

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148*	1
		ILLINOIS	CONTRACT NO. 74739	

* 148 + 1 = 149 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 13,000

STATION EQUATIONS:

STA. 312 + 25.88 BK = STA. 312 + 24.65 AH
 STA. 409 + 51.29 BK = STA. 409 + 58.89 AH
 STA. 437 + 49.88 BK = STA. 437 + 76.02 AH

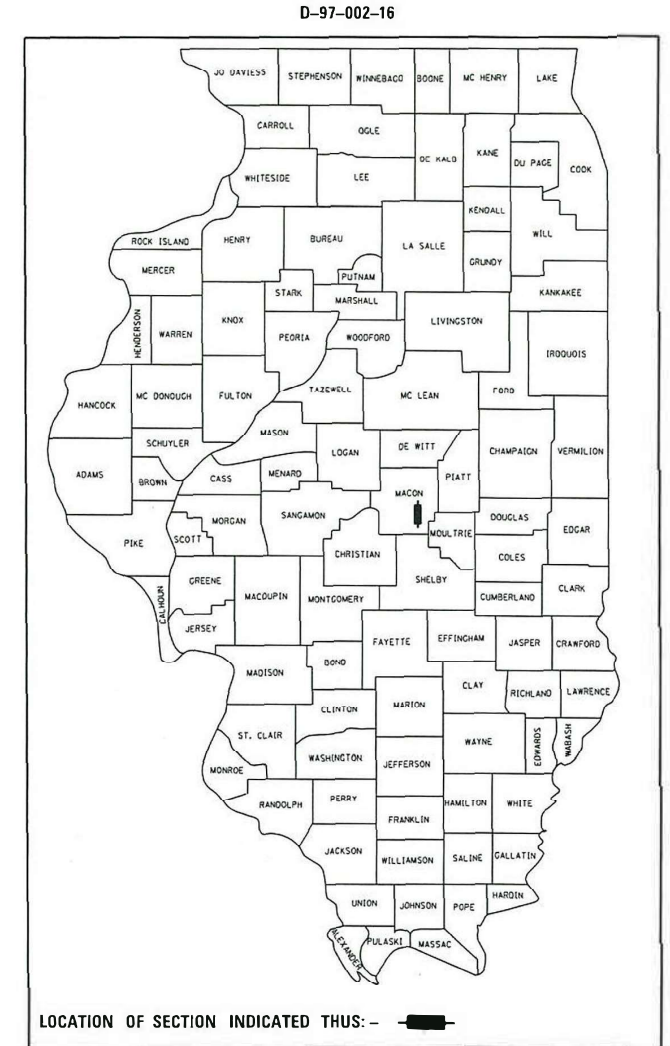
PROPOSED HIGHWAY PLANS

FAP ROUTE 320 (IL 121)
 SECTION 101RS-2
 PROJECT NHPP-HSIP-FA58(411)
 RESURFACING (3P), ADA IMPROVEMENTS
 MACON COUNTY

C-97-004-16

BRIDGE OMISSION:

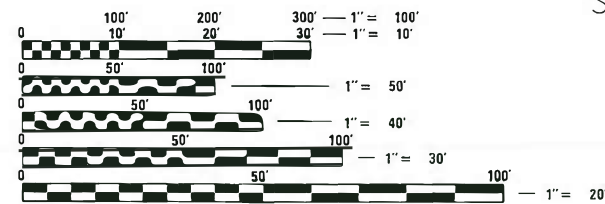
STA. 420 + 42.9 TO STA. 422 + 69.9



LOCATION OF SECTION INDICATED THIS: - [Black Box] -

PROJECT ENDS
 STA 492+04

PROJECT BEGINS
 STA 273+40

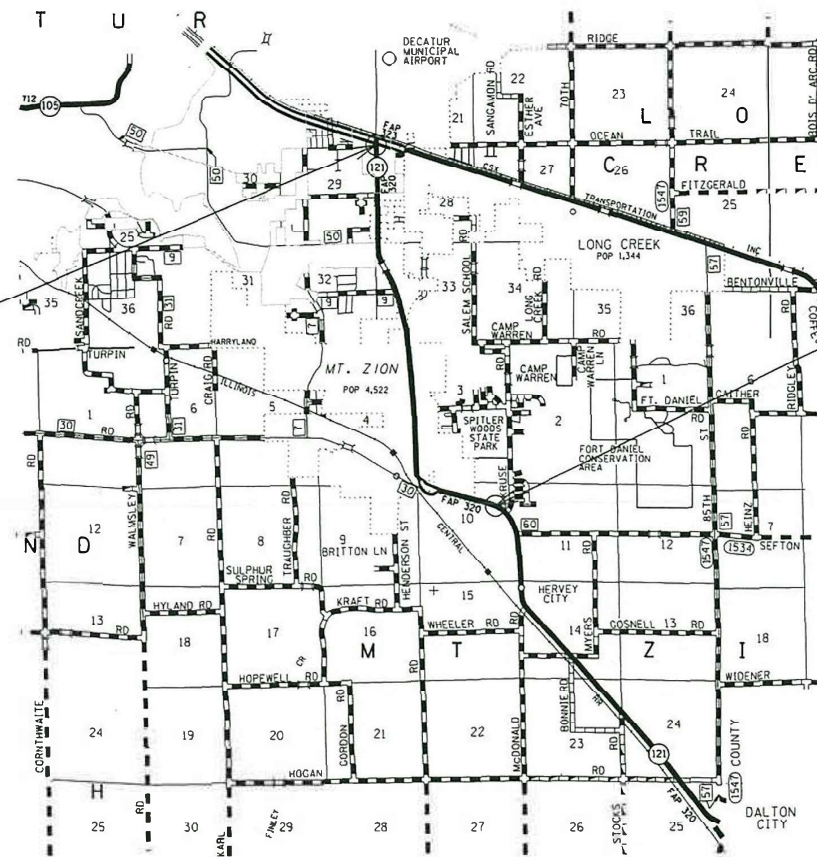


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER MATT BOWER
 PROJECT MANAGER REID TORBECK

CONTRACT NO. 74739



GROSS LENGTH = 21722 FT. = 4.114 MILE
 NET LENGTH = 21722 FT. = 4.114 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 12-21-22
Jeffrey P. [Signature]
 REGIONAL ENGINEER
 February 3, 2023

[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT
 February 3, 2023
Stephen M. [Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF HIGHWAY STANDARDS & GENERAL NOTES
3-14	SUMMARY OF QUANTITIES
15-24	TYPICAL SECTIONS
25-33	SCHEDULE OF QUANTITIES
34-43	PLAN SHEETS
44-64	ADA SHEETS
64A-64B	ROW SHEETS
65-73A	PAVEMENT MARKING
74	TRAFFIC COUNTER PLAN
75-141	TRAFFIC SIGNAL PLANS
142-146	DISTRICT DETAILS

GENERAL NOTES

THIS PROJECT IS LOCATED ON FAP ROUTE 320 (ILL 121) IN MACON COUNTY, FROM THE SOUTH CORPORATE LIMIT OF MT. ZION TO US 36 IN DECATUR.

THE WORK INCLUDED IN SECTION 101RS-2 CONSISTS OF PAVEMENT PATCHING, MILLING, HOT-MIX ASPHALT RESURFACING, HOT-MIX ASPHALT SHOULDERS, CURB AND GUTTER, ADA SIDEWALK RAMP UPGRADES, TRAFFIC SIGNAL UPGRADES, AGGREGATE WEDGE SHOULDER, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE RESIDENT ENGINEER SHALL CONTACT JOSH PORTER AT 217-342-5677 THREE (3) DAYS PRIOR TO CONSTRUCTION FOR LOCATION OF UNDERGROUND WIRING RELATED TO TRAFFIC SIGNALS.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP.

HOT-MIX ASPHALT SHOULDERS SHALL BE OMITTED AT THE CE AND PRA LOCATIONS SHOWN ON THE PLAN SHEETS.

THE HOT MIX ASPHALT PAY FOR PERFORMANCE (PFP) SPECIAL PROVISION SHALL APPLY TO THE POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 LAID ON THE TWO THROUGH LANES. THE PAY FOR PERFORMANCE SPECIFICATION WILL NOT APPLY TO THE SURFACE COURSE LAID ON TOP OF THE HOT-MIX ASPHALT SHOULDERS.

TEMPORARY HMA TAPERS WILL BE REQUIRED IMMEDIATELY AFTER THE HMA SURFACE REMOVAL OPERATION HAS BEEN PERFORMED AND ANY SUBSEQUENT RESURFACING OPERATION NEEDING TEMPORARY TAPERS. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY TAPERS (MIN. 2 FEET IN LENGTH) AT ALL MANHOLES AND VALVE VAULTS. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

ANY FRAME AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED AT THEIR EXPENSE

THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO MATCH THE EXISTING CURB AND GUTTER AS SHOWN ON THE PLANS. THE TRANSITION OF THE CURB AND GUTTER SHALL BE PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER OF THE TYPE SPECIFIED.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON TOP OF THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90 AT ALL CENTERLINE AND TURN LANE JOINTS.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (1 1/2")	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	PFP	1000	N/A
MAINLINE	POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N90 (1 1/4")	SBS PG 70-22	4.0% @ N=90	IL - 9.5FG	N/A	N90	PFP	1000	N/A
PATCHING	HMA BINDER COURSE, IL-19.0, N90	PG 64-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	3000	N/A
PARTIAL DEPTH PATCHING	HMA BINDER COURSE, IL-19.0, N90	PG 64-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	3000	N/A
2 3/4" HMA SHOULDERS	HOT-MIX ASPHALT SHOULDERS (TOP LIFT 1 1/2" LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A
2 3/4" HMA SHOULDERS	HOT-MIX ASPHALT SHOULDERS (BOTTOM 1 1/2" LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	N70	QC/QA	3000	N/A
INCIDENTAL	INCIDENTAL HOT-MIX ASPHALT SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS MATERIALS (TACK COAT)	0.05	LBS/SQ FT 1ST COAT, 0.025 LBS/SQ FT 2ND COAT
HOT-MIX ASPHALT	112	LBS/SQ YD/INCH
AGGREGATE WEDGE SHOULDERS	2.05	TONS/CU YD

COMMITMENTS:

The Contractor shall notify Decatur & Eastern Illinois Railroad (DREI) a minimum of 30 days prior to beginning construction operations which may impact rail facilities. Necessary flagging has been coordinated with DREI and will be billed directly to the District. The railroad contact is as follows:

Bobby Harvey
96 South Main Street
Tuscola, IL 61953
(217) 853-5468
robert.harvey@watco.com

TO REDUCE STORMWATER DRAINAGE ONTO DRIVEWAY AT STATION 411+26 (RAYMOND MARLEY RESIDENCE), REMOVE 55' CURB AND GUTTER AND REPLACE WITH TYPE A GUTTER (55').

