

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	1
		ILLINOIS	CONTRACT NO. 78A16	

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-13
FOR STRUCTURAL PAVEMENT DESIGN
INFORMATION, SEE SHEET NO. 14

TRAFFIC DATA

IL 13 (EAST OF WILLIAMS ST) - 13,900 WITH 7.2% TRUCKS (2021 ADT)
IL 13 (WEST OF WILLIAMS ST) - 15,200 WITH 5.8% TRUCKS (2021 ADT)
WILLIAMS ST (NORTH OF IL 13) - 800 WITH 13.8% TRUCKS (2022 ADT)
WILLIAMS ST (SOUTH OF IL 13) - 2,100 WITH 10.5% TRUCKS (2022 ADT)

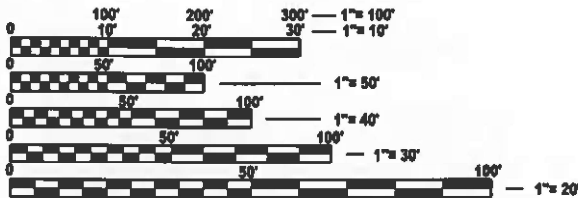
TOWNSHIPS

MURPHYSBORO

DESIGN DESIGNATION : 1965(23) OTHER PRINCIPAL ARTERIAL 5.02 (PCC-20)

COORDINATE SYSTEM : EPSG: 102671
NAD 1983 StatePlane Illinois East
FIPS 1201 Feet

POSTED SPEED : 40 MPH (IL 13) & 30 MPH (WILLIAMS ST)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: SEAN GREENLEE
PROJECT DESIGNER: JARED HARP

CONTRACT NO. 78A16

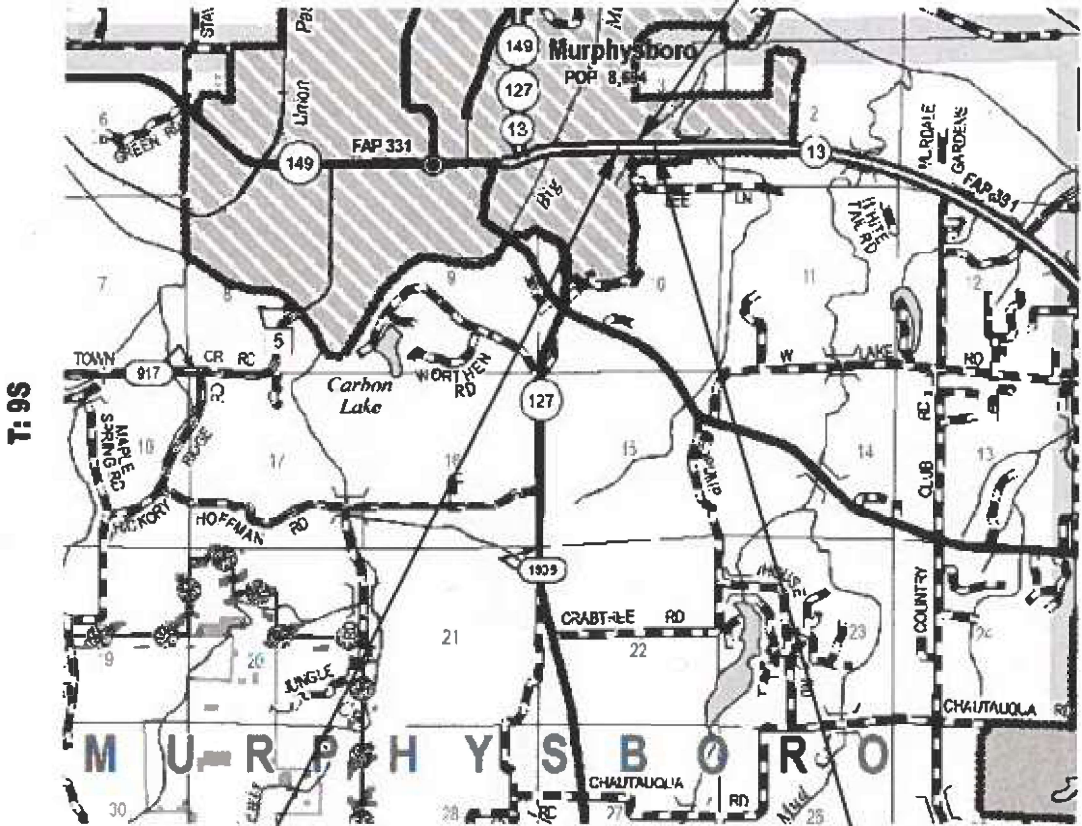
PROPOSED
HIGHWAY PLANS

FAP ROUTE 331 (IL 13)
SECTION (12-1)TS-2
PROJECT HSIP-5LZW(198)
INTERSECTION IMPROVEMENT
JACKSON COUNTY

C-99-068-23

PROJECT LOCATION
INTERSECTION OF IL 13
AND WILLIAMS ST

R: 2W



T: 9S



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 7 20 24
Kirk H. Brown
REGION FIVE ENGINEER

October 4, 2024
S. A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT
October 4, 2024
Germar, Jr.
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROPOSED PROJECT ENDS
STA. 331+39.01 (IL 13TIRTL)

GROSS LENGTH = 1352.58 FT. = 0.256 MILES
NET LENGTH = 1352.58 FT. = 0.256 MILES

PROPOSED PROJECT BEGINS
STA. 317+86.44 (IL 13TIRTL)

Prepared By: Susan R...
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Car Nicks
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Z. C.
DISTRICT OPERATIONS ENGINEER

Examined By: Dan J. Melink
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: B. Smith
DISTRICT CONSTRUCTION ENGINEER

Examined By: Aan Hays
DISTRICT MATERIALS ENGINEER

USER NAME = Jared.Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 8/2/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SIGNATURE SHEET					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					331	(12-1)TS-2	JACKSON	80	2
					CONTRACT NO. 78A16				
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.				
					ILLINOIS FED. AID PROJECT				

MODEL: Index_GenNote_Stand_1 [Sheet]
FILE NAME: pwr://ldot-pw.bentley.com:PW/IDOT/7/Documents/IDOT_Offices/District 9/ORD Projects/78A16/CADDData/CADsheets/D9_78A16-ShiB-Index_GenNotes.dgn

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

ALL AGGREGATE	2.05 TONS/CU. YD.
EARTH	110 LBS/CU. FT.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

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.

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.

CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

THE PROPOSED LIGHT POLE FOUNDATION SHALL BE FLUSH WITH FINAL SURFACE.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

COMMITMENTS: NONE

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COMMITMENTS: NONE

000001-08 SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02 AREAS OF REINFORCEMENT BARS
001006 DECIMAL OF AN INCH AND OF A FOOT
280001-07 TEMPORARY EROSION CONTROL SYSTEMS
420001-10 PAVEMENT JOINTS
420101-07 24 FT JOINTED PCC PAVEMENT
424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424031-02 MEDIAN PEDESTRIAN CROSSINGS
483001-06 PCC SHOULDER
542401-04 METAL FLARED END SECTION FOR PIPE CULVERTS
602301-04 INLET-TYPE A
602306-03 INLET-TYPE B
602406-11 PRECAST MANHOLE TYPE A 6 FT DIAMETER
602601-06 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02 MANHOLE STEPS
604061-03 FRAME & GRATE TYPE 12
604101-01 MEDIAN INLET FOR 24 IN REINFORCED CONCRETE PIPE
606001-08 CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
606301-04 PC CONCRETE ISLANDS & MEDIANS
701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15 FT TO 24 IN FROM PAVEMENT EDGE
701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15 FT AWAY
701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS 40 MPH OR LESS
701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-09 TRAFFIC CONTROL DEVICES
720001-01 SIGN PANEL MOUNTING DETAILS
720006-04 SIGN PANEL ERECTION DETAILS
720016-04 MAST ARM MOUNTED STREET NAME SIGNS
780001-05 TYPICAL PAVEMENT MARKINGS
805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03 HANDHOLES
821101-02 LUMINAIRE WIRING IN POLE
825011-04 LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
830006-05 LIGHT POLE ALUMINUM DAVIT ARM
836001-04 LIGHT POLE FOUNDATION
838001-01 BREAKAWAY DEVICES
857001-01 STANDARD PHASE DESIGNATION DIAGRAMS & PHASE SEQUENCES
862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
876001-04 PEDESTRIAN PUSH BUTTON POST
877001-08 STEEL MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
877002-04 STEEL MAST ARM ASSEMBLY & POLE 56' THROUGH 75'
877012-07 STEEL COMB, MAST ARM ASSEMBLY & POLE 56' THROUGH 75'
878001-11 CONCRETE FOUNDATION DETAILS
880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

	USER NAME = Jared_Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	3
	PLOT SCALE = 0.16666633" / lin.	CHECKED -	REVISED -		CONTRACT NO. 78A16								
	PLOT DATE = 8/6/2024	DATE -	REVISED -										
	SCALE:		SHEET 3		OF 80 SHEETS	STA.	TO STA.						

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON
				ROUTE:	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE
				LOCATION:	URBAN
					ROADWAY
					0004
					TRAFFIC SIGNALS
					0021
20200100	EARTH EXCAVATION	CU YD	1,550		1,550
20800150	TRENCH BACKFILL	CU YD	112		112
25000115	SEEDING, CLASS 1B	ACRE	0.7		0.7
25000350	SEEDING, CLASS 7	ACRE	0.7		0.7
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	63		63
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	63		63
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	63		63
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.4		1.4
25100115	MULCH, METHOD 2	ACRE	0.7		0.7
25100630	EROSION CONTROL BLANKET	SQ YD	275		275
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	70		70
28000305	TEMPORARY DITCH CHECKS	FOOT	90		90

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	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	4
	PLOT DATE = 8/14/2024	CHECKED -	REVISED -		SCALE: SHEET 4 OF 80 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -					CONTRACT NO. 78A16				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON
				ROUTE:	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE
				LOCATION:	URBAN
					ROADWAY
					0004
					TRAFFIC SIGNALS
					0021
28000400	PERIMETER EROSION BARRIER	FOOT	380		380
28000500	INLET AND PIPE PROTECTION	EACH	7		7
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	3,599		3,599
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	2,582		2,582
42001300	PROTECTIVE COAT	SQ YD	3,361		3,361
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,337		1,337
42400800	DETECTABLE WARNINGS	SQ FT	144.2		144.2
44000100	PAVEMENT REMOVAL	SQ YD	1,337		1,337
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,079		1,079
44213204	TIE BARS 3/4"	EACH	572		572
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	562		562
50105220	PIPE CULVERT REMOVAL	FOOT	5		5

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	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / In.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	5
	PLOT DATE = 8/14/2024	CHECKED -	REVISED -		SCALE: SHEET 5 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON	JACKSON
				ROUTE:	FAP 331 / FAU 9678	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% LOCAL
				LOCATION:	URBAN	URBAN
					ROADWAY	TRAFFIC SIGNALS
					0004	0021
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	30		30	
54248510	CONCRETE COLLAR	CU YD	0.88		0.88	
54262712	METAL FLARED END SECTIONS 12"	EACH	4		4	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	775		775	
60224066	MANHOLES, TYPE A, 6'-DIAMETER, WITH MEDIAN INLET (604101)	EACH	1		1	
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	1		1	
60240315	INLETS, TYPE B, TYPE 12 FRAME AND GRATE	EACH	1		1	
60240361	INLETS, TYPE B, WITH MEDIAN INLET (604101)	EACH	1		1	
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	422		422	
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	471		471	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	29		29	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	59		59	

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SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON	JACKSON
				ROUTE:	FAP 331 / FAU 9678	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% LOCAL
				LOCATION:	URBAN	URBAN
					ROADWAY	TRAFFIC SIGNALS
					0004	0021
60615300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2,434		2,434	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	117		117	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3		3	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3		3	
67100100	MOBILIZATION	L SUM	1		0.5	0.5
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	3		3	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56		56	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	288		288	

* SPECIALTY ITEM

REV - MS

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	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633 / in.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	7
	PLOT DATE = 8/14/2024	CHECKED -	REVISED -		SCALE: SHEET 7 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON	JACKSON
				ROUTE:	FAP 331 / FAU 9678	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% LOCAL
				LOCATION:	URBAN	URBAN
					ROADWAY	TRAFFIC SIGNALS
					0004	0021
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	96		96	
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	218		218	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	3,962		3,962	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	366		366	
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	792		792	
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	132		132	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	57		57	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	218		218	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3,962		3,962	
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	366		366	
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	792		792	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	132		132	

* SPECIALTY ITEM

MODEL: SQO_5 [Sheet]
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	USER NAME = Jared.Harp		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -						331	(12-1)TS-2	JACKSON	80	8
	PLOT SCALE = 0.16666633" / In.		DATE -	REVISED -		SCALE: SHEET 8 OF 80 SHEETS STA. TO STA.				CONTRACT NO. 78A16				
	PLOT DATE = 8/14/2024									ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON	JACKSON
				ROUTE:	FAP 331 / FAU 9678	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% LOCAL
				LOCATION:	URBAN	URBAN
					ROADWAY	TRAFFIC SIGNALS
					0004	0021
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	218		218	
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	3,962		3,962	
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	366		366	
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	792		792	
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	132		132	
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3,271		3,271	
80300100	LOCATING UNDERGROUND CABLE	FOOT	100			100
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2			2
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1			1
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1			1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	53			53
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	903			903

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON
				ROUTE:	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE
				LOCATION:	URBAN
					ROADWAY
					0004
					TRAFFIC SIGNALS
					0021
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	485		485
81400100	HANDHOLE	EACH	6		6
81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3,095		3,095
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	100		100
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	200		200
82110009	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	17		17
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1		1
83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	16		16
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	16		16
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	64		64
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	11		11
84200804	REMOVAL OF POLE FOUNDATION	EACH	11		11

* SPECIALTY ITEM

MODEL: S00_7 [Sheet]
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	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	10
	PLOT DATE = 8/14/2024	CHECKED -	REVISED -		SCALE: SHEET 10 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON
				ROUTE:	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE
				LOCATION:	URBAN
					ROADWAY
					0004
					TRAFFIC SIGNALS
					0021
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1		1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1		1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1		1
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1		1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1		1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,675		3,675
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	8,130		8,130
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,400		1,400
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,075		1,075
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2		2
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1		1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1

* SPECIALTY ITEM

MODEL: S00_8 [Sheet]
FILE NAME: p:\projects\78A16\CAD\Drawings\DOT Office\Sheet\9678 Project\78A16\CAD\Drawings\DOTA15-SHS-Q.dgn

	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / In.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	11
	PLOT DATE = 8/14/2024	CHECKED -	REVISED -		SCALE: SHEET 11 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON
				ROUTE:	FAP 331 / FAU 9678
				FUNDING:	90% FEDERAL 10% STATE
				LOCATION:	URBAN
					ROADWAY
					0004
					TRAFFIC SIGNALS
					0021
87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	1		1
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1		1
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1
87700430	STEEL MAST ARM ASSEMBLY AND POLE, 75 FT.	EACH	1		1
87703120	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 75 FT.	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5		3.5
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	25		25
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	60		60
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		8
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5		5
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2		2

* SPECIALTY ITEM

MODEL: SQO_9 [Sheet]
FILE NAME: p:\projects\78A16\CADData\CADsheets\DS78A16-SHS-SQO.dgn

	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / In.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	12
	PLOT DATE = 8/14/2024	CHECKED -	REVISED -		SCALE: SHEET 12 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

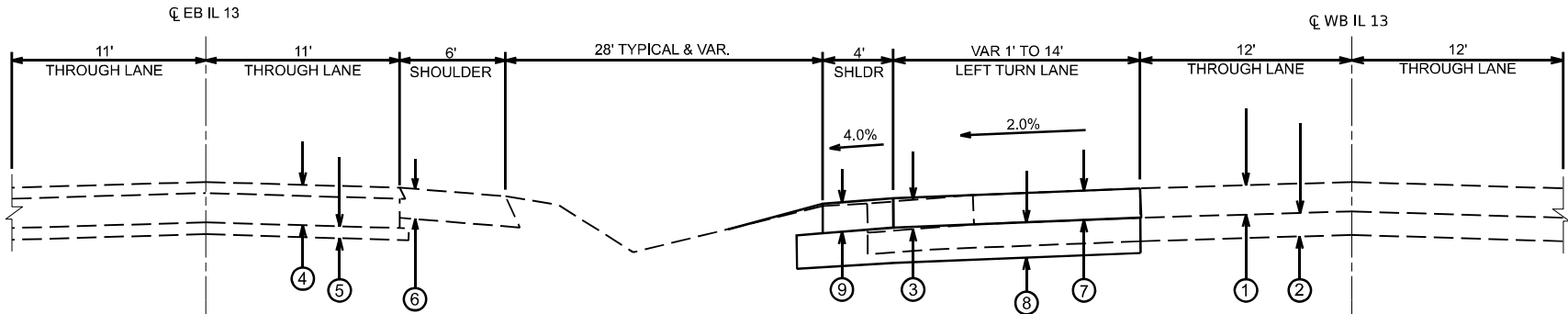
SUMMARY OF QUANTITIES - CONT

SUMMARY OF QUANTITIES - CONT			COUNTY:	JACKSON	JACKSON
			ROUTE:	FAP 331 / FAU 9678	FAP 331 / FAU 9678
			FUNDING:	90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 5% LOCAL
			LOCATION:	URBAN	URBAN
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS
				0004	0021
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2		2
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	17		17
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
X1400267	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	4		4
X4402805	ISLAND REMOVAL	SQ FT	399	399	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8		8
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1		1

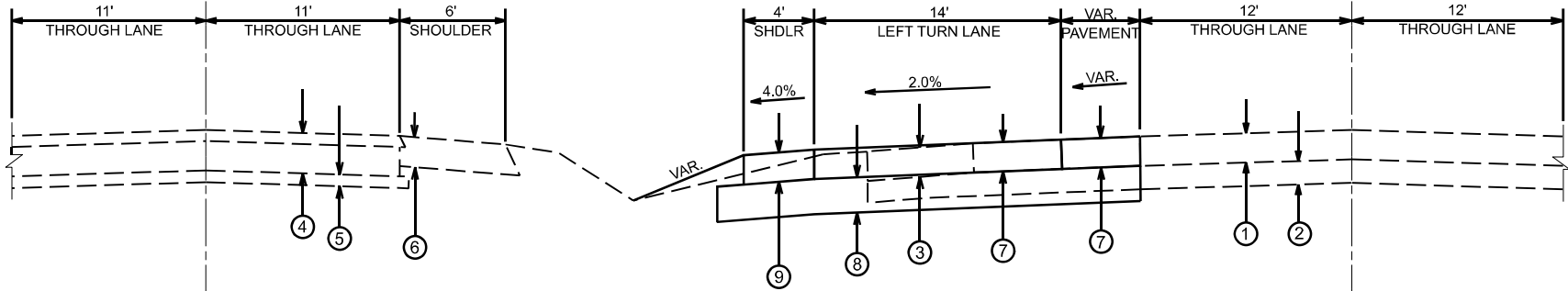
* SPECIALTY ITEM

REV - MS

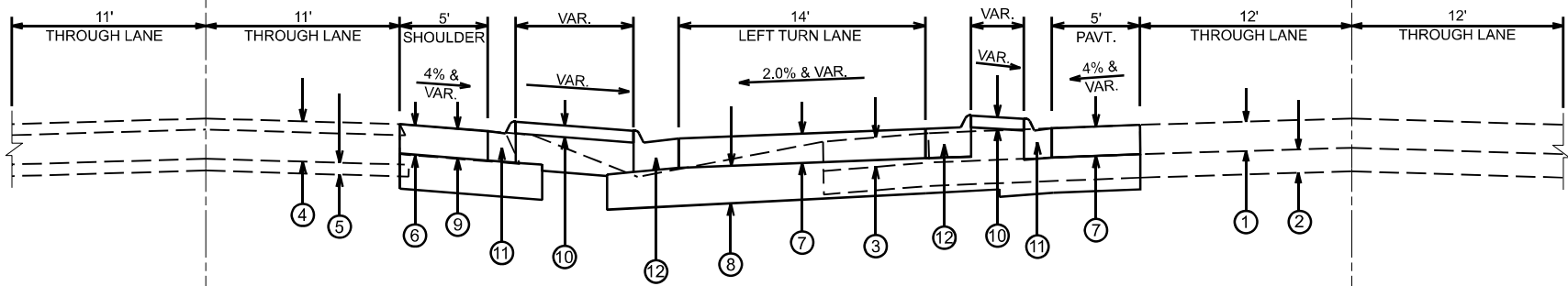
FILE NAME: PWD\JHARP	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -							331	(12-1)TS-2	JACKSON	80	13	
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -												
	PLOT DATE = 8/14/2024	DATE -	REVISED -												
					SCALE:	SHEET 13	OF 80	SHEETS	STA.	TO STA.					
					CONTRACT NO. 78A16										
				ILLINOIS FED. AID PROJECT											



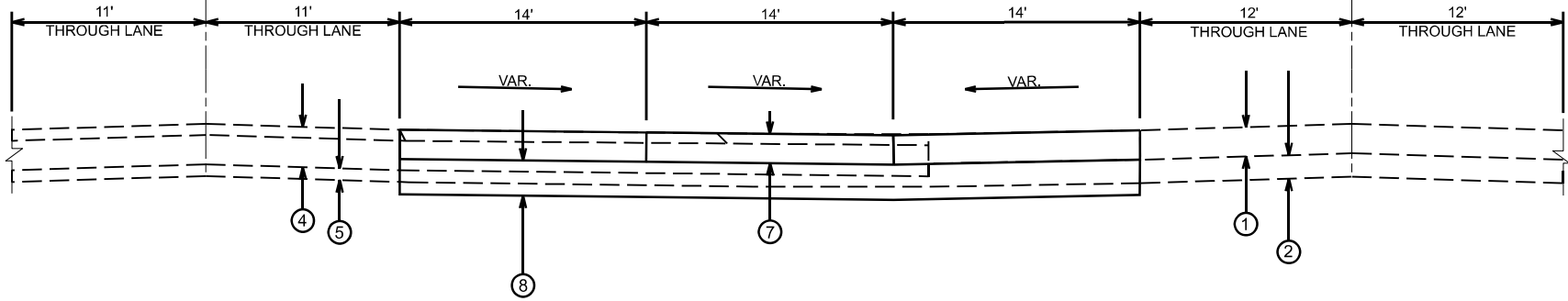
STA. 317+86 TO STA. 320+50 - IL 13 WB (IL13TIRTL)



STA. 320+50 TO STA. 322+81- IL 13 WB (IL13TIRTL)



STA. 322+81 TO 324+08 - IL 13 WB (IL13TIRTL)



STA. 324+08 TO 325+17 - IL 13 WB (IL13TIRTL)

LEGEND

- ① EXISTING P.C.C PAVEMENT, 10" JOINTED
- ② EXISTING SUB-BASE GRANULAR MATERIAL 8" (APPROX)
- ③ EXISTING P.C.C. SHOULDER 10"
- ④ EXISTING CRCP PAVEMENT WITH BITUMINOUS OVERLAY, 13 3/4" (APPROX)
- ⑤ EXISTING SUB-BASE GRANULAR MATERIAL, 4" (APPROX)
- ⑤A EXISTING CRCP PAVEMENT WITH BITUMINOUS OVERLAY, 10 1/4" (APPROX)
- ⑥ EXISTING HMA SHOULDER, 8"
- ⑥A EXISTING HMA SHOULDER WITH STABILIZED SUB-BASE (BAM), 10" (APPROX)
- ⑦ PROPOSED P.C.C PAVEMENT, 10" JOINTED
- ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- ⑨ PROPOSED P.C.C. SHOULDER, 10"
- ⑩ PROPOSED CONCRETE MEDIAN, 4"
- ⑪ PROPOSED COMBINATION CURB AND GUTTER, M-4.12
- ⑫ PROPOSED COMBINATION CURB AND GUTTER, M-4.24

* THE HATCHING FOR PAVEMENT REMOVAL AND SHOULDER REMOVAL HAVE BEEN OMITTED FOR CLARITY. SEE REMOVAL SHEETS FOR MORE INFORMATION.

STRUCTURAL DESIGN TRAFFIC: Year 2033

PV = 16125 SU = 470 MU = 305

ROAD/STREET CLASSIFICATION: Class I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 32% S = 45% M = 45%

TRAFFIC FACTOR: Actual TF = 2.535 AC Type =

Minimum TF = 5.024

PG GRADE: Binder = Surface =

SUBGRADE SUPPORT RATING:

SSR = POOR (Sta. 317+86.44 to 331+39.01) IL13TIRTL

SSR = POOR (Sta. 317+68.83 to 331+21.41) A_IL13

MODEL: Typical Sections_1 (Sheet)
FILE NAME: p:\projects\78A16\CADD\Drawings\DOT\Office\Drawings\DOT\Drawings\78A16\Sheet1.dgn

USER NAME = Jared.Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/2/2024	DATE -	REVISED -

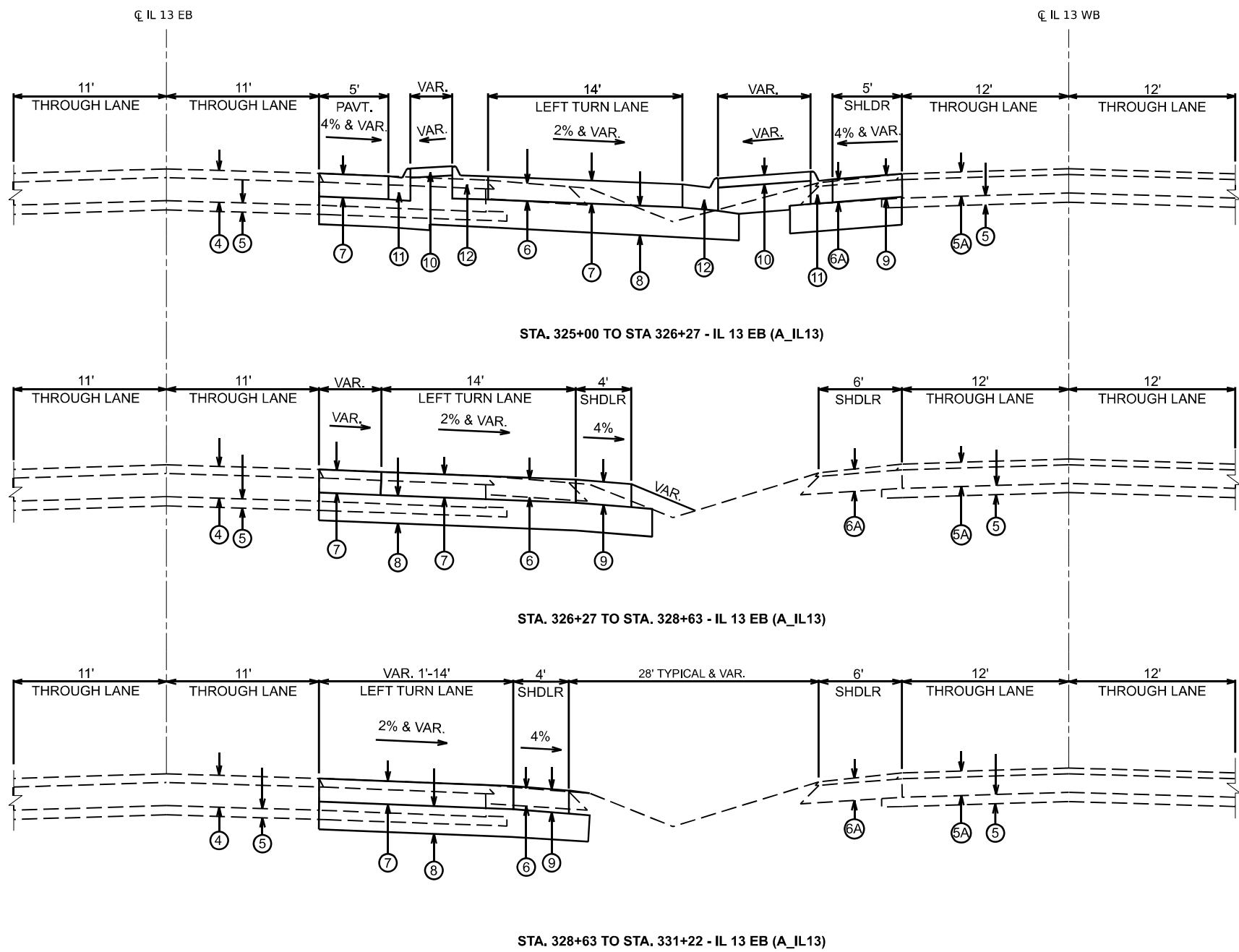
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET 14 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	14
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

Model: Typical_Section_2 (Sheet)
File Name: p:\projects\78A16\CAD\Drawings\DOT Office\Drawings\78A16\Sheet15.dwg
Project: 78A16(CAD)Data\CAD\Drawings\78A16\Sheet15.dwg



- LEGEND
- ① EXISTING P.C.C. PAVEMENT, 10" JOINTED
 - ② EXISTING SUB-BASE GRANULAR MATERIAL, 8" (APPROX)
 - ③ EXISTING P.C.C. SHOULDER 10"
 - ④ EXISTING CRCP PAVEMENT WITH BITUMINOUS OVERLAY, 13 3/4" (APPROX)
 - ⑤ EXISTING SUB-BASE GRANULAR MATERIAL, 4" (APPROX)
 - ⑤A EXISTING CRCP PAVEMENT WITH BITUMINOUS OVERLAY, 10 1/4"
 - ⑥ EXISTING HMA SHOULDER, 8"
 - ⑥A EXISTING HMA SHOULDER WITH STABILIZED SUB-BASE (BAM), 10" (APPROX)
 - ⑦ PROPOSED P.C.C. PAVEMENT, 10" JOINTED
 - ⑧ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
 - ⑨ PROPOSED P.C.C. SHOULDER, 10"
 - ⑩ PROPOSED CONCRETE MEDIAN, 4"
 - ⑪ PROPOSED COMBINATION CURB AND GUTTER, M-4.12
 - ⑫ PROPOSED COMBINATION CURB AND GUTTER, M-4.24

* THE HATCHING FOR PAVEMENT REMOVAL AND SHOULDER REMOVAL HAVE BEEN OMITTED FOR CLARITY. SEE REMOVAL SHEETS FOR MORE INFORMATION.