REV. - MS

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 PLOT DATE = 12/22/2022

USER NAME	DESIGNED	REVISED	SCALE	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX, STANDARDS, AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
= Jessica.Hille	-	-	= 100.0000' / in.	-			320	101RS-2	MACON	148	2
										CONTRACT NO. 74739	
										ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE	URBAN 100% DECATUR AIRPORT RD	URBAN 90% FED 10% STATE	URBAN 90% FEDERAL 5% STATE 5% MT ZION	URBAN 90% FEDERAL 7% STATE 3% MT ZION	URBAN 90% FEDERAL 7% STATE 3% DECATUR	URBAN 90% FEDERAL 10% DECATUR	URBAN 80% FEDERAL 20% DECATUR	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD	
CODE NO	ITEM	UNIT		0005	0005	0021	0021	0021	0021	0021	0005	0005	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	107219	102719	727						2025	1748	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	85163	85163									
40600990	TEMPORARY RAMP	SQ YD	325	273	52								
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	11051	10653	76						210	112	
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL9.5, MIX "D", N90	TON	13007	12530	90						253	134	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	458	458									
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	3348.7	3348.7									
42400800	DETECTABLE WARNINGS	SQ FT	203.3	203.3									
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	157842	151567	1076						3603	1596	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	545	545									
44000600	SIDEWALK REMOVAL	SQ FT	2571	2571									
44201003	CLASS B PATCHES, TYPE I, 13 INCH	SQ YD	64	64									
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	5917	5917									

REV. - MS

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USER NAME = Jessica.Hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	3
CONTRACT NO. 74739			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE	URBAN 100% DECATUR AIRPORT RD	URBAN 90% FED 10% STATE	URBAN 90% FEDERAL 5% STATE 5% MT ZION	URBAN 90% FEDERAL 7% STATE 3% MT ZION	URBAN 90% FEDERAL 7% STATE 3% DECATUR	URBAN 90% FEDERAL 10% DECATUR	URBAN 80% FEDERAL 20% DECATUR	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD	
CODE NO	ITEM	UNIT		0005	0005	0021	0021	0021	0021	0021	0005	0005	
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SO YD	420	420									
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SO YD	430	430									
44201299	DOWEL BARS 1 1/2"	EACH	15046	15046									
44200050	WELDED WIRE REINFORCEMENT	SO YD	785	785									
44213200	SAW CUTS	FOOT	38377	38377									
44213204	TIE BARS 3/4"	EACH	467	467									
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	45	45									
48203008	HOT-MIX ASPHALT SHOULDERS, 2 3/4"	SO YD	3320	3320									
60602500	CONCRETE GUTTER, TYPE A	FOOT	55	55									
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	493	493									
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	57			57							
60622800	CONCRETE MEDIAN, TYPE SM-6.12	SO FT	1393		1393								
60624600	CORRUGATED MEDIAN	SO FT	7708	7708									
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	90	90									

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		DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	4
CONTRACT NO. 74739			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT		URBAN 80% FEDERAL 20% STATE 0005	URBAN 100% DECATUR AIRPORT RD 0005	URBAN 90% FED 10% STATE 0021	URBAN 90% FEDERAL 5% STATE 5% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% DECATUR 0021	URBAN 90% FEDERAL 10% DECATUR 0021	URBAN 80% FEDERAL 20% DECATUR 0005	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD 0005	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5									
* 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	10	10									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9									
67100100	MOBILIZATION	L SUM	1	1									
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1									
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1									
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1									

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* SPECIALTY ITEM	USER NAME = Jessica.Hille	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 3	OF 11 SHEETS	STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 5
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE	URBAN 100% DECATUR AIRPORT RD	URBAN 90% FED 10% STATE	URBAN 90% FEDERAL 5% STATE 5% MT ZION	URBAN 90% FEDERAL 7% STATE 3% MT ZION	URBAN 90% FEDERAL 7% STATE 3% DECATUR	URBAN 90% FEDERAL 10% DECATUR	URBAN 80% FEDERAL 20% DECATUR	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD	
CODE NO	ITEM	UNIT		0005	0005	0021	0021	0021	0021	0021	0005	0005	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1									
	701602												
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1									
	701701												
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1									
	701801												
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25	25									
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7872	7872									
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	32211	30552	1659								
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SO FT	3633	3412	221								
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	56218	54368	1850								
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	6917	5759	1158								
70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	1249	1193	56								
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE	FOOT	864	864									

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/22/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74739	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT		URBAN 80% FEDERAL 20% STATE 0005	URBAN 100% DECATUR AIRPORT RD 0005	URBAN 90% FED 10% STATE 0021	URBAN 90% FEDERAL 5% STATE 5% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% DECATUR 0021	URBAN 90% FEDERAL 10% DECATUR 0021	URBAN 80% FEDERAL 20% DECATUR 0005	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD 0005	
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	1141	1035	106								
* 72000100	SIGN PANEL - TYPE 1	SQ FT	276			184	13	14	13	52			
* 72000200	SIGN PANEL - TYPE 2	SQ FT	386			92	24	84	60	126			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3633	3412	221								
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	56218	54368	1850								
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6917	5759	1158								
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1249	1193	56								
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	864	864									
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1141	1035	106								
* 78003131	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD-LINE 6"	FOOT	9842	9842									
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	3633	3412	221								
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	56218	54368	1850								

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* SPECIALTY ITEM	USER NAME = Jessica.Hille	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 5	OF 11 SHEETS	STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74739	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE	URBAN 100% DECATUR AIRPORT RD	URBAN 90% FED 10% STATE	URBAN 90% FEDERAL 5% STATE 5% MT ZION	URBAN 90% FEDERAL 7% STATE 3% MT ZION	URBAN 90% FEDERAL 7% STATE 3% DECATUR	URBAN 90% FEDERAL 10% DECATUR	URBAN 80% FEDERAL 20% DECATUR	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD	
CODE NO	ITEM	UNIT		0005	0005	0021	0021	0021	0021	0021	0005	0005	
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	6917	5759	1158								
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1249	1193	56								
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	864	864									
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	1141	1035	106								
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1603	1571	32								
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1603	1571	32								
* 81028310	UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	960			156	143	217	133	311			
* 81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	110	110									
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	287			63	74	92	22	36			
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	716			151	132	125	100	208			
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	50	50									
* 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	618			618							
* 81028400	UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	58			58							
* 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	20	20									

REV. - MS

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* SPECIALTY ITEM

USER NAME = Jessica.Hille	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	8
CONTRACT NO. 74739			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE	URBAN 100% DECATUR AIRPORT RD	URBAN 90% FED 10% STATE	URBAN 90% FEDERAL 5% STATE 5% MT ZION	URBAN 90% FEDERAL 7% STATE 3% MT ZION	URBAN 90% FEDERAL 7% STATE 3% DECATUR	URBAN 90% FEDERAL 10% DECATUR	URBAN 80% FEDERAL 20% DECATUR	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD	
CODE NO	ITEM	UNIT		0005	0005	0021	0021	0021	0021	0021	0005	0005	
* 81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	20	20									
* 81400100	HANDHOLE	EACH	11			10		1					
* 81400200	HEAVY-DUTY HANDHOLE	EACH	1	1									
* 81400300	DOUBLE HANDHOLE	EACH	3			3							
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1		1								
* 81500100	GULFBOX JUNCTION	EACH	9			3	2		1	3			
* 81702420	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	585				226		359				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8			1	1	2	1	3			
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	6				1	2	1	2			
* 85700310	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1			1							
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	4			1	1	2					
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 30	FOOT	3333			767	379	702		1485			

REV. - MS

MODEL: Default
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* SPECIALTY ITEM	USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					320	101RS-2	MACON	148	9	
	PLOT DATE = 12/22/2022	CHECKED -	REVISED -					SCALE: SHEET 7 OF 11 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -								CONTRACT NO. 74739		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE	URBAN 100% DECATUR AIRPORT RD	URBAN 90% FED 10% STATE	URBAN 90% FEDERAL 5% STATE 5% MT ZION	URBAN 90% FEDERAL 7% STATE 3% MT ZION	URBAN 90% FEDERAL 7% STATE 3% DECATUR	URBAN 90% FEDERAL 10% DECATUR	URBAN 80% FEDERAL 20% DECATUR	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD	
CODE NO	ITEM	UNIT		0005	0005	0021	0021	0021	0021	0021	0005	0005	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14	50 FOOT	18825			7079	1140	1712	1777	7117			
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14	70 FOOT	4738			466	432	610	844	2386			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14	FOOT	5444			4238	261	249	255	441			
	1 PAIR												
* 87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14	FOOT	252			252							
	3C												
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6	FOOT	309			18	22	89	49	131			
	2 C												
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	1454			803	142	235	70	204			
	GROUNDING CONDUCTOR, NO. 6 1C												
* 87502420	TRAFFIC SIGNAL POST, GALVANIZED STEEL 8 FT.	EACH	1			1							
* 87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	6				2	3		1			
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	10			2	1	1	2	4			
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	14				5	4	1	4			
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	3					1		2			
* 87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED	EACH	7					7					
	STEEL, TYPE I												

REV. - MS

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* SPECIALTY ITEM	USER NAME = Jessica.Hille	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/22/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 8 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74739	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE 0005	URBAN 100% DECATUR AIRPORT RD 0005	URBAN 90% FED 10% STATE 0021	URBAN 90% FEDERAL 5% STATE 5% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% DECATUR 0021	URBAN 90% FEDERAL 10% DECATUR 0021	URBAN 80% FEDERAL 20% DECATUR 0005	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD 0005	
CODE NO	ITEM	UNIT											
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1								1		
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1								1		
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2			1		1					
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1						1				
* 87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1				1						
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1					1					
* 87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1			1							
* 87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	2							2			
* 87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1							1			
* 87700408	STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1			1							
* 87700428	STEEL MAST ARM ASSEMBLY AND POLE, 74 FT.	EACH	1			1							
* 87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	2				1		1				
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	36			9	12	6		9			
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5			3.5							
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3.5	3.5									

REV. - MS

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* SPECIALTY ITEM	USER NAME = Jessica.Hille	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 9	OF 11 SHEETS	STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74739	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				URBAN 80% FEDERAL 20% STATE 0005	URBAN 100% DECATUR AIRPORT RD 0005	URBAN 90% FED 10% STATE 0021	URBAN 90% FEDERAL 5% STATE 5% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% DECATUR 0021	URBAN 90% FEDERAL 10% DECATUR 0021	URBAN 80% FEDERAL 20% DECATUR 0005	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD 0005	
CODE NO	ITEM	UNIT											
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10								10		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	153			28	28	26	28	43			
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	67			46				21			
* 87900200	DRILL EXISTING HANDHOLE	EACH	31			2	8	9	3	9			
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	52			12	8	8	6	18			
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	45			12	4	4	6	19			
* 88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	11				2	2	2	5			
* 88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	11				2	2	2	5			
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1							
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1			1							
* 88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	14				4	10					

REV. - MS

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* SPECIALTY ITEM	USER NAME = Jessica.Hille	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/22/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 10	OF 11 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	12
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT		URBAN 80% FEDERAL 20% STATE 0005	URBAN 100% DECATUR AIRPORT RD 0005	URBAN 90% FED 10% STATE 0021	URBAN 90% FEDERAL 5% STATE 5% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% DECATUR 0021	URBAN 90% FEDERAL 10% DECATUR 0021	URBAN 80% FEDERAL 20% DECATUR 0005	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD 0005	
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	119			26	16	16	16	45			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	90			20	12	16	10	32			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	8469	384		1747	1425	1284	976	2653			
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2			1				1			
* 89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	7			1	1	2	1	2			
* 89502215	MODIFY EXISTING CONTROLLER FOUNDATION	EACH	2							2			
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	11658	160			2089	689	2562	6158			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8			1	1	2	1	3			
89502380	REMOVE EXISTING HANDHOLE	EACH	12	1		11							
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1			1							
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	26			9	4	3	2	8			
* X0301242	PIEZO AXLE SENSOR, CLASS II	FOOT	86	86									
* X0323071	SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	1			1							
* X0327116	SOLAR POWER ASSEMBLY	EACH	1	1									

REV. - MS

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* SPECIALTY ITEM	USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						320	101RS-2	MACON	148	13
	PLOT DATE = 12/22/2022	CHECKED -	REVISED -		SCALE:		SHEET 11	OF 11 SHEETS	STA.	TO STA.	CONTRACT NO. 74739		
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT		URBAN 80% FEDERAL 20% STATE 0005	URBAN 100% DECATUR AIRPORT RD 0005	URBAN 90% FED 10% STATE 0021	URBAN 90% FEDERAL 5% STATE 5% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% MT ZION 0021	URBAN 90% FEDERAL 7% STATE 3% DECATUR 0021	URBAN 90% FEDERAL 10% DECATUR 0021	URBAN 80% FEDERAL 20% DECATUR 0005	URBAN 80% FEDERAL 20% MACON CO LOST BRIDGE ROAD 0005	
* X1400202	LUMINAIRE (SPECIAL)	EACH	2				1		1				
X4060995	TEMPORARY RAMP, SPECIAL	SQ YD	1190	1190									
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	57			57							
X4402805	ISLAND REMOVAL	SQ FT	1257	310	947								
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	7919	7708	211								
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28									
* X8050115	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	7			1	1	2	1	2			
* X8730810	ELECTRIC CABLE IN CONDUIT, CONOGA-30003	FOOT	100	100									
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	18			4	10		4				
* X8812815	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, SPECIAL	EACH	4						4				
* X8910050	ILLUMINATED SIGN, SPECIAL	EACH	2			2							
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1								
Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	20	20									

REV. - MS

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* SPECIALTY ITEM

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	DRAWN -	REVISED -
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PLOT DATE = 12/22/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

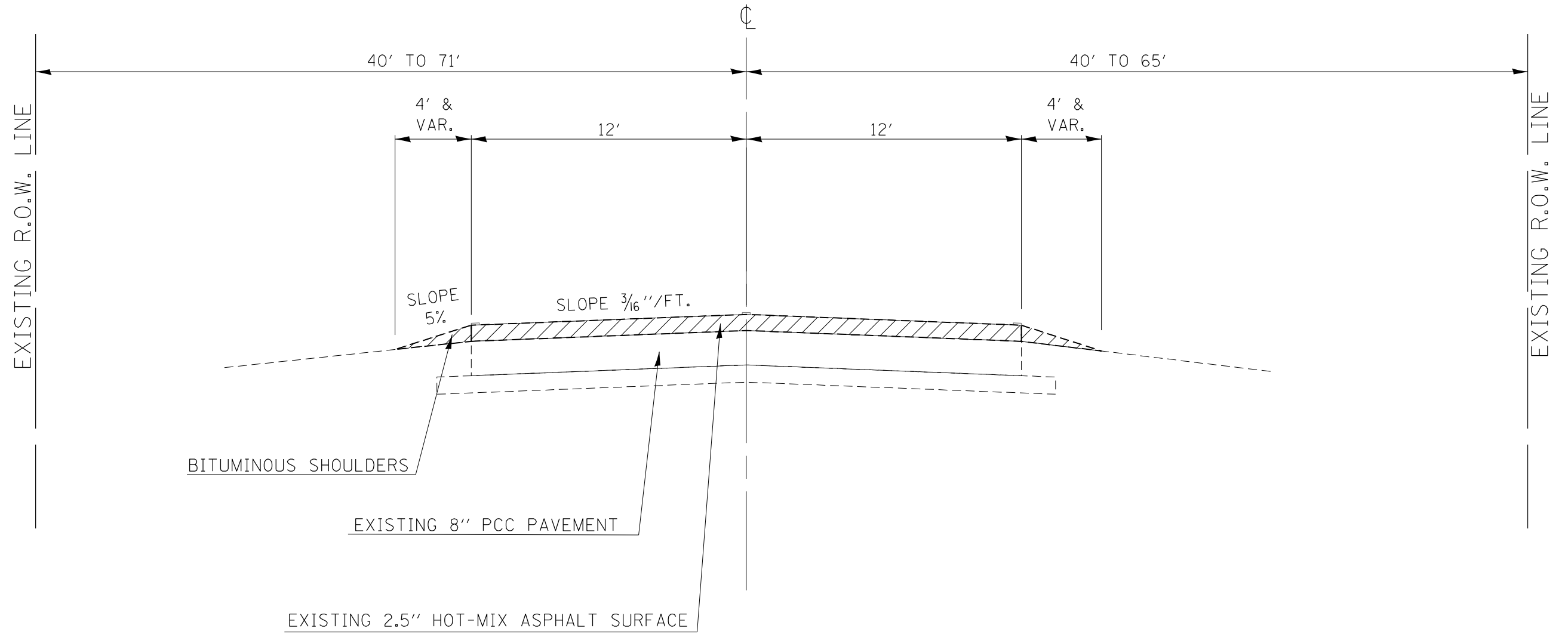
SUMMARY OF QUANTITIES

SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 14
CONTRACT NO. 74739			ILLINOIS FED. AID PROJECT	

① EXISTING TYPICAL CROSS SECTION

IL 121
STA. 273+40 TO STA. 288+05.81



HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"

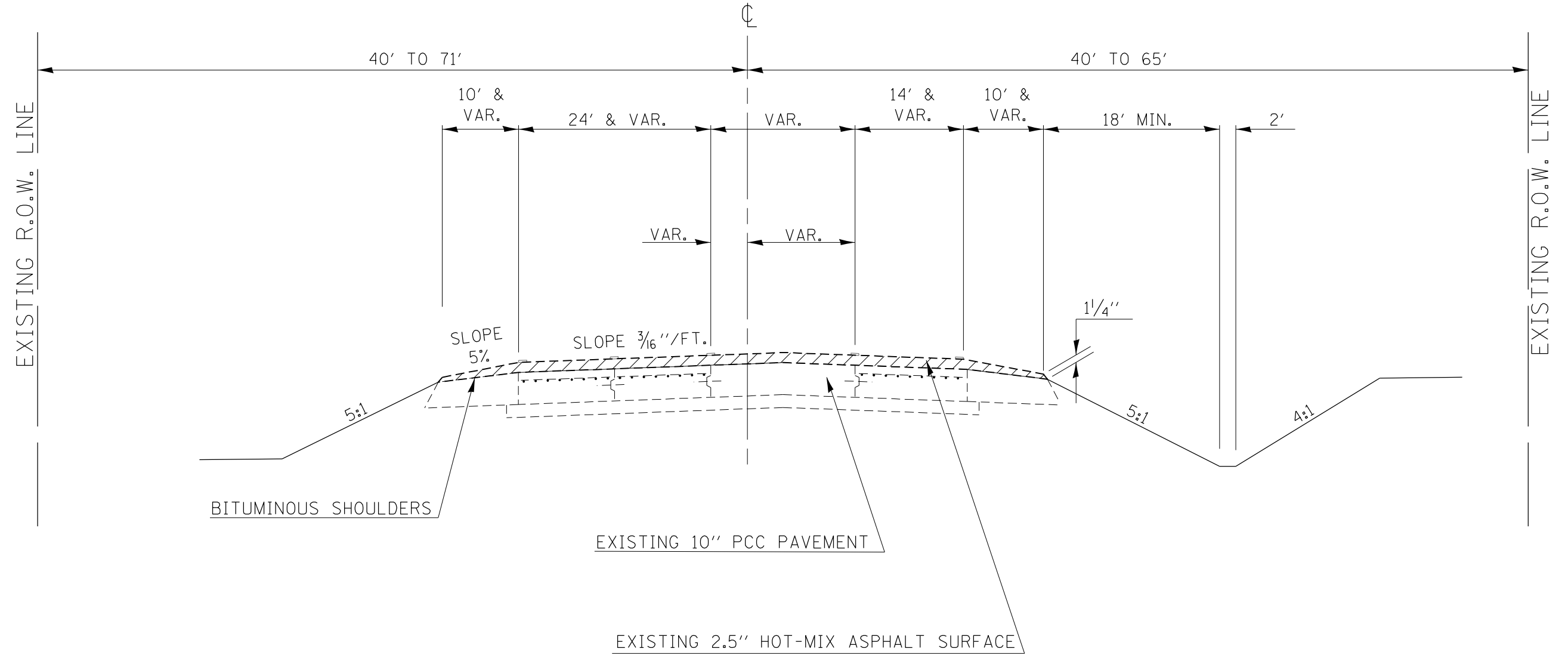
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74739					
	PLOT DATE = 12/22/2022	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT

② EXISTING TYPICAL CROSS SECTION

IL 121

STA. 288+05.81 TO STA. 297+55.39



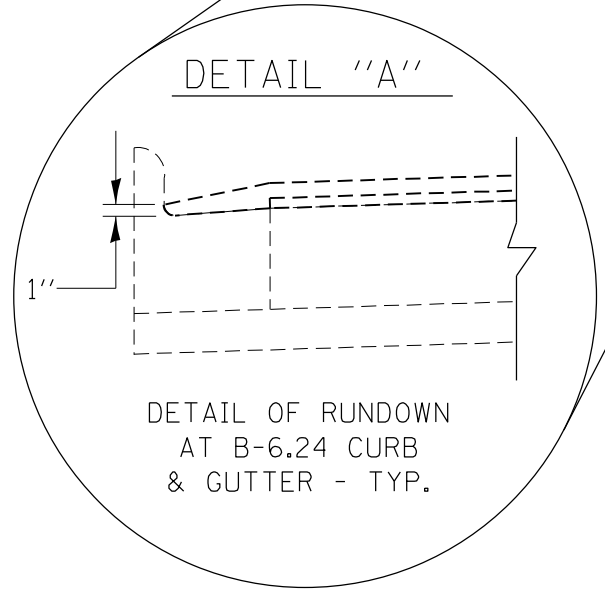
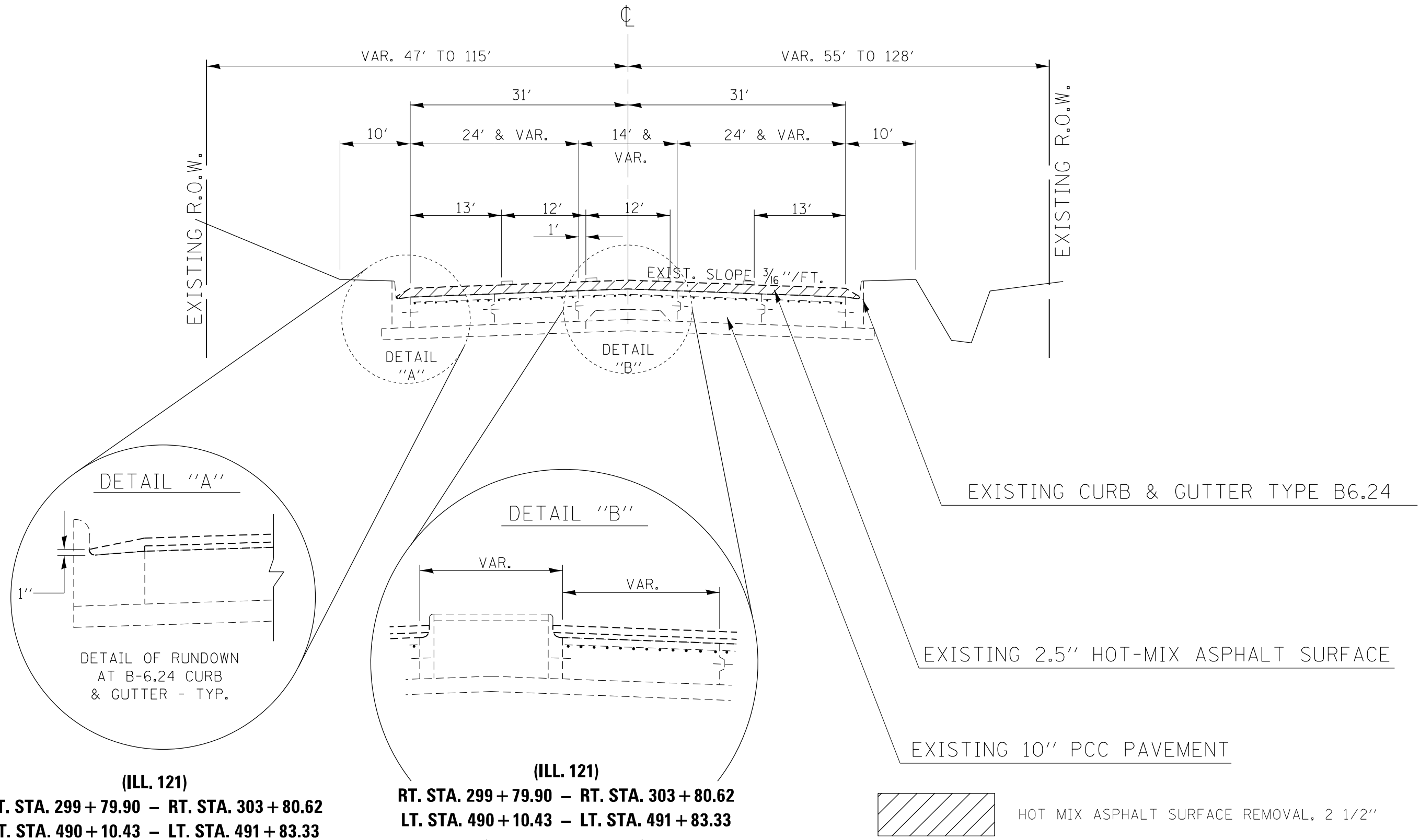
HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"

FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 121 EXISTING TYPICAL CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 12/22/2022						ILLINOIS FED. AID PROJECT					