USER NAME = Jared.Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/2/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET 15 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	15
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

LOCATION STATION TO STATION			EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTGAGE (-)	COMMENTS
			CU YD	%	CU YD	CU YD	CU YD	
IL 13								
317+38	TO	324+02	600	25%	450	80	(+) 370	STAGE 1B - (A_IL13 STATIONING)
324+02		324+86	220	25%	165	20	(+) 145	STAGE 2 - (A_IL13 STATIONING)
324+86		333+60	720	25%	540	60	(+) 480	STAGE 1A - (A_IL13 STATIONING)
PROPOSED SIDEWALK								
0+00	TO	1+85	10	25%	8	35	(-) 27	STAGE 3 - (PRSIDEWALK STATIONING)
TOTALS			1550					

REMOVAL SCHEDULE

LOCATION STATION TO STATION (ALL STATIONING BASED ON A_IL13)			PAVEMENT WIDTH	PAVEMENT LENGTH	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	ISLAND REMOVAL	PIPE CULVERT REMOVAL	COMMENTS
			FOR INFO. ONLY						
			FOOT	FOOT	SQ YD	SQ YD	SQ FT	FOOT	
IL 13									
317+62 (31' RT)			N/A					5	PIPE CULVERT REMOVAL TO ADD MAN HOLE AND MEDIAN INLET
317+68 (50' RT)	TO	322+63 (15' RT)	6' AND VAR.	495' AND VAR.		527			PAVED SHOULDER REMOVAL OF THE EAST MEDIAN SHOULDER
319+51 (53' RT)		323+82 (41' RT)	VARIES 1' TO 12	431' AND VAR.	441				EXISTING WB LEFT TURN LANE
323+82 (VAR. RT)		325+06 (VAR. RT)	42' AND VAR.	124' AND VAR.	497				EXISTING MEDIAN PAVEMENT
325+06 (23' RT)	TO	329+08 (11' RT)	VARIES 1' TO 12	402' AND VAR.	399				EXISTING EB LEFT TURN LANE
326+27 (50' RT)	TO	331+21 (15' RT)	6' AND VAR.	494' AND VAR.		552			PAVED SHOULDER REMOVAL OF THE WEST MEDIAN SHOULDER
325+00 (20' LT)	TO	325+25 (20' LT)	VARIES	VARIES			399		ISLAND REMOVAL
TOTALS					1337	1079	399	5	

MODEL: Schedule_01 [Sheet]
FILE NAME: p:\projects\78A16\CADData\CADsheets\0378A16-Sht-Schedule.dgn

	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	16
	PLOT DATE = 8/6/2024	CHECKED -	REVISED -		SCALE: SHEET 16 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

DRAINAGE SCHEDULE

LOCATION STATION TO STATION			INLETS, TYPE A, TYPE 12 FRAME AND GRATE	INLETS, TYPE B, TYPE 12 FRAME AND GRATE	INLETS, TYPE B, WITH MEDIAN INLET (604101)	MANHOLES, TYPE A, 6' DIAMETER, WITH MEDIAN INLET (604101)	METAL FLARED END SECTIONS 12"	STORM SEWER CLASS A, TYPE I 15"	PIPE CULVERTS CLASS D, TYPE I 12"	CONCRETE COLLAR	TRENCH BACKFILL	COMMENTS
			EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	CU YD	CU YD	
IL 13												
325+37 (42.3' RT)			1									A_IL 13 STATIOING
325+37 (42.3' RT)	TO	323+08 (24.1' RT)						229			70	A_IL 13 STATIOING
323+08 (24.1' RT)				1								A_IL 13 STATIOING
323+08 (24.1' RT)	TO	320+36 (28.0' RT)						272			42	A_IL 13 STATIOING
320+36 (28.0' RT)					1							A_IL 13 STATIOING
320+36 (28.0' RT)	TO	317+62 (31.1' RT)						274				A_IL 13 STATIOING
317+62 (31.1' RT)						1				0.88		A_IL 13 STATIOING
PROPOSED SIDEWALK												
0+19 (5.5' LT)							1					PRSIDEWALK STATIONING
0+19 (5.5' LT)	TO	0+19.5 (10.5' RT)							16			PRSIDEWALK STATIONING
0+19 (10.5' RT)							1					PRSIDEWALK STATIONING
1+69 (8.7' RT)							1					PRSIDEWALK STATIONING
1+69 (8.7' RT)	TO	1+77 (3.3' LT)							14			PRSIDEWALK STATIONING
1+77 (3.3' LT)							1					PRSIDEWALK STATIONING
TOTALS			1	1	1	1	4	775	30	0.88	112	

PAVEMENT AND SHOULDER SCHEDULE

LOCATION STATION TO STATION			PAVEMENT WIDTH	PAVEMENT LENGTH	SUBBASE GRANULAR MATERIAL, TYPE A 12"	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	PORTLAND CEMENT CONCRETE SHOULDERS 10"	TIE BARS 3/4"	PROTECTIVE COAT	COMMENTS
			FOR INFO. ONLY							
			FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	SQ YD	
IL 13 WESTBOUND LEFT TURN LANE										
317+86	TO	326+45	N/A	859				286		TIE BARS FOR THE NEW PAVEMENT TO EXISTING PAVEMENT
317+86	TO	324+08	VARIES 1' TO 26'	622	805	805			805	LEFT TURN LANE AND ADJACENT PAVEMENT (IL13TIRTL STATIONING)
317+86	TO	322+81	4' AND VARIES	495	249		221		221	MEDIAN SHOULDER (IL13TIRTL STATIONING)
320+50	TO	324+08	5' AND VARIES	358	223	223			223	HATCHED AREA NEXT TO LEFT TURN LANE (IL13TIRTL STATIONING)
325+37	TO	326+45	5	108	60		60		60	SHOULDER BETWEEN WESTBOUND IL 13 AND CURB AND GUTTER (IL 13 TIRTL STATIONING)
IL 13 MEDIAN PAVEMENT										
324+08	TO	325+17	42' & VARIES	109	512	512			512	MEDIAN PAVEMENT BETWEEN IL 13 EB AND WB (IL13TIRTL)
IL 13 EASTBOUND LEFT TURN LANE										
331+22	TO	322+63	N/A	859				286		TIE BARS FOR THE NEW PAVEMENT TO EXISTING PAVEMENT
331+22	TO	325+00	VARIES 1' TO 26'	622	815	815			815	LEFT TURN LANE AND ADJACENT PAVEMENT (A_IL13 STATIONING)
331+22	TO	326+27	4' AND VARIES	495	248		220		220	MEDIAN SHOULDER (A_IL13 STATIONING)
328+63	TO	325+00	5' AND VARIES	363	226	226			226	HATCHED AREA NEXT TO LEFT TURN LANE (A_IL13 STATIONING)
323+71	TO	322+63	5	108	60		60		60	SHOULDER BETWEEN EASTBOUND IL 13 AND CURB AND GUTTER (A_IL13 STATIONING)
TOTALS					3199	2582	562	572	3144	

MODEL: Schedule_2 (Sheet)
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USER NAME = Jared.Harp		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SCHEDULES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							331	(12-1)TS-2	JACKSON	80	17
PLOT SCALE = 0.16666633' / in.		CHECKED -	REVISED -							CONTRACT NO. 78A16				
PLOT DATE = 8/2/2024		DATE -	REVISED -			SCALE:	SHEET 17	OF 80	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

CURB AND GUTTER SCHEDULE

LOCATION STATION TO STATION			COMBINA TION CONCRETE CURB AND GUTTER, TYPE M-4.12	COMBINA TION CONCRETE CURB AND GUTTER, TYPE M-4.24	COMBINA TION CONCRETE CURB AND GUTTER, TYPE M-6.06	COMBINA TION CONCRETE CURB AND GUTTER, TYPE M-6.24	CONCRETE MEDIAN SURFACE, 4 INCH	SUBBASE GRANULAR MATERIAL, TYPE A 12"	PROTECTIVE COAT	COMMENTS
			FOOT	FOOT	FOOT	FOOT	SQ FT	SQ YD	SQ YD	
WESTBOUND IL 13 LEFT TURN LANE MEDIAN ISLANDS										
322+63.47 (22' RT)	TO	323+70.90 (19' RT)	106	124			555	86	51	SOUTH MEDIAN ISLAND (A_IL13 STATIONING)
322+76.40 (45' RT)	TO	323+90.69 (42' LT)	104	110			589	93	47	NORTH MEDIAN ISLAND (A_IL13 STATIONING)
EASTBOUND IL 13 LEFT TURN LANE MEDIAN ISLANDS										
324+99.83 (22' RT)	TO	326+15.65 (19' RT)	108	126			545	94	52	SOUTH MEDIAN ISLAND (A_IL13 STATIONING)
325+19.44 (45' RT)	TO	326+27.62 (42' RT)	104	111			559	86	47	NORTH MEDIAN ISLAND (A_IL13 STATIONING)
SOUTH WILLIAMS STREET AND IL 13 CORNER ISLAND										
324+94.54 (17' LT)	TO	325+31.05 (17' LT)			29	59	186	41	20	CORNER ISLAND (A_IL13 STATIONING)
TOTALS			422	471	29	59	2434	400	217	

SIDEWALK SCHEDULE

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	COMMENTS
	SQFT	SQFT	
SOUTH LEG OF IL 13 AND WILLIAMS STREET INTERSECTION			
STATION 324+39.46 (29.00' LT) TO STATION 324+54.90 (39.00' LT)	103	28.2	SIDEWALK STUB (SOUTH EAST QUADRANT, A_IL 13 STATIONING)
STATION 325+04.18 (28.39' LT) TO STATION 325+23.12 (32.37' LT)	213	52	SIDEWALK RAMPS IN IL 13 / WILLIAMS ST SOUTH CORNER ISLAND (A_IL13 STATIONING)
STATION 325+13.33 (17.58' RT TO 25.13' RT)	46	24	SIDEWALK CUT THROUGH IN IL 13 MEDIAN ISLAND (A_IL13 STATIONING)
STATION 325+50.30 (60.29' LT) TO STATION 325+59.65 (54.15' LT)	57	20	SIDEWALK STUB (SOUTH WEST QUADRANT, A_IL13 STATIONING)
NORTH LEG OF IL 13 AND WILLIAMS STREET INTERSECTION			
STATION 0+00 TO STATION 1+85.02	918	20	PROPOSED SIDEWALK (NORTH WEST QUADRANT, PRSIDEWALK STATIONING)
TOTALS	1337	144.2	

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION STATION TO STATION			SEEDING CLASS 1B	SEEDING CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	EROSION CONTROL BLANKET	TEMP. DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROT.	TEMP. EROSION CONTROL SEEDING	COMMENTS
			ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	SQ YD	FOOT	FOOT	EACH	POUND	
IL 13 MEDIAN															
317+34 (RT)	TO	322+64 (RT)	0.3	0.3	27	27	27	0.6	0.3	115	50			30	(A_IL 13 STATIONING)
317+62 (31.1' RT)													1		MEDIAN INLET (A_IL 13 STATIONING)
320+36 (28.0' RT)													1		MEDIAN INLET (A_IL 13 STATIONING)
326+27 (RT)	TO	333+60 (RT)	0.3	0.3	27	27	27	0.6	0.3	160	40			30	(A_IL 13 STATIONING)
333+24 (26.0' RT)													1		MEDIAN INLET (A_IL 13 STATIONING)
PROPOSED SIDEWALK															
0+00 (LT & RT)	TO	1+85 (LT & RT)	0.1	0.1	9	9	9	0.2	0.1			380		10	(PRSIDEWALK STATIONING)
0+19.04 (5.5' LT)													1		END SECTION (PRSIDEWALK STATIONING)
0+19.50 (10.5' RT)													1		END SECTION (PRSIDEWALK STATIONING)
1+69 (8.7' RT)													1		END SECTION (PRSIDEWALK STATIONING)
1+77 (3.3' LT)													1		END SECTION (PRSIDEWALK STATIONING)
TOTALS			0.7	0.7	63.0	63.0	63.0	1.4	0.7	275	90	380	7	70	

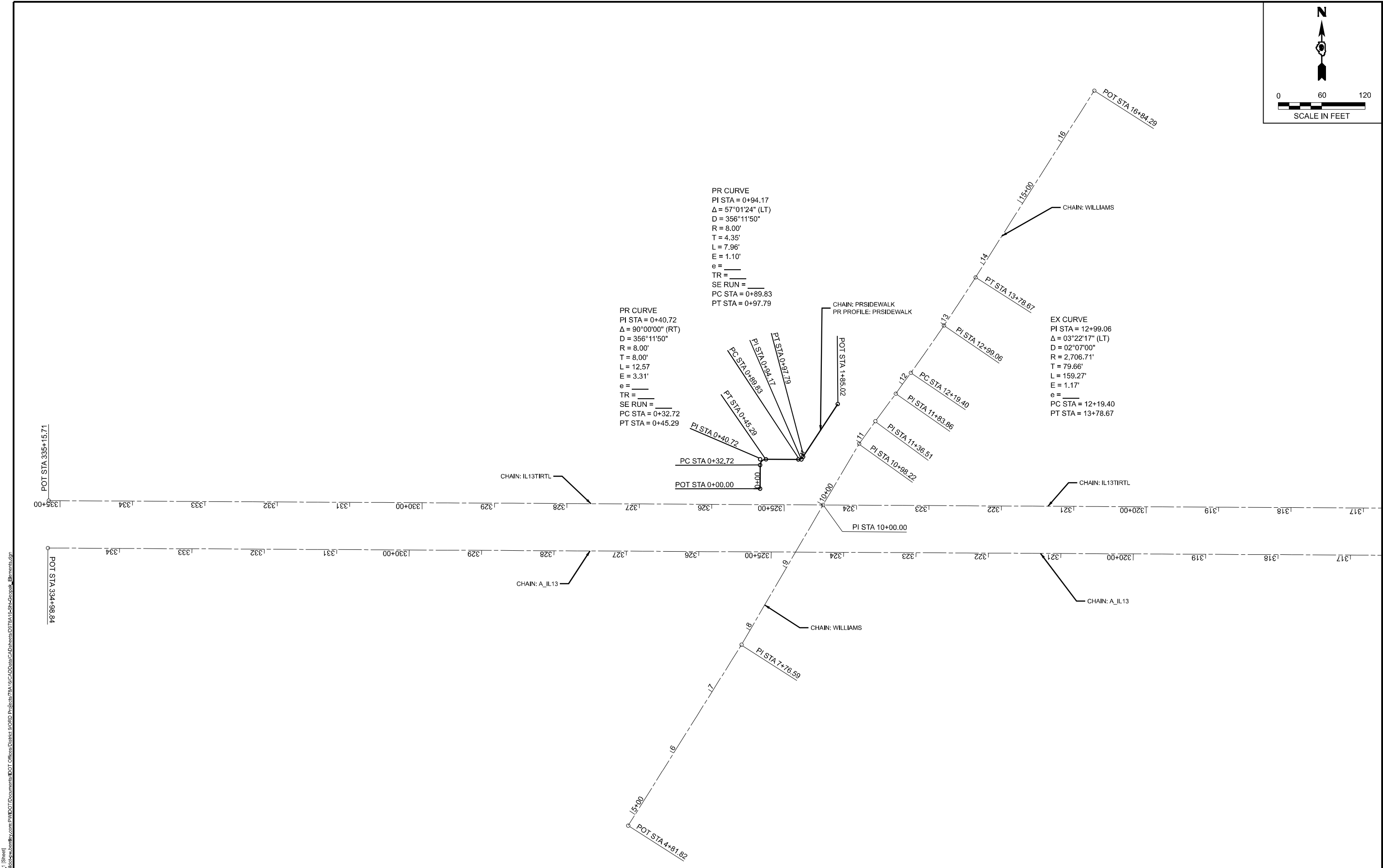
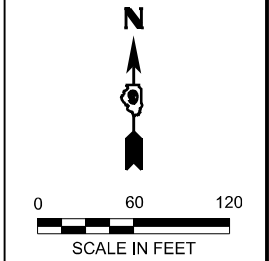
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PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION			MODIFIED URETHANE PAVEMENT MARKING					GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GROOVING FOR RECESSED PAVEMENT MARKING 25"	GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS	COMMENTS	
			LINE 4"		LINE 6"	LINE 12"	LINE 24"							LETTERS AND SYMBOLS
			YELLOW	WHITE	WHITE	WHITE	WHITE							WHITE
			FOOT	FOOT	FOOT	FOOT	FOOT	SQFT	FOOT	FOOT	FOOT	FOOT	SQFT	
IL 13 WESTBOUND LEFT TURN LANE (IL13TIRTL STATIONING)														
317+86.44 (13.2' LT)	TO	323+88.51 (42.4' LT)	603						603					LEFT EDGE OF LEFT TURN LANE
317+86.44 (12.0' LT)	TO	324+08.30 (12.0' LT)		622					622					LEFT EDGE OF WB IL 13
320+50.55 (12.0' LT)	TO	324+08.30 (29.4' LT)		358					358					RIGHT EDGE OF LEFT TURN LANE
320+50.55 (12.0' LT)	TO	324+08.30 (12.0' LT)				115				115				MEDIAN HATCHING
322+81.04 (54.2' LT)	TO	323+88.50 (54.2' LT)	108						108					LEFT EDGE OF EB IL 13
320+76.52 (19.5' LT)								20.8				20.8		"ONLY"
321+02.59 (21.0' LT)								15.6				15.6		LEFT ARROW
321+98.05 (25.2' LT)								20.8				20.8		"ONLY"
322+24.13 (26.8' LT)								15.6				15.6		LEFT ARROW
323+32.88 (31.6' LT)								20.8				20.8		"ONLY"
323+58.95 (33.1' LT)								15.6				15.6		LEFT ARROW
323+87.85 (35.3' LT)							14				14			STOP BAR ON LEFT TURN LANE
324+08.71 (0.0' LT)							24				24			STOP BAR ON WB IL 13
IL 13 EASTBOUND LEFT TURN LANE (A_IL13 STATIONING)														
331+21.41 (12.6' RT)	TO	325+19.44 (41.4' RT)	603						603					LEFT EDGE OF LEFT TURN LANE
331+21.41 (11.0' RT)	TO	324+99.83 (11.0' RT)		622					622					LEFT EDGE OF EB IL 13
328+62.62 (11.0' RT)	TO	324+99.83 (28.4' RT)		363					363					RIGHT EDGE OF LEFT TURN LANE
328+62.62 (11.0' RT)	TO	324+99.83 (11.0' RT)				115				115				MEDIAN HATCHING
326+27.62 (53.3' RT)	TO	325+19.44 (53.3' RT)	108						108					LEFT EDGE OF WB IL 13
328+24.45 (19.6' RT)								20.8				20.8		"ONLY"
327+98.37 (21.1' RT)								15.6				15.6		LEFT ARROW
327+02.91 (25.3' RT)								20.8				20.8		"ONLY"
326+76.84 (26.8' RT)								15.6				15.6		LEFT ARROW
325+69.18 (31.4' RT)								20.8				20.8		"ONLY"
325+43.20 (33.0' RT)								15.6				15.6		LEFT ARROW
325+23.07 (0.0' RT)							22				22			STOP BAR ON EB IL 13
325+21.50 (34.3' RT)							14				14			STOP BAR ON LEFT TURN LANE
325+13.32 (17.0' LT TO 16.0' RT)					66	54			66	54				CROSSWALK ACROSS EB AND WB IL 13
325+13.32 (27.7' RT TO 87.2' RT)					120	102			120	102				CROSSWALK ACROSS EB AND WB IL 13
WILLIAMS STREET (WILLIAMS STATIONING)														
7+33.55 (10.6' LT)	TO	8+41.39 (97.0' LT)		350		78			350		78			RIGHT TURN LANE EDGE LINES AND HATCHING
8+49.50 (12.0' LT)	TO	9+04.95 (12.0' LT)		217		78			217		78			EDGE LINES AND HATCHING AROUND THE MEDIAN ISLAND
8+35.00 (48.8' LT)	TO	8+66.00 (31.4' LT)			70	100				70	100			CROSSWALK ACROSS THE RIGHT TURN LANE
8+60.20 (43.5' LT)							19				19			RIGHT TURN LANE STOP BAR
8+76.50 (12.5' RT)				8			25		8		25			STOP BARS AND CL BETWEEN STOP BARS ON SOUTH LEG WILLIAMS STREET
8+77.63 (16.0' LT)	TO	9+07.00 (32.2' RT)			110	150				110	150			CORSSWALK ACROSS SOUTH LEG OF WILLIAMS STREET
10+26.84 (6.6' LT)							14				14			STOP BAR ON NORTH LEG OF WILLIAMS STREET
SUB-TOTALS			1422	2540										
TOTALS			3962		366	792	132	218.4	3962	366	792	132	218.4	

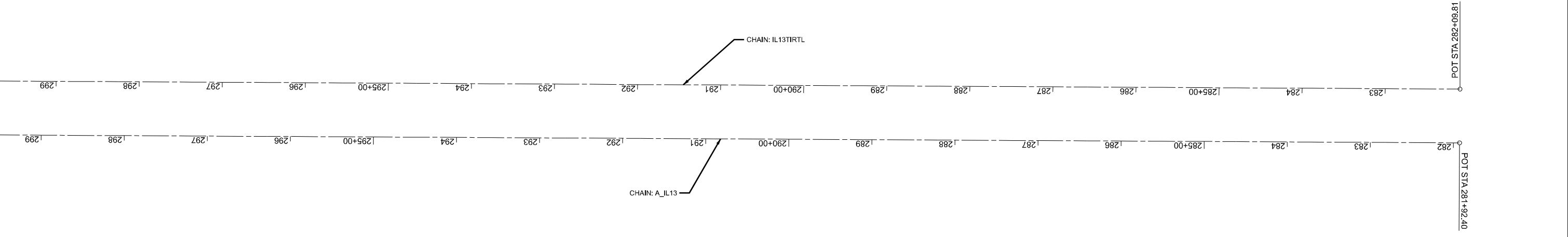
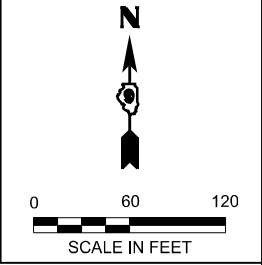
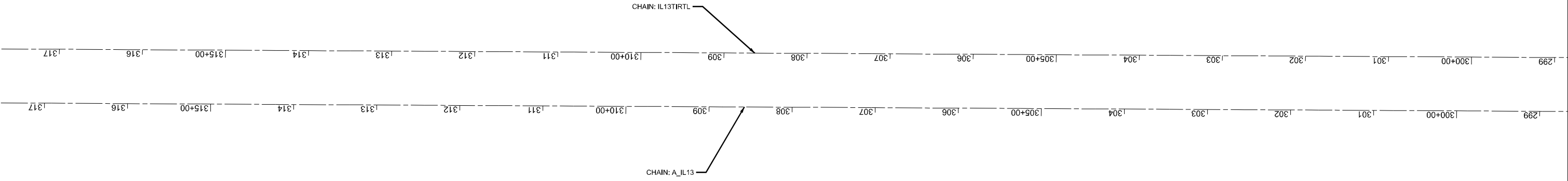
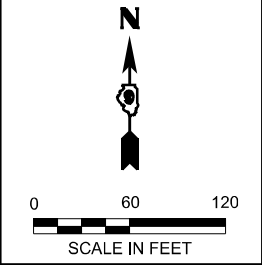
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FILE NAME: p:\projects\78A16\CAD\Drawings\DOT Office\Drawings\78A16\CAD\Drawings\DOT78A16-Sht-Schedules.dgn

USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	19
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -	SCALE: SHEET 19 OF 80 SHEETS STA. TO STA.				CONTRACT NO. 78A16				
	PLOT DATE = 8/8/2024	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



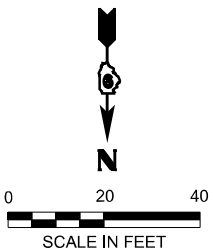
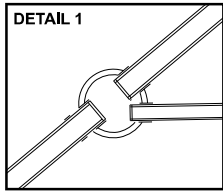
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FILE NAME: p:\projects\78A16\CADDData\CADDsheets\078A16-Sht-Geopak_Elements.dgn

MODEL: Geopak FILE NAME: 1201	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOPAK ELEMENTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	21
	PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED -		CONTRACT NO. 78A16								
	PLOT DATE = 8/2/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
						SCALE:	SHEET 21	OF 80 SHEETS	STA.	TO STA.			



MODEL: Geopak 2.0 [Sheet]
FILE NAME: p:\projects\78A16\CAD\Drawings\DOT\Office\Drawings\DOT\78A16-Str-Geopak_Elements.dgn

	USER NAME = Jared.Harp		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOPAK ELEMENTS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	22
	PLOT SCALE = \$SCALE\$		CHECKED -	REVISED -					CONTRACT NO. 78A16				
	PLOT DATE = 8/2/2024		DATE -	REVISED -		SCALE:	SHEET 22	OF 80 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



PROP. MANHOLES, TYPE A, 6" DIAMETER,
WITH MEDIAN INLET (604106)
STATION 317+62 @ 31.1' RT (A_IL13)
INVERT ELEVATION 374.06
TOP OF FLAT TOP SLAB ELEVATION 378.65
TOP OF FRAME AND GRATE ELEVATION 380.65

SEE DETAIL 1

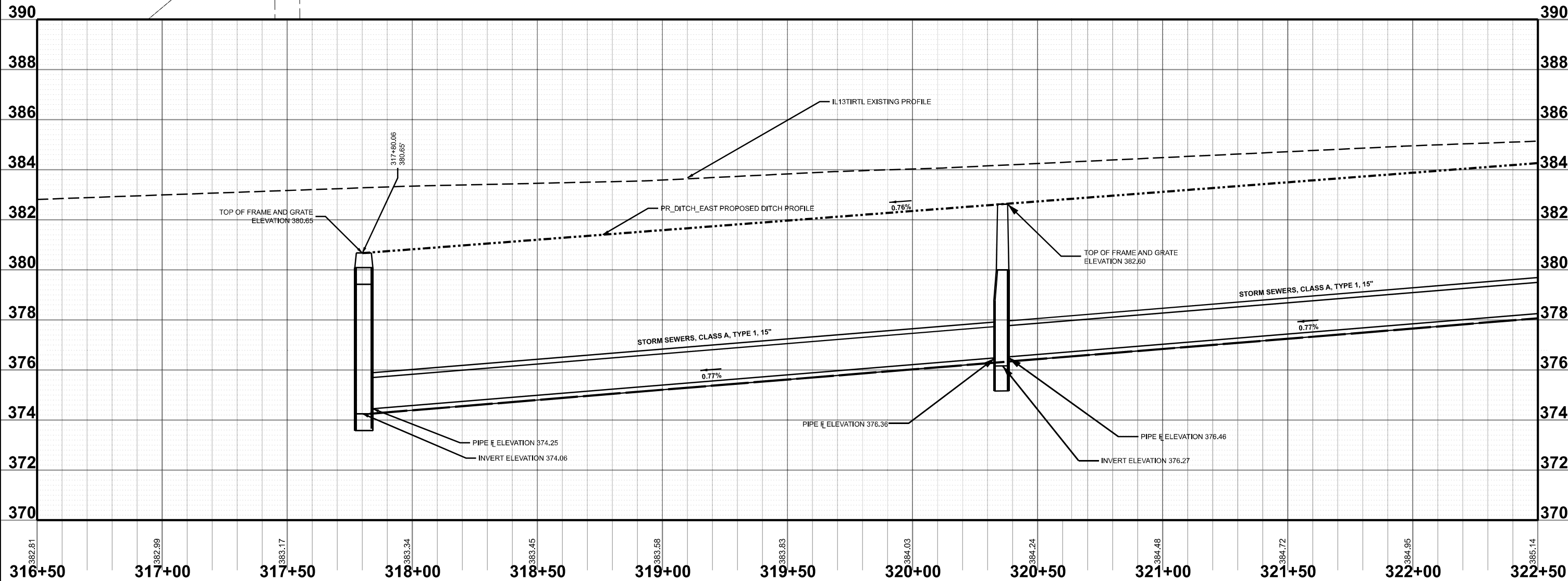
TIE EXISTING 24" CONCRETE PIPE
INTO PROP. MANHOLES, TYPE A, 6" DIAMETER
WITH MEDIAN INLET (604106)
STATION 317+62 @ 31.1' RT (A_IL13)
CONCRETE COLLAR 0.88 CU YD

PROP STORM SEWERS, CL A, TY. 1, 15"
STATION 323+08 @ 24.1' RT (A_IL13)
USFL ELEVATION = 378.65
STATION 317+62 @ 31.1' RT (A_IL13)
DSFL STATION = 374.25

PROP. INLET TYPE B
WITH MEDIAN INLET (604106)
STATION 320+36 @ 28.0' RT (A_IL13)
INVERT ELEVATION 376.27
TOP OF FRAME AND GRATE ELEVATION 382.60

PROPOSED DITCH

IL13TIRTL



USER NAME = Jared,Harp
PLOT SCALE = 0.16666633' / in.
PLOT DATE = 8/8/2024

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE: EAST MEDIAN DITCH AND STORM SEWER

SCALE: 1"=20'

SHEET 23

OF

SHEETS

STA.

TO STA.

F.A.P.
RTE.

SECTION
(12-1)TS-2

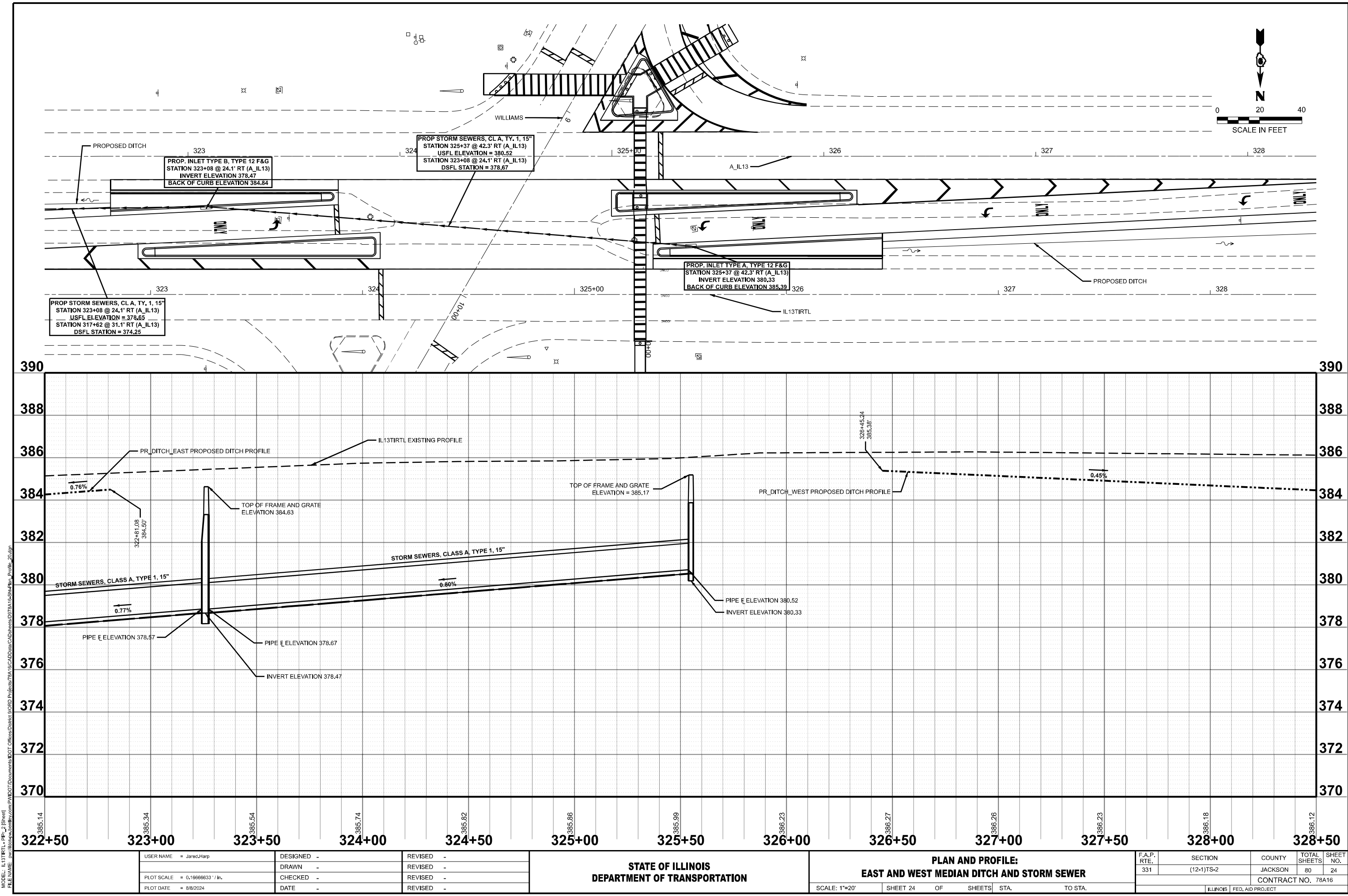
COUNTY
JACKSON

TOTAL
SHEETS
80

SHEET
NO.
23

CONTRACT NO. 78A16

ILLINOIS FED. AID PROJECT



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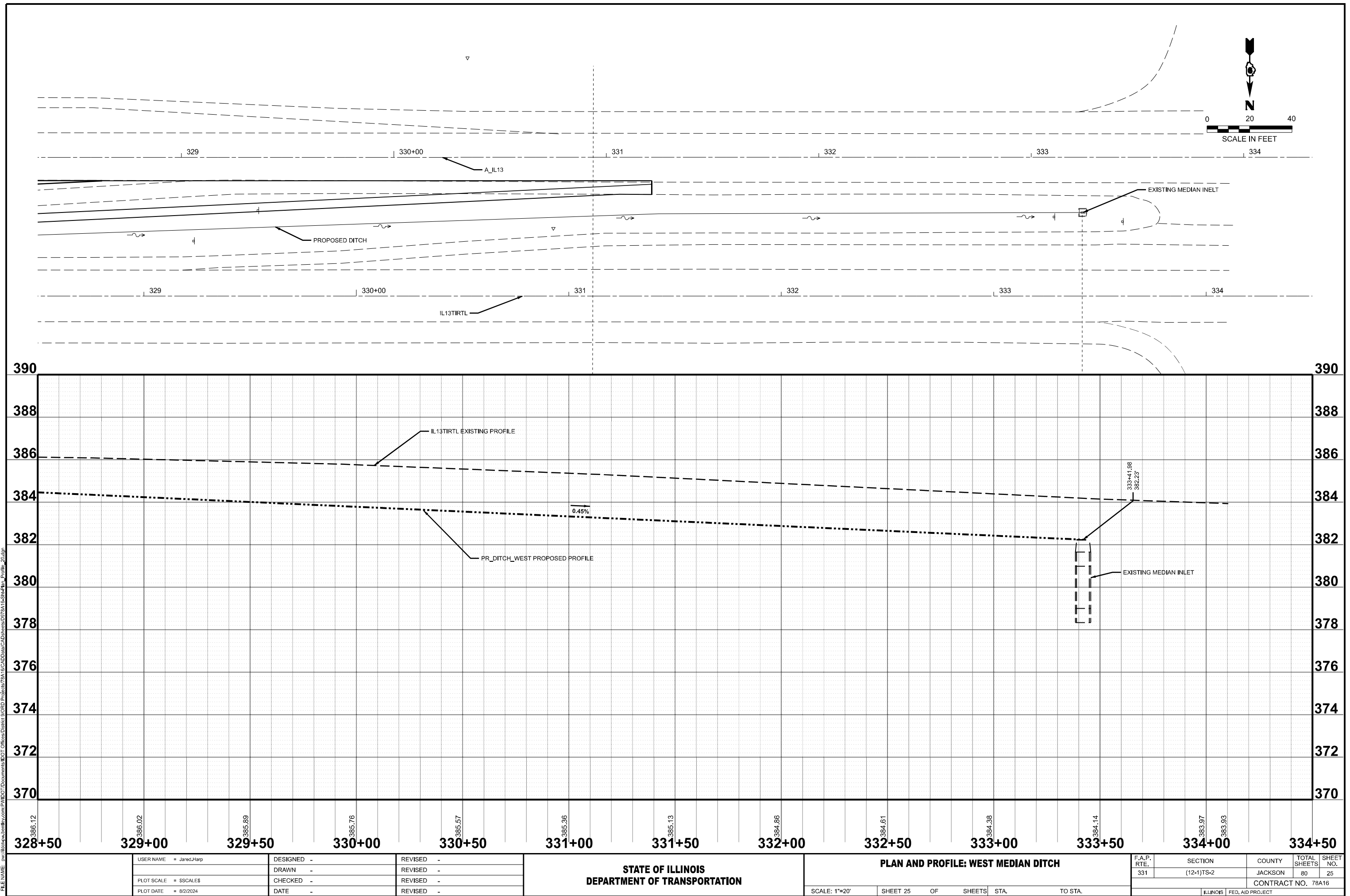
USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/8/2024	DATE	-	REVISED	-

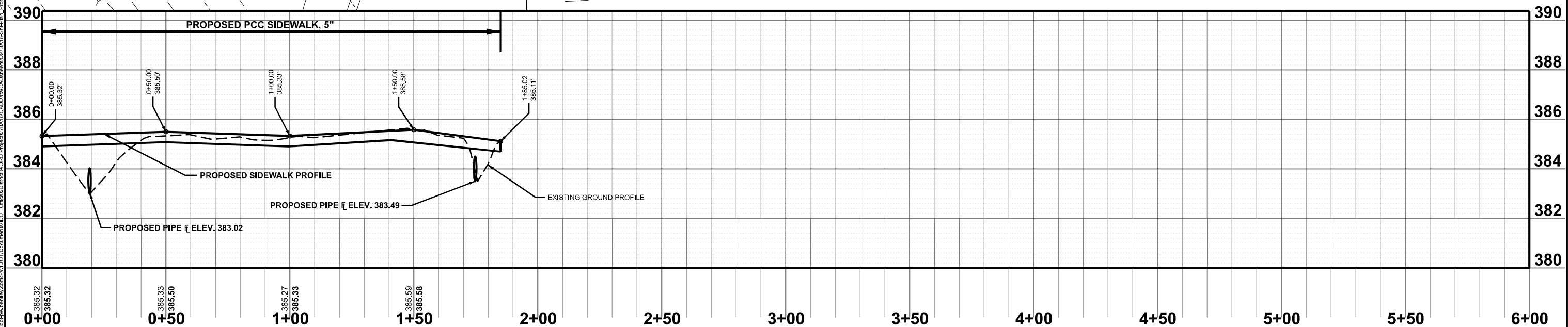
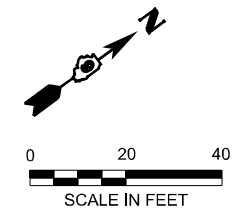
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE:
EAST AND WEST MEDIAN DITCH AND STORM SEWER

SCALE: 1"=20' SHEET 24 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	24
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				





USER NAME = Jared,Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.166666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2024	DATE -	REVISED -

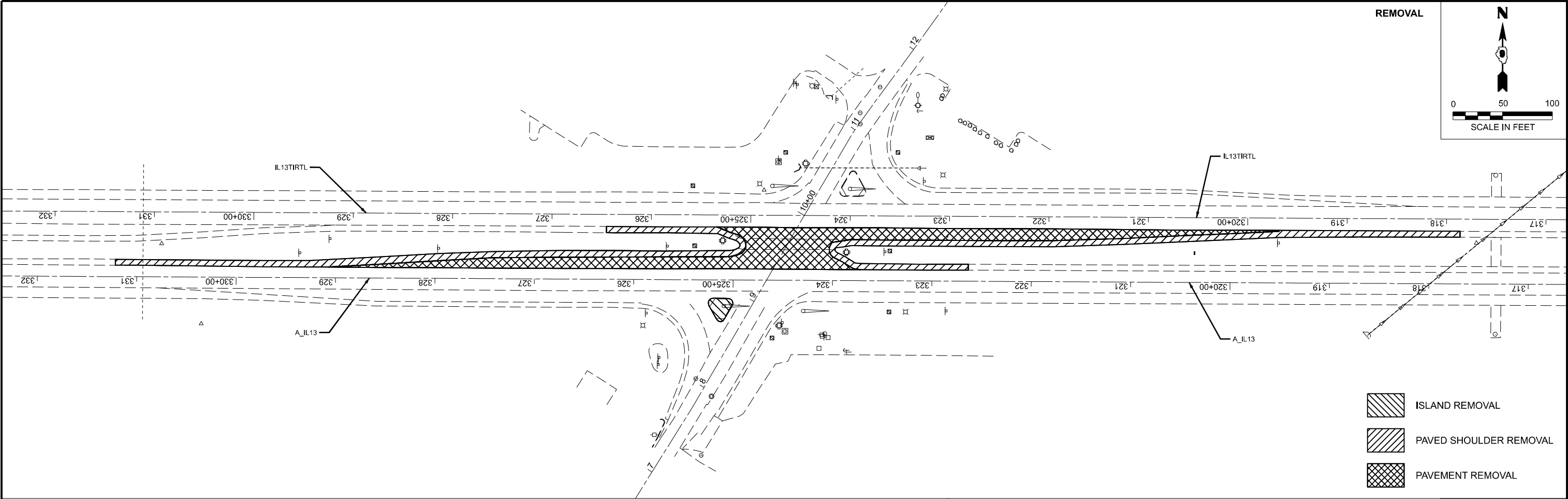
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - SIDEWALK

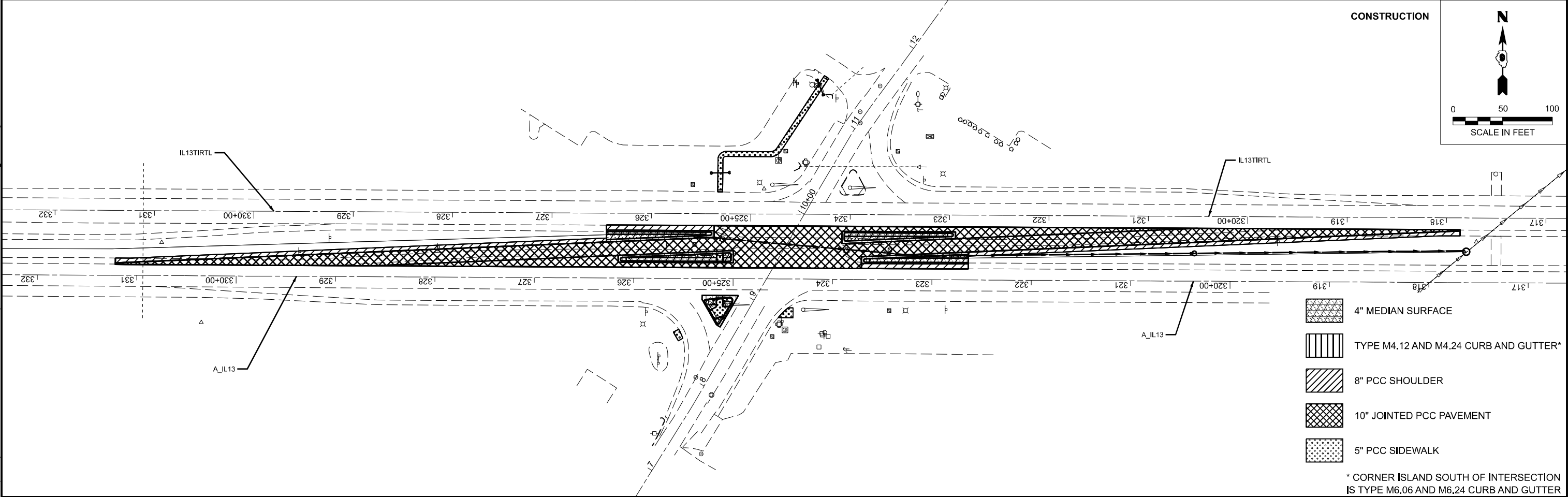
SCALE: 1"=20'	SHEET 26	OF 4	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	26
		CONTRACT NO. 78A16		
ILLINOIS		FED. AID PROJECT		

MODEL: Removal_Construction (Sheet)
FILE NAME: p:\projects\78A16\CAD\Drawings\DOT\Office\Drawings\DOT\Drawings\78A16-5-Shr-Removal_Construction.dgn



-  ISLAND REMOVAL
-  PAVED SHOULDER REMOVAL
-  PAVEMENT REMOVAL

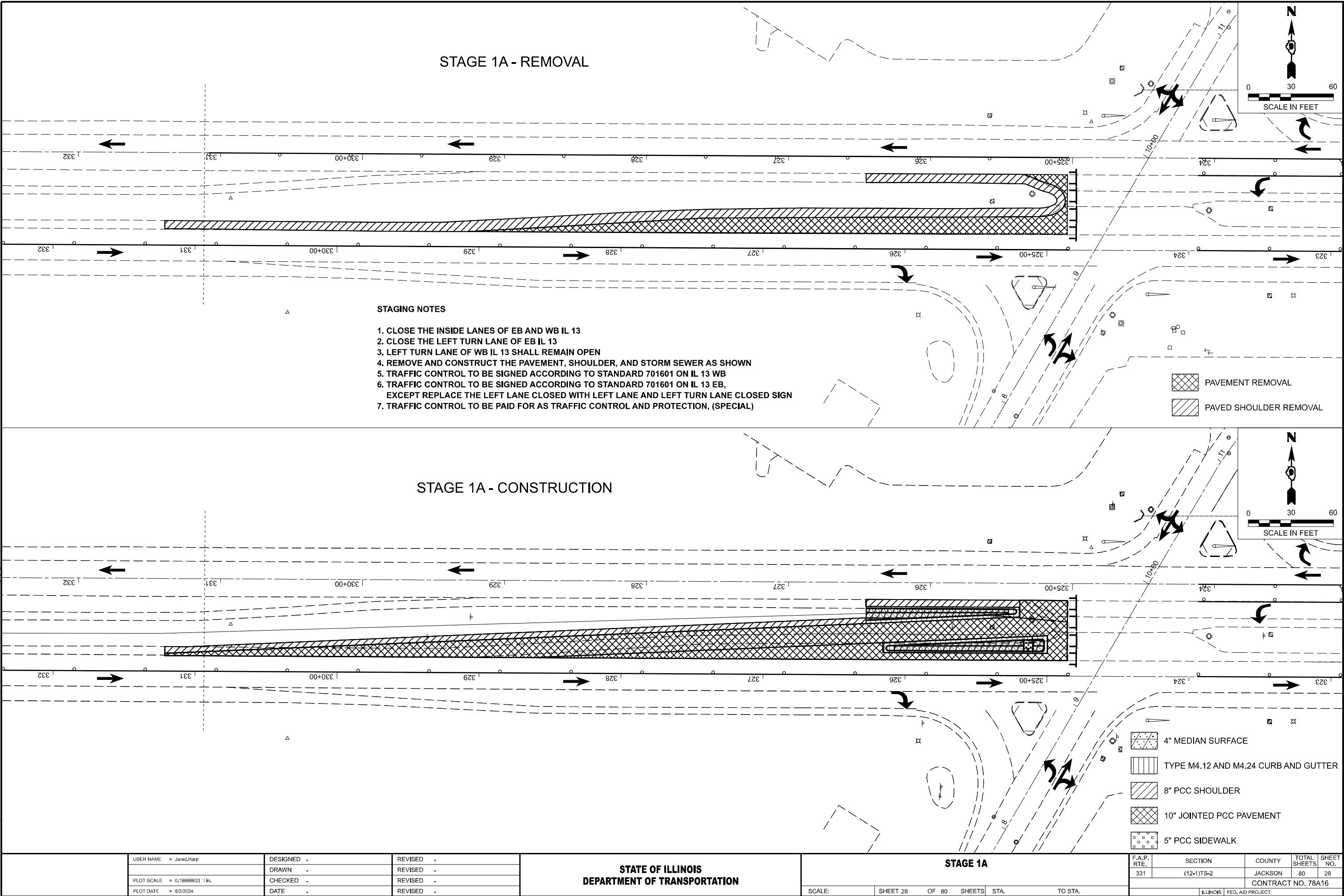


-  4" MEDIAN SURFACE
-  TYPE M4.12 AND M4.24 CURB AND GUTTER*
-  8" PCC SHOULDER
-  10" JOINTED PCC PAVEMENT
-  5" PCC SIDEWALK

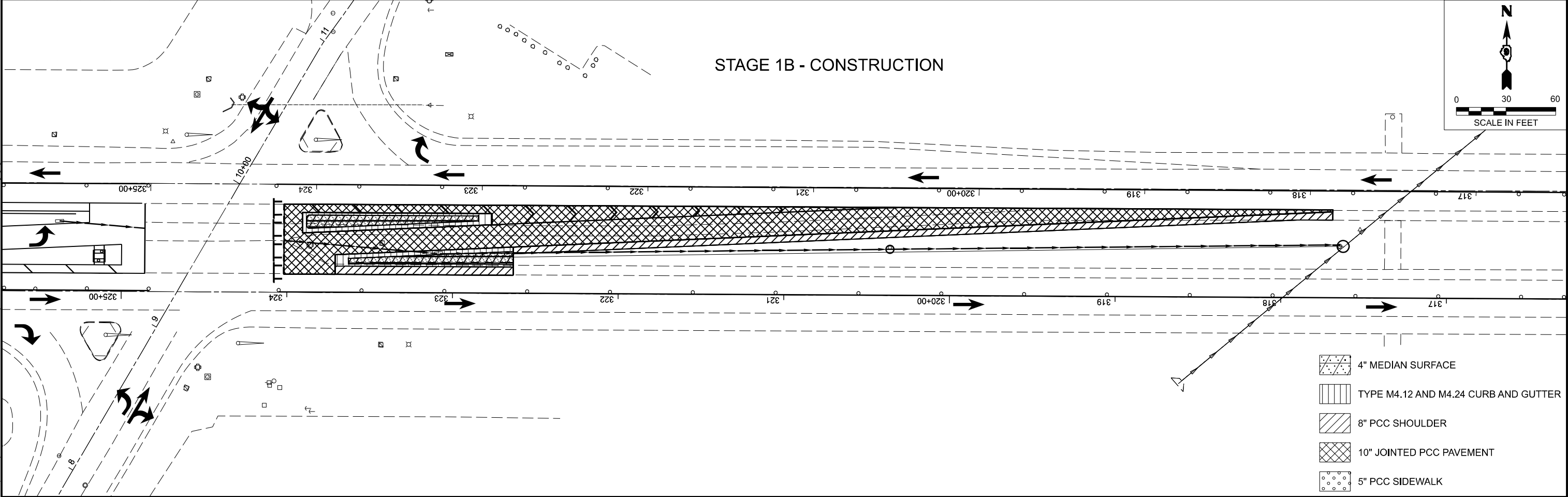
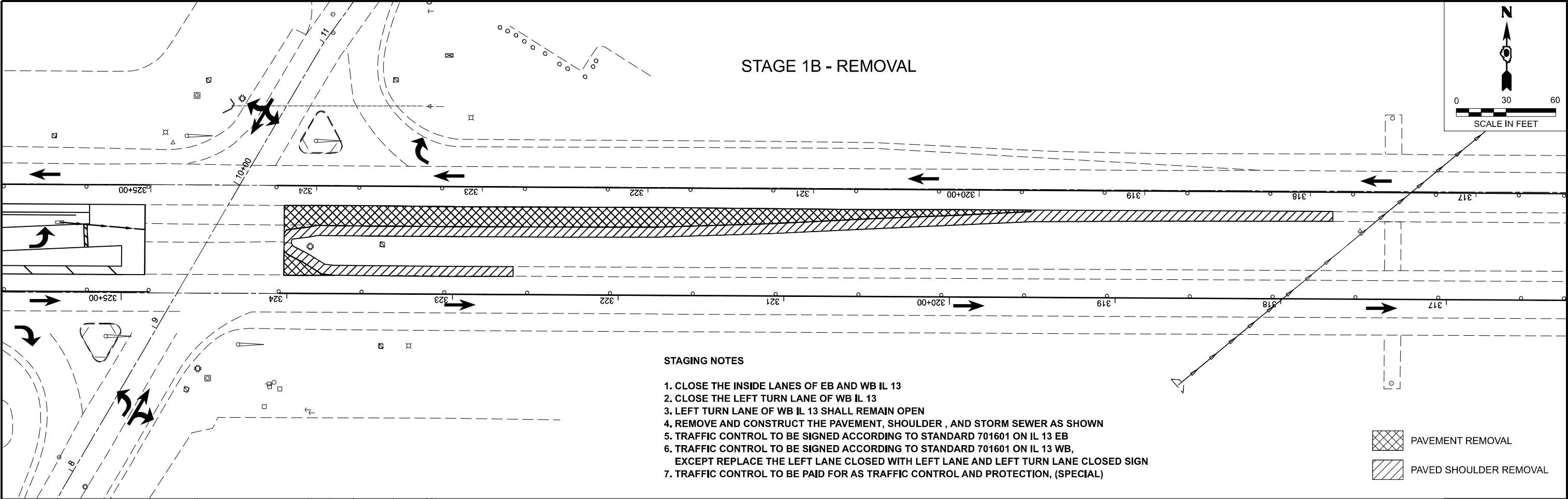
* CORNER ISLAND SOUTH OF INTERSECTION
IS TYPE M6.06 AND M6.24 CURB AND GUTTER

	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL AND CONSTRUCTION				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.	DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	27
	PLOT DATE = 8/8/2024	CHECKED -	REVISED -				CONTRACT NO. 78A16						
		DATE -	REVISED -		SCALE:	SHEET 27	OF 80	SHEETS	STA.	TO STA.			
									ILLINOIS FED. AID PROJECT				

MODEL: Staging_1 (Sheet)
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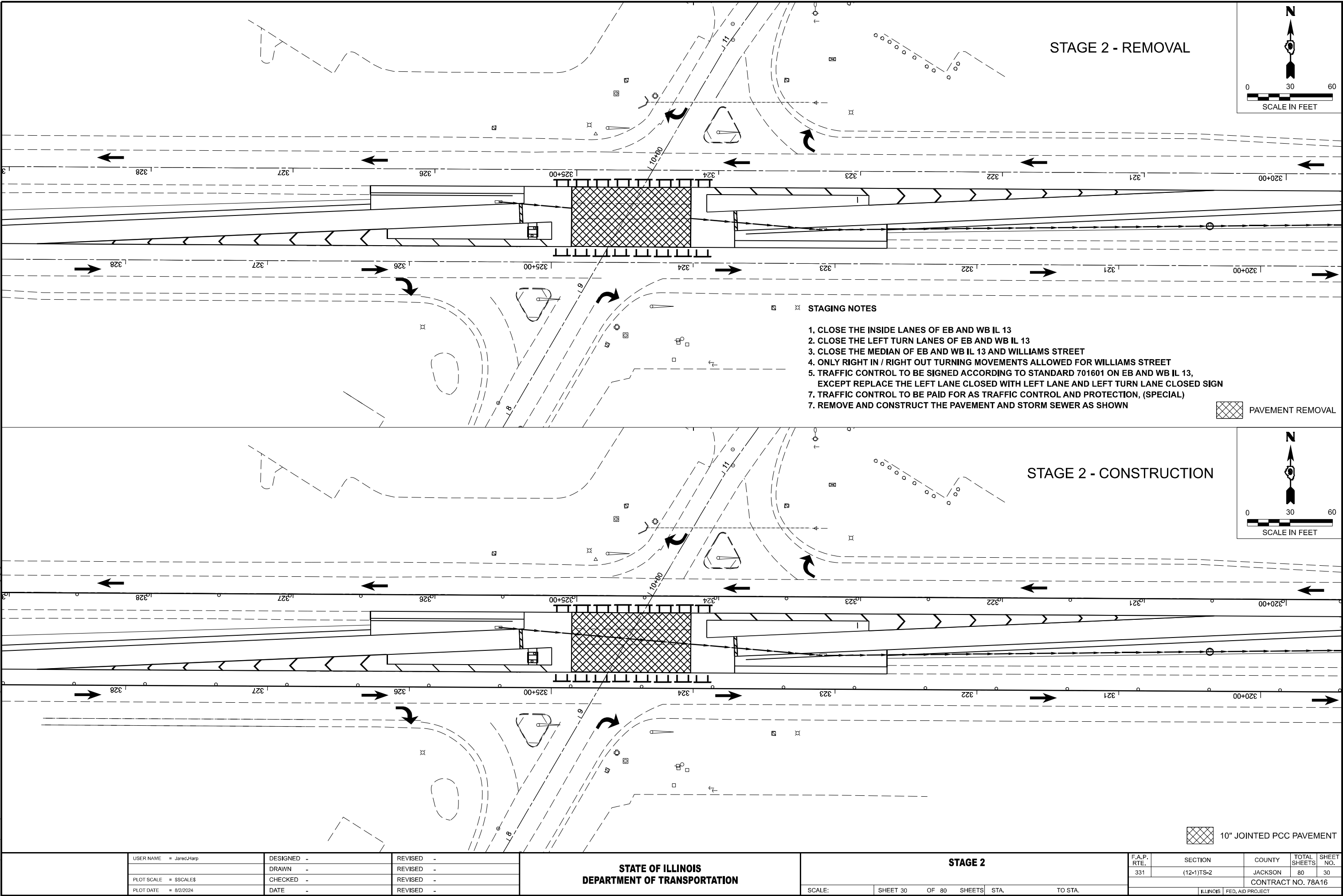


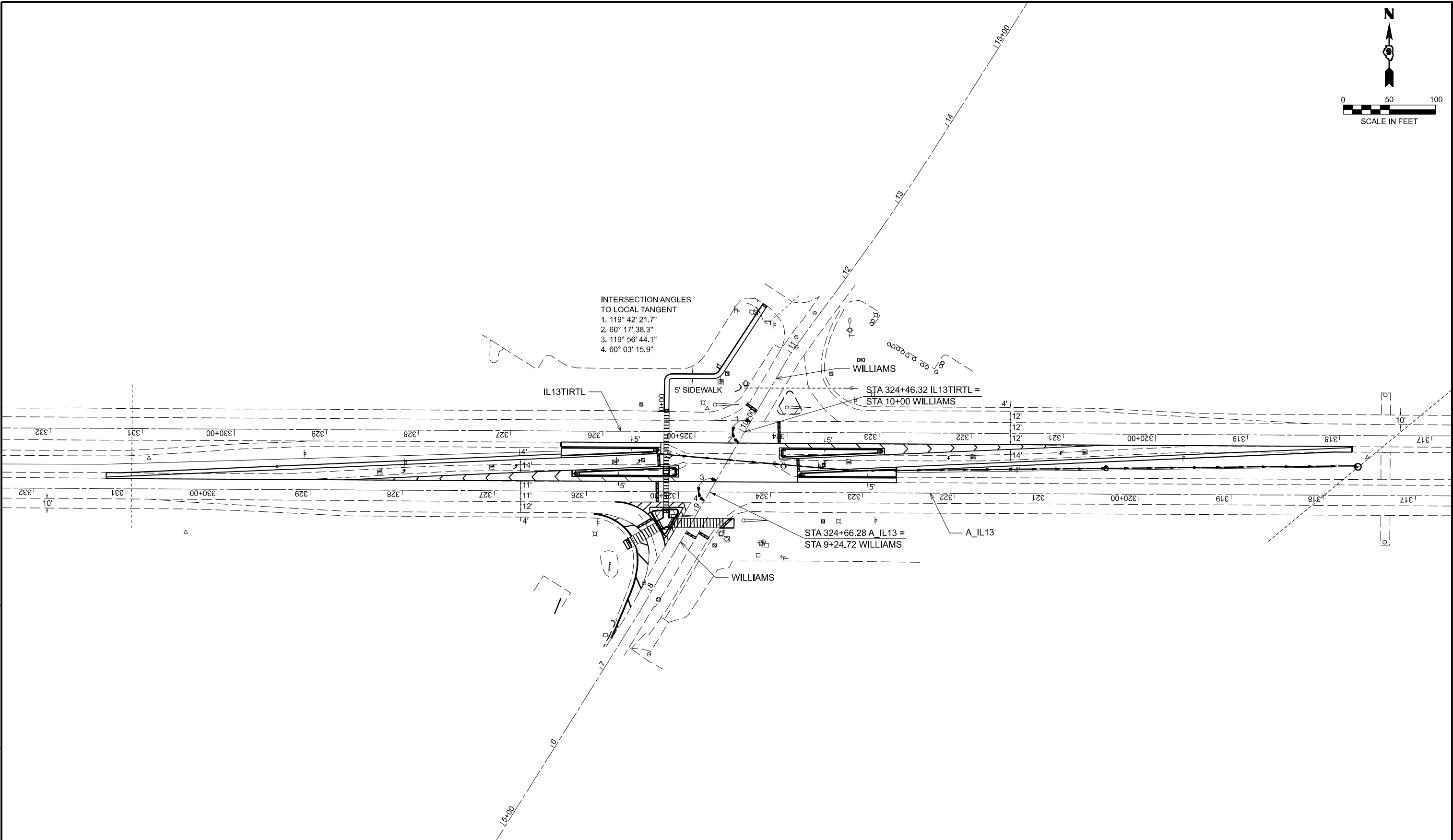
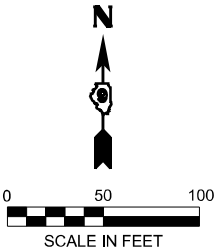
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FILE NAME: p:\projects\78A16\CAD Data\CAD Sheets\0378A16-Str-Staging.dgn



	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1B			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	29
	PLOT DATE = 8/2/2024	CHECKED -	REVISED -		SCALE: SHEET 29 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

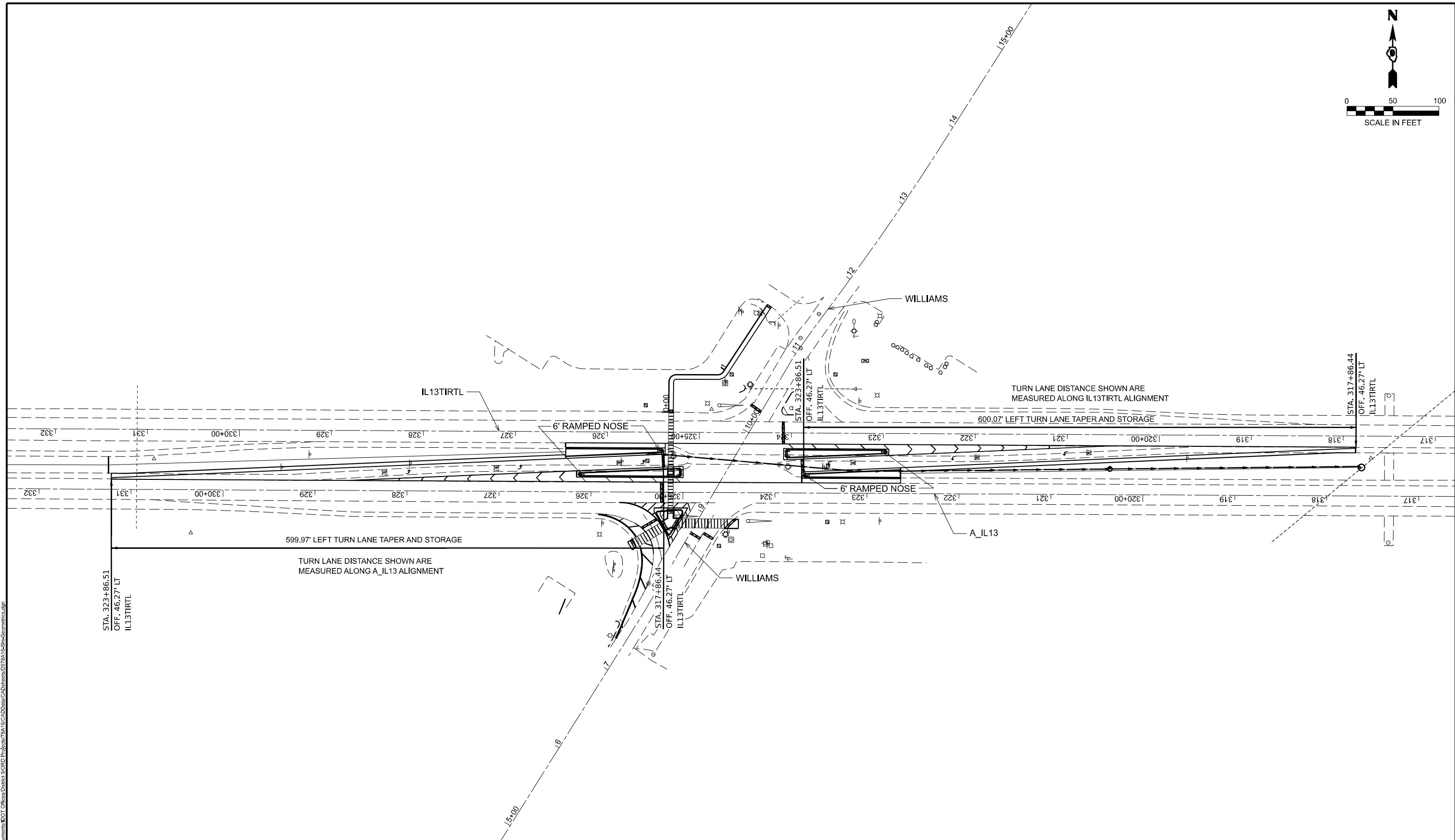
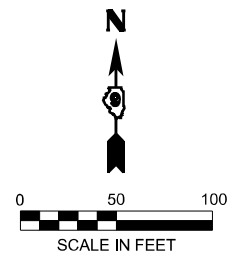
GEOMETRICS SHEET

USER NAME = Jared.Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2024	DATE -	REVISED -

SCALE: SHEET 32 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	32
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

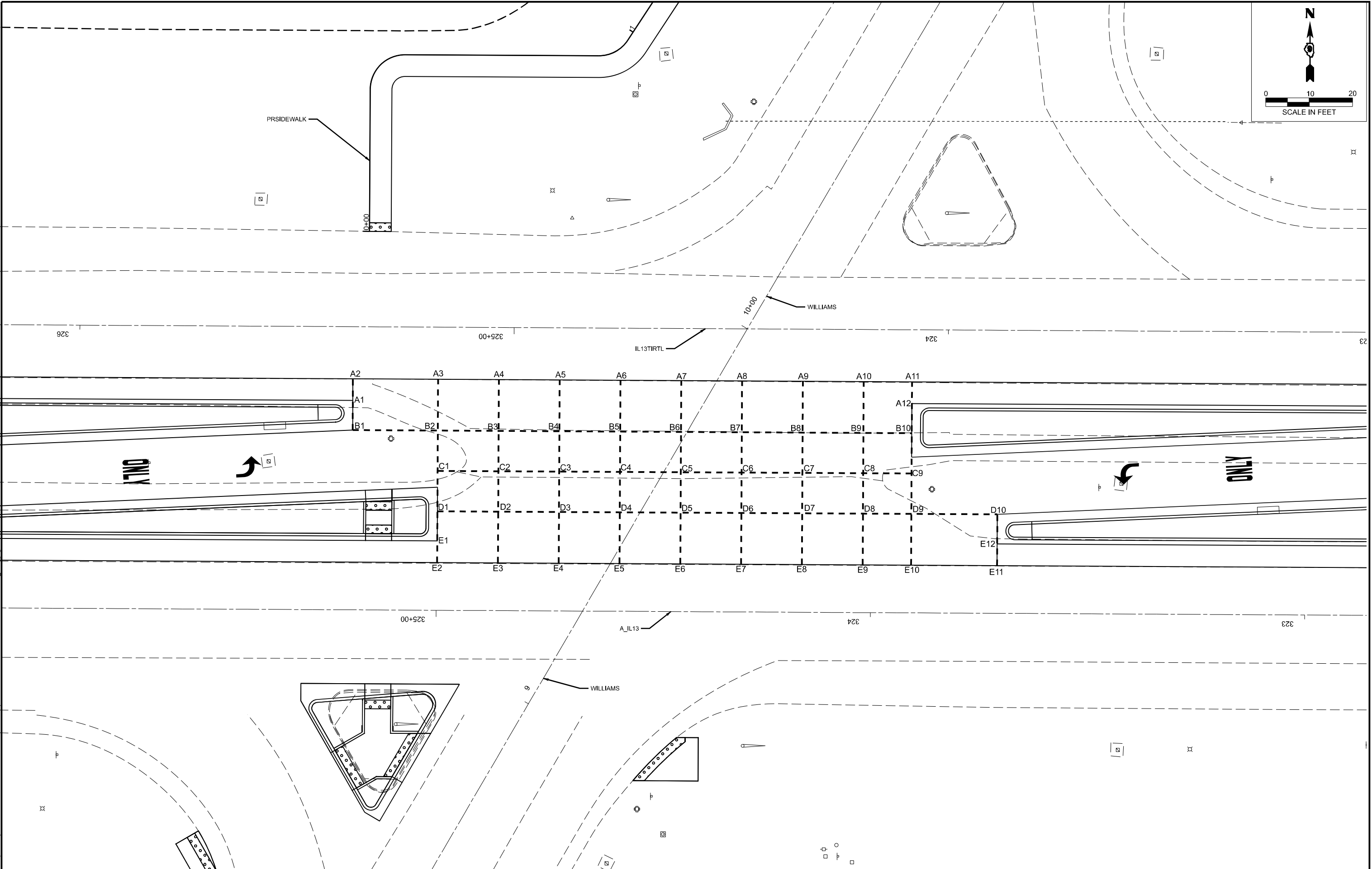
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	USER NAME = Jared,Harp		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOMETRICS SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.		DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	33
	PLOT DATE = 8/8/2024		CHECKED -	REVISED -		SCALE: SHEET 33 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
			DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

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	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION ELEVATION AND JOINTING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	34
	PLOT DATE = 8/8/2024	CHECKED -	REVISED -		SCALE: SHEET34 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

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CENTER OF INTERSECTION			
POINT NUMBER	STATION (IL13 TIRTL)	OFFSET (RT)	ELEVATION
A 1	325+37.05	17.00	385.48
A 2	325+37.05	12.00	385.69
A 3	325+17.44	12.00	385.64
A 4	325+03.44	12.00	385.64
A 5	324+89.44	12.00	385.65
A 6	324+75.44	12.00	385.65
A 7	324+61.44	12.00	385.64
A 8	324+47.44	12.00	385.61
A 9	324+33.44	12.00	385.56
A 10	324+19.44	12.00	385.52
A 11	324+08.30	12.00	385.51
A 12	324+08.30	17.00	385.43

CENTER OF INTERSECTION			
POINT NUMBER	STATION (IL13 TIRTL)	OFFSET (RT)	ELEVATION
B 1	325+37.05	23.81	385.33
B 2	325+17.44	23.82	385.50
B 3	325+03.44	23.82	385.53
B 4	324+89.44	23.82	385.56
B 5	324+75.44	23.82	385.58
B 6	324+61.44	23.82	385.60
B 7	324+47.44	23.82	385.53
B 8	324+33.44	23.82	385.45
B 9	324+19.44	23.83	385.37
B 10	324+08.30	23.83	385.33

CENTER OF INTERSECTION			
POINT NUMBER	STATION (IL13 TIRTL)	OFFSET (RT)	ELEVATION
C 1	325+17.44	33.13	385.39
C 2	325+03.44	33.13	385.44
C 3	324+89.44	33.12	385.48
C 4	324+75.44	33.12	385.53
C 5	324+61.44	33.12	385.57
C 6	324+47.44	33.12	385.47
C 7	324+33.44	33.12	385.37
C 8	324+19.44	33.11	385.26
C 9	324+08.30	33.11	385.18

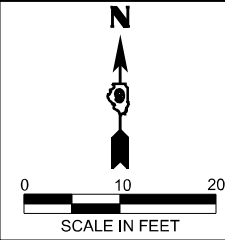
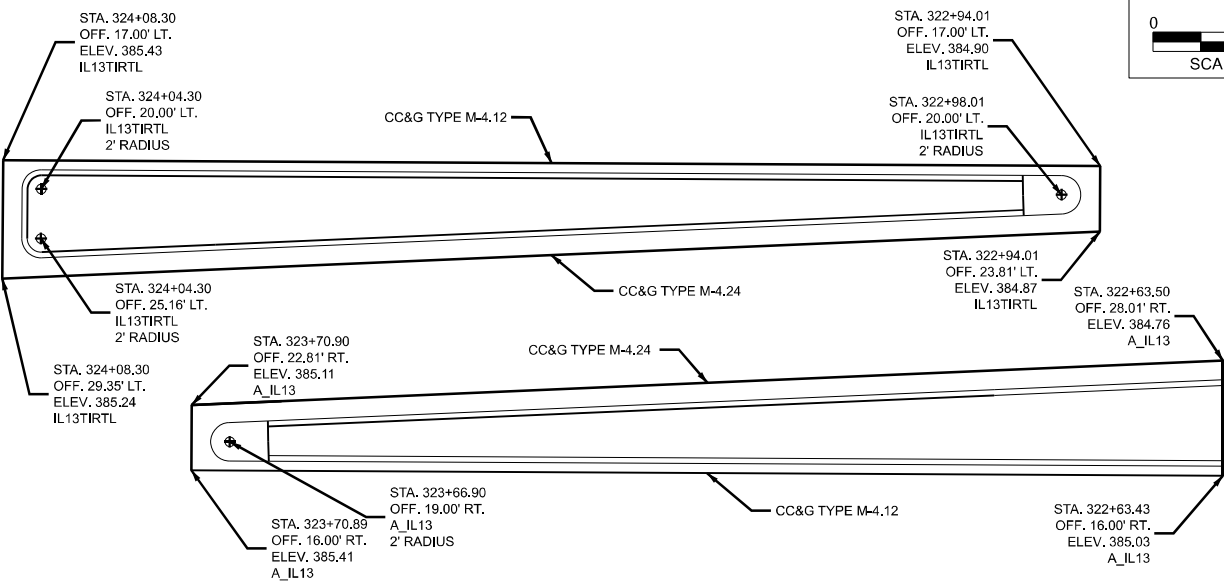
CENTER OF INTERSECTION			
POINT NUMBER	STATION (IL13 TIRTL)	OFFSET (RT)	ELEVATION
D 1	325+17.44	42.43	385.63
D 2	325+03.44	42.43	385.63
D 3	324+89.44	42.43	385.63
D 4	324+75.44	42.42	385.64
D 5	324+61.44	42.42	385.66
D 6	324+47.44	42.42	385.60
D 7	324+33.44	42.42	385.53
D 8	324+19.44	42.42	385.47
D 9	324+08.30	41.41	385.41
D 10	323+88.51	41.41	385.11

CENTER OF INTERSECTION			
POINT NUMBER	STATION (IL13 TIRTL)	OFFSET (RT)	ELEVATION
E 1	325+17.44	49.24	385.80
E 2	325+17.44	54.24	385.92
E 3	325+03.44	54.24	385.87
E 4	324+89.44	54.24	385.81
E 5	324+75.44	54.24	385.79
E 6	324+61.44	54.23	385.78
E 7	324+47.44	54.23	385.77
E 8	324+33.44	54.23	385.75
E 9	324+19.44	54.23	385.72
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E 11	323+88.50	54.22	385.63
E 12	323+88.50	49.22	385.41