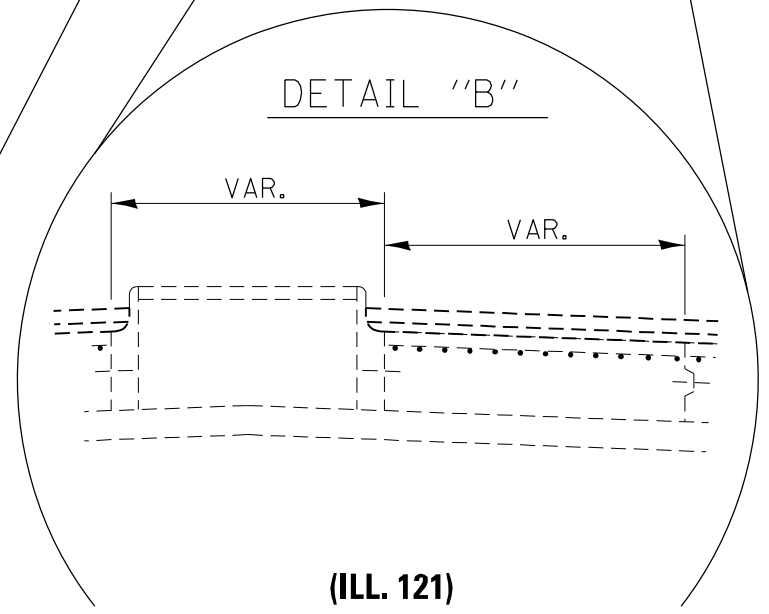
③ EXISTING TYPICAL CROSS SECTION

IL 121
STA. 297+55.39 TO STA. 492+04

BRIDGE OMISSION:
STATION 420+42.90 TO STATION 422+69.90



(ILL. 121)
RT. STA. 299 + 79.90 – RT. STA. 303 + 80.62
LT. STA. 490 + 10.43 – LT. STA. 491 + 83.33



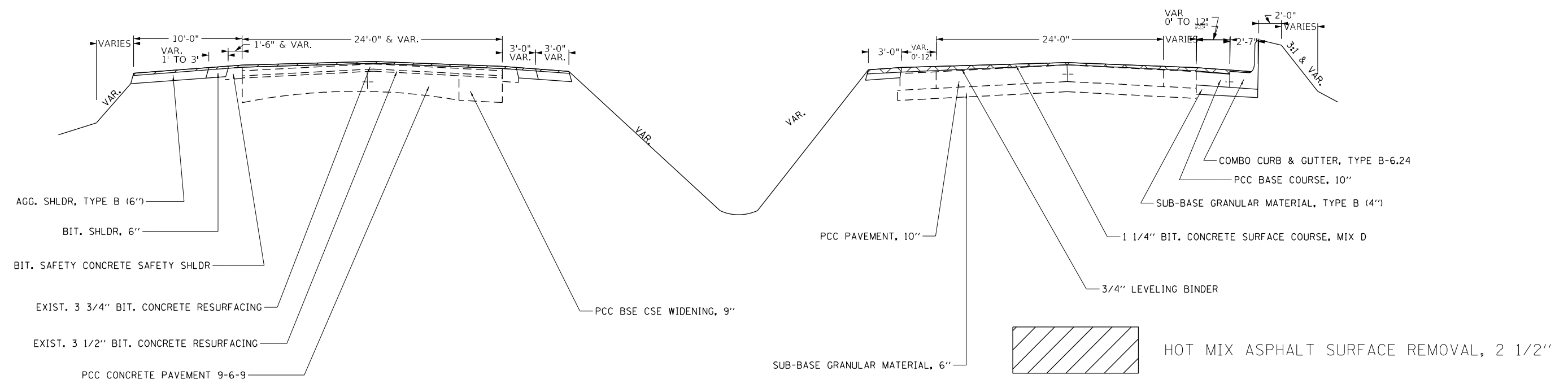
(ILL. 121)
RT. STA. 299 + 79.90 – RT. STA. 303 + 80.62
LT. STA. 490 + 10.43 – LT. STA. 491 + 83.33

HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"

FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 121 EXISTING TYPICAL CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	12/22/2022	DATE -	REVISED -					320	10IRS-2	MACON	148	17
		CHECKED -	REVISED -		CONTRACT NO. 74739			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

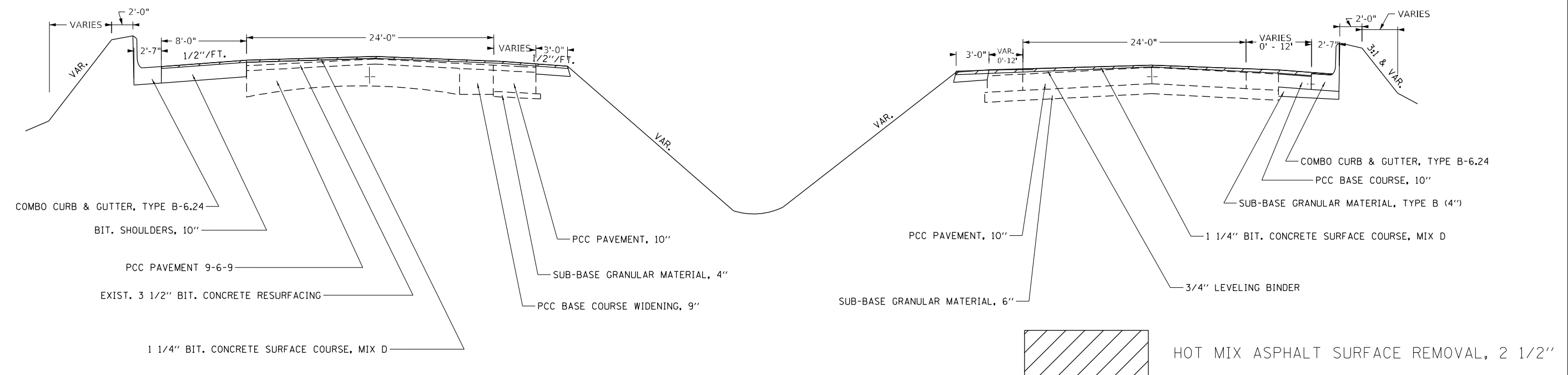
④ EXISTING TYPICAL CROSS SECTION

US 36
STA. 277+00 TO STA. 278+00



⑤ EXISTING TYPICAL CROSS SECTION

US 36
STA. 278+00 TO STA. 280+00



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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
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PLOT DATE = 1/31/2023	DATE -	REVISED -

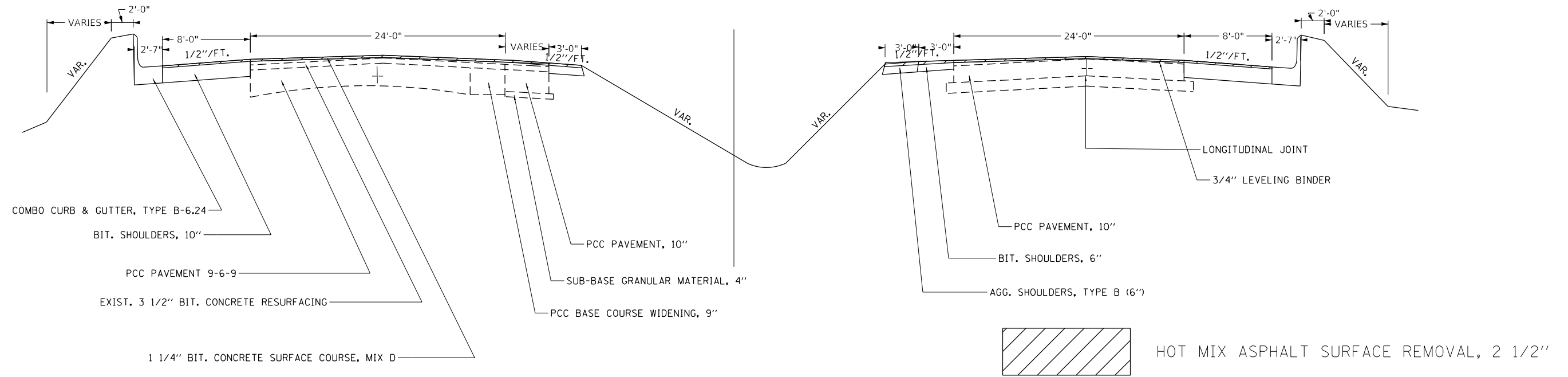
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 36 EXISTING TYPICAL CROSS SECTIONS			
SCALE:	SHEET 15	OF 19 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	18
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

⑥ EXISTING TYPICAL CROSS SECTION

US 36
STA. 280+00 TO STA. 284+00



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	DRAWN -	REVISED -
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PLOT DATE = 1/31/2023	DATE -	REVISED -

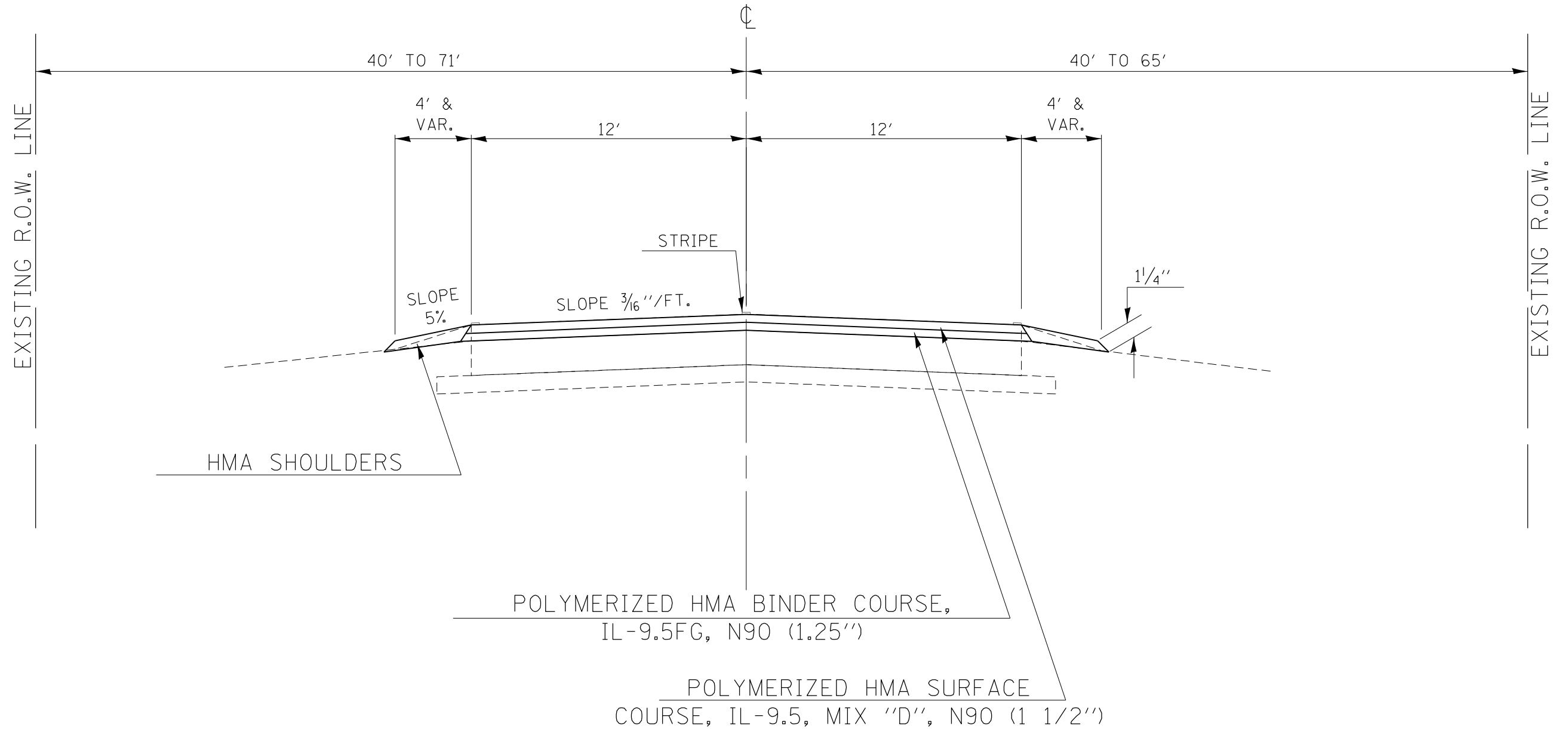
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 36 EXISTING TYPICAL CROSS SECTIONS			
SCALE:	SHEET 16	OF 19 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	19
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

① PROPOSED TYPICAL CROSS SECTION

IL 121
 STA. 273+40 TO STA. 288+05.81



FILE NAME =	USER NAME = Mono.Steffen	DESIGNED -	REVISED -
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Default	PLOT DATE = 1/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 121 PROPOSED TYPICAL
 CROSS SECTIONS**

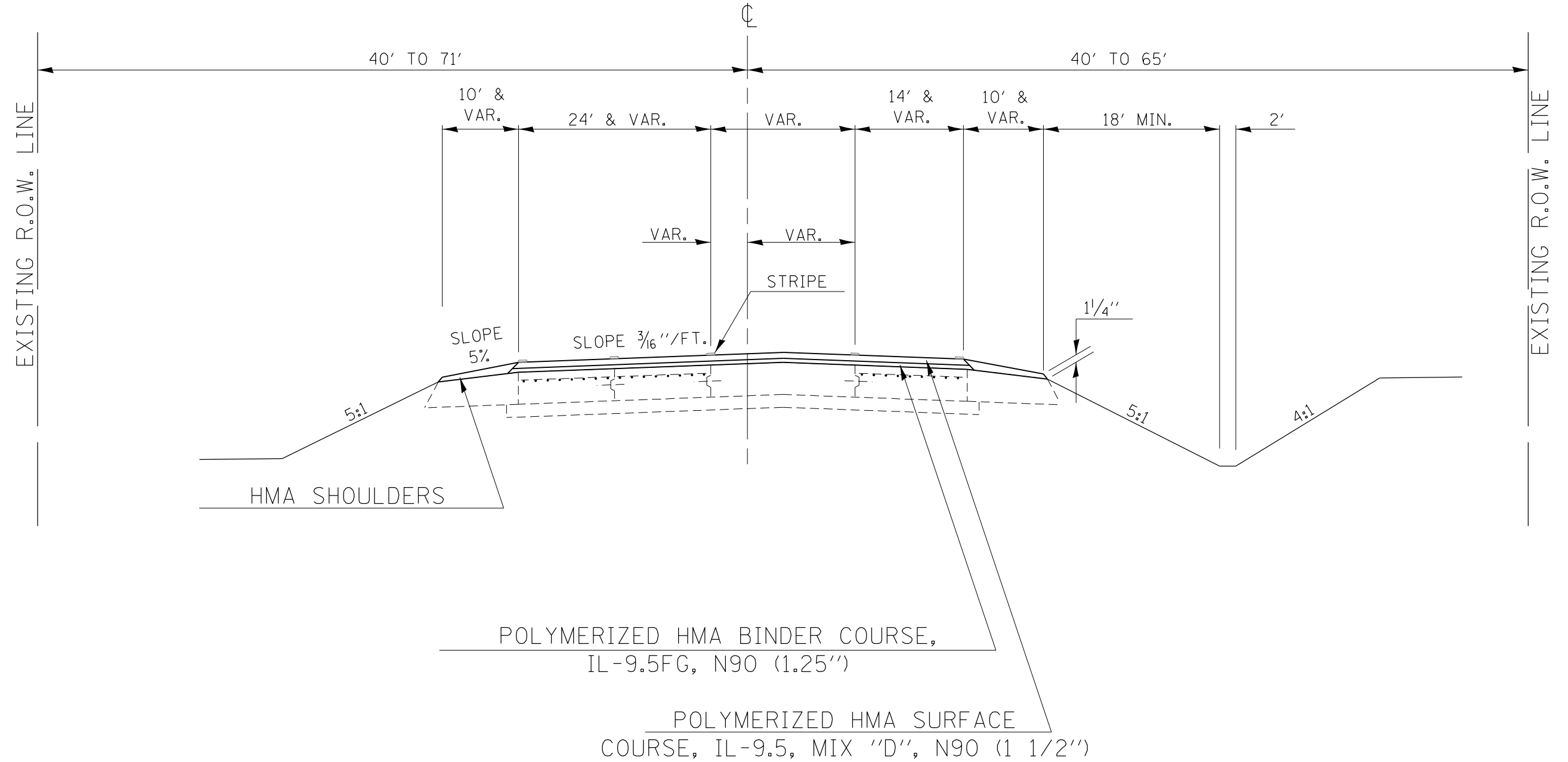
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	10IRS-2	MACON	148	20
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

② PROPOSED TYPICAL CROSS SECTION

IL 121

STA. 288+05.81 TO STA. 297+55.39

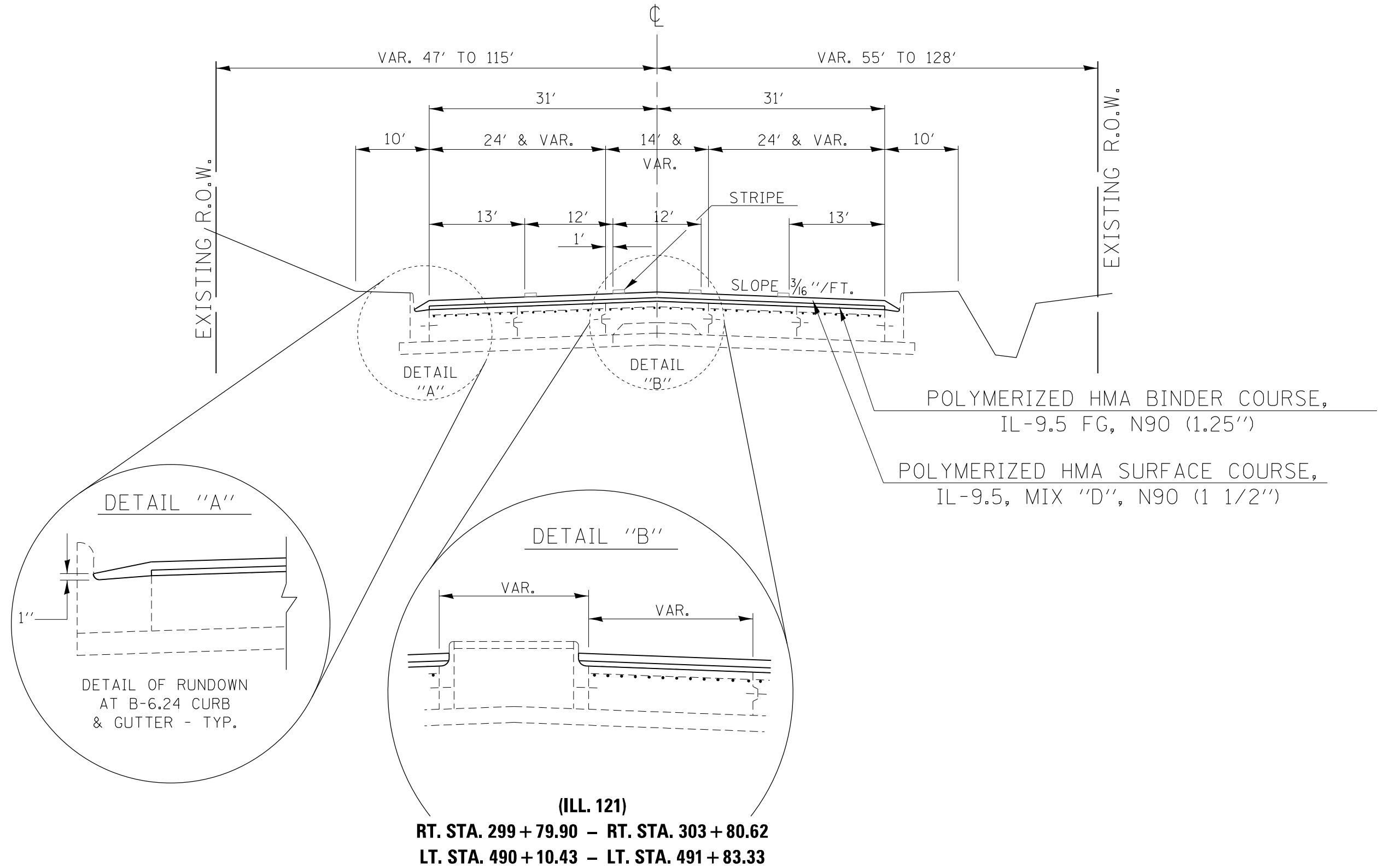


FILE NAME =	USER NAME = Mono.Steffen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 121 PROPOSED TYPICAL CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74739\CADD\Drawings\Sheets\0774739-sh-typical.dgn	DRAWN	REVISIONS	REVISIONS			320	10IRS-2	MACON	148	21	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74739					
	PLOT DATE = 1/31/2023	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

③ PROPOSED TYPICAL CROSS SECTION

IL 121
STA. 297+55.39 TO STA. 492+04

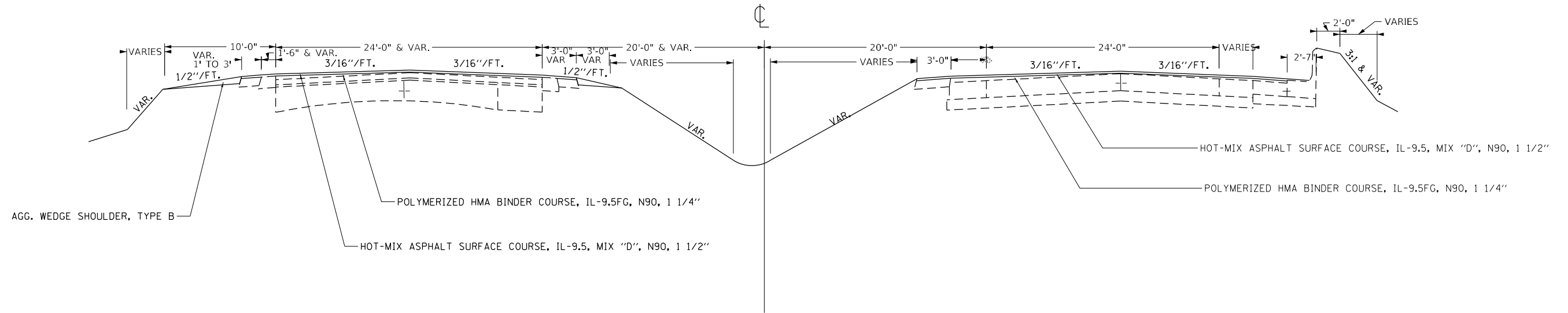
BRIDGE OMISSION:
STATION 420+42.90 TO STATION 422+69.90



FILE NAME =	USER NAME = Mono.Steffen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 121 PROPOSED TYPICAL CROSS SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74739\CADD\Drawings\74739-sh-typical.dgn		CHECKED -	REVISED -		320	10IR5-2	MACON	148	22				
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		CONTRACT NO. 74739				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 1/31/2023				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