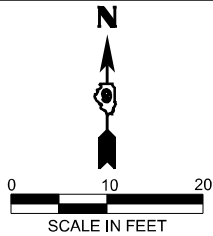
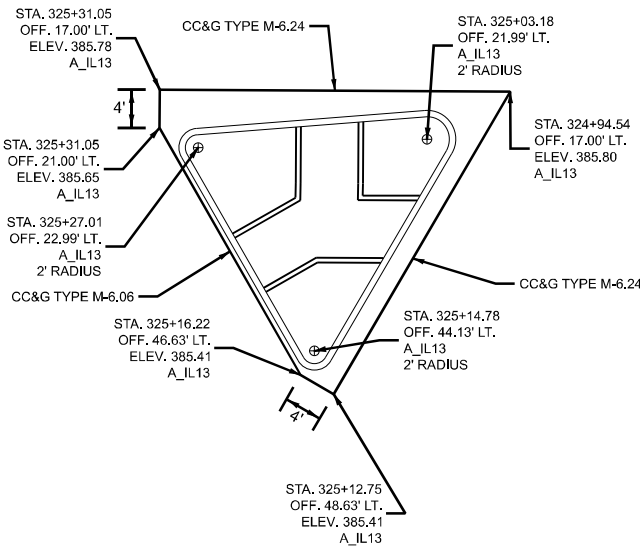
	USER NAME = Jared.Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION ELEVATION AND JOINTING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	35
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -					CONTRACT NO. 78A16				
	PLOT DATE = 8/2/2024	DATE -	REVISED -		SCALE:	SHEET 35	OF 80	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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INTENTIONALLY
LEFT BLANK

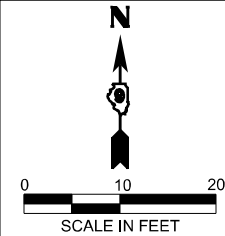
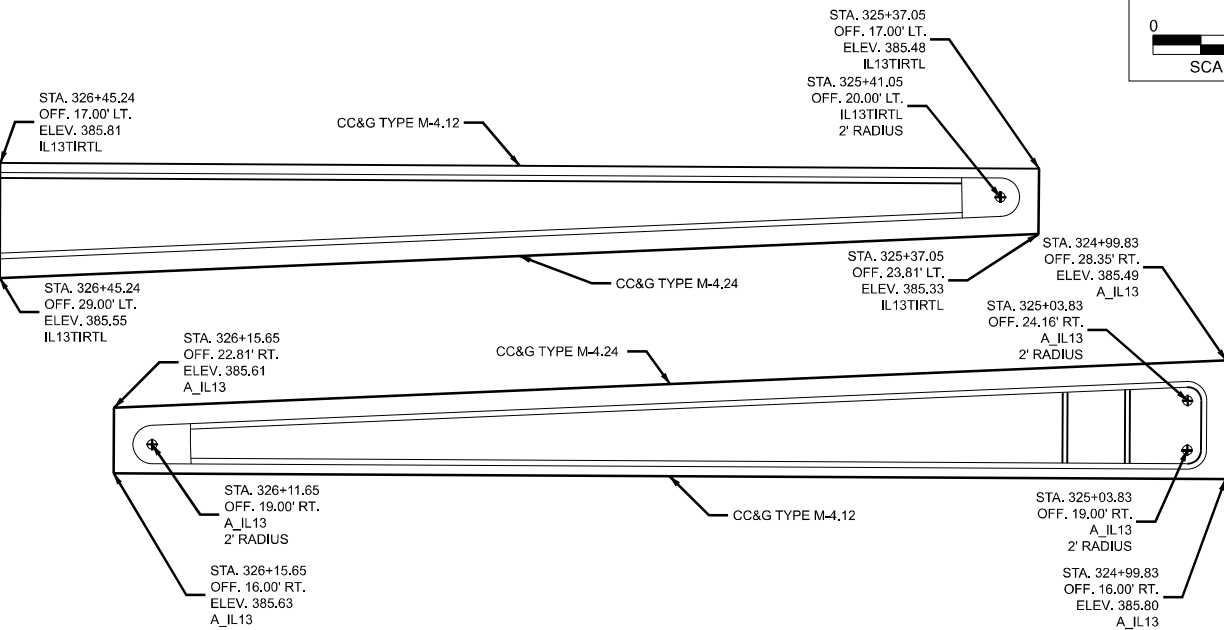
IL 13 WB LEFT TURN LANE ISLANDS



IL 13 AND WILLIAMS ST, SOUTHWEST QUADRANT, CORNER ISLAND



IL 13 EB LEFT TURN LANE ISLANDS



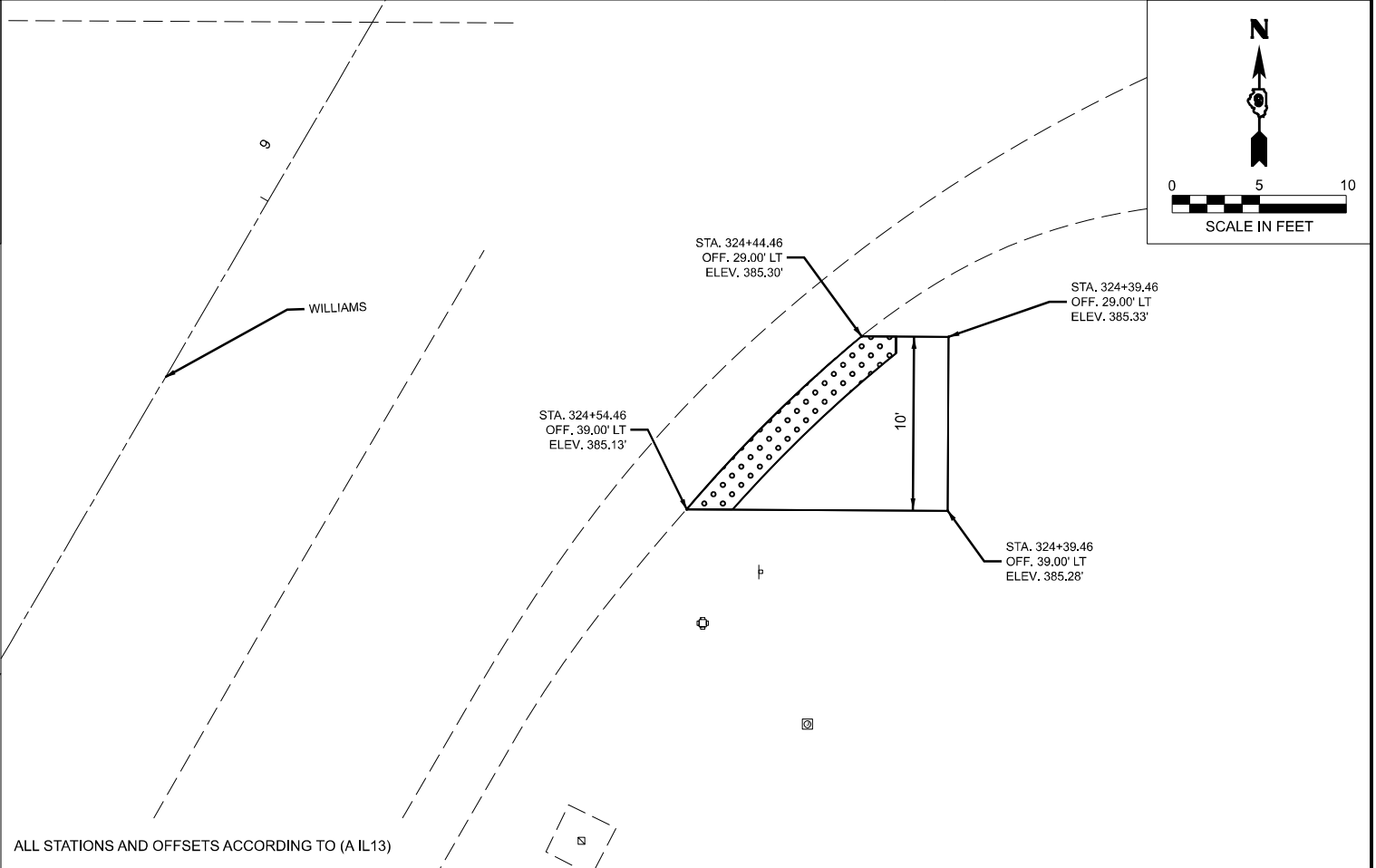
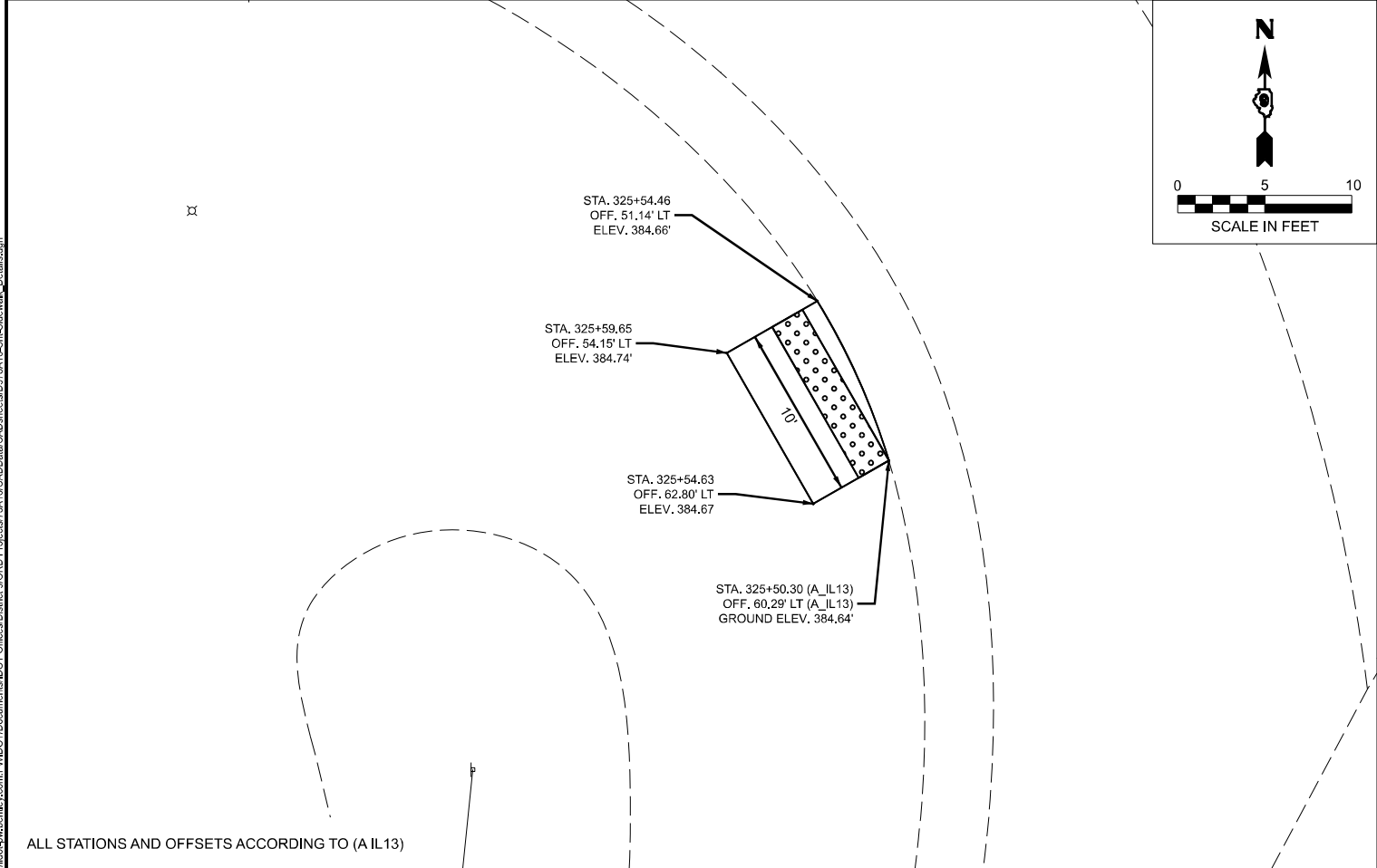
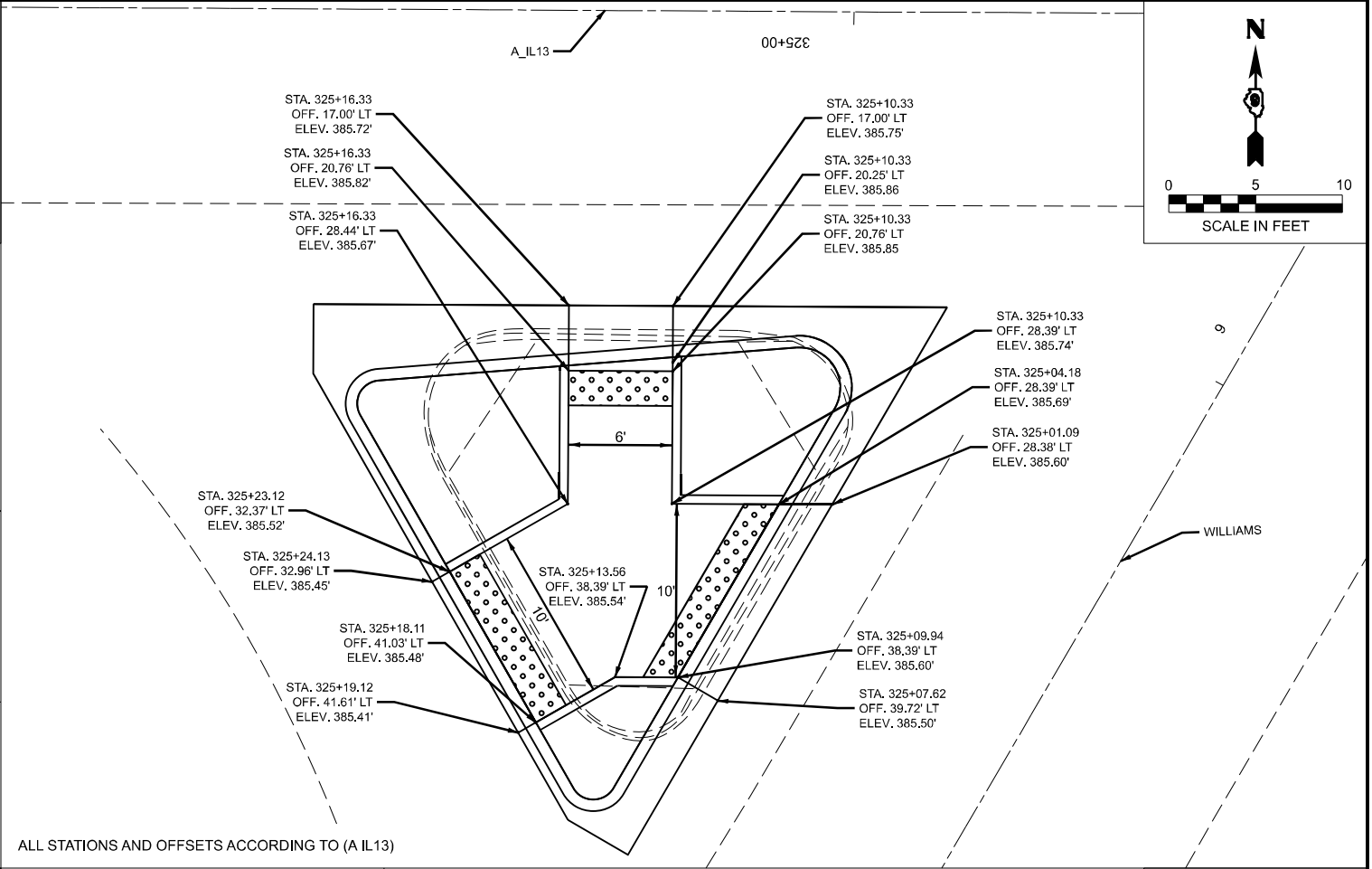
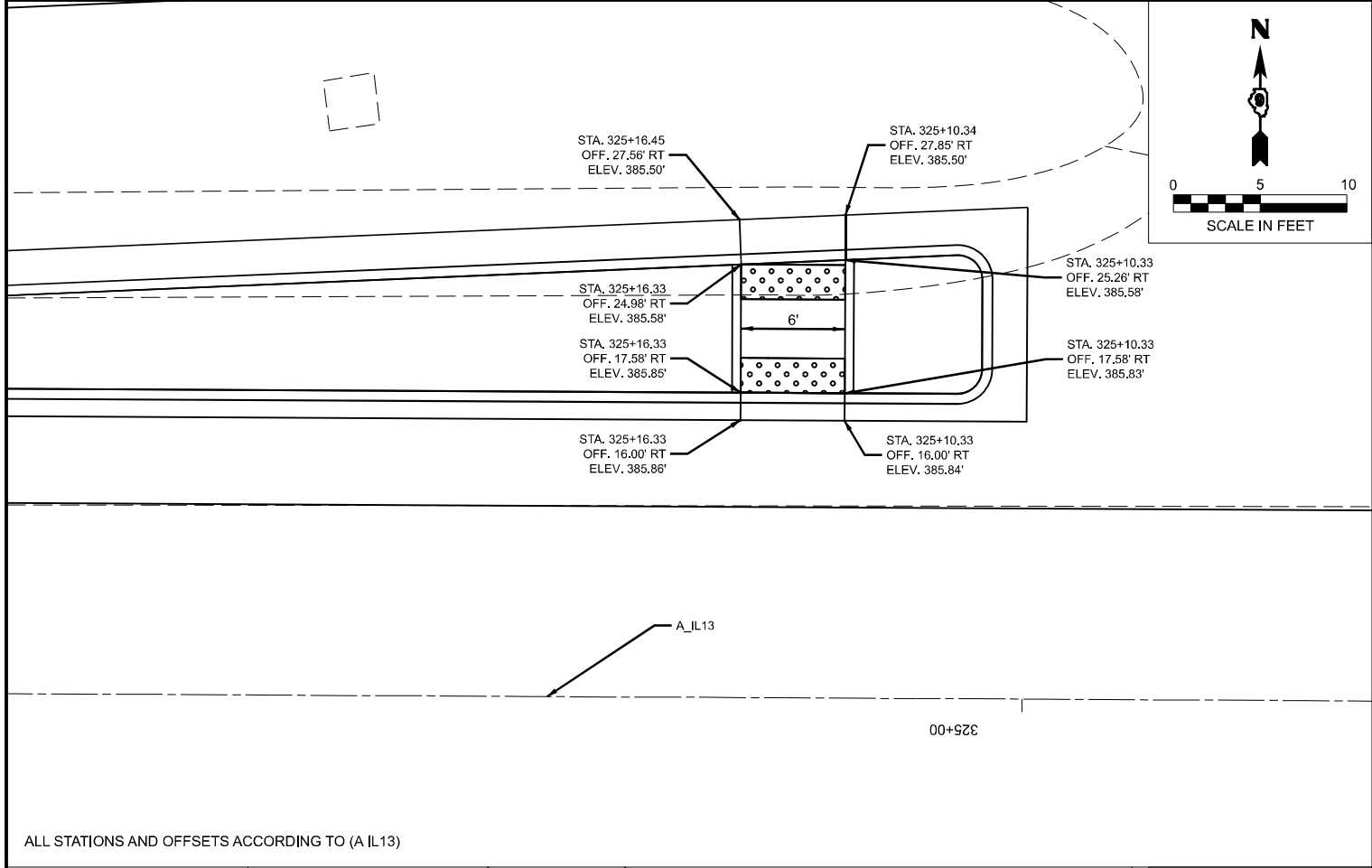
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USER NAME = Jared, Harp	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633" / 1'	DRAWN -	REVISED -
PLOT DATE = 8/8/2024	CHECKED -	REVISED -
	DATE -	REVISED -

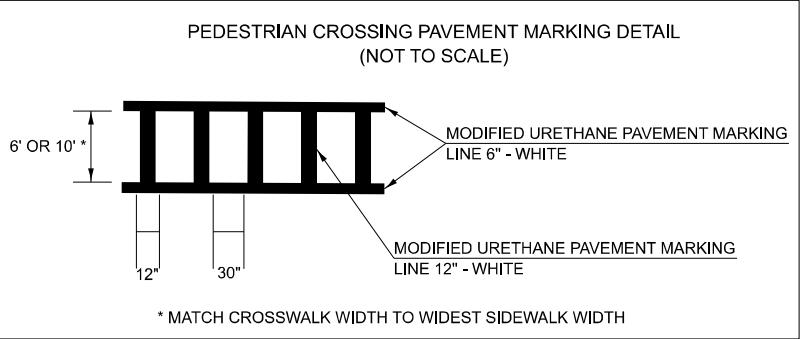
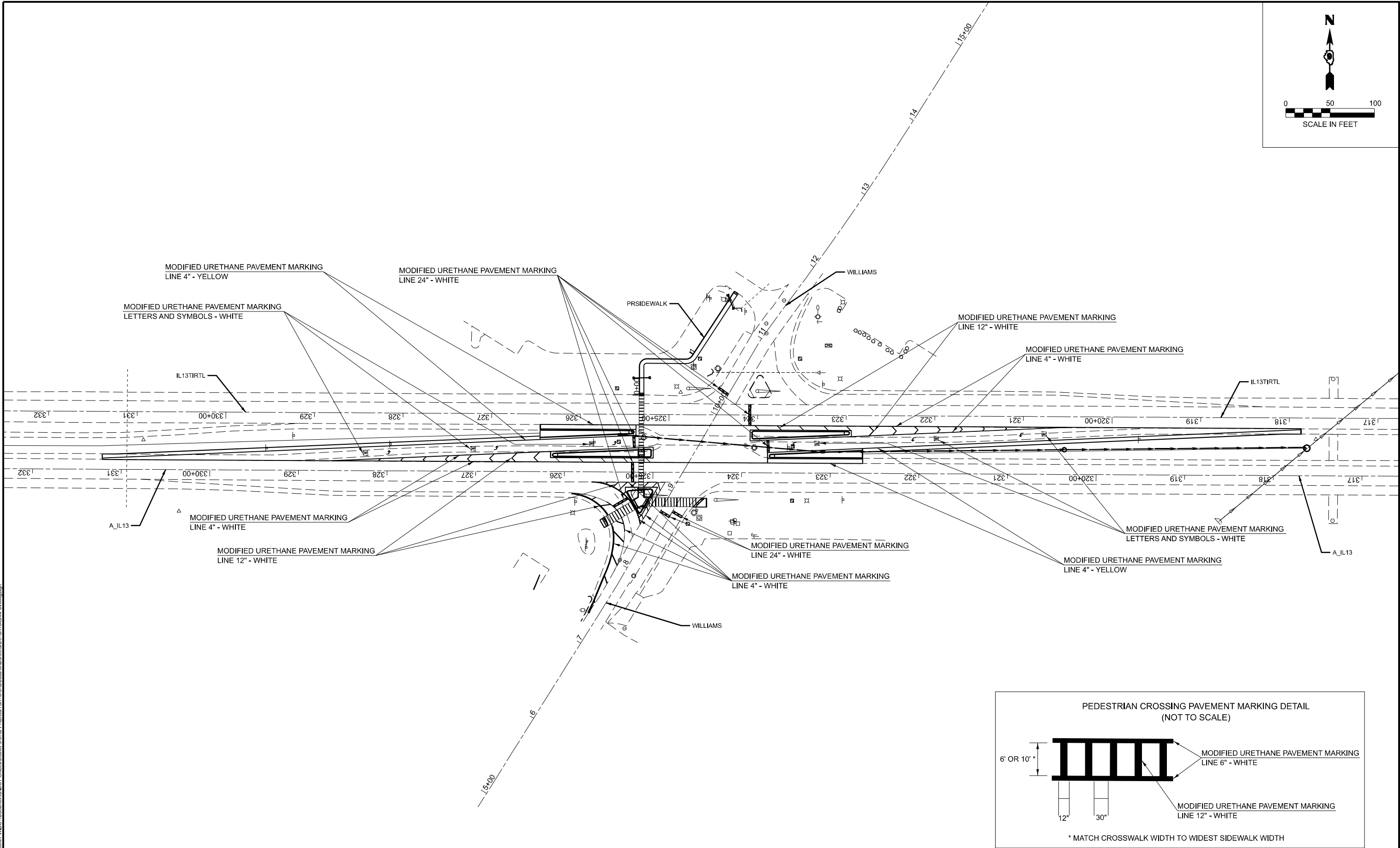
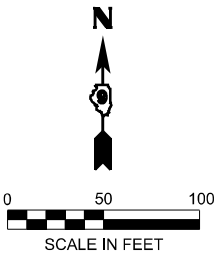
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ISLAND DETAILS			
SCALE:	SHEET 36	OF 80 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	36
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

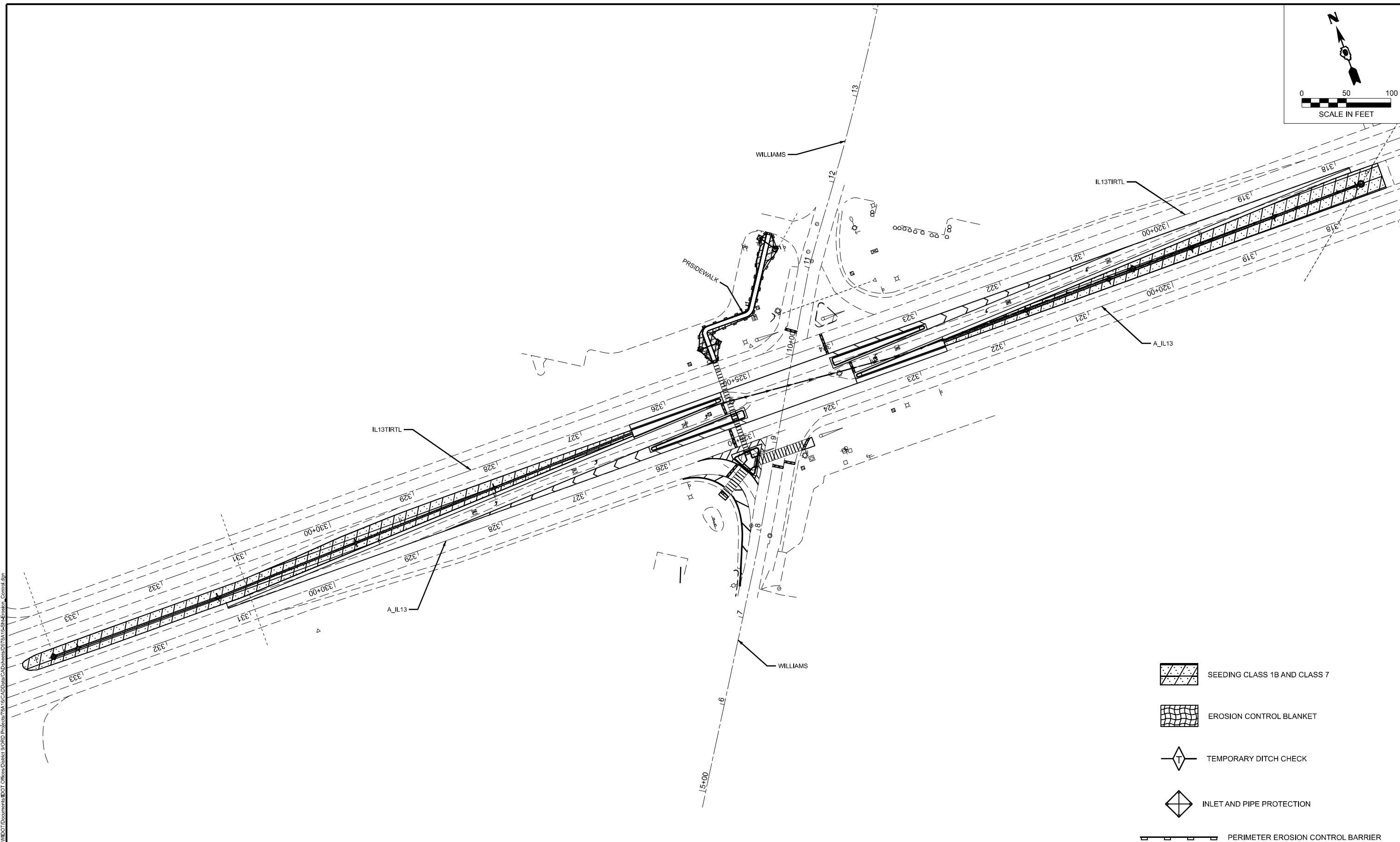
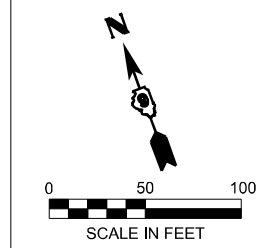


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USER NAME = Jared,Harp				DESIGNED -	REVIS	ED -		SCALE:				331	(12-1)TS-2	JACKSON	80	37
PLOT SCALE = 0.16666633" / in.				DRAWN -	REVIS	ED -		SHEET 37 OF 80 SHEETS				CONTRACT NO. 78A16				
PLOT DATE = 8/8/2024				CHECKED -	REVIS	ED -		STA. TO STA.				ILLINOIS FED. AID PROJECT				
DATE -				REVIS	ED -											



MODEL: Pavement_Marking_01 (Sheet)
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	USER NAME = Jared,Harp		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.		DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	38
	PLOT DATE = 8/8/2024		CHECKED -	REVISED -						CONTRACT NO. 78A16				
			DATE -	REVISED -		SCALE:	SHEET 38	OF 80	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



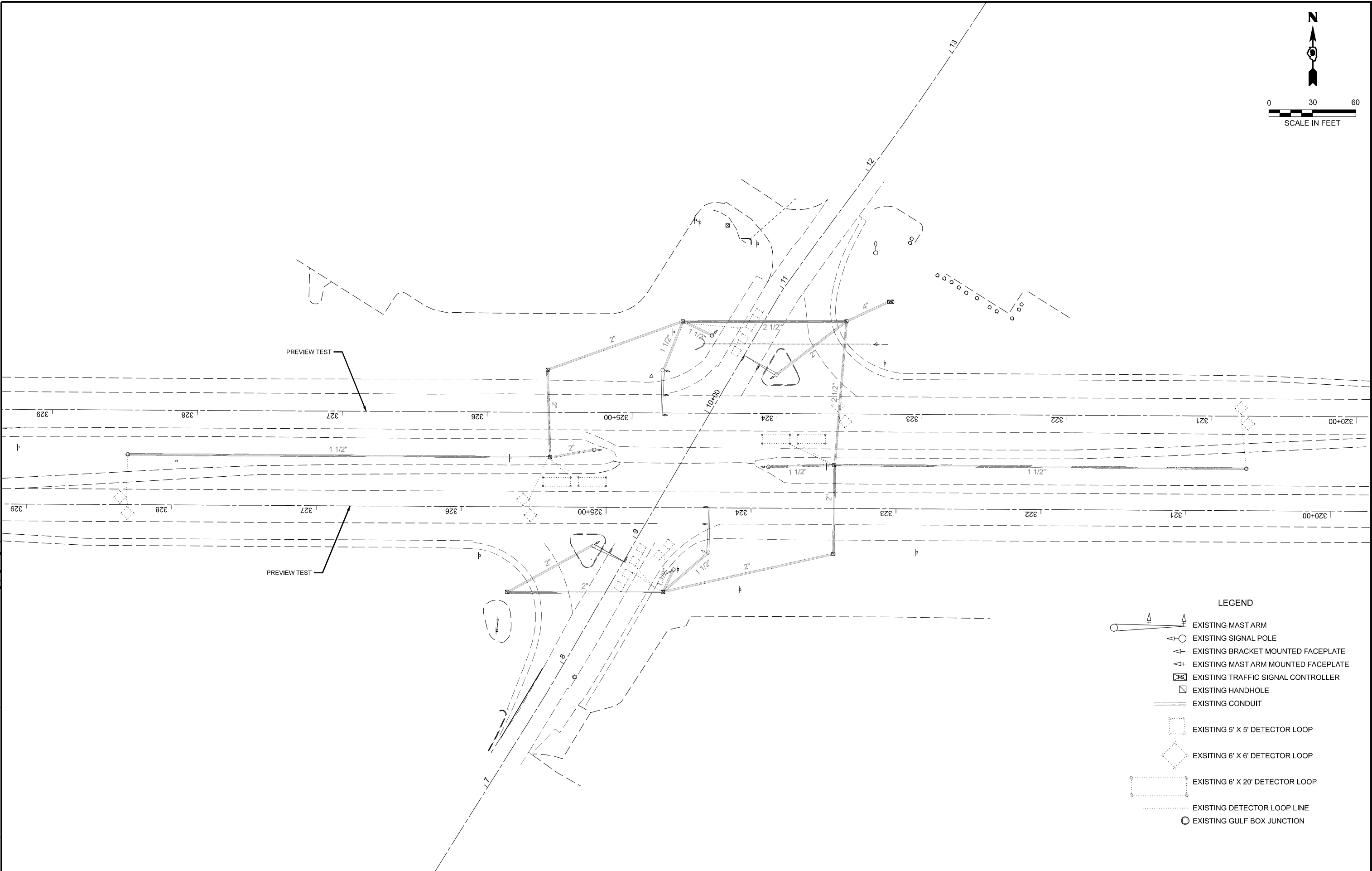
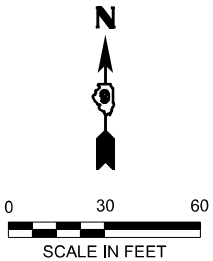
USER NAME = Jared,Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL

SCALE:	SHEET 39	OF 80	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	39
		CONTRACT NO. 78A16		
ILLINOIS		FED. AID PROJECT		

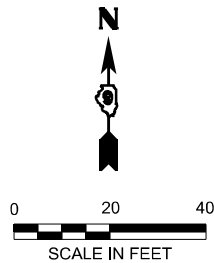
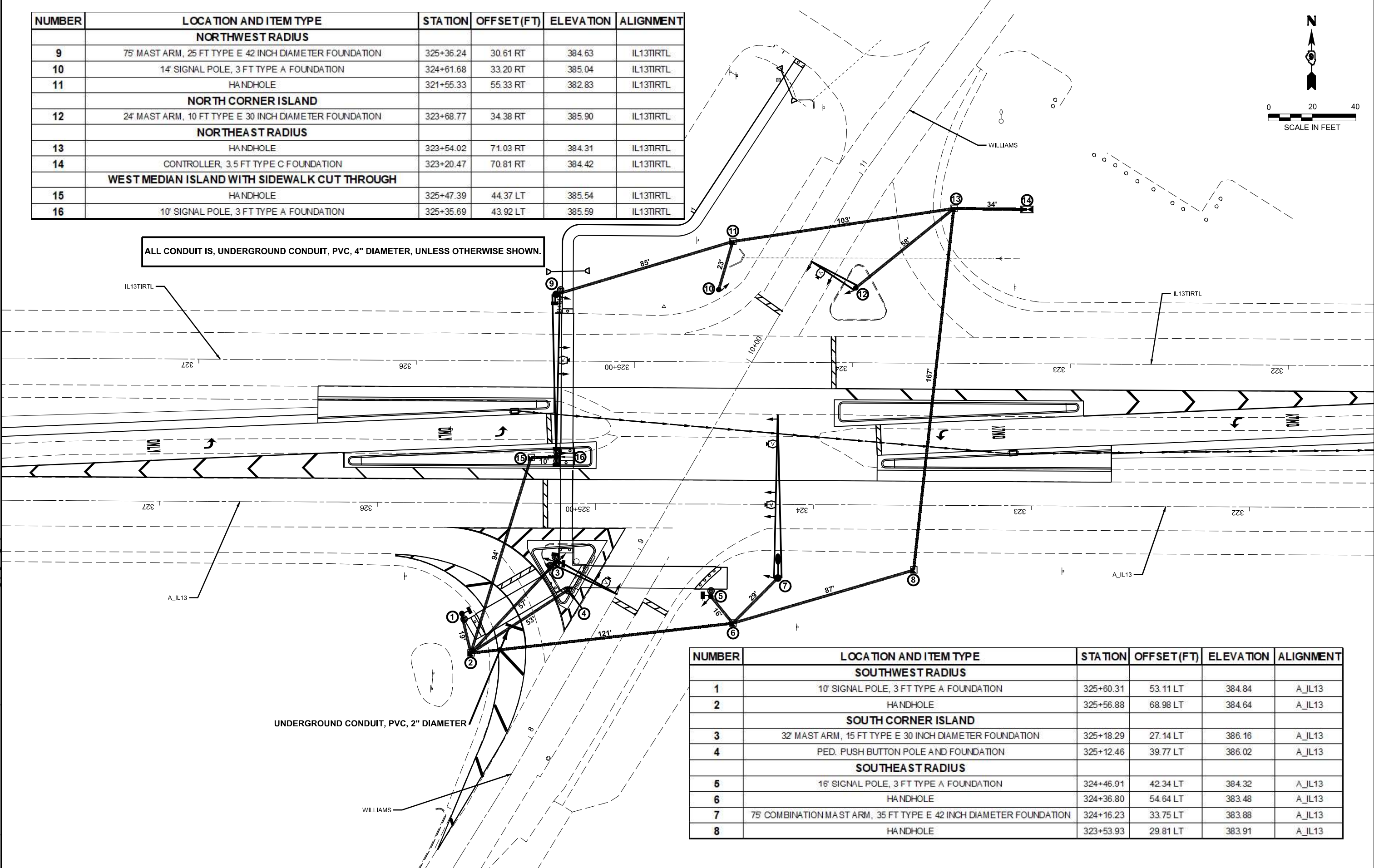


- LEGEND
- EXISTING MAST ARM
 - EXISTING SIGNAL POLE
 - EXISTING BRACKET MOUNTED FACEPLATE
 - EXISTING MAST ARM MOUNTED FACEPLATE
 - EXISTING TRAFFIC SIGNAL CONTROLLER
 - EXISTING HANDHOLE
 - EXISTING CONDUIT
 - EXISTING 5' X 5' DETECTOR LOOP
 - EXISTING 6' X 6' DETECTOR LOOP
 - EXISTING 6' X 20' DETECTOR LOOP
 - EXISTING DETECTOR LOOP LINE
 - EXISTING GULF BOX JUNCTION

MODEL: Signal_2 (Sheet) FILE NAME: p:\projects\78A16\CADD\Drawings\DOT Office\District 9\ORD Projects\78A16\CADD\Drawings\DOTA15-StraTraffic_Signal_Details_30.dgn	USER NAME = Jared,Harp		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNALS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.		DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	40
	PLOT DATE = 8/8/2024		CHECKED -	REVISED -						CONTRACT NO. 78A16				
			DATE -	REVISED -		SCALE:	SHEET 40	OF 80	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

NUMBER	LOCATION AND ITEM TYPE	STATION	OFFSET (FT)	ELEVATION	ALIGNMENT
NORTHWEST RADIUS					
9	75' MAST ARM, 25 FT TYPE E 42 INCH DIAMETER FOUNDATION	325+36.24	30.61 RT	384.63	IL13TIRTL
10	14' SIGNAL POLE, 3 FT TYPE A FOUNDATION	324+61.68	33.20 RT	385.04	IL13TIRTL
11	HANDHOLE	321+55.33	55.33 RT	382.83	IL13TIRTL
NORTH CORNER ISLAND					
12	24' MAST ARM, 10 FT TYPE E 30 INCH DIAMETER FOUNDATION	323+68.77	34.38 RT	385.90	IL13TIRTL
NORTHEAST RADIUS					
13	HANDHOLE	323+54.02	71.03 RT	384.31	IL13TIRTL
14	CONTROLLER, 3.5 FT TYPE C FOUNDATION	323+20.47	70.81 RT	384.42	IL13TIRTL
WEST MEDIAN ISLAND WITH SIDEWALK CUT THROUGH					
15	HANDHOLE	325+47.39	44.37 LT	385.54	IL13TIRTL
16	10' SIGNAL POLE, 3 FT TYPE A FOUNDATION	325+35.69	43.92 LT	385.59	IL13TIRTL

ALL CONDUIT IS, UNDERGROUND CONDUIT, PVC, 4" DIAMETER, UNLESS OTHERWISE SHOWN.