④ PROPOSED TYPICAL CROSS SECTION

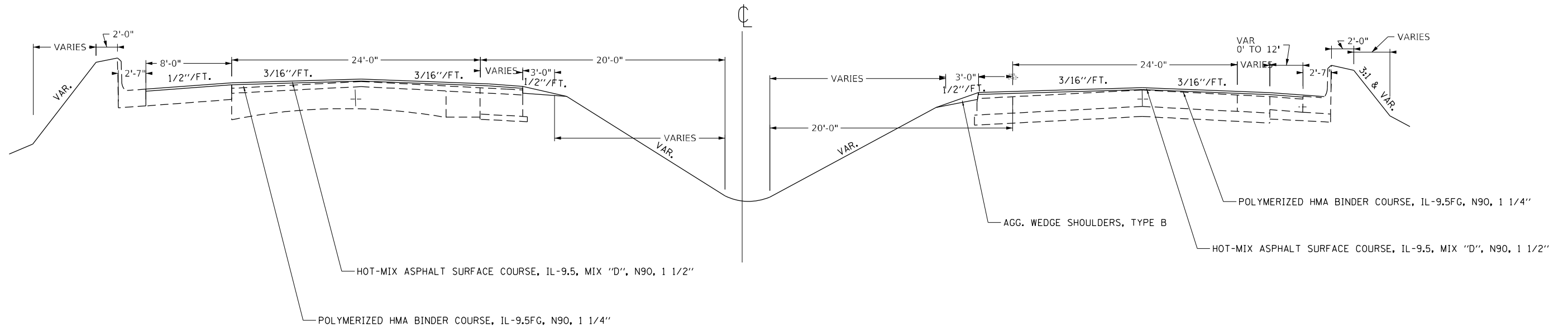
US 36
STA. 277+00 TO STA. 278+00



••Note: Turn Lanes Shown on Pavement Plan Sheets••

⑤ PROPOSED TYPICAL CROSS SECTION

US 36
STA. 278+00 TO STA. 280+00



••Note: Turn Lanes Shown on Pavement Plan Sheets••

MODEL: Default
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

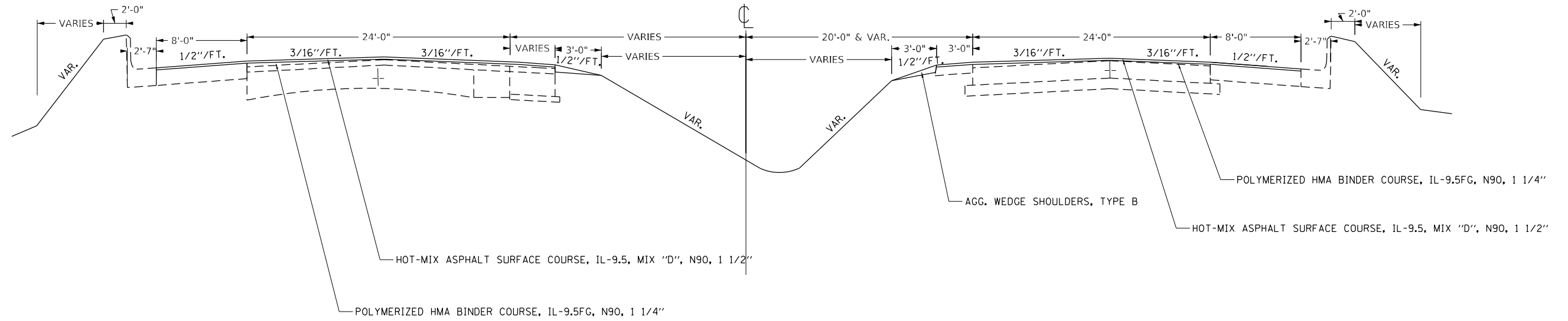
US 36 PROPOSED TYPICAL
CROSS SECTIONS

SCALE: SHEET 15 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	23
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

⑥ PROPOSED TYPICAL CROSS SECTION

US 36
STA. 280+00 TO STA. 284+00



••Note: Turn Lanes Shown on Pavement Plan Sheets••

MODEL: Default
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 36 PROPOSED TYPICAL
CROSS SECTIONS

SCALE: SHEET 16 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	24
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

Model: Default
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PAVING SCHEDULE											
STATION	TO	STATION	FEET	FEET	SO FT	SO YD	POUND	TON	TON	SO YD	
273+40.00	TO	288+06.00	1466.0	32.0	46912	5212	3518	365	328	1303.0	
288+06.00	TO	289+84.00	178.0	41.0	7298.0	811	547	57	40	316	
289+84.00	TO	295+90.00	606.0	48.0	29088.0	3232	2182	226	181	1077.0	
295+90.00	TO	297+60.00	170.0	52.0	8840.0	982	663	69	57	302.0	
297+60.00	TO	299+00.00	140.0	45.0	6300.0	700	473	49	59	124.0	
299+00.00	TO	299+50.00	50.0	55.0	2750.0	306	207	21	26		
299+50.00	TO	301+30.00	180.0	56.0	10080.0	1120	756	78	94		
301+30.00	TO	302+00.00	70.0	62.0	4340.0	482	326	34	41		
302+00.00	TO	303+75.00	175.0	48.0	8400.0	933	630	65	78		
303+75.00	TO	307+59.00	384.0	64.0	24576.0	2731	1843	191	229		
307+59.00	TO	312+25.88	466.9	64.0	29880.0	3320	2241	232	279		
312+25.88 = 312+24.65			STATION EQUATION								
312+24.65	TO	409+51.29	9726.6	64.0	622505	69167	46688	4842	5810		
409+51.29 = 409+58.89			STATION EQUATION								
409+58.89	TO	420+43.00	1084.1	64.0	69383.0	7709	5204.0	540	648		
420+43.00	TO	422+70.00	227.0	BRIDGE OMISSION							
422+70.00	TO	435+29.00	1259.0	64.0	80576	8953	6043	627	752		
435+29.00	TO	437+49.88	220.9	64.0	14136	1571	1060	110	132		
437+49.88 = 437+76.02			STATION EQUATION								
437+76.02	TO	439+58.00	182.0	64.0	11647	1294	874	91	109		
439+58.00	TO	440+85.00	127.0	64.0	8128	903	610	63	76		
440+85.00	TO	463+62.00	2277.0	64.0	145728	16192	10930	1133	1360		
463+62.00	TO	465+43.00	181.0	64.0	11584	1287	869	90	108		
465+43.00	TO	467+72.00	229.0	64.0	14656	1628	1100	114	137		
467+72.00	TO	475+50.00	778.0	64.0	49792	5532	3734	387	465		
475+50.00	TO	476+53.00	103.0	64.0	6592	732	494	51	62		
476+53.00	TO	477+12.00	59.0	64.0	3776.0	420	283.0	29	35		
477+12.00	TO	478+87.00	175.0	64.0	11200	1244	840	87	105		
478+87.00	TO	480+30.00	143.0	64.0	9152	1017	686	71	85		
480+30.00	TO	481+17.00	87.0	64.0	5568	619	418	43	52		
481+17.00	TO	482+49.00	132.0	64.0	8448	939	634	66	79		
482+49.00	TO	484+91.00	242.0	64.0	15488	1721	1162	121	145		
484+91.00	TO	487+55.00	264.0	69.0	18216	2024	1366	142	170		
487+55.00	TO	488+51.00	96.0	75.0	7200	800	540	56	67		
488+51.00	TO	491+84.00	333.0	75.0	24975	2775	1873	194	233		
491+84.00	TO	492+04.00	20.0	90.0	1800	200	135	14	17		
SHEET TOTAL =			146557 98929 10258 12059 3122								

PAVING SCHEDULE CONTINUED											
STATION	TO	STATION	FEET	FEET	SO FT	SO YD	POUND	TON	TON	SO YD	
US 36											
277+70.00	TO	280+00.00	230.0	97.0	22310	2479	1673	174	208	20	
280+00.00	TO	280+29.00	29.0	123.0	3567	396	268	28	33	67	
280+29.00	TO	281+00.00	71.0	88.0	6248	694	469	49	58	0	
281+00.00	TO	282+57.00	157.0	81.0	12717	1413	954	99	119	52	
282+57.00	TO	283+08.00	51.0	77.0	3927	436	295	31	37	34	
283+08.00	TO	283+33.00	25.0	77.0	1750	194	131	14	16	25	
AIRPORT ROAD			100% DECATUR								
0+46.00	TO	0+58.00	12.0	65.0	780	87	59	6	7		
0+58.00	TO	1+09.00	51.0	68.0	3468	385	260	27	32		
1+09.00	TO	1+19.00	10.0	RR OMISSION							
1+19.00	TO	2+00.00	81.0	55.0	4455	495	334	35	42		
2+00.00	TO	2+28.00	28.0	35.0	980	109	74	8	9		
MARYLAND STREET			80% FED / 20% DECATUR								
0+00.00	TO	0+35.00	35.0	54.0	1890	210	142	15	18		
1+12.00	TO	1+23.00	11.0	222.0	2442	271	183	19	23		
1+23.00	TO	1+41.50	18.5	75.0	1388	154	104	11	13		
PROSPERITY DR			80% FED / 20% DECATUR								
0+00.00	TO	0+10.00	10.0	232.0	2320	258	174	18	22		
0+74.00	TO	0+86.00	12.0	176.0	2112	235	158	16	20		
ALDI DR			80% FED / 20% DECATUR								
0+00.00	TO	0+12.00	12.0	582.0	6984	776	524	54	65		
0+78.00	TO	0+90.00	12.0	352.0	4224	469	317	33	39		
0+90.00	TO	1+02.00	12.0	116.5	1398	155	105	11	13		
RIGHT TURN LANE			80% FED / 20% DECATUR								
0+00.00	TO	0+15.00	15.0	39.0	585	65	44	5	6		
0+15.00	TO	0+26.00	11.0	332.0	3652	406	274	28	34		
LOST BRIDGE RD			80% FED / 20% MACON CO								
0+30.00	TO	0+42.00	12.0	453.0	5436	604	1078	42	51		
0+42.00	TO	1+20.00	78.0	114.5	8931	992	670	70	83		
SHEET TOTAL =			11285 8290 793 948 198								
MAINLINE TOTALS =			157842 107219 11051 13007 3320								

USER NAME = Jessica.Hille	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/22/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 25
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

TEMPORARY RAMP SCHEDULE	
TEMPORARY RAMP SCHEDULE	PAVEMENT AREA
LOCATION	SQ YD
IL 121	
273+40	22
420+43	57
422+70	57
AIRPORT ROAD	
2+00	20
2+28	32
US 36	
277+70	80
283+33	57
TOTAL	325

REMOVAL SCHEDULE								
LOCATION	ISLAND REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	100 % CITY OF DECATUR ISLAND REMOVAL	SIDEWALK REMOVAL	100% CITY OF DECATUR CONCRETE MEDIAN REMOVAL	MEDIAN REMOVAL	CONCRETE MEDIAN SURFACE REMOVAL	
	SQ FT	FOOT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	
121 & MARYLAND ST								
NORTHWEST QUADRANT		18.5		253.5				
SOUTHWEST QUADRANT		41.5		222.5				
SOUTHEAST QUADRANT		6.5		84.5				
121 & WILDWOOD/ASHLAND								
NORTHWEST QUADRANT		7.0		34.0				
SOUTHWEST QUADRANT		39.0		380.0				
SOUTHEAST QUADRANT		51.0		177.5				
NORTHEAST QUADRANT		37.5		115.5				
121 & SPITLER PARK DR								
NORTHWEST QUADRANT		25.0		156.5				
SOUTHWEST QUADRANT		21.0		75.0				
SOUTHEAST QUADRANT		37.0		246.0				
NORTHEAST QUADRANT		36.0		209.5				
121 & BROADWAY								
NORTHWEST QUADRANT		21.0		106.5				
SOUTHWEST QUADRANT		38.0		215.0				
SOUTHEAST QUADRANT		10.0		149.5				
121 & MCGAUGHEY								
NORTHEAST QUADRANT		15.5		47.0				
SOUTHEAST QUADRANT		14.5		98.5				
STA 289+84 TO STA 299+50								
STA 300+03		22.0					7708.0	
STA 300+73		9.0						
STA 302+40		22.0						
STA 302+77		9.0						
STA 303+62		9.0						
STA 411+00		55.0						
STA 491+62		176.0						57.0
STA 491+80								
STA 491+92		134.0						
AIRPORT ROAD								
STA 0+40		104.0						
STA 0+57				292.0				
STA 0+70		170.0						
STA 1+20				381.0				
STA 1+85						211.0		
SHEET TOTAL =								
	0	584	545	673	2571	211	7708	57

CONCRETE CONSTRUCTION SCHEDULE							
LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	DETECTABLE WARNINGS	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	TYPE A GUTTER	CONCRETE MEDIAN TYPE SM-6.12	CORRUGATED MEDIAN	MEDIAN SURFACE
	SQ FT	SQ FT	FOOT	FOOT	SQ FT	SQ FT	SQ FT
121 & MARYLAND ST							
NORTHWEST QUADRANT	257	11	19				
SOUTHWEST QUADRANT	263	10	42				
SOUTHEAST QUADRANT	68	11	7				
121 & WILDWOOD/ASHLAND							
NORTHWEST QUADRANT	0	0	7				
SOUTHWEST QUADRANT	518	10	39				
SOUTHEAST QUADRANT	317	20	51				
NORTHEAST QUADRANT	127	10	38				
121 & SPITLER PARK DR							
NORTHWEST QUADRANT	140	10	25				
SOUTHWEST QUADRANT	88	10	21				
SOUTHEAST QUADRANT	356	26	37				
NORTHEAST QUADRANT	290	20	36				
121 & BROADWAY							
NORTHWEST QUADRANT	128	10	21				
SOUTHWEST QUADRANT	392	20	38				
SOUTHEAST QUADRANT	195	10	10				
121 & MCGAUGHEY							
NORTHEAST QUADRANT	73	17	16				
SOUTHEAST QUADRANT	137	9	15				
STA 289+84 TO STA 299+50							
STA 300+03			22				7708
STA 300+73			9				
STA 302+40			22				
STA 302+77			9				
STA 303+62			9				
STA 411+00				55			
STA 491+80							57
AIRPORT ROAD							
0+57.5 TO 1+00.5					447		
0+17 TO 1+94.3					946		
SHEET TOTAL =							
	3349	204	493	55	1393	7708	57

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USER NAME = Jessica.Hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	26
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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Centerline Monuments					PROPOSED
Station	Offset	Northing	Easting	Description	PROTECT OR RESET
POT Sta 284+29.07	0.0'	1130048.94	835283.90	Alum. Disk Found	TYPE I - DISK - FLUSH
P.I. Sta 287+48.30	0.0'	1130130.23	834975.20	Alum. Disk Found	TYPE I - DISK - FLUSH
P.C. Sta 296+43.82	0.0'	1130359.11	834109.42	Brass Disk Found	TYPE I - DISK - FLUSH
P.C.C. Sta 305+50.0	0.0'	1130894.72	833407.38	Mag Nail	TYPE I - DISK - FLUSH
P.T. Station 312+01.05	0.0'	1131517.40	833247.50	Alum. Disk Found	TYPE I - DISK - FLUSH
312+25.88 (BK) = Sta 312+24.65 (AH)	0.0'	1131542.23	833248.08	Alum. Disk Found	TYPE I - DISK - FLUSH
P.C. Sta 325+54.63	0.0'	1132871.85	833278.85	IRON Pin Found Bent	Protect IP or Reset w/TYPE I - DISK - FLUSH
P.I. Sta 330+11.90	4.56' Right	1133329.00	833289.44	Mag Nail Set	TYPE I - DISK - FLUSH
P.T. Sta 334+69.05	0.0'	1133786.20	833281.77	Iron Pin Found	Protect IP or Reset w/TYPE I - DISK - FLUSH
P.C. Sta 370+98.14	0.0'	1137414.79	833220.97	Mag Nail Set	TYPE I - DISK - FLUSH
Equation 409+51.29(BK)=	0.0'	1141096.16	832224.37	Mag Nail Set	TYPE I - DISK - FLUSH
P.C. Sta 415+47.52	0.0'	1141609.31	831935.99	Iron Pin Found	Protect IP or Reset w/TYPE I - DISK - FLUSH
P.I. Sta 416+96.03	3.85' Left	1141738.78	831863.23	Iron Pin Found	Protect IP or Reset w/TYPE I - DISK - FLUSH
P.T. Sta 418+44.28	0.0'	1141875.08	831804.25	Iron Pin Found	Protect IP or Reset w/TYPE I - DISK - FLUSH
P.C. Sta 426+17.29	0.0'	1142584.51	831497.25	Iron Pin Found	Protect IP or Reset w/TYPE I - DISK - FLUSH
Equation 437+49.88 (BK) =	0.0'	1143684.84	831261.87	Iron Pin Found	Reset w/TYPE I - DISK - FLUSH
P.I. Sta 446+34.50	0.0'	1144543.25	831250.66	Iron Pin Found	Protect IP or Reset w/TYPE I - DISK - FLUSH
P.I. Sta 458+91.30	0.0'	1145799.94	831233.53	Mag Nail Set	TYPE I - DISK - FLUSH
P.I. Sta 471+70.70	0.0'	1147079.22	831216.42	Iron Pin Found	Protect IP or Reset w/TYPE I - DISK - FLUSH
P.I. Sta 492+50.37	0.0'	1149158.71	831188.64	Mag Nail Found	TYPE I - DISK - FLUSH

Section Corners					
Station	Offset	Northing	Easting	Description	
342+96.33	2.71 Left	1134613.33	833265.19	Brass Disk in Alum. Vault	Disk in Vault
355+79.02	4.61 Left	1135895.79	833241.82	Brass Disk in Alum. Vault	Disk in Vault
462+78.06	3.56 Left	1146186.60	831224.80	Brass Disk in Alum. Vault	Disk in Vault
489+09.41	6.68 Left	1148817.69	831186.50	Brass Disk in Alum. Vault	Disk in Vault

USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -				320	101RS-2	MACON	148	27
PLOT DATE = 12/22/2022	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 74739				
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

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	USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						320	101RS-2	MACON	148	31
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 74739								
	PLOT DATE = 12/22/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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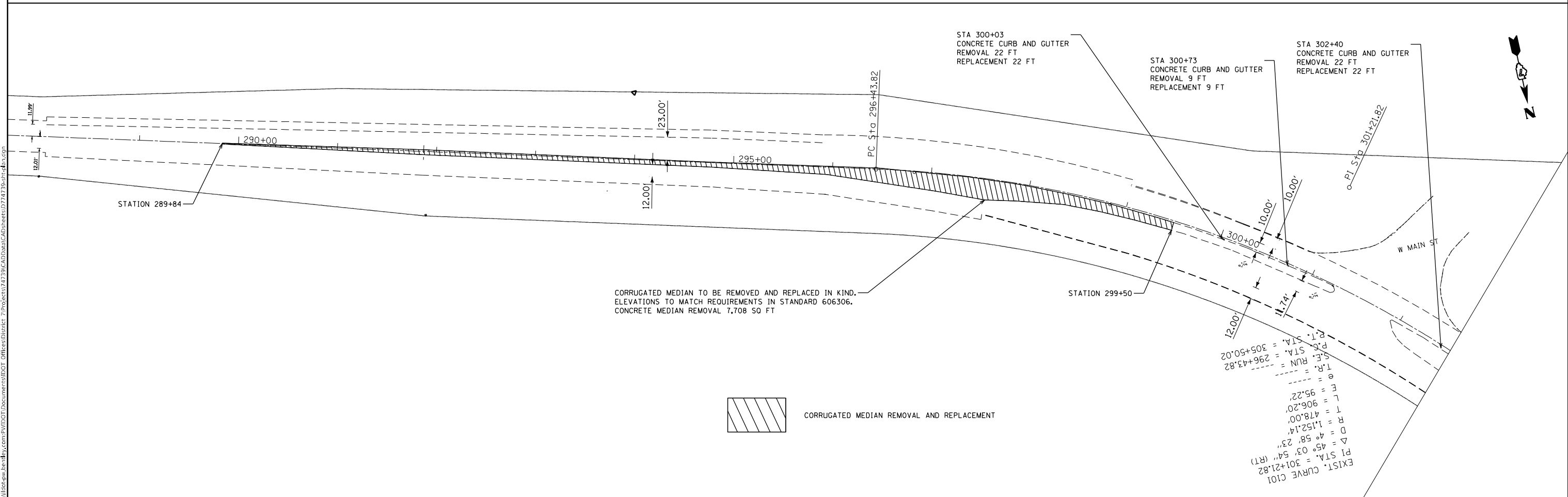
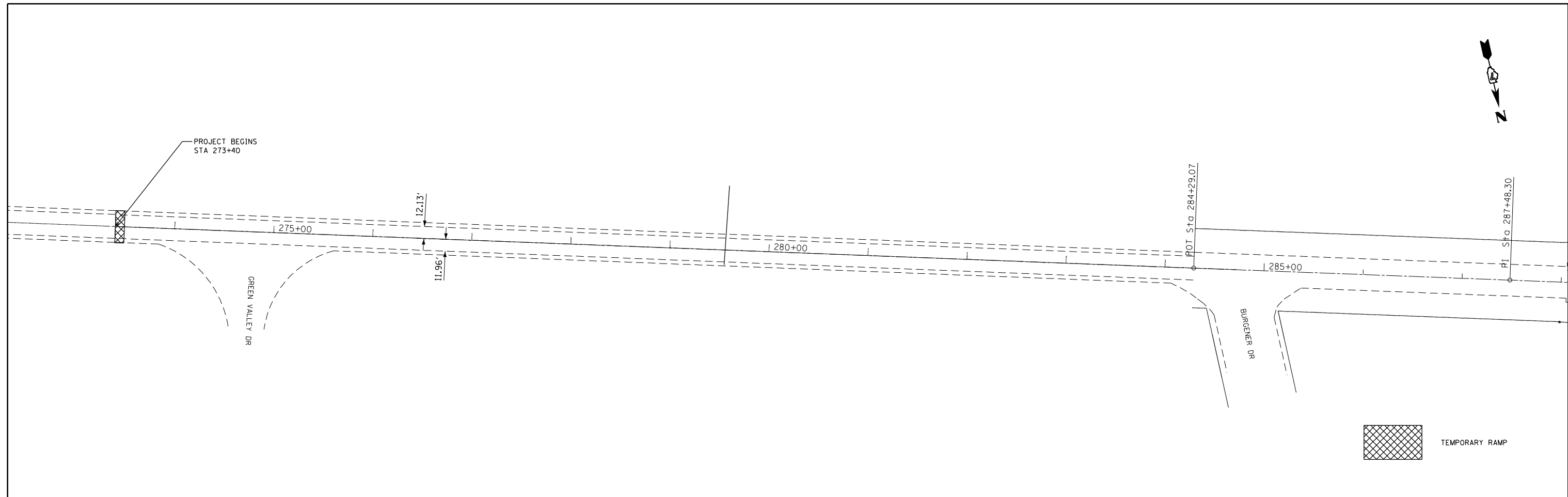
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	USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						320	101RS-2	MACON	148	32
	PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 74739								
	PLOT DATE = 12/22/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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	USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						320	101RS-2	MACON	148	33
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	PLOT DATE = 12/22/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



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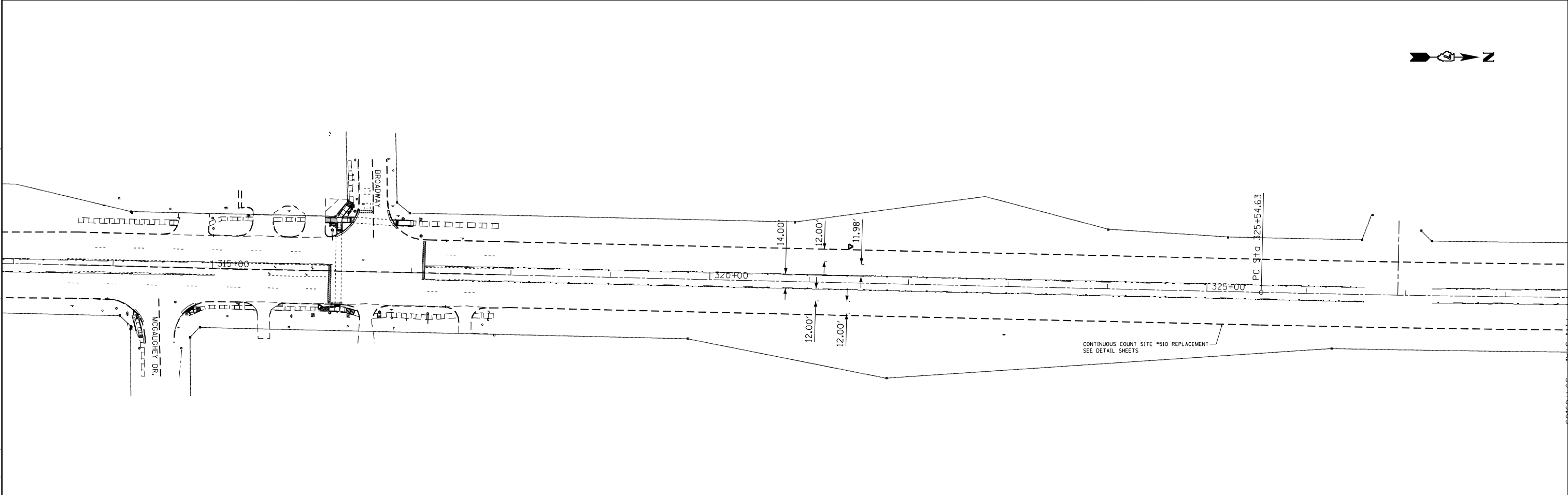
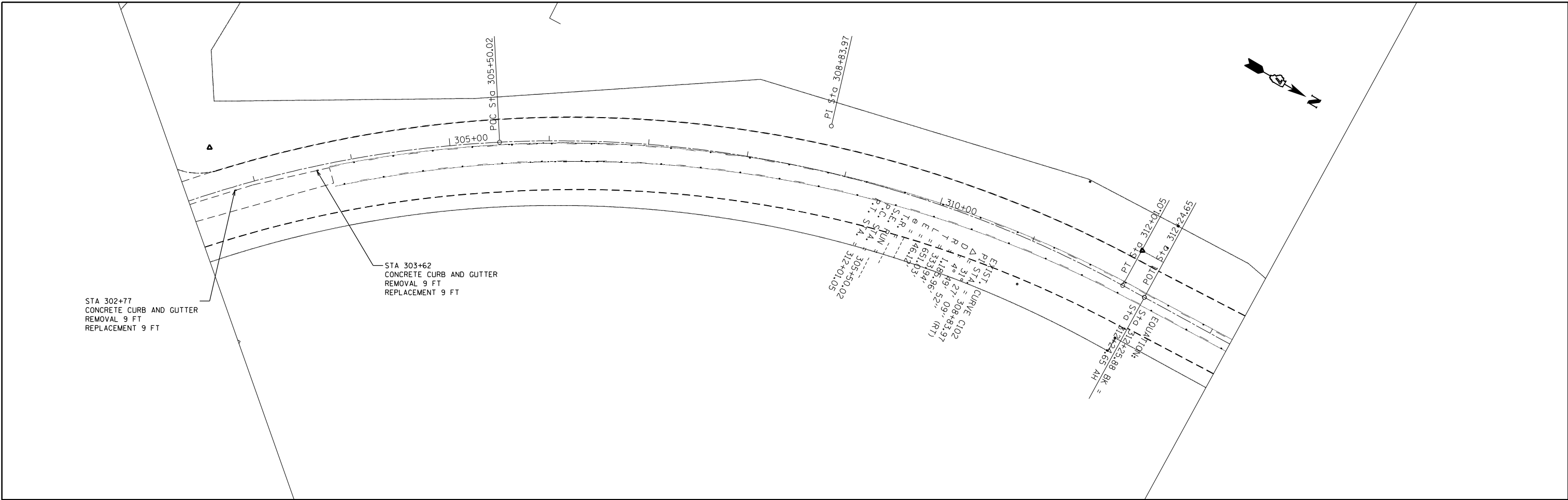
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PLOT DATE = 1/31/2023	DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PLANS SHEET
STATION 273+40 TO STATION 302+00