NUMBER	LOCATION AND ITEM TYPE	STATION	OFFSET (FT)	ELEVATION	ALIGNMENT
SOUTHWEST RADIUS					
1	10' SIGNAL POLE, 3 FT TYPE A FOUNDATION	325+60.31	53.11 LT	384.84	A_IL13
2	HANDHOLE	325+56.88	68.98 LT	384.64	A_IL13
SOUTH CORNER ISLAND					
3	32' MAST ARM, 15 FT TYPE E 30 INCH DIAMETER FOUNDATION	325+18.29	27.14 LT	386.16	A_IL13
4	PED. PUSH BUTTON POLE AND FOUNDATION	325+12.46	39.77 LT	386.02	A_IL13
SOUTHEAST RADIUS					
5	16' SIGNAL POLE, 3 FT TYPE A FOUNDATION	324+46.91	42.34 LT	384.32	A_IL13
6	HANDHOLE	324+36.80	54.64 LT	383.48	A_IL13
7	75' COMBINATION MAST ARM, 35 FT TYPE E 42 INCH DIAMETER FOUNDATION	324+16.23	33.75 LT	383.88	A_IL13
8	HANDHOLE	323+53.93	29.81 LT	383.91	A_IL13

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	DRAWN -	REVISED -
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PLOT DATE = 8/8/2024	DATE -	REVISED -

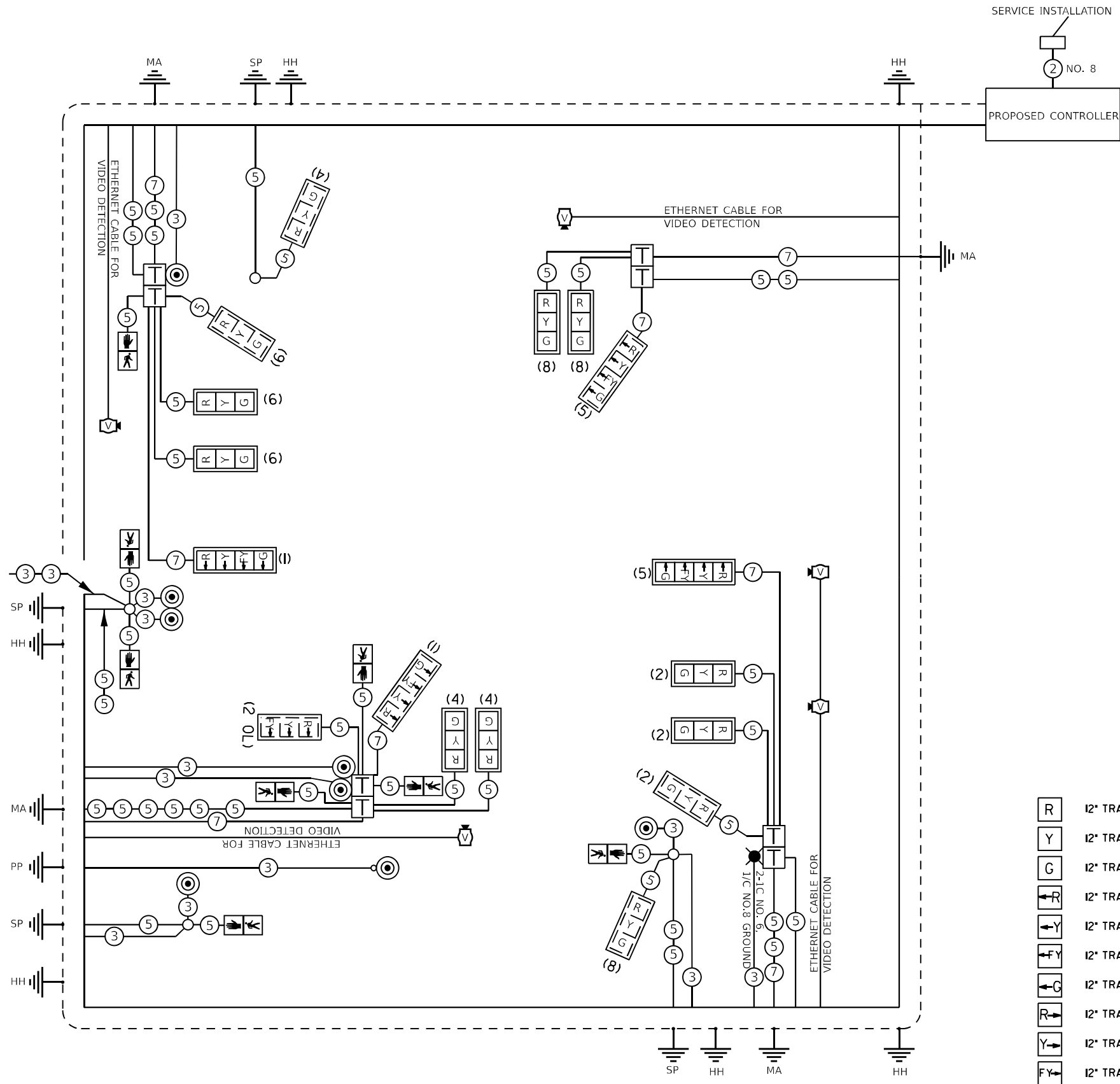
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNALS

SCALE: SHEET 41 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	41
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: Signal_Wiring_2 (Sheet)
FILE NAME: p:\projects\78A16\CADD\Drawings\DOT Office\Drawings\78A16-StraTraffic-Signal Details_20.dgn



NOTES

ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
ELECTRIC SERVICE IS SUPPLIED BY AMEREN IL.
ELECTRIC CABLE DENOTED AS 2-1C NO. 6 1/C NO.8 GROUND BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPICED IN POLE. SEE STEEL COMB. MAST ARM ASSEMBLY AND POLE DETAIL.
PROPOSED COAXIAL CABLE AND ANTENNA INCLUDED IN THE COST OF RADIO TRANSCEIVER.
ALL SIGNAL LENSES SHALL BE 12 INCHES.
SEE LIGHTING DETAIL SHEETS FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE

DRAWING NOT TO SCALE

LEGEND

SIGNAL HEAD, LED, I-FACE, 3 SECTION, MAST ARM MOUNTED (W/ TRAFFIC SIGNAL BACKPLATE, RETROFLECTIVE)

SIGNAL HEAD, LED, I-FACE, 3 SECTION, BRACKET MOUNTED (W/ TRAFFIC SIGNAL BACKPLATE, RETROFLECTIVE)

SIGNAL HEAD, LED, I-FACE, 4 SECTION, MAST ARM MOUNTED (W/ TRAFFIC SIGNAL BACKPLATE, RETROFLECTIVE)

SIGNAL HEAD, LED, I-FACE, 4 SECTION, BRACKET MOUNTED (W/ TRAFFIC SIGNAL BACKPLATE, RETROFLECTIVE)

ACCESSIBLE PEDESTRIAN SIGNALS

PEDESTRIAN SIGNAL HEAD

VIDEO/RADAR DETECTION SENSOR TO BE PAID FOR AS VIDEO VEHICLE DETECTION SYSTEM, AND RADAR VEHICLE DETECTION SYSTEM

TERMINAL BLOCK

SINGLE LUMINAIRE, NUMBER INDICATED ON DRAWING DENOTES FIXTURE NUMBER

TRAFFIC SIGNAL CONTROLLER CABINET

NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE

NUMBER IN PARENTHESIS INDICATES PHASE

MA - MAST ARM

HH - HANDHOLE

SP - SIGNAL POLE

PP - PEDESTRIAN PUSH BUTTON POST

- 12" TRAFFIC SIGNAL SECTION. - SOLID RED
- 12" TRAFFIC SIGNAL SECTION. - SOLID YELLOW
- 12" TRAFFIC SIGNAL SECTION. - SOLID GREEN
- 12" TRAFFIC SIGNAL SECTION. - LEFT TURN RED
- 12" TRAFFIC SIGNAL SECTION. - LEFT TURN YELLOW
- 12" TRAFFIC SIGNAL SECTION. - LEFT TURN FLASHING YELLOW
- 12" TRAFFIC SIGNAL SECTION. - LEFT TURN GREEN
- 12" TRAFFIC SIGNAL SECTION. - RIGHT TURN RED
- 12" TRAFFIC SIGNAL SECTION. - RIGHT TURN YELLOW
- 12" TRAFFIC SIGNAL SECTION. - RIGHT TURN FLASHING YELLOW

USER NAME = Jared, Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 8/8/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED WIRING DIAGRAM

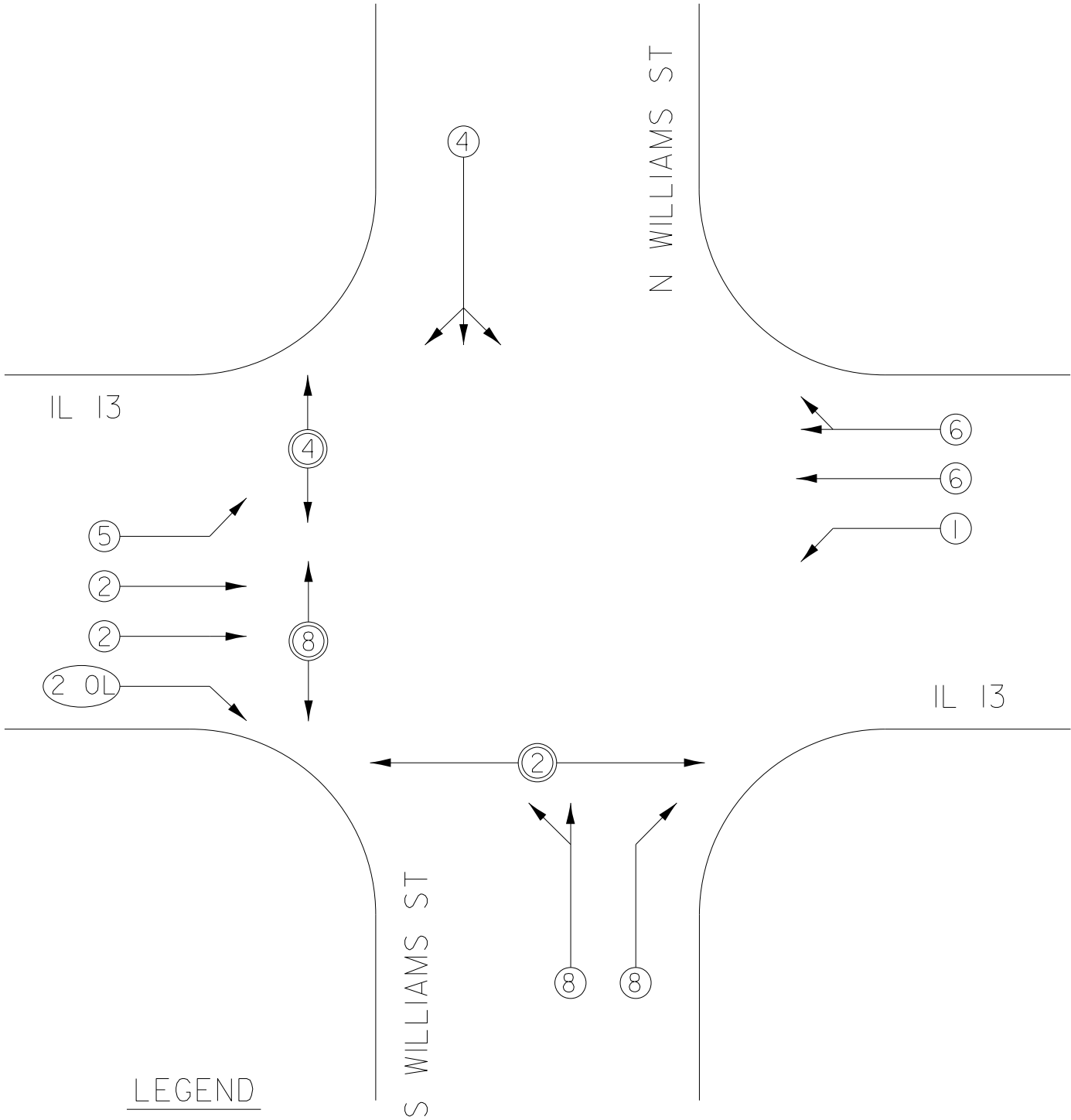
SCALE: SHEET 42 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	42
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM
IL 13 & WILLIAMS ST



DRAWING NOT TO SCALE



LEGEND

-  VEHICULAR MOVEMENT
-  PEDESTRIAN MOVEMENT
-  NUMBER REFERS TO ASSOCIATED PHASE

REFERRING TO STANDARD 857001, THE
VEHICULAR AND PEDESTRIAN PHASES
USED ARE DESIGNATED AS SHOWN

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	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PHASE DESIGNATION DIAGRAM			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

MODEL: Lighting_1 [Sheet]
FILE NAME: p:\projects\illinois\dot\office\District 9\CRD Projects\78A16\CADData\CADsheets\078A16-Std Lighting Details.dgn

S.P. COLUMN

- * INDICATES SPECIAL PROVISION
- ** INDICATES SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

HIGHWAY STANDARDS

821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V
830006-05	LIGHT POLE ALUMINUM DAVIT ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES

LIGHTING SUMMARY OF QUANTITIES

S.P.	PAY ITEM	DESCRIPTION	UNIT	QUANTITY
	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	485
	81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3,095
	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	100
	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	200
**	82110009	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	17
	82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
	83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	16
	83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	16
	83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	64
	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	11
	84200804	REMOVAL OF POLE FOUNDATION	EACH	11
	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
	84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
	84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
*	X1400267	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	4

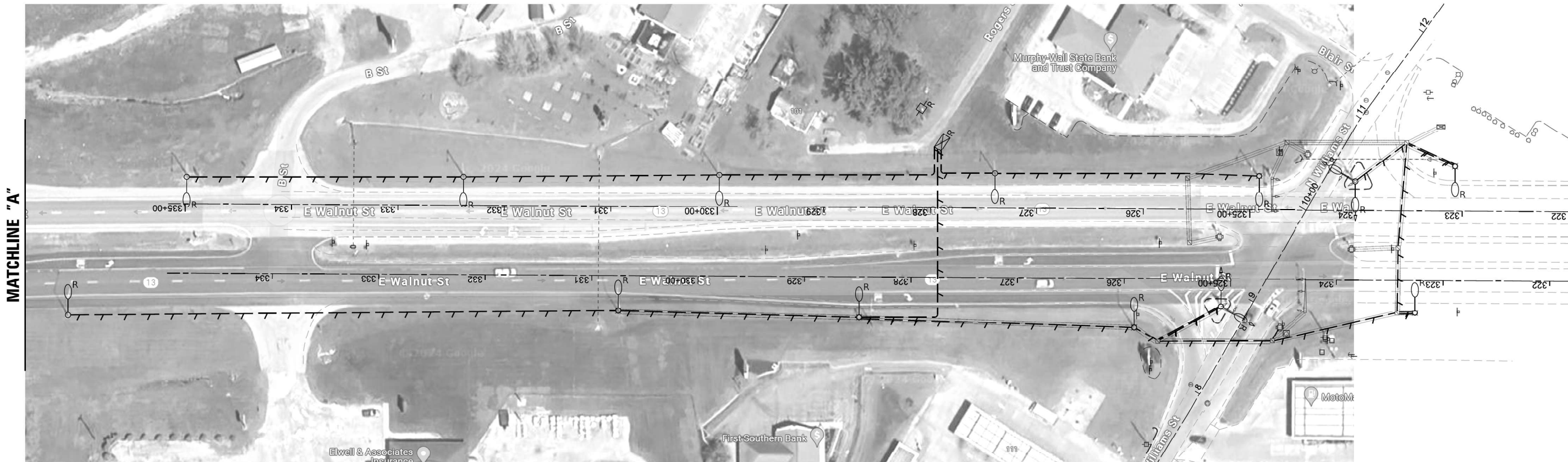
INDEX OF SHEETS

- 1 LIGHTING LEGEND, GENERAL NOTES, & LIGHTING INDEX OF SHEETS
- 2 LIGHTING REMOVAL PLANS
- 3 PROPOSED LIGHTING PLANS
- 4 LUMINAIRES PERFORMANCE TABLE
- 5 WIRING DIAGRAMS

	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HIGHWAY LIGHTING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 8/8/2024	DATE -	REVISED -		SCALE:	SHEET 44	OF 80 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

- LIGHTING LEGEND**
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  TENON TWIN-BRACKET ARM AND LUMINAIRES TO BE REMOVED FROM EXISTING COMBINATION MAST ARM AND POLE

-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING CABLE TO BE REMOVED
-  EXISTING LIGHTING CONTROLLER TO BE REMOVED
-  EXISTING ELECTRIC SERVICE TO BE REMOVED



MODEL: Lighting_2 [Sheet]
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USER NAME	= Jared,Harp	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/8/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING HIGHWAY LIGHTING

SCALE: SHEET 45 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	45
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

LIGHTING LEGEND

- 

PROPOSED GROUND MOUNTED LIGHTING UNIT
ALUMINUM, 40' M.H., 15' D.A., LED LUMINAIRE, 240V,
WITH 15" B.C. ON 8' 5/8" X 6" METAL FOUNDATION AND
BREAKAWAY COUPLINGS WITH STAINLESS STEEL SCREEN
- 

PROPOSED COMBINATION MAST ARM AND POLE
LED LUMINAIRE, 240V, 45' M.H., 15' M.A. ON STEEL COMBINATION
MAST ARM AND POLE (SEE TRAFFIC SIGNAL PLANS)
- 

PROPOSED ELECTRIC SERVICE INSTALLATION
120/240 V, 60 AMP, 1-PHASE, 3-WIRE
- 

PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED
120/240 V, 60 AMP, 1-PHASE, 3-WIRE (SEE NOTE 1)
- 

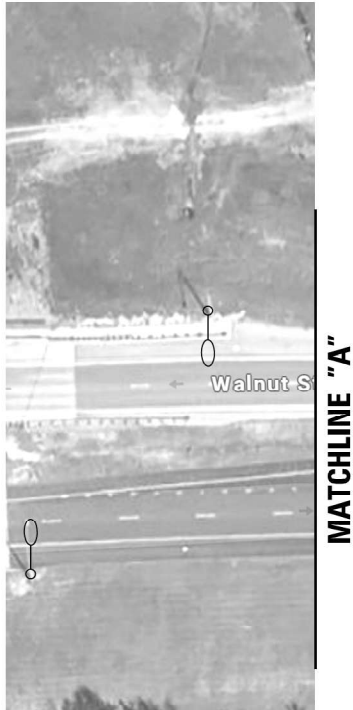
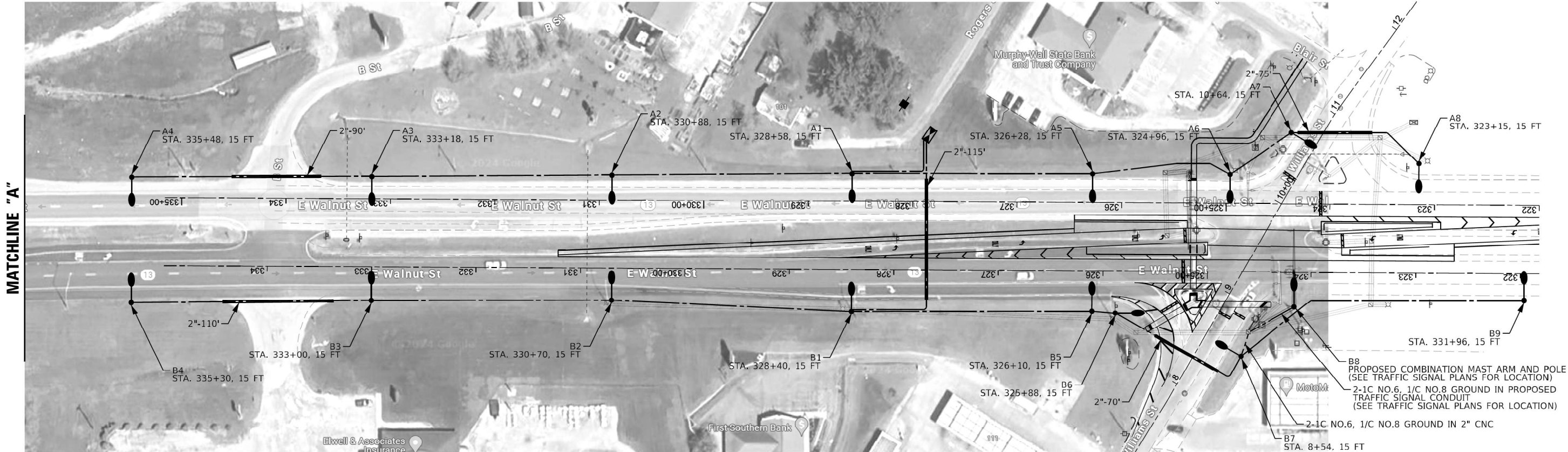
PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND,
(XLP-TYPE USE), 1" DIA. POLYETHYLENE, UNLESS OTHERWISE NOTED
- 

PROPOSED UNDERGROUND CONDUIT CASING, CNC, 2" DIA.
- 

EXISTING LIGHTING UNIT TO REMAIN

NOTES:

- NEW LIGHTING CONTROLLER TO BE INSTALLED 5'-0" FROM EXISTING LIGHTING CONTROLLER AND 10'-0" BEHIND EDGE OF GRAVEL ROAD.
- ALL SETBACKS ARE MEASURED FROM EDGE OF PAVEMENT (WHITE LINE).



MATCHLINE "A"

USER NAME	= Jared,Harp	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/8/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY LIGHTING

SCALE: SHEET 46 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	46
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I

Project

Date	Contract Number	Section Number	County
06-04-2024	78A16		JACKSON
Marked Route Number		Municipality	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	0-Zero Value
10 ft	5	0 ft	R3	0.07

Structure

Mounting Height	Arm Length	Set Back	Number of Luminaires (Highmast & Sign Lighting Only)
40 ft	15 ft	15 ft	N/A

Luminaire

Description	I.E.S. Transverse Distribution	I.E.S. Lateral Distribution	
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	TYPE III	MEDIUM	
Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0.7	U = 0	N/A	0-10V

Layout

Spacing (to Nearest 5 Ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
250 ft	Two Rows, Opposite, with Median

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}		
≥ 1.4	$\leq 3.0:1$		
Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_v/L_{MIN}
≥ 1.0	$\leq 3.0:1$	$\leq 5.0:1$	$\leq 0.3:1$

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
N/A	N/A	N/A

Notes

- Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.
- Lighting calculations shall be performed in one direction only.
- Compliance with performance criteria shall be held to one significant digit.
- Nominal lumen output of 34,000.

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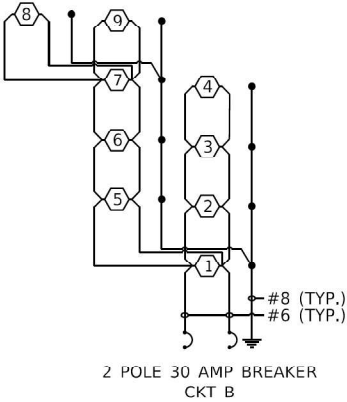
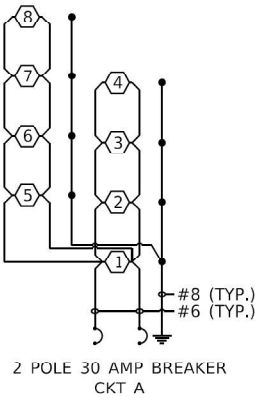
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	PLOT DATE = 8/8/2024	CHECKED -	REVISED -		SCALE: SHEET 47 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

ROADWAY LUMINAIRE, LED

GROUND ROD



PROPOSED LIGHTING CONTROLLER
PEDESTAL MOUNTED, 240 VOLT, 60 AMP

MODEL: Lighting_2 [Sheet]
FILE NAME: p:\projects\78A16\CADDData\CADDsheets\078A16-Std Lighting_Details.dgn

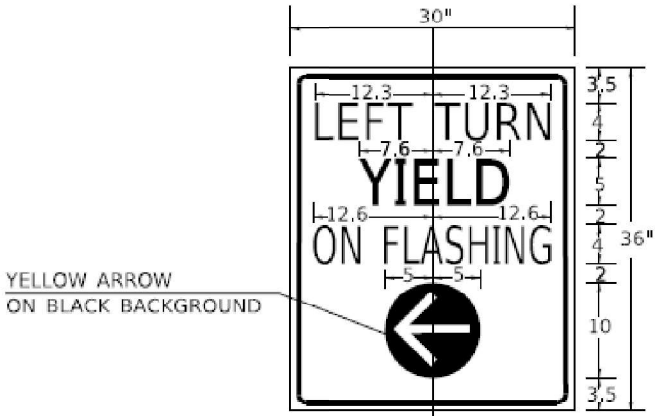
	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HIGHWAY LIGHTING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.	DRAWN -	REVISED -					331	(12-1)TS-2	JACKSON	80	48
	PLOT DATE = 8/8/2024	CHECKED -	REVISED -		SCALE: SHEET 48 OF 80 SHEETS STA. TO STA.			CONTRACT NO. 78A16				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

SIGN DETAILS

"ILLINOIS 13" SIGN
48" X 18" SIGN, 8" LETTERS, FONT T2000 HWYC
BORDER 0.7" EDGE TO EDGE WITH 1.75" RADIUS



"WILLIAMS ST" SIGN
60" X 18" SIGN, 8" LETTERS, FONT T2000 HWYC
BORDER 0.7" EDGE TO EDGE WITH 1.75" RADIUS

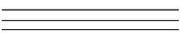


LT YIELD ON FYA

SIGN BACKGROUND: WHITE
SIGN LETTERING: BLACK
SIGN SHEETING: AP
SIGN NAME: LT TURN YIELD ON FYA

SHORT TERM PAVEMENT MARKING DETAIL

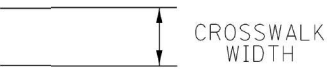
STOP BARS & RAILROAD STOP BARS 3 - 4" LINES (LANE WIDTH)



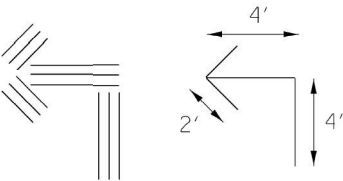
RAILROAD "R"
RAILROAD "X" 1 - 4" (14' TOTAL)
2 - 4" (40' PER "X")



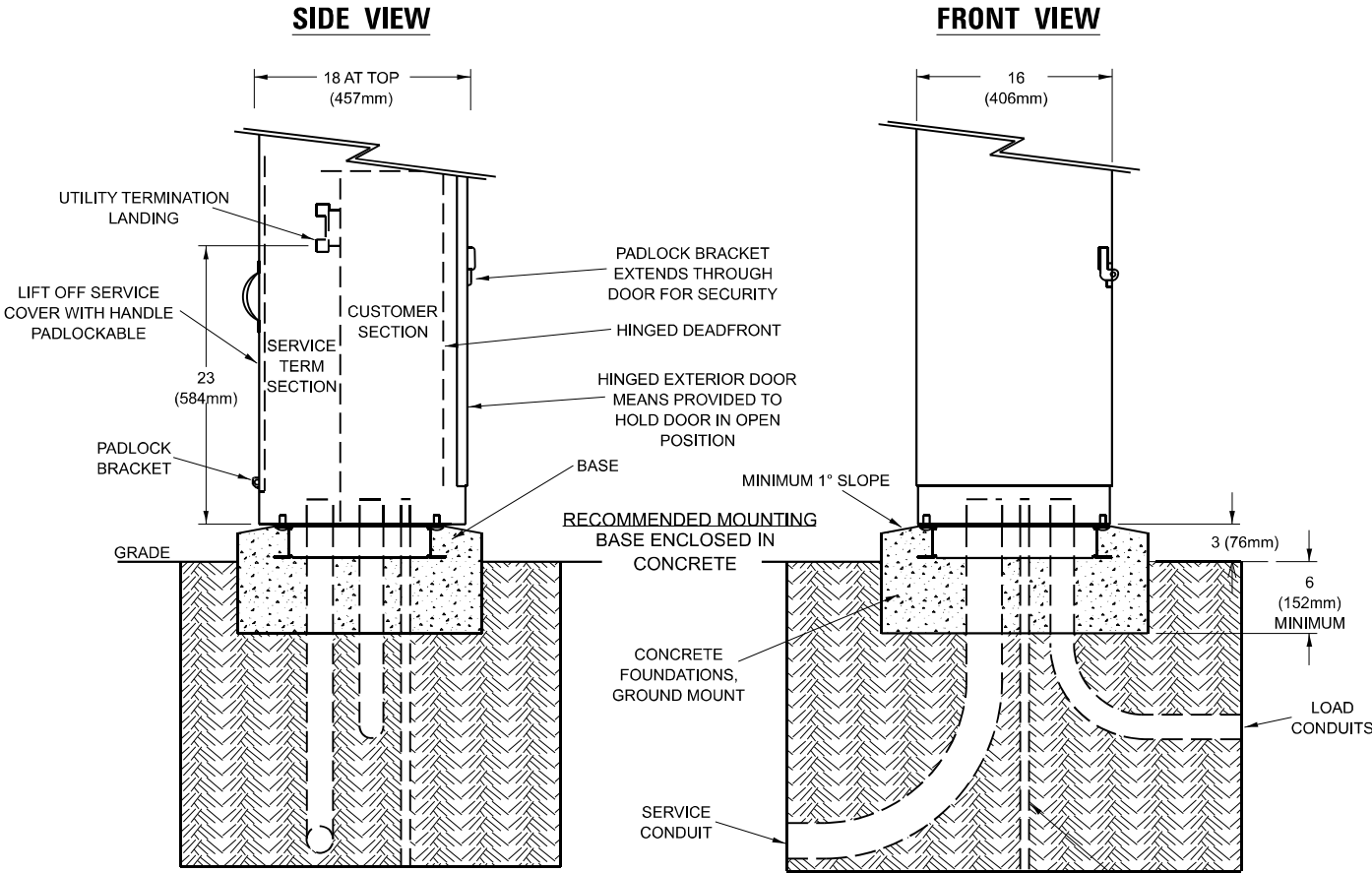
CROSSWALKS 2 - 4" LINES (ONE EACH SIDE OF CROSSWALK)



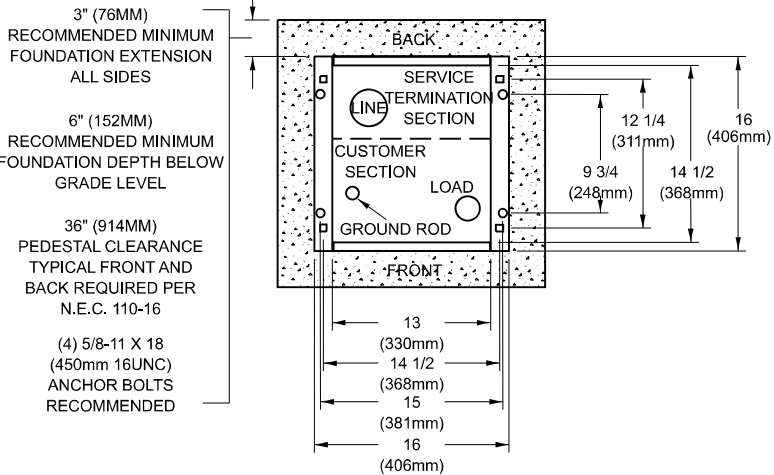
TURN LANE ARROWS 3 - 4" LINES FOR EACH SEGMENT (36' PER ARROW)



CABINET FOR SERVICE INSTALLATION GROUND MOUNT
AND CONCRETE FOUNDATIONS, GROUND MOUNT

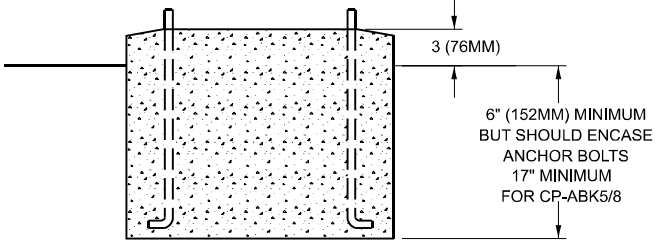


MOUNTING BASE DETAIL (TOP VIEW)



- PEDESTAL MOUNTING HOLES
- ANCHOR BOLT MOUNTING HOLES

OPTIONAL MOUNTING NO BASE, MOUNT DIRECTLY ON FOUNDATION



MODEL: Details_1 (Sheet)
FILE NAME: P:\DOT\Documents\DOT Office\District 9\ORD Projects\78A16\CADData\CAD sheets\0378A16-Sign-Detail.dgn

USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVISED	-
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/8/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS: SIGN DETAILS, SHORT TERM PAVEMENT MARKING DETAIL,
CABINET FOR SERVICE INSTALLATION GROUND MOUNT

SCALE: SHEET 49 OF 80 SHEETS STA. TO STA.

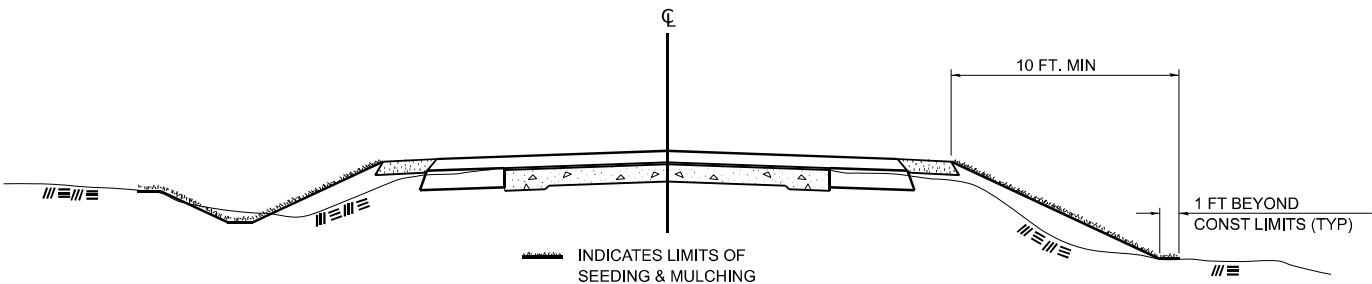
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	49
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

DRAWN	03-02-22
REVISED	05-27-22
REVISED	
REVISED	

STD. 9-27

THIS SPACE
INTENTIONALLY
LEFT BLANK

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 SEEDED SHALL BE CLASS 7.

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

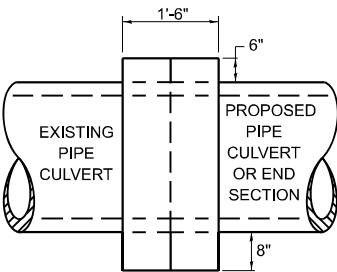
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

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

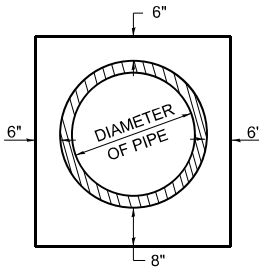
DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-19

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.

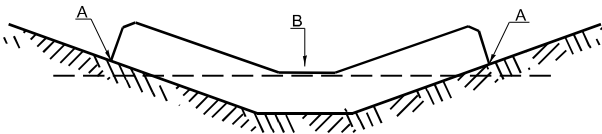
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

DRAWN	07-13-90
REVISED	03-26-08
REVISED	10-21-21
REVISED	05-03-22

STD. 9-02

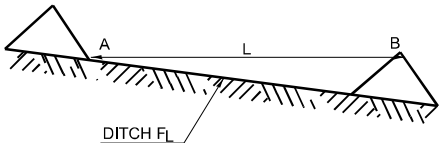
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY
DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

DRAWN	09-01-99
REVISED	05-08-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-28

MODEL: Detail_2 (Sheet)
FILE NAME: P:\Projects\78A16\CAD\Drawings\DOT Office\Detail_2\78A16-Std-Detail.dgn

USER NAME = Jared,Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS: SEEDING & MULCHING, CONCRETE COLLAR,
TEMPORARY DITCH CHECKS

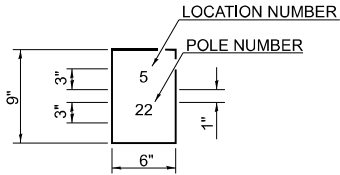
SCALE: SHEET 50 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	50
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

POLE STANDARDS

"INSTALL AND ORIENT ARM BRACKET OVER POLE TENON AND FIRMLY HAND TIGHTEN THE TWO SET SCREWS. USE THIRD HOLE IN ARM BRACKET AS A GUIDE TO DRILL A 2 1/64 DIAMETER HOLE THROUGH TENON. INSTALL AND TIGHTEN SELF-TAPPING SCREW. TIGHTEN SET SCREWS AN ADDITIONAL 1/4 TO 3/8 TURN WITH HEX KEY (NOT PROVIDED). INSTALL LOCKNUTS ON SET SCREWS IF THREADED PROJECTION ALLOWS."

POLE SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR 80 MPH WIND LOADING AND 90 LB, 4.0 SQ. FT E.P.A. LUMINAIRE.



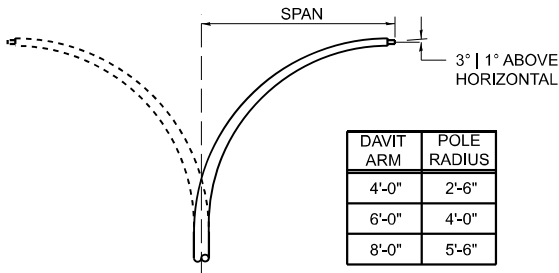
THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION OF EACH NEW LIGHT POLE, AS SHOWN ABOVE, INCIDENTAL TO THE RESPECTIVE LIGHT POLE PAY ITEM IN ACCORDANCE WITH ART, 1069.06

THE LIGHT POLE IDENTIFICATION SHALL BE APPLIED TO SIGN BASE MATERIAL AS SPECIFIED IN ART. 1069.06, APPROXIMATELY 7" ABOVE THE ADJACENT PAVEMENT GRADE VISIBLE TO APPROACHING TRAFFIC IN ACCORDANCE WITH HIGHWAY STANDARD 720001.

TWIN TENON

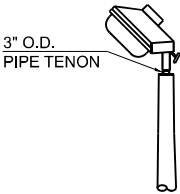
TENON MOUNT BRACKET ARM

NOTE: SINGLE OR TWIN ARM ASSEMBLY SHALL BE TILTED 3° ABOVE HORIZONTAL.

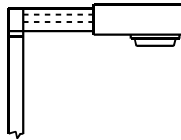


DAVIT ARM (AND OR)

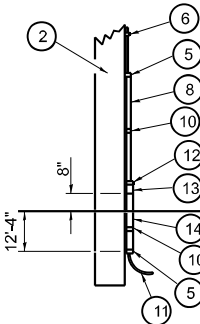
DAVIT ARM-TWIN



TENON



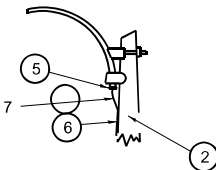
SHORT BRACKET



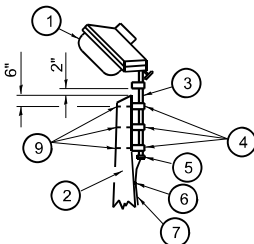
DETAILS FOR UNDERGROUND DISTRIBUTION IF REQUIRED

POLE, WOOD

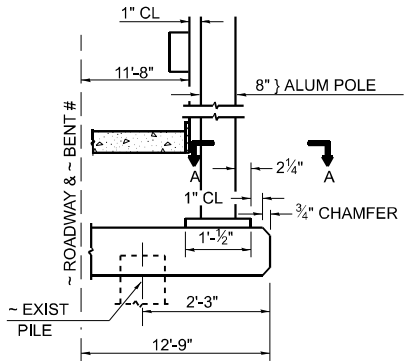
POLE LENGTH	DEPTH IN GROUND
65'-0"	12'-0"
60'-0"	10'-0"
55'-0"	9'-0"
50'-0"	8'-0"
45'-0"	7'-0"
40'-0"	6'-6"
35'-0"	6'-0"
30'-0"	5'-6"



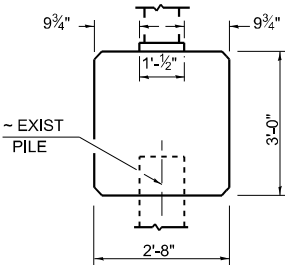
MAST ARM



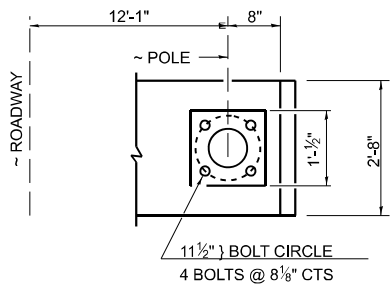
TENON



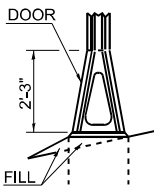
BENT # (LOOKING)



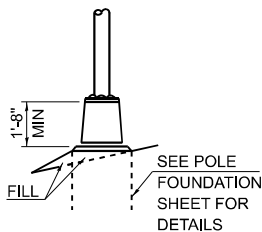
BRIDGE PIER MOUNT



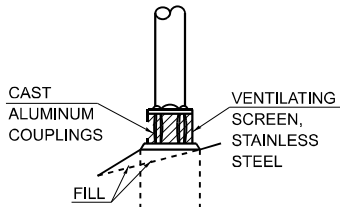
SECTION A-A



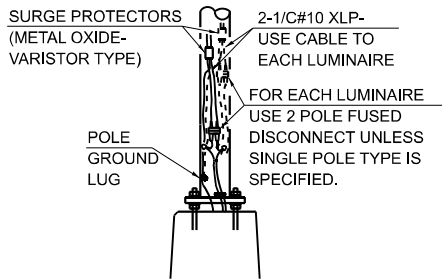
STAINLESS STEEL FLAIR BASE



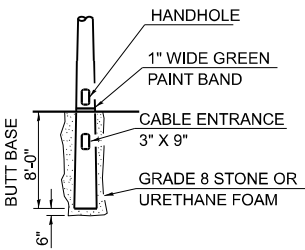
TRANSFORMER BASE FRANGIBLE



BREAKAWAY COUPLING



ANCHOR



BUTT BASE

- 1 LUMINAIRE
- 2 WOOD POLE, CLASS 3 OR BETTER
- 3 2 1/2" GALV. STEEL CONDUIT
- 4 SINGLE OFFSET POLE BAND
- 5 CONDUIT BUSHING
- 6 CABLE CLAMPS ON 2' CENTERS
- 7 2/C #12 TYPE USE CABLE
- 8 1" GALV. STEEL CONDUIT 10' IN LENGTH
- 9 5/8" Ø HOT DIPPED GALVANIZED BOLT WITH FLAT WASHER & LOCKNUT (3 REQ'D)
- 10 CONDUIT CLAMPS ON 3' CENTERS
- 11 UNIT DUCT
- 12 THREADED REDUCER
- 13 "C" CONDULET, THREADED
- 14 1 1/2" GALV. STEEL CONDUIT FOR 1 UNIT DUCT OR 3" GALV. STEEL CONDUIT FOR 2 OR 3 UNIT DUCTS.

STD. 9-12

DRAWN	02-09-01
REVISED	05-06-08
REVISED	10-21-21
REVISED	05-04-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS: POLE STANDARDS

SCALE: SHEET 51 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	51
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
District 9

SOIL BORING LOG

Page 1 of 2

Date 4/18/24

ROUTE IL 13 DESCRIPTION Mast Arm FDN Murphysboro LOGGED BY L. Estel

SECTION (12-1)TS-2 LOCATION SE Quad. of IL 13/Williams St, SEC. 3, TWP. 9S, RNG. 2W, PM

COUNTY Jackson DRILLING METHOD HSA (8" OD; 3.25" ID) HAMMER TYPE Auto SPT 140 lbs

STRUCT. NO.	DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
Station	(ft)	(tsf)	(%)		ft	ft	ft	ft	ft	ft
1-MA										
323+90										
33.0ft Lt										
382.4										
Stiff Brown mottled Grey, Moist SILTY CLAY										
To convert "N" values to "N60", multiply by 1.39; Hammer efficiency = 83.4%										
Ground surface elevation referenced to USGS monument in front of bank on south side of IL 13 by Circle K; EL. 385.02										
372.90										
Soft Brown, Moist to V. Moist SILTY LOAM										
367.90										
Stiff Brown, Moist SILT CLAY LOAM										
365.40										
Soft Grey, Moist SILTY LOAM										
362.90										
Medium Stiff Grey, Moist SILT										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
District 9

SOIL BORING LOG

Page 1 of 1

Date 7/15/24

ROUTE IL 13 DESCRIPTION Mast Arm FDN Murphysboro LOGGED BY L. Estel

SECTION (12-1)TS-2 LOCATION SW Quad. of IL 13/Williams St, SEC. 3, TWP. 9S, RNG. 2W, PM

COUNTY Jackson DRILLING METHOD HSA (8" OD; 3.25" ID) HAMMER TYPE Auto SPT 140 lbs

STRUCT. NO.	DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
Station	(ft)	(tsf)	(%)		ft	ft	ft	ft	ft	ft
3-MA										
325+09										
31.0ft LT										
385.9										
Cored median, 5" CONCRETE MEDIAN SURFACE over 12" AGGREGATE										
Medium Stiff, Grey and Tan moist CLAY										
Stiff Grey and Tan, Moist CLAY										
Very Stiff Grey, Moist CLAY										
Soft Grey, Moist SILTY LOAM										
Very Soft Brown, Very Moist SILTY LOAM										
Stiff Brownish Grey, Moist SILTY CLAY LOAM										
Medium Stiff Brown, Moist SILTY CLAY										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

MODEL: Details_1 (Sheet)
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Latitude 37.765339 Longitude -89.3170020 Datum NAD83 Job Number

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Latitude 37.7653427 Longitude -89.3174033 Datum NAD83 Job Number

USER NAME = Jared, Harp	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS: SOIL BORINGS

SCALE: SHEET 52 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	52
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
District 9

SOIL BORING LOG

Page 1 of 1

Date 7/15/24

ROUTE IL 13 DESCRIPTION Mast Arm FDN Murphysboro LOGGED BY L. Estel

SECTION (12-1)TS-2 LOCATION NE Quad. of IL 13/Williams St, SEC. 3, TWP. 9S, RNG. 2W, PM

COUNTY Jackson DRILLING METHOD HSA (8" OD; 3.25" ID) HAMMER TYPE Auto SPT 140 lbs

STRUCT. NO.	DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
Station	(ft)	(tsf)	(%)		ft	ft	ft	ft	ft	ft
Cored median. 5" CONCRETE MEDIAN SURFACE and 12" AGGREGATE	384.48									
Medium Stiff Grey, Moist CLAY		1				363.90				
		2	0.8	38						
		2	B							
Medium Stiff Grey, Moist CLAY	381.40	1				361.40				
	-5	1	0.85	42						
		2	S							
Very Stiff Grey and Brown, Moist CLAY LOAM	378.90	1								
		2	2.0	39						
		4	B							
	-10	1								
		2	2.0	31						
		4	B							
Very Soft Brown, Very Moist SILTY CLAY LOAM	373.90	1								
		1	0.05	36						
		1	B							
Stiff Brown, Moist SILTY CLAY LOAM	371.40	1								
	-15	2	1.1	38						
		2	B							
Stiff Grey, Moist SILTY CLAY LOAM	368.90	1								
		1	1.0	44						
		2	B							
Soft Grey, Moist CLAY	366.40	woh								
	-20									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced By Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
District 9

SOIL BORING LOG

Page 1 of 1

Date 4/18/24

ROUTE IL 13 DESCRIPTION Mast Arm FDN Murphysboro LOGGED BY L. Estel

SECTION (12-1)TS-2 LOCATION NW Quad. of IL 13/Williams St, SEC. 3, TWP. 9S, RNG. 2W, PM

COUNTY Jackson DRILLING METHOD HSA (8" OD; 3.25" ID) HAMMER TYPE Auto SPT 140 lbs

STRUCT. NO.	DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
Station	(ft)	(tsf)	(%)		ft	ft	ft	ft	ft	ft
Stiff Grey, Moist SILTY LOAM										
		5				363.30				
		7	1.8	18						
		8	B							
Stiff Grey, Moist SILTY CLAY	380.80	1				360.80				
	-5	3	1.3	34						
		3	B							
Stiff Grey, Moist CLAY	378.30	3								
		4	1.9	36						
		5	B							
Stiff Greyish Brown, Moist CLAY	375.80	2				355.80				
	-10	3	1.9	28						
		5	B							
Very Soft Greyish Brown, Moist to Very Moist SILTY LOAM	373.30	1								
		1	0.1	31						
		2	B							
Very Soft Grey, Moist to Very Moist SILT to SILTY LOAM	370.80	WOH								
	-15	WOH	0.1							
		2	B							
Stiff Grey, Moist SILT to SILTY LOAM	368.30	1								
		1	1.8	35						
		3	B							
	-20	WOH								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced By Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

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Latitude 37.7657080 Longitude -89.3169466 Datum NAD83 Job Number

File Name S:\MATERIALS GEOTECHNICAL UNIT\GINT\PROJECTS\PROJECTS FILE\JACKSON 039\POINT LOCATIONS\78A16 TRAFFIC SIGNALS IL 13 & WILLIAMS ST MBORO 2024.GPJ Data Template D8TEMPLT.GDT Dat
Latitude 37.7656632 Longitude -89.3172702 Datum NAD83 Job Number

USER NAME = Jared.Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2024	DATE -	REVISED -

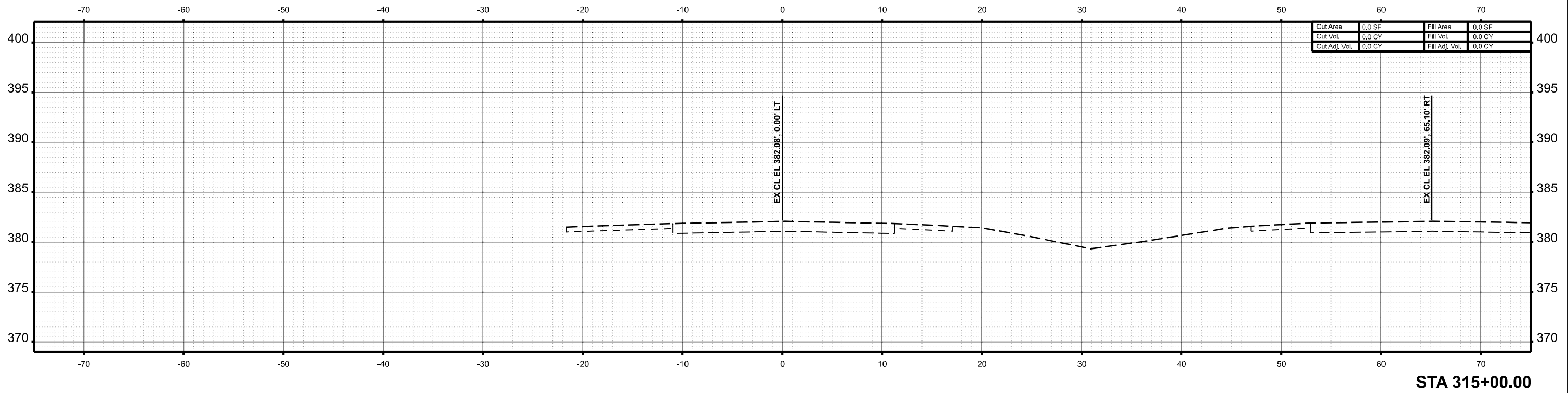
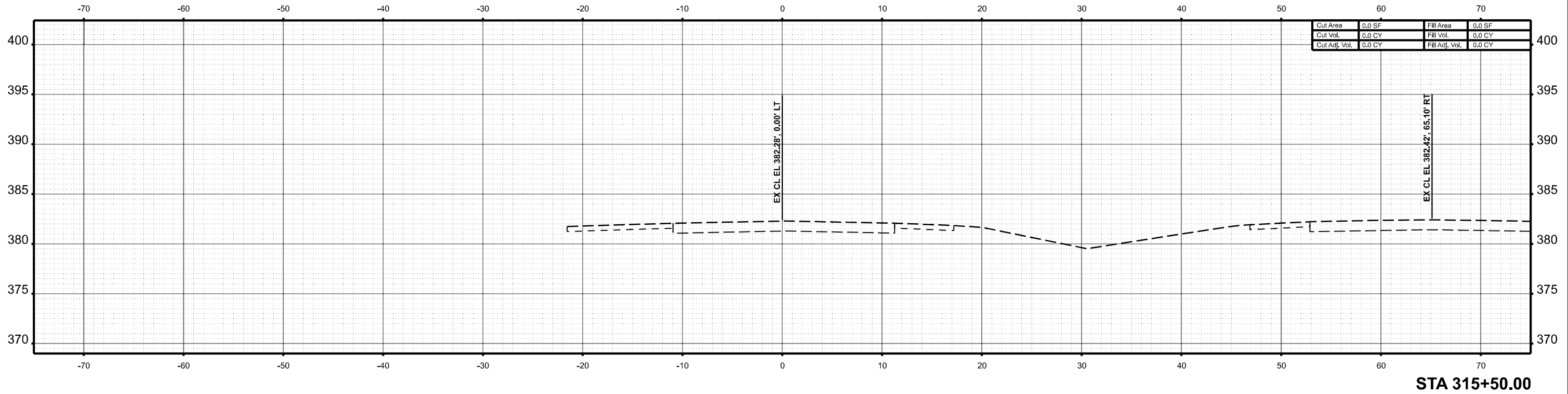
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS: SOIL BORINGS

SCALE: SHEET 53 OF 80 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	53
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

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	USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
	DRAWN	-	CHECKED	-	REVISED	-
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	PLOT DATE	= 8/9/2024				

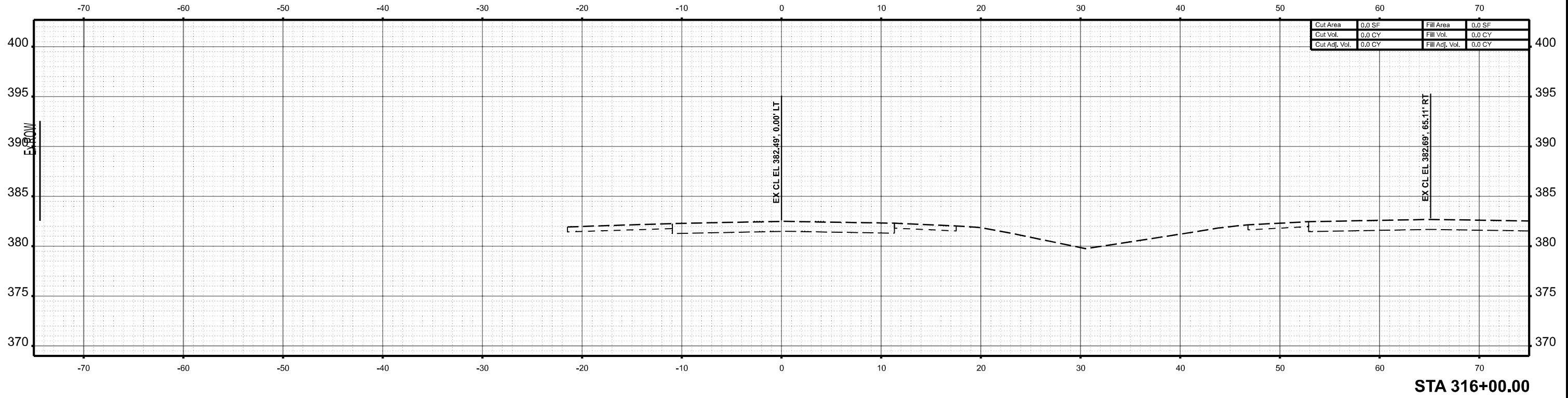
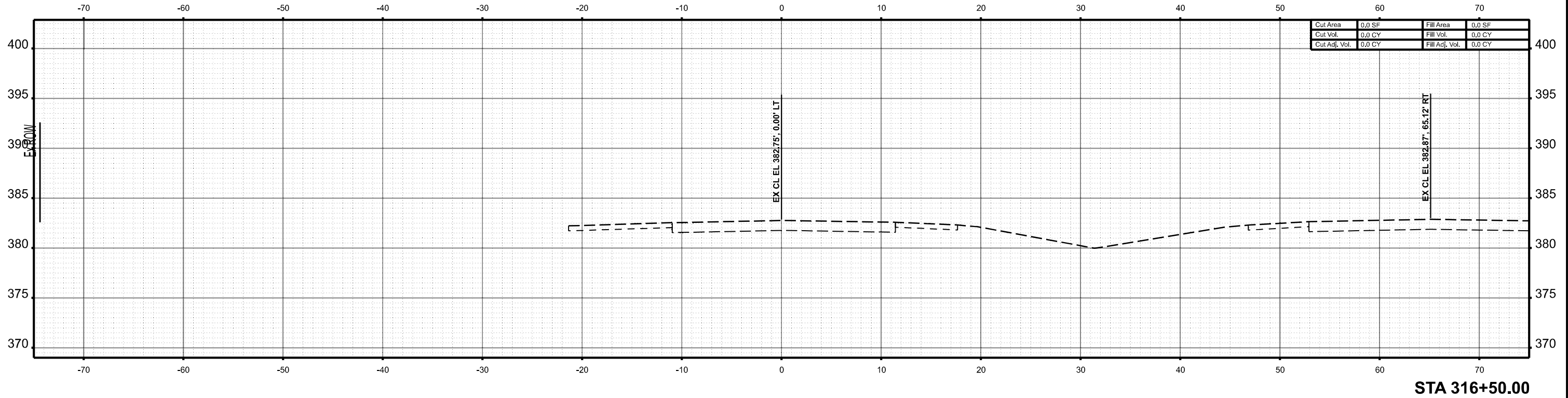
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 54 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	54
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_316+00.00 [Sheet]
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USER NAME	= Jared,Harp	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
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PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

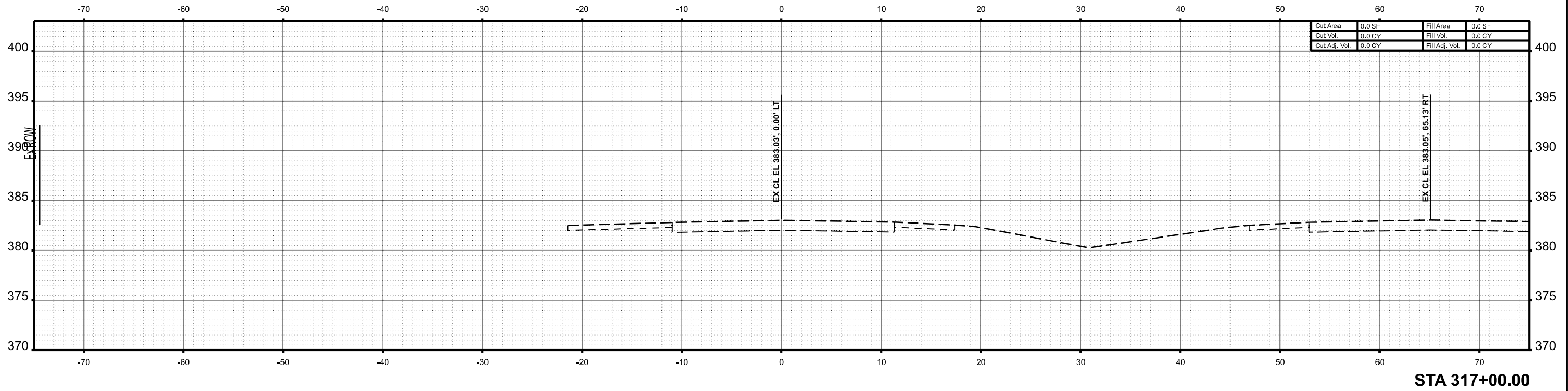
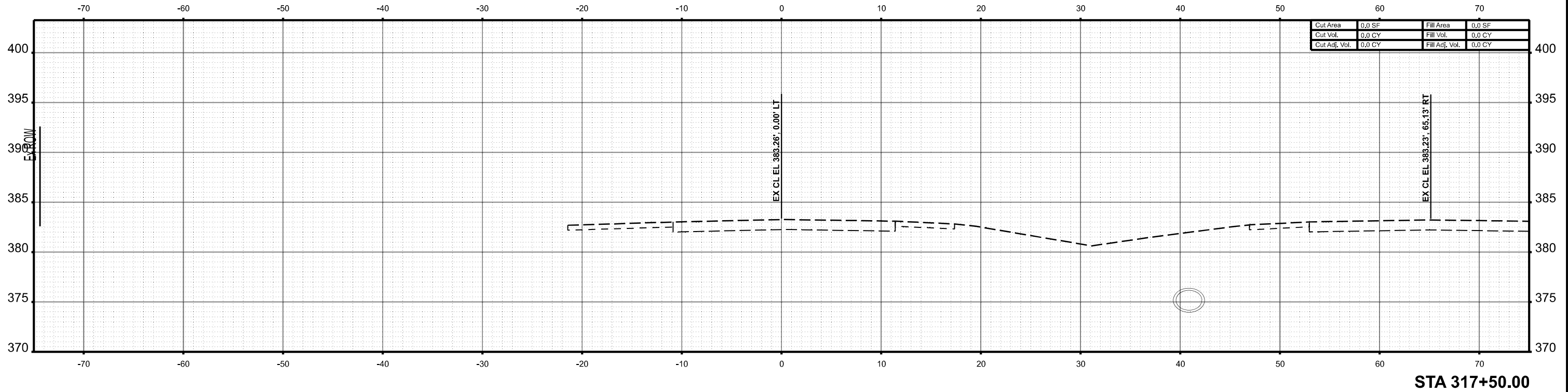
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 55 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	55
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_017-00.00 (Sheet)
FILE NAME: P:\PROJECTS\AID\AID\DOT\Documents\DOT Office\District 9\ORD Projects\78A16\CAD\Draw\CAD\SheetD078A16-SHALEW_CrossSections.dgn



USER NAME = Jared,Harp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/9/2024	DATE -	REVISED -

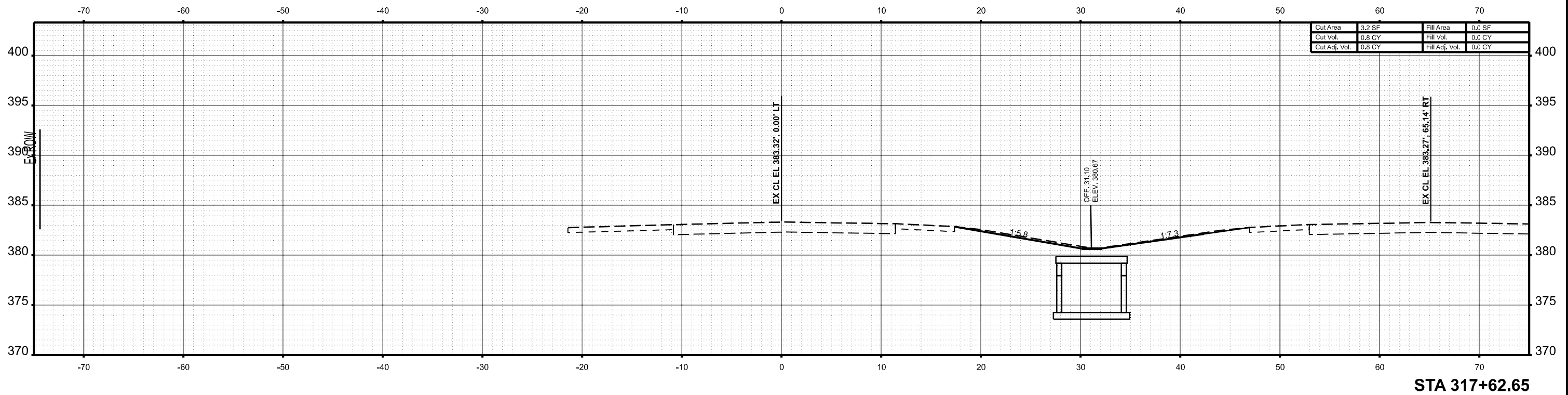
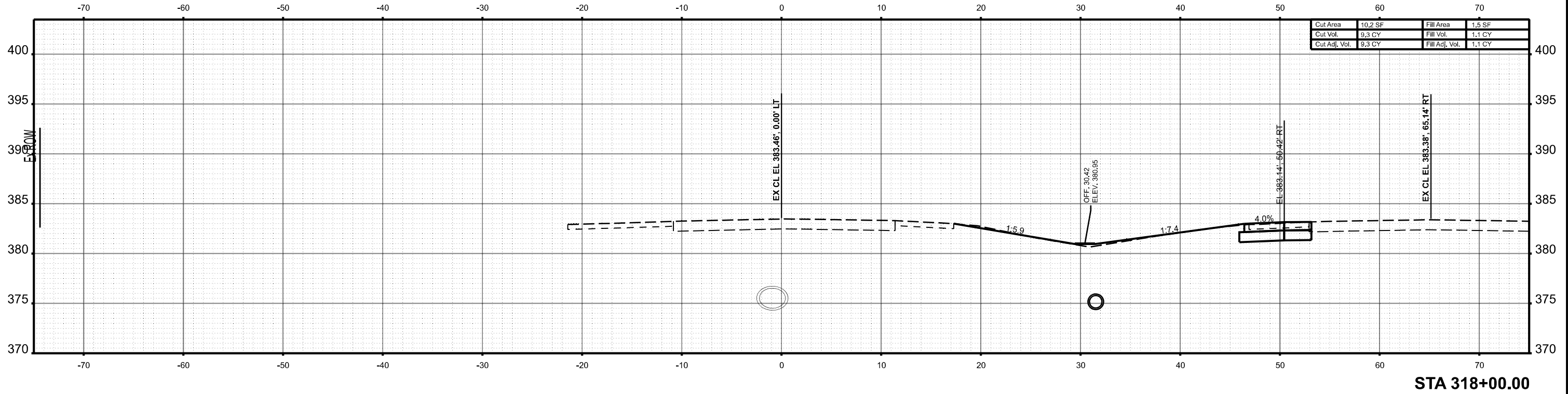
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 56 OF 27 SHEETS STA. TO STA.

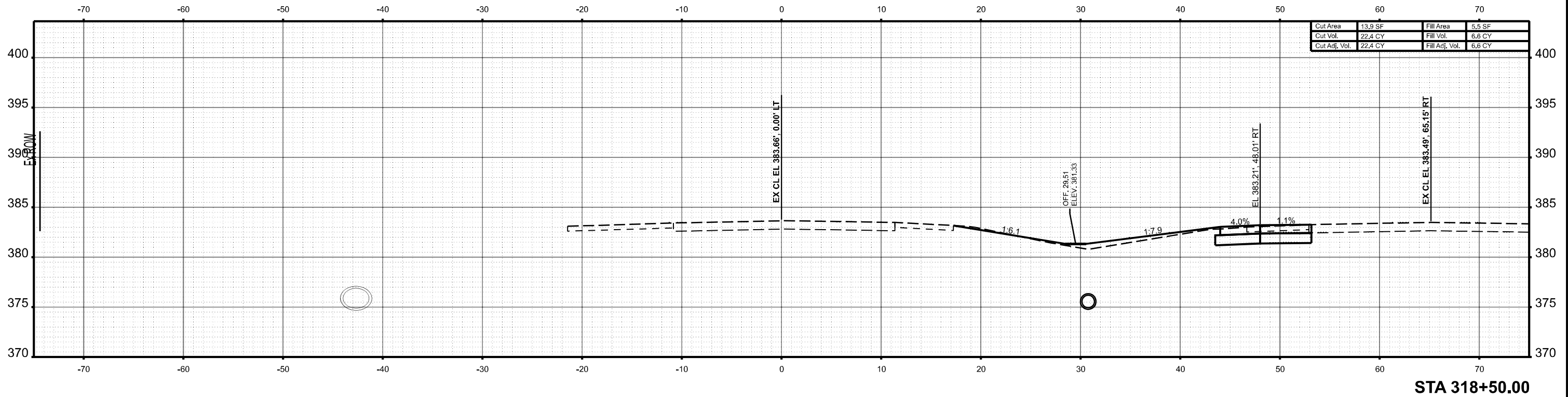
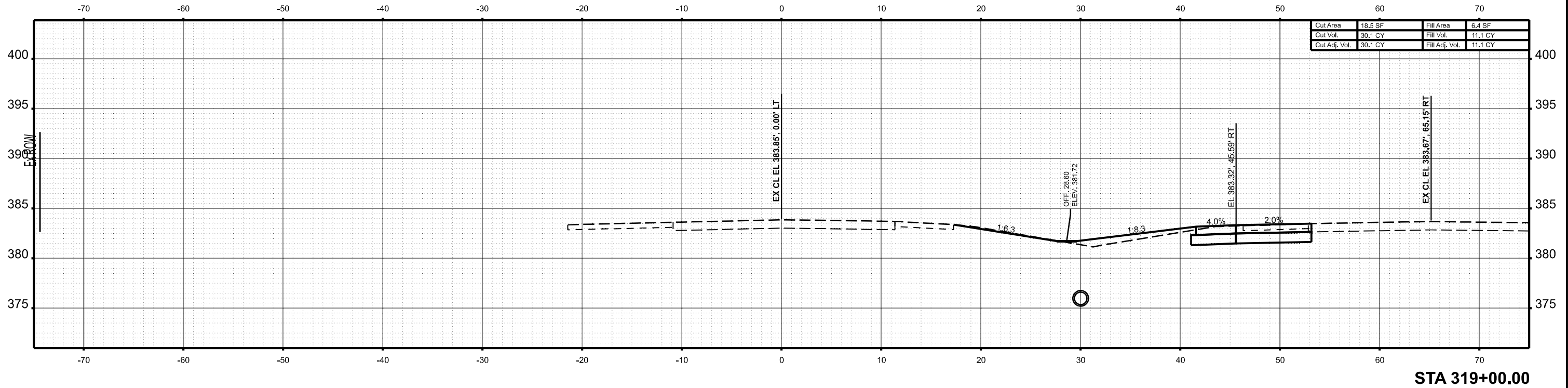
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	56
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_317+62.65 (Sheet)
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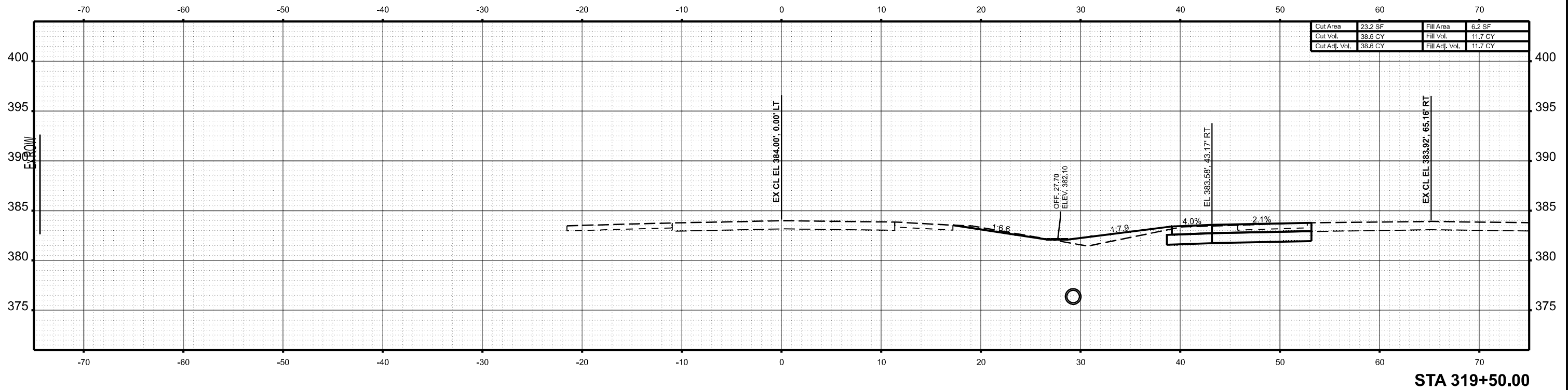
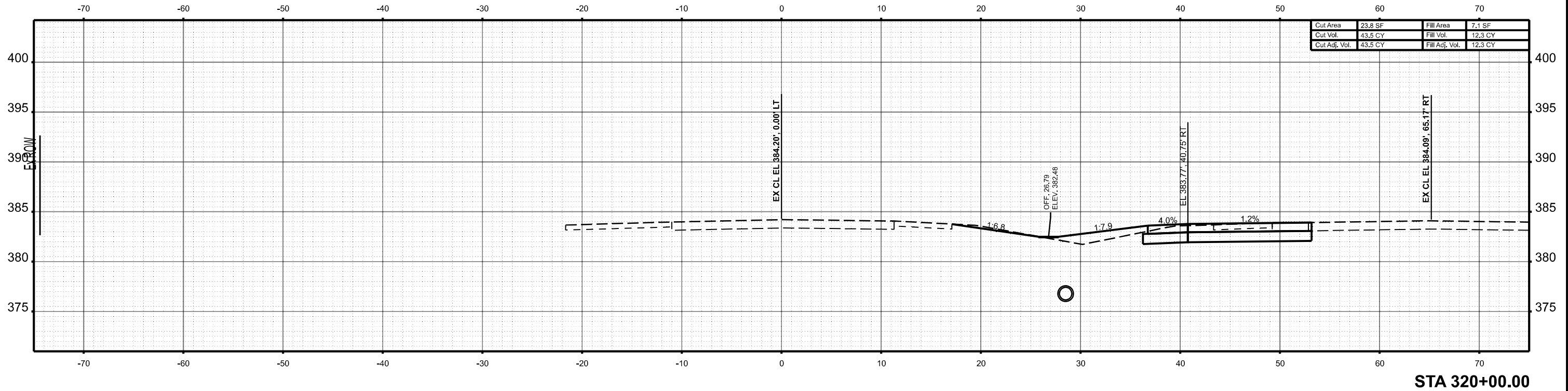
	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS: A_IL13				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	57
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -		CONTRACT NO. 78A16								
	PLOT DATE = 8/9/2024	DATE -	REVISED -										
	SCALE: 1"=5'		SHEET 57 OF 27 SHEETS		STA.		TO STA.						

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FILE NAME: P:\Roads\Illinois\A\A_IL13_318+50.00.dgn



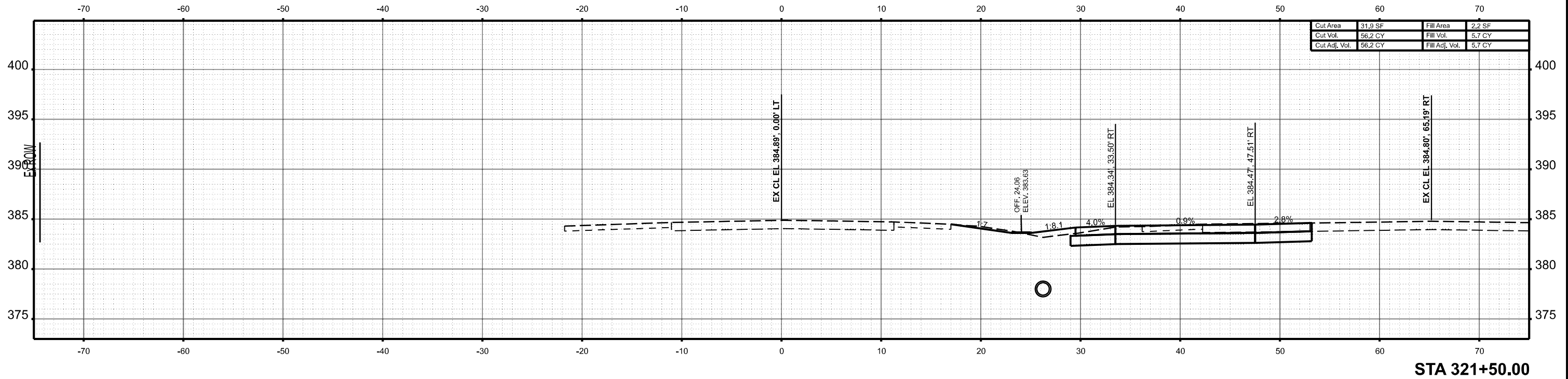
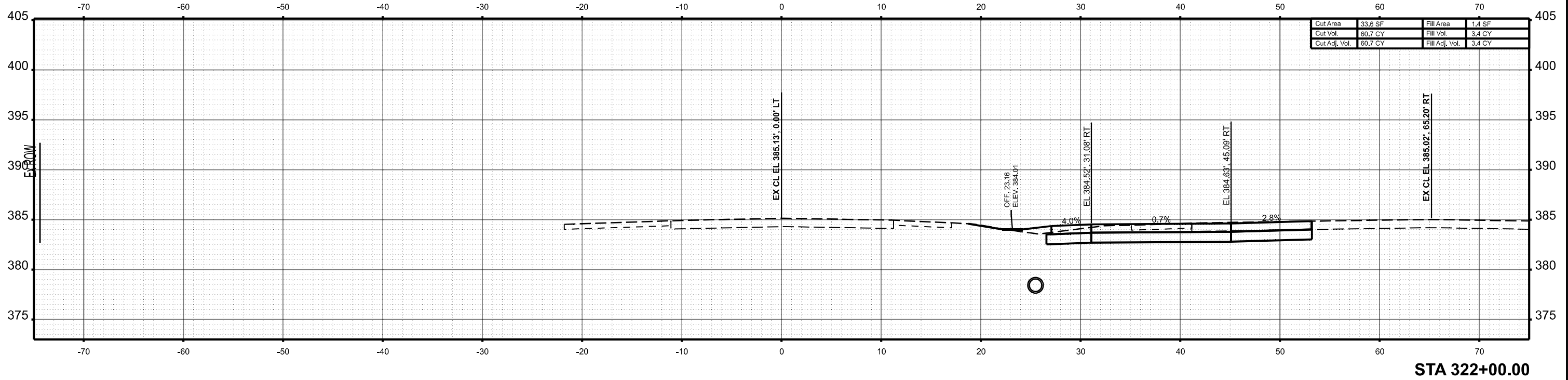
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		DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	58
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -		SCALE: 1"=5'				CONTRACT NO. 78A16				
	PLOT DATE = 8/9/2024	DATE -	REVISED -		SHEET 58 OF 27 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				

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	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS: A_IL13				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						331	(12-1)TS-2	JACKSON	80	59
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -		CONTRACT NO. 78A16								
	PLOT DATE = 8/9/2024	DATE -	REVISED -		SCALE: 1"=5'	SHEET 59 OF 27 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_321+50.00 (Sheet)
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USER NAME	= Jared,Harp	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

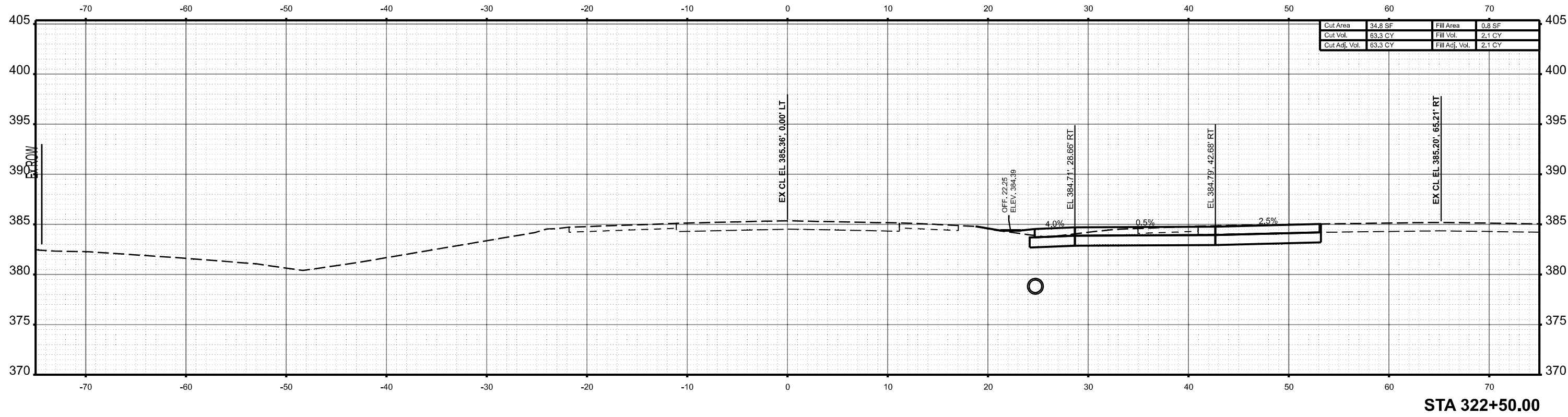
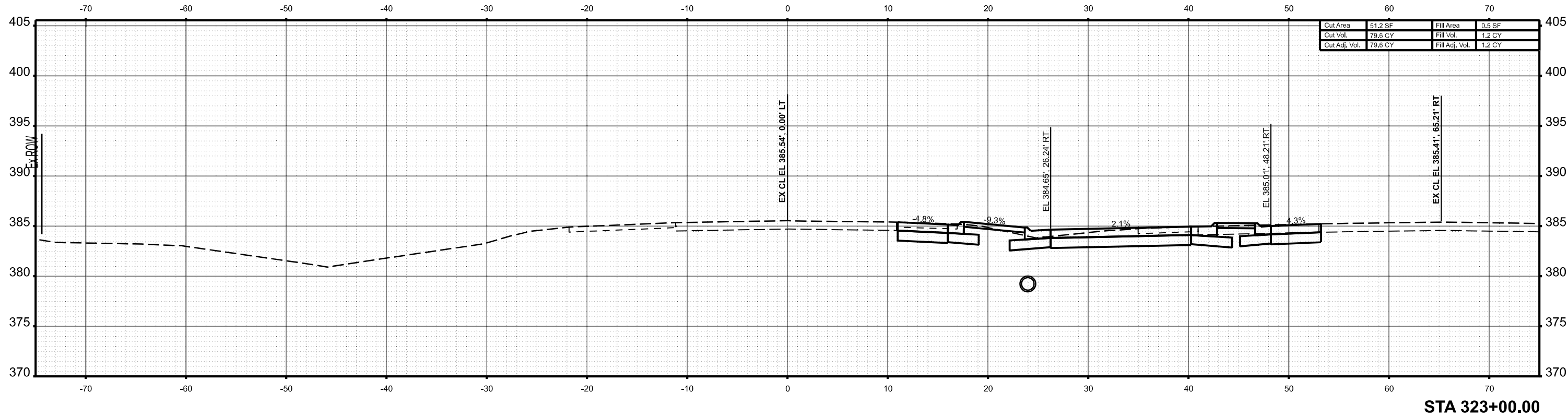
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 61 OF 27 SHEETS STA. TO STA.

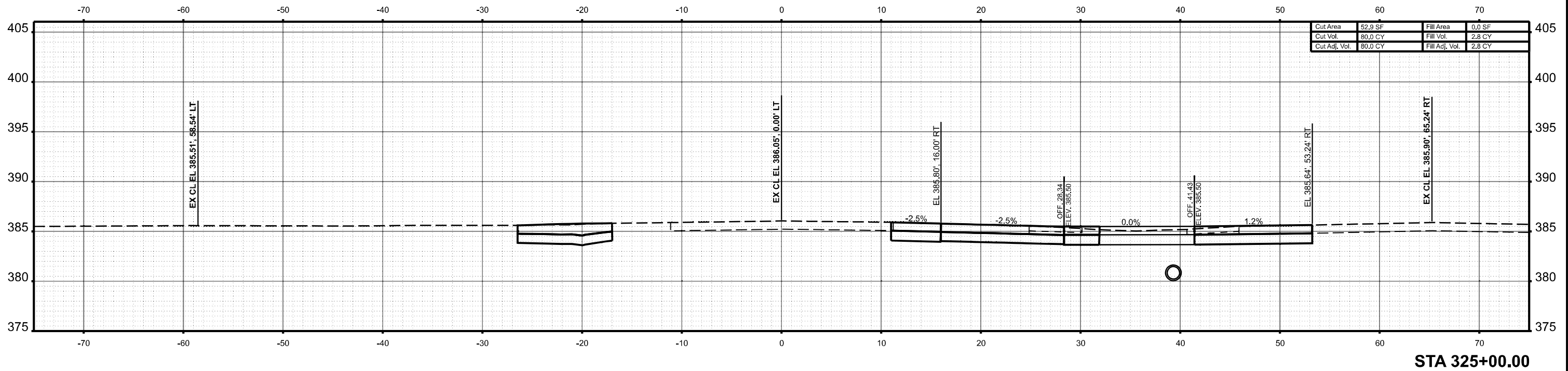
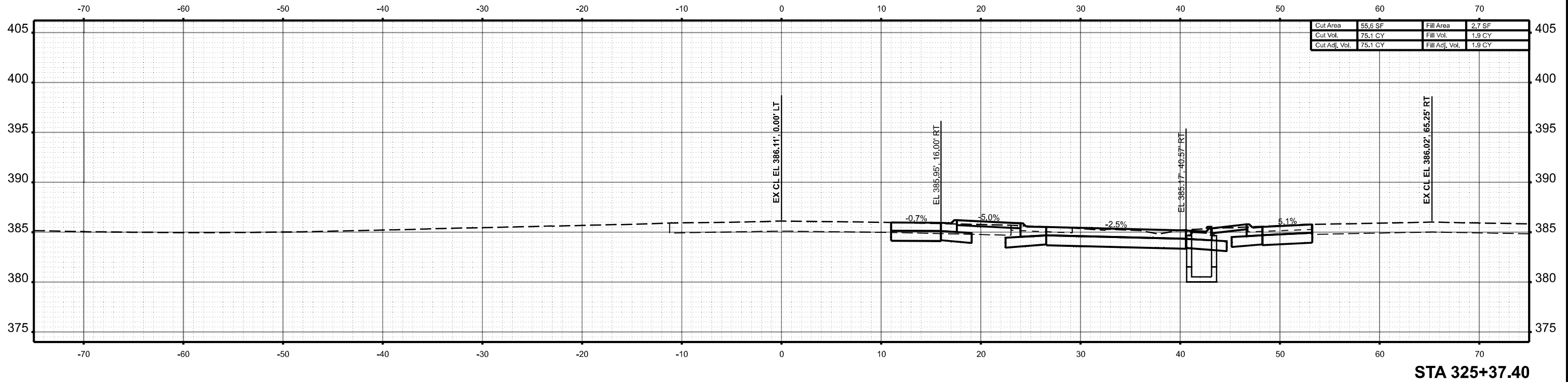
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	61
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_322+50.00 (Sheet)
FILE NAME: P:\Roads\Projects\A\A_IL13_322+50.00\Drawings\A_IL13_322+50.00\A_IL13_322+50.00.dgn



	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS: A_IL13				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		331	(12-1)TS-2	JACKSON	80	62				
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -		CONTRACT NO. 78A16								
	PLOT DATE = 8/9/2024	DATE -	REVISED -										
					SCALE: 1"=5'	SHEET 62	OF 27	SHEETS	STA.	TO STA.			

MODEL: A_IL13_325+00.00 (Sheet)
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USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVISED	-
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

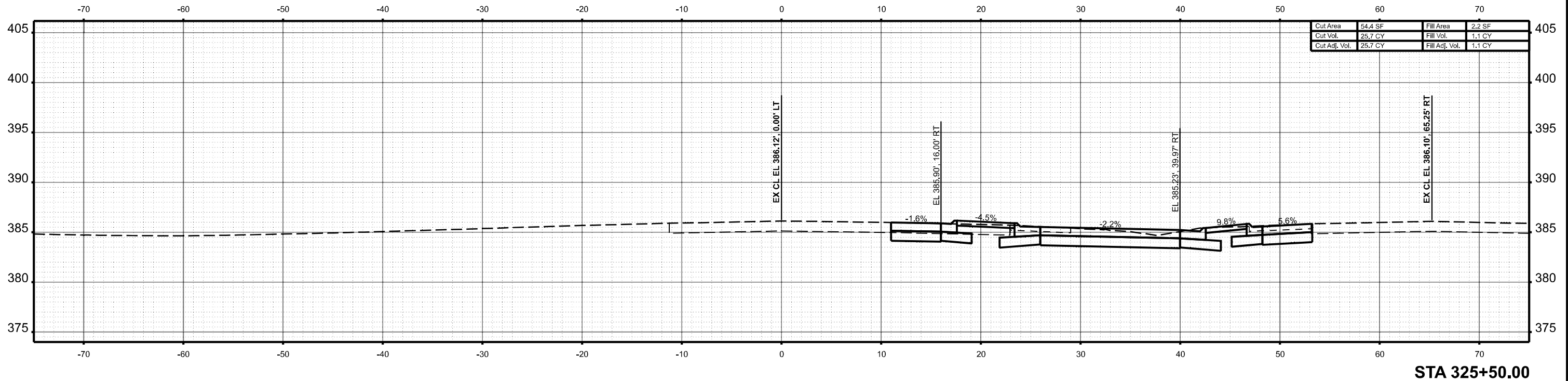
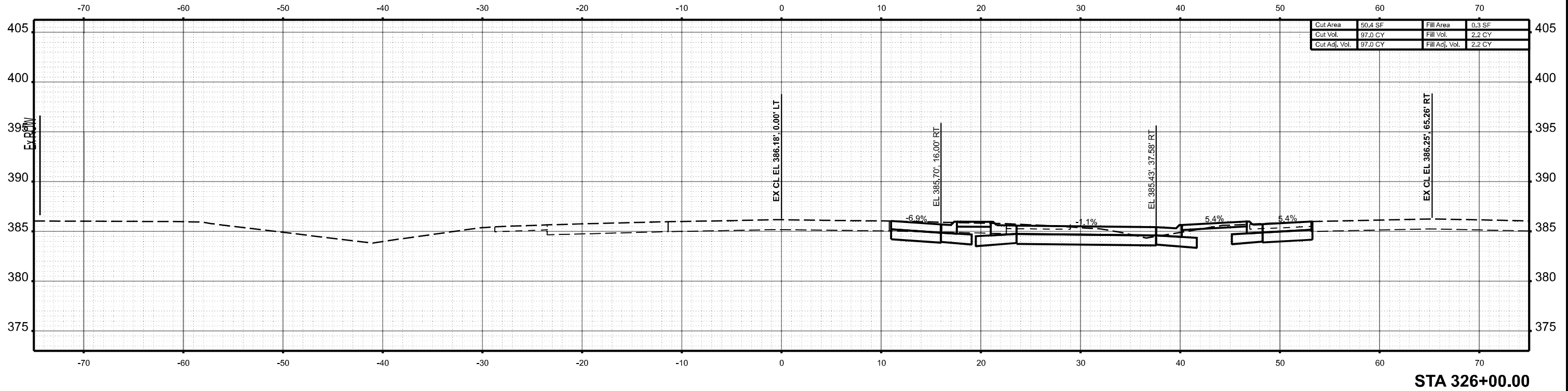
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

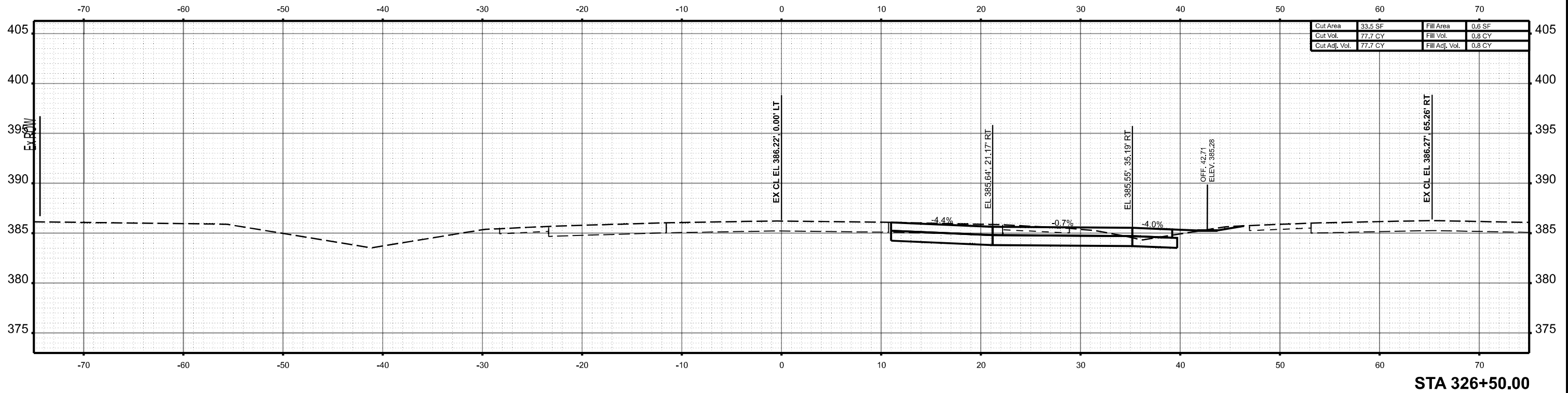
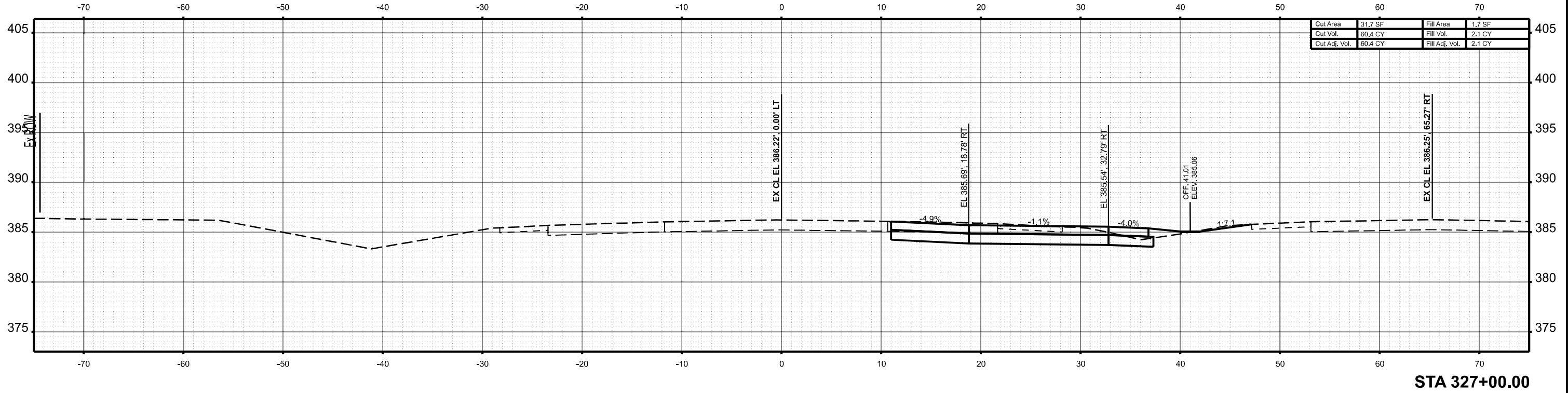
SCALE: 1"=5' SHEET 65 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	65
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_325+50.00 [Sheet]
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MODEL: A_IL13_325+50.00 (Sheet)
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USER NAME	Jared, Harp	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
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PLOT DATE	8/9/2024	DATE	-	REVISION	-

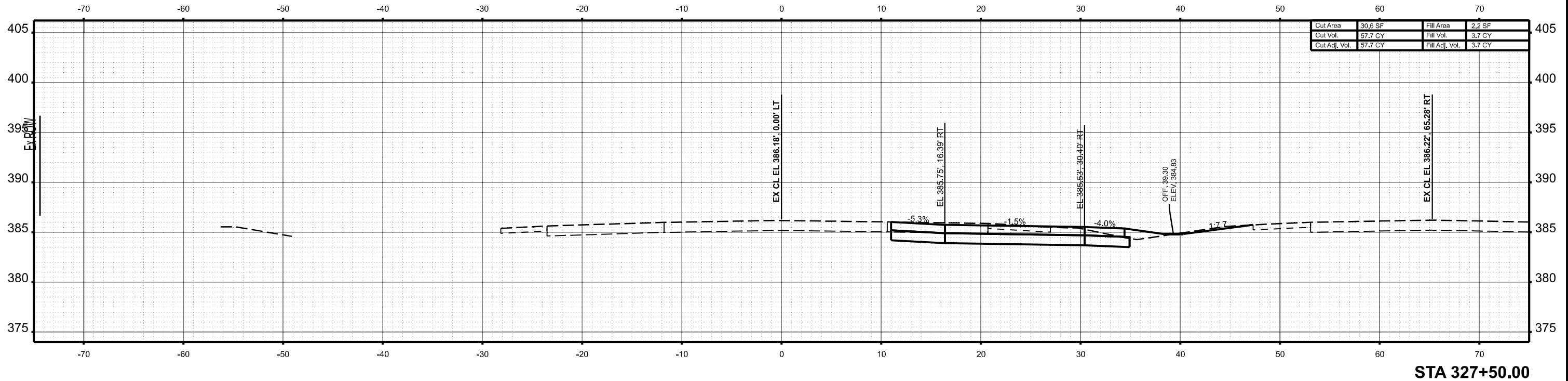
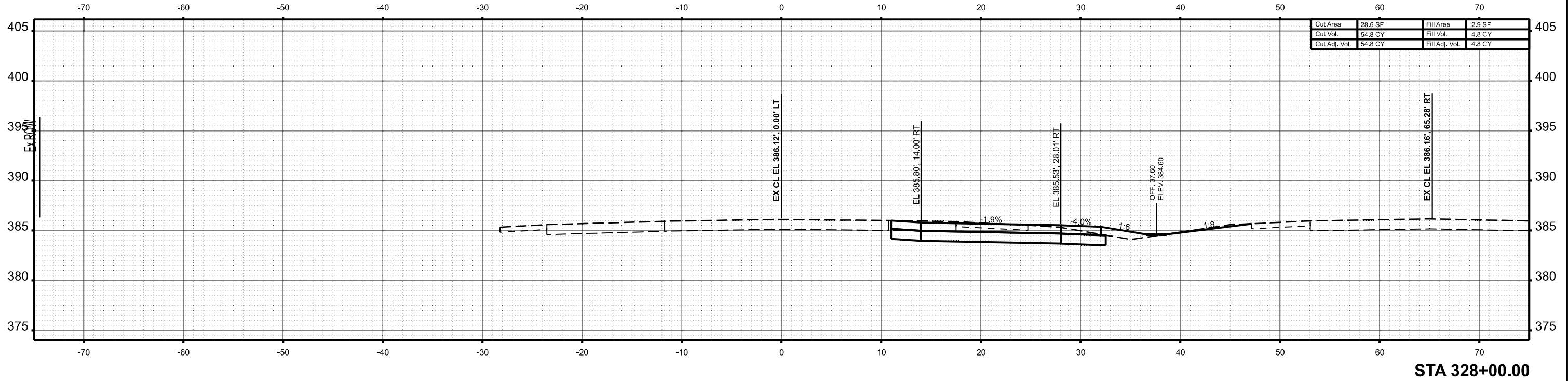
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 67 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	67
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_327+50.00 [Sheet]
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USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
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PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

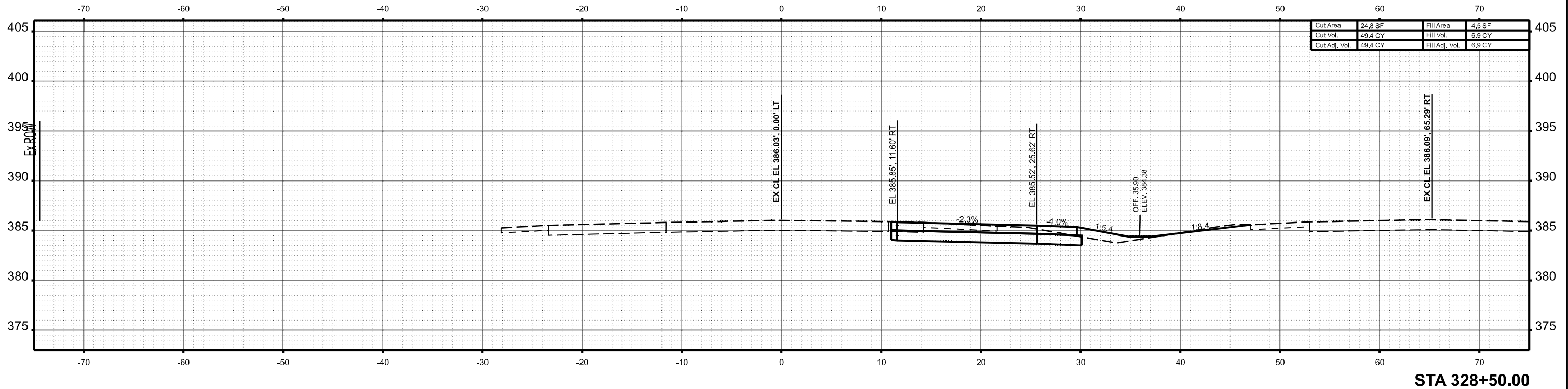
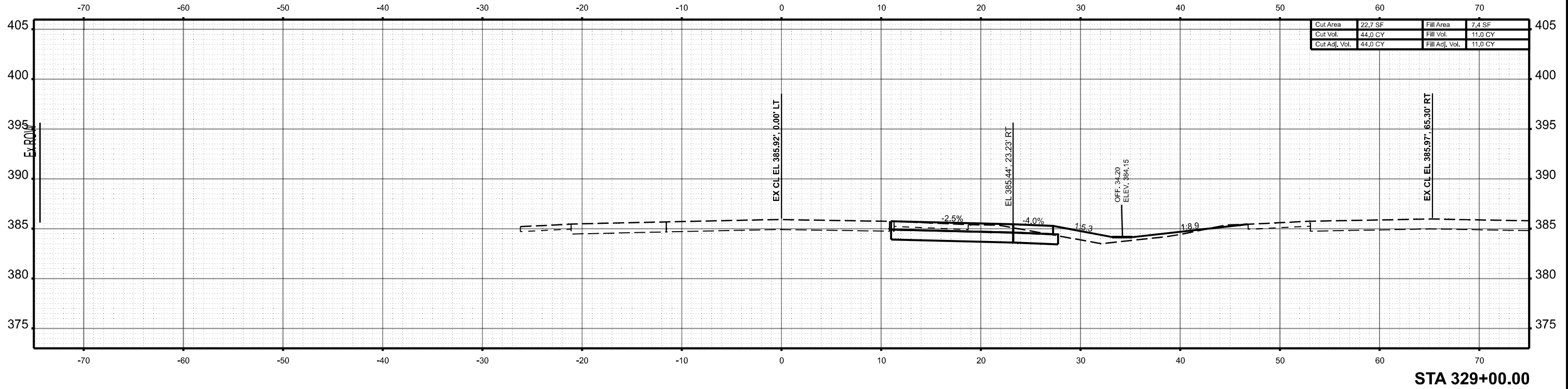
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 68 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	68
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_329+50.00 [Sheet]
FILE NAME: P:\Roads\Illinois\A\A_IL13_329+50.00.dgn



USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVISED	-
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PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

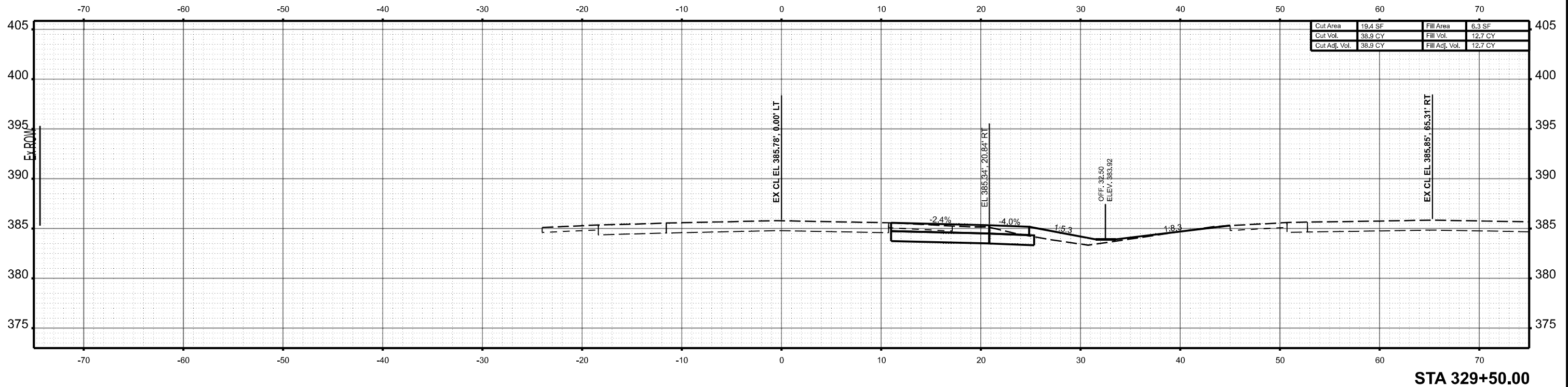
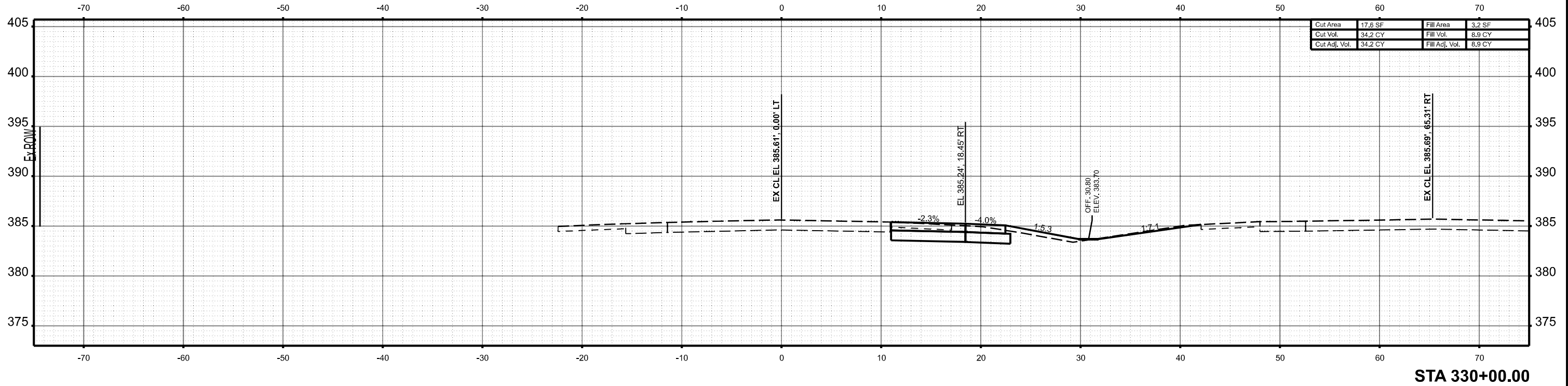
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 69 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	69
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_329+50.00 [Sheet]
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USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVISED	-
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

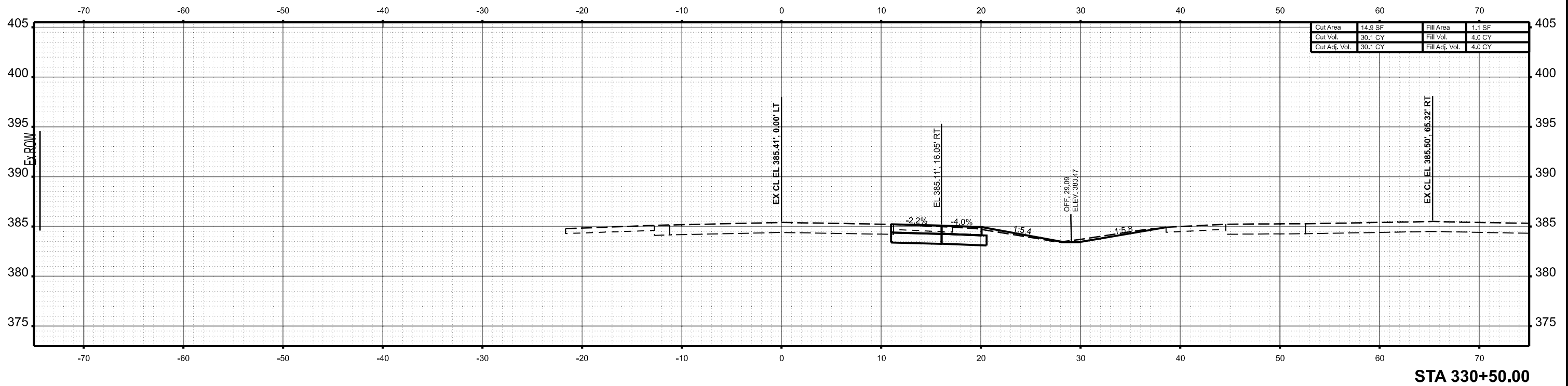
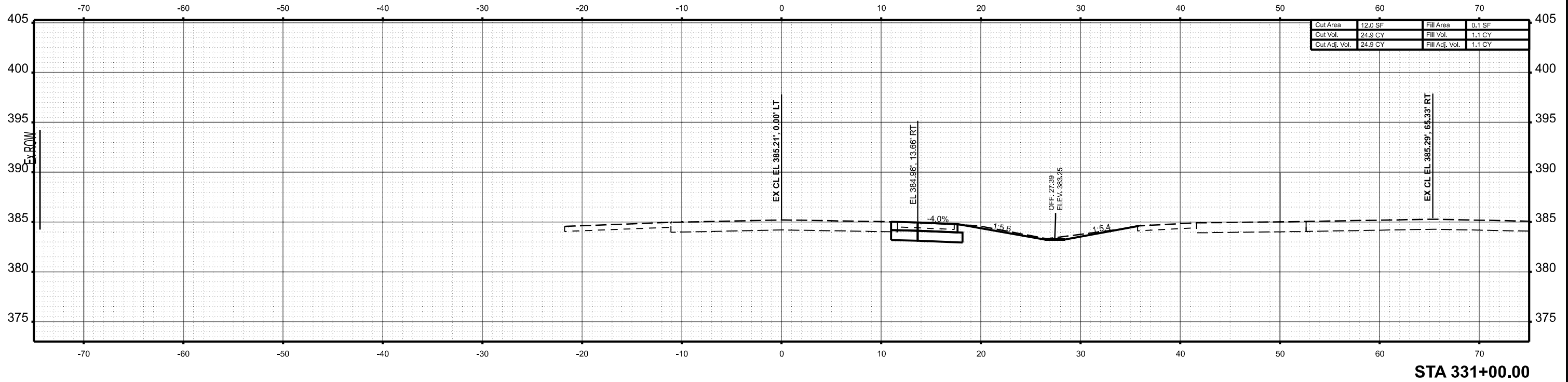
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

SCALE: 1"=5' SHEET 70 OF 27 SHEETS STA. TO STA.

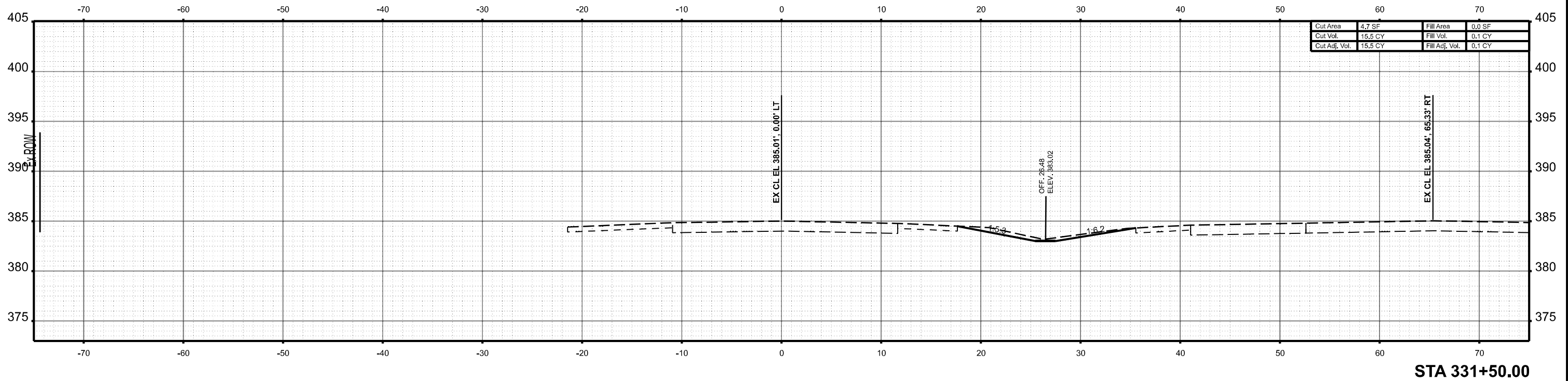
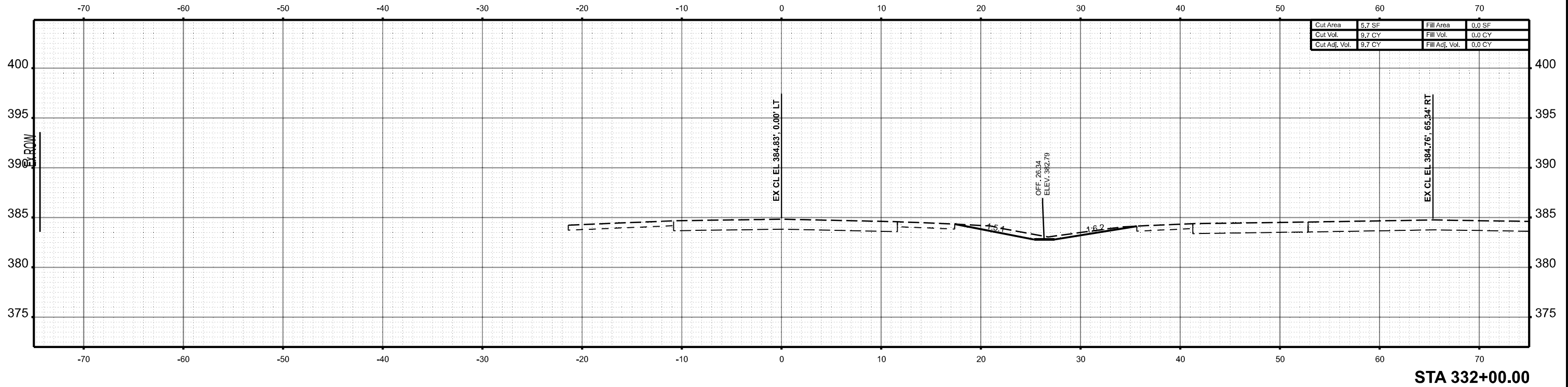
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	70
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_331-50.00 (Sheet)
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MODEL: A_IL13_331-50.00 (Sheet) FILE NAME: P:\DOT\Documents\DOT Office\District 9\RD Projects\78A16\CAD\DrawCAD\SheetD978A16-Station_CrossSections.dgn	USER NAME = Jared,Harp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS: A_IL13				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.	DRAWN -	REVISED -		SCALE: 1"=5'				331	(12-1)TS-2	JACKSON	80	71
	PLOT DATE = 8/9/2024	CHECKED -	REVISED -		SHEET 71 OF 27 SHEETS STA. TO STA.				CONTRACT NO. 78A16				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

MODEL: A_IL13_331+50.00 [Sheet]
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USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVISED	-
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

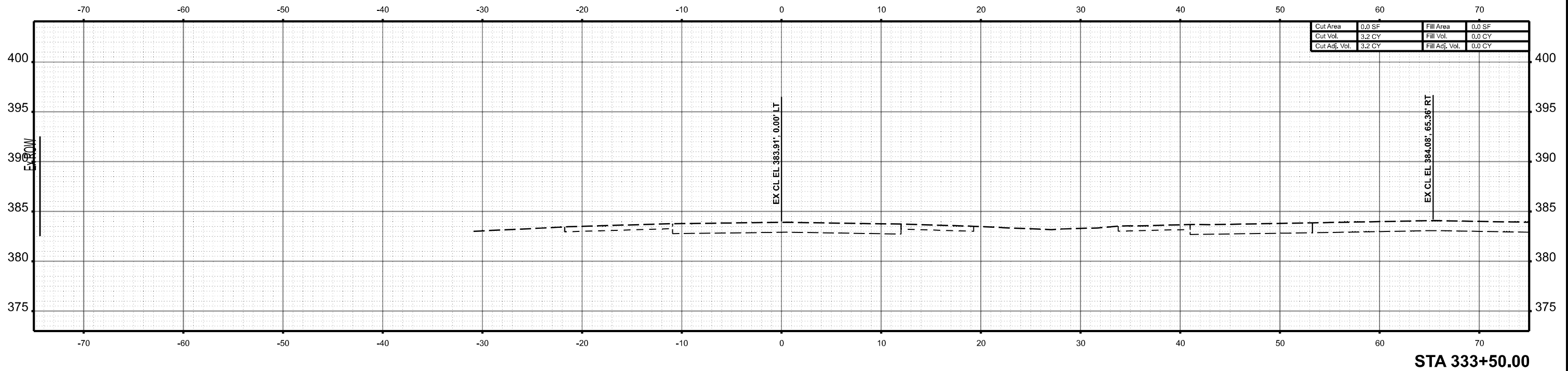
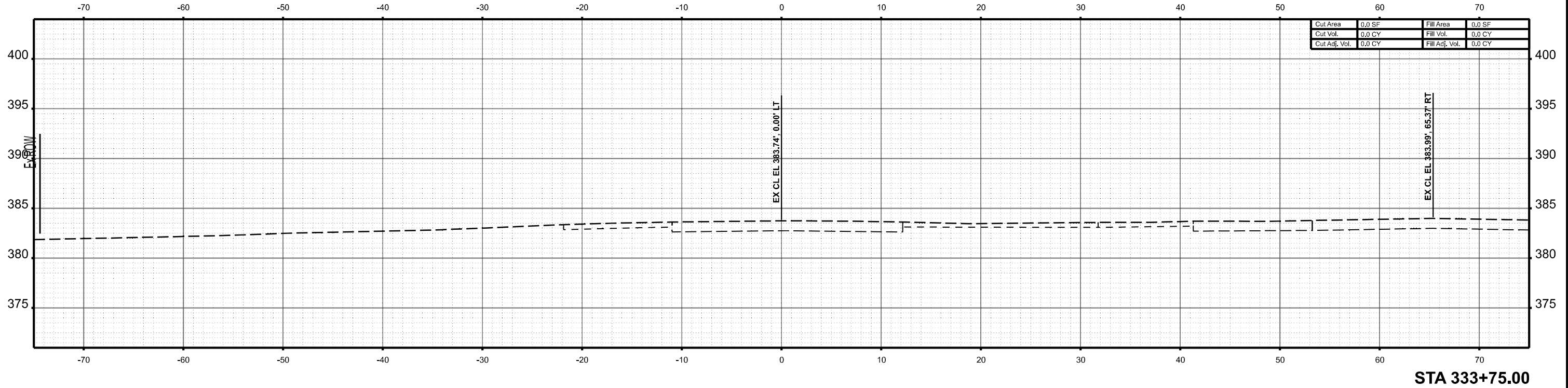
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: A_IL13

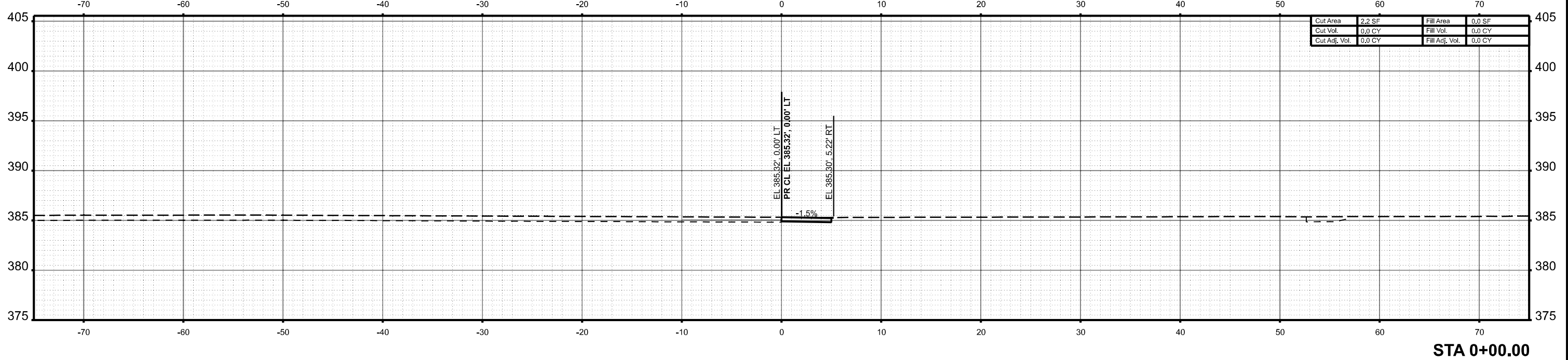
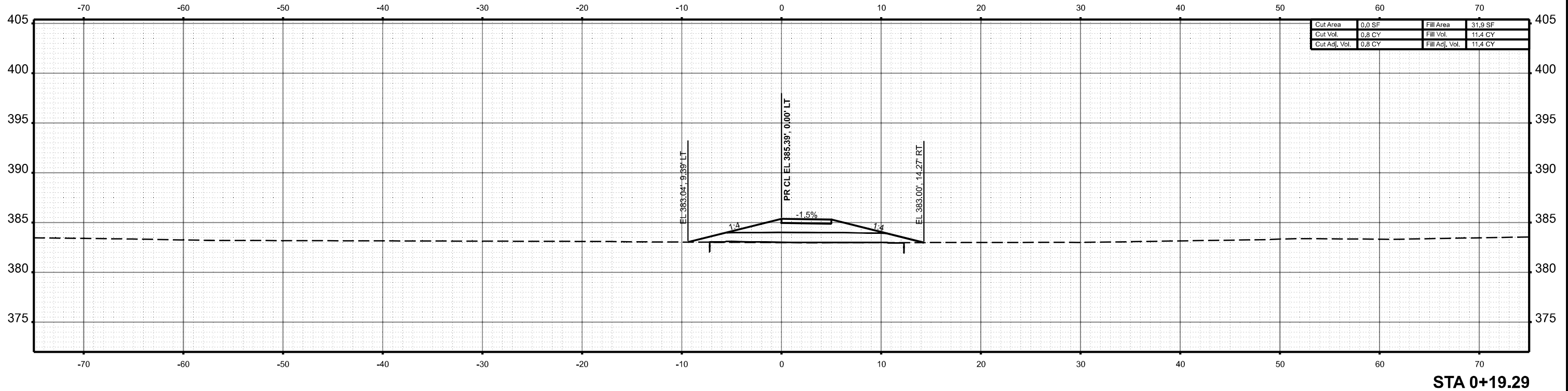
SCALE: 1"=5' SHEET 72 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	72
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

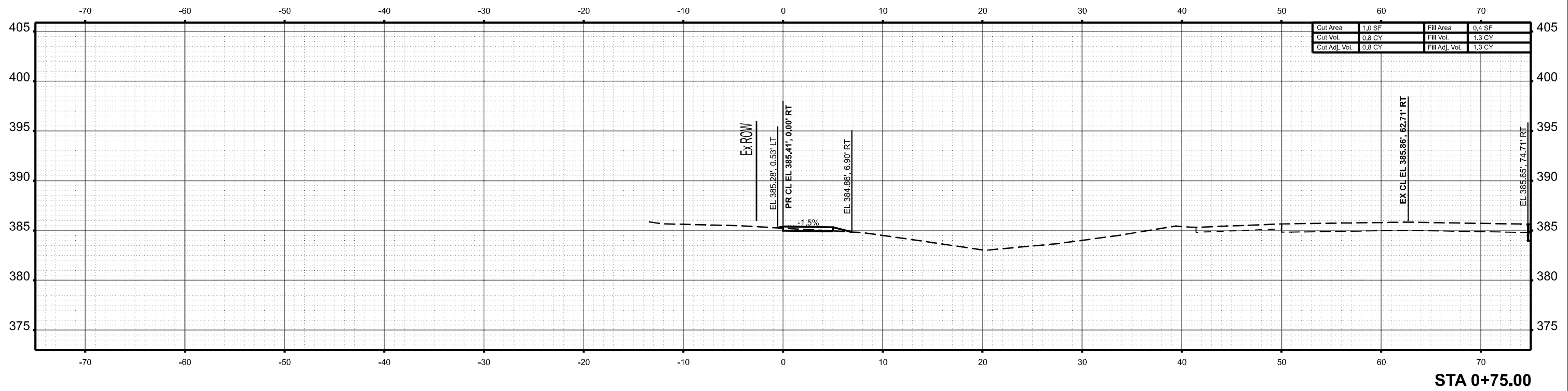
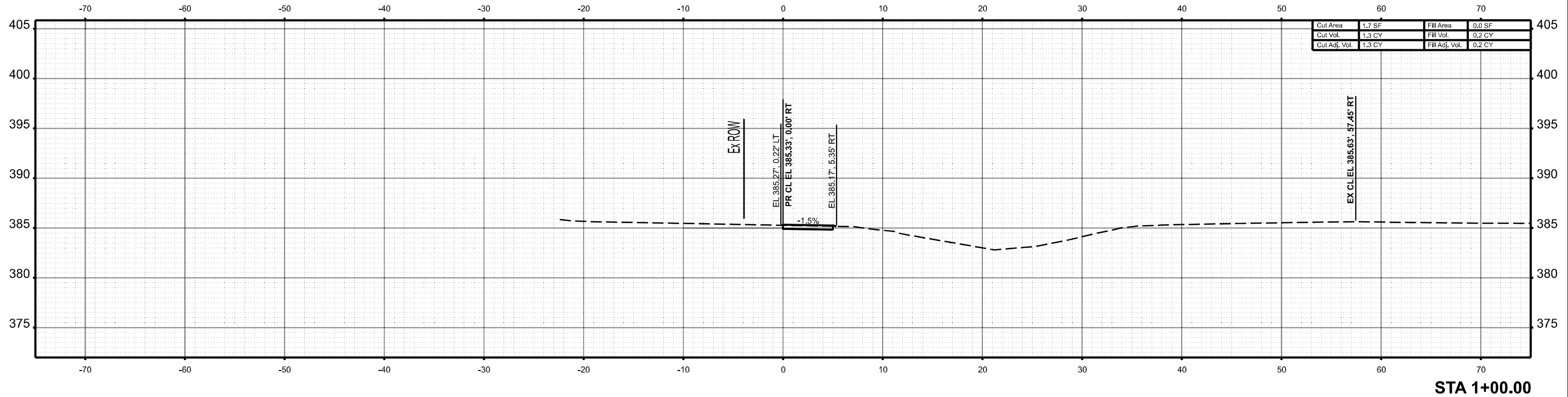
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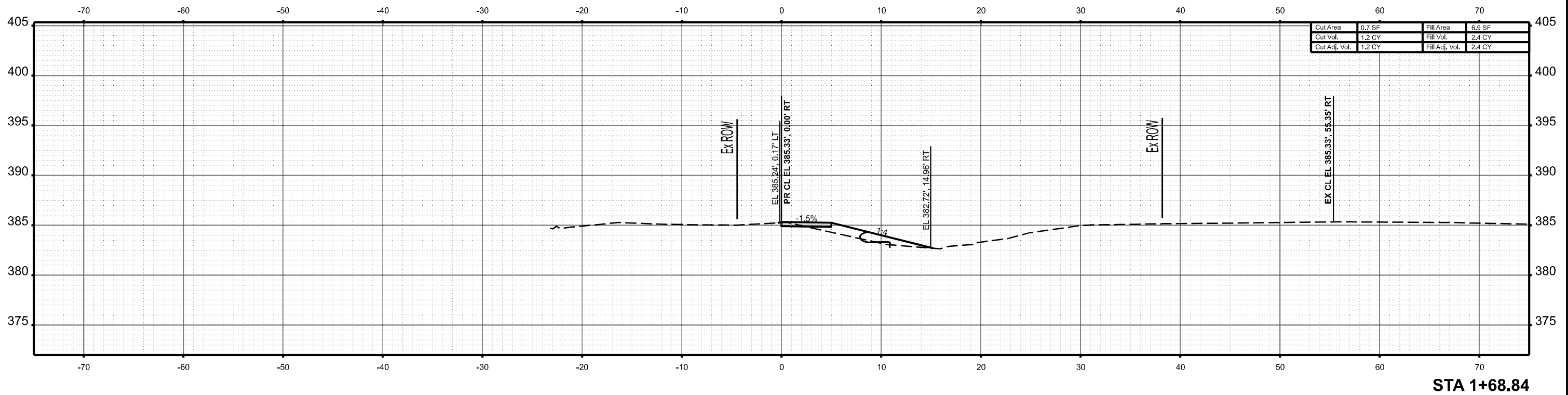
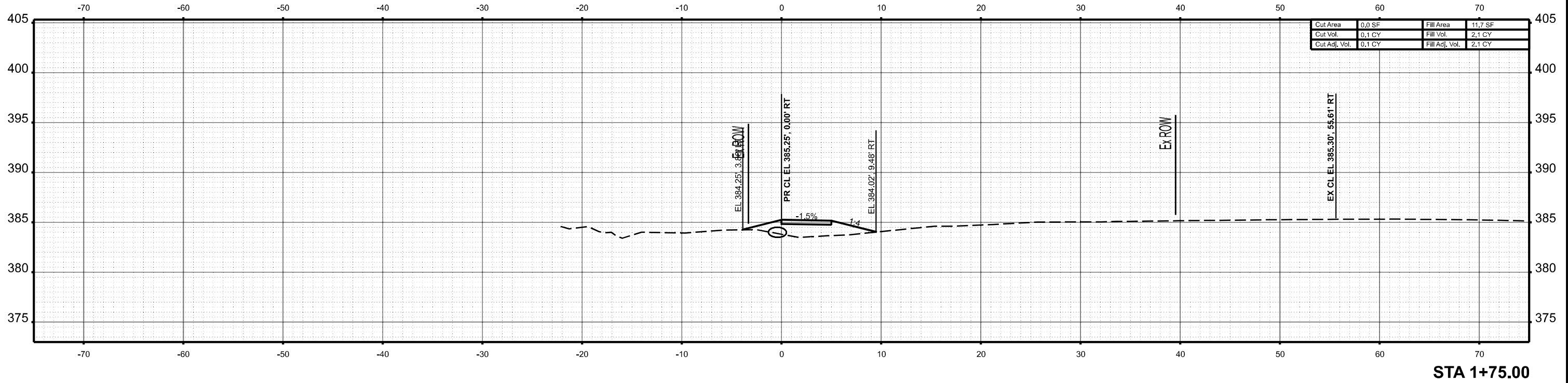
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FILE NAME: prsidewalk.dgn



MODEL: PRSIDEWALK - 0-75.00 (Sheet)
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MODEL: PRSIDEWALK - 1+68.84 (Sheet)
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USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

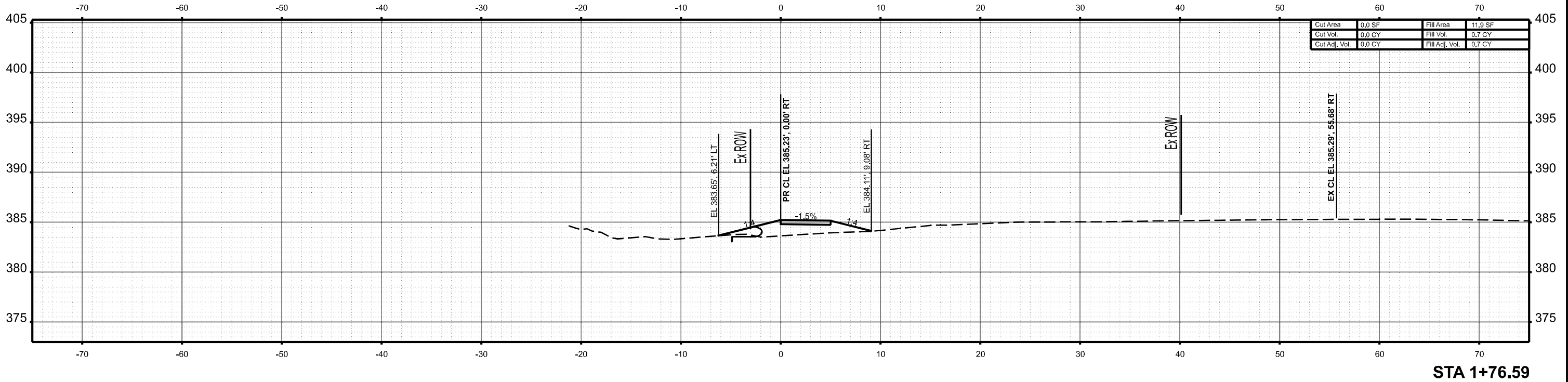
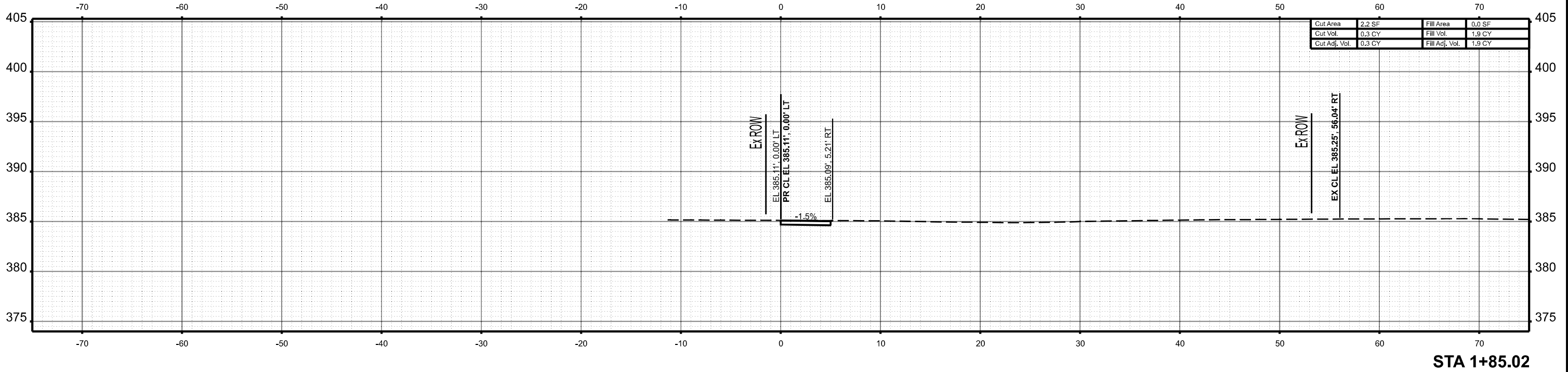
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: PRSIDEWALK

SCALE: 1"=5' SHEET 79 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	79
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				

MODEL: PRSIDEWALK - 17x50 (Sheet)
FILE NAME: prsidewalk.dgn



USER NAME	= Jared.Harp	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/9/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: PRSIDEWALK

SCALE: 1"=5' SHEET 80 OF 27 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)TS-2	JACKSON	80	80
CONTRACT NO. 78A16				
ILLINOIS FED. AID PROJECT				