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. = 320	SECTION = 101RS-2	COUNTY = MACON	TOTAL SHEETS = 148	SHEET NO. = 34
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



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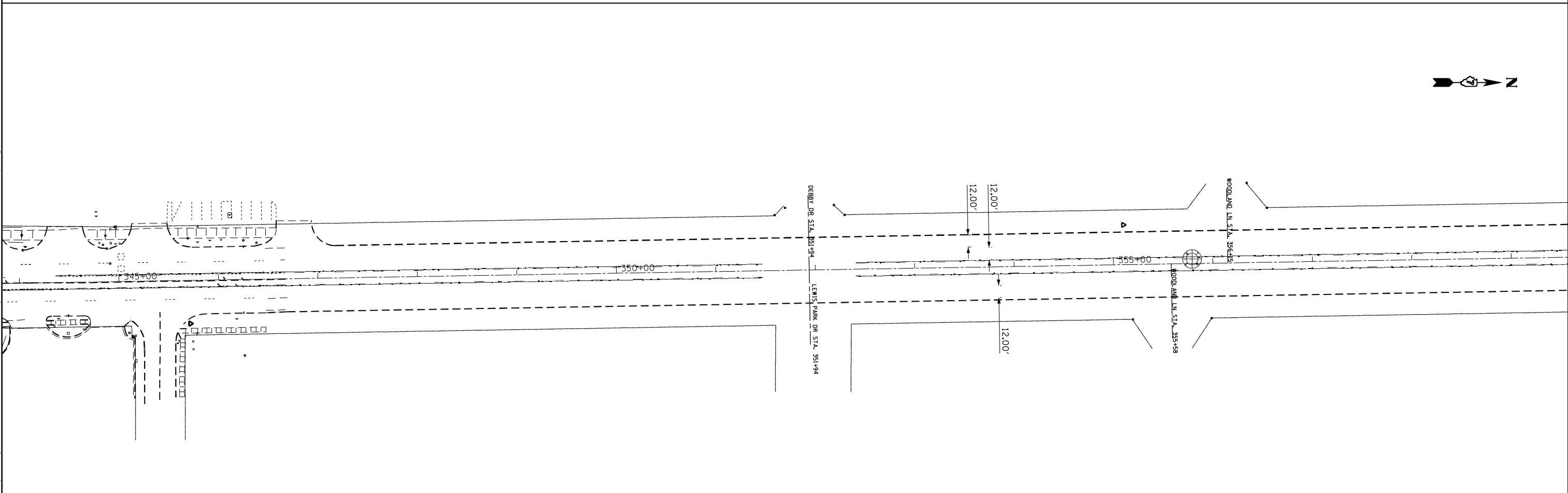
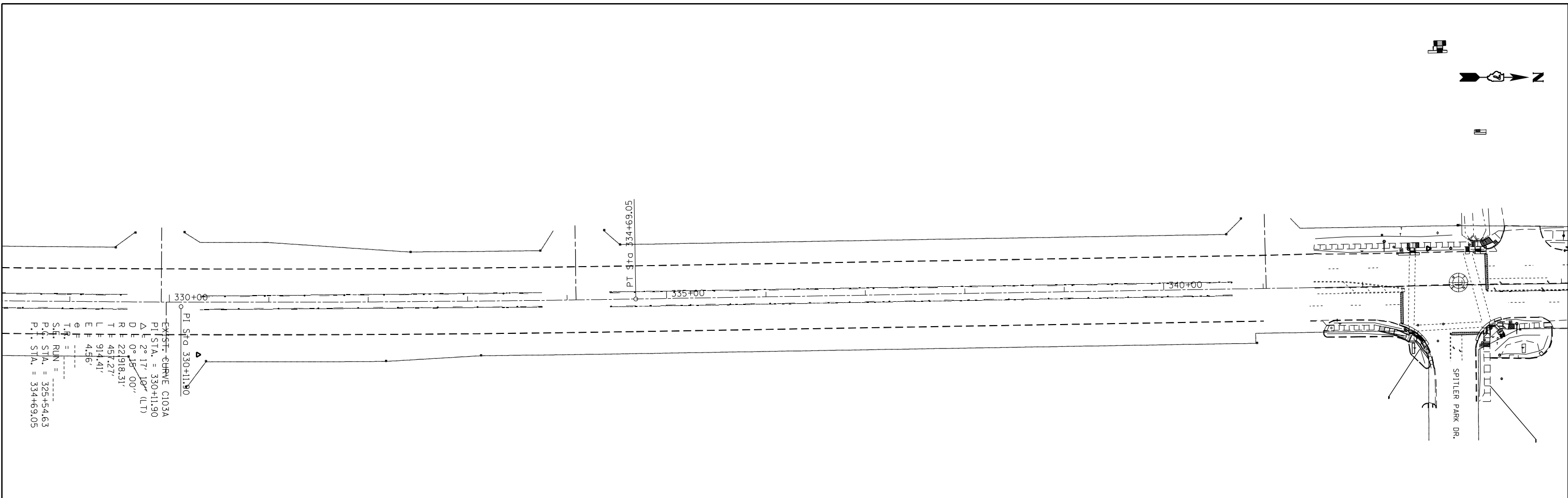
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PLOT DATE = 1/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PLANS SHEET
STATION 303 + 00 TO STATION 328 + 00

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 35
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



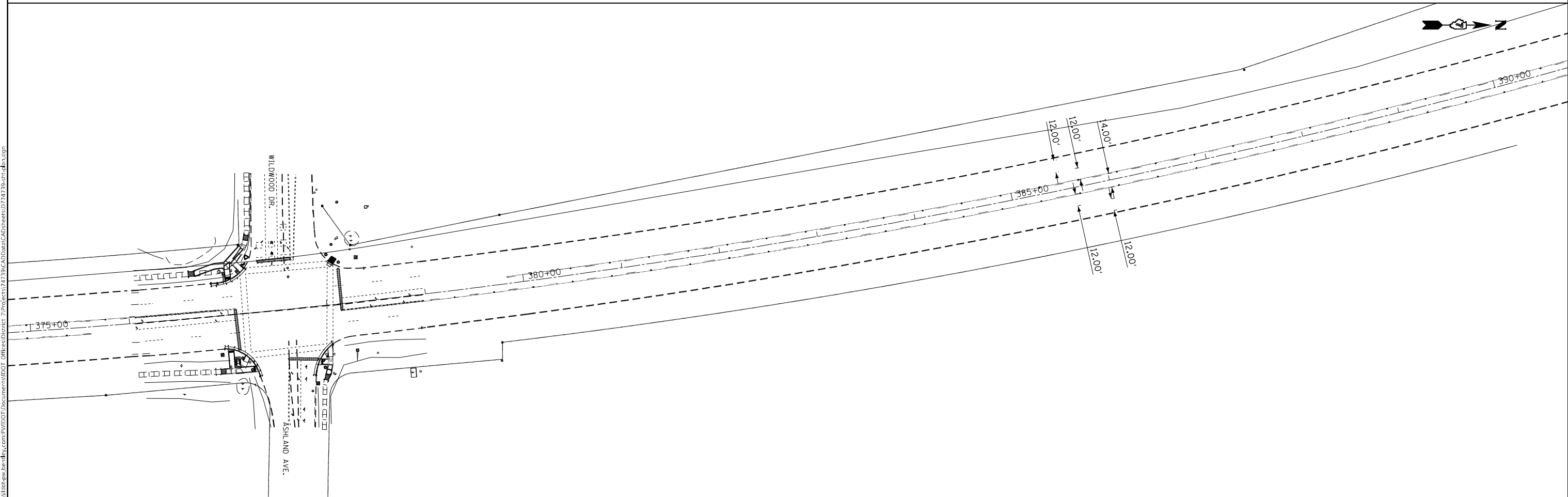
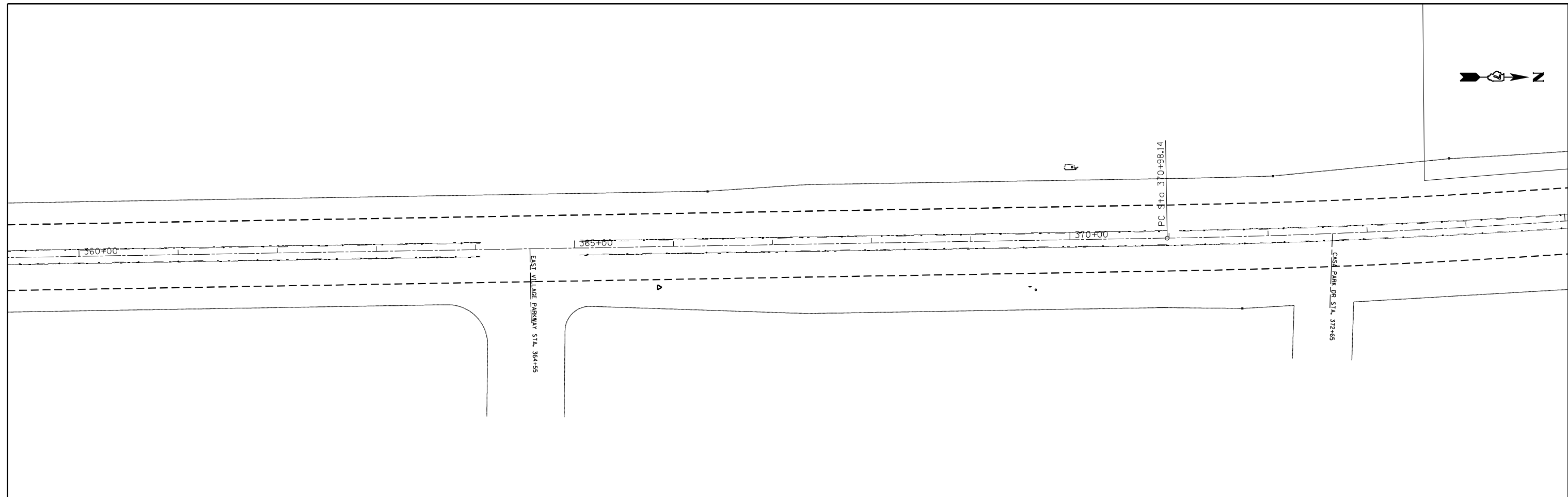
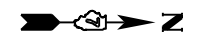
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PLANS SHEET STATION 329 + 00 TO STATION 359 + 00			
SCALE:	SHEET 3	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	36
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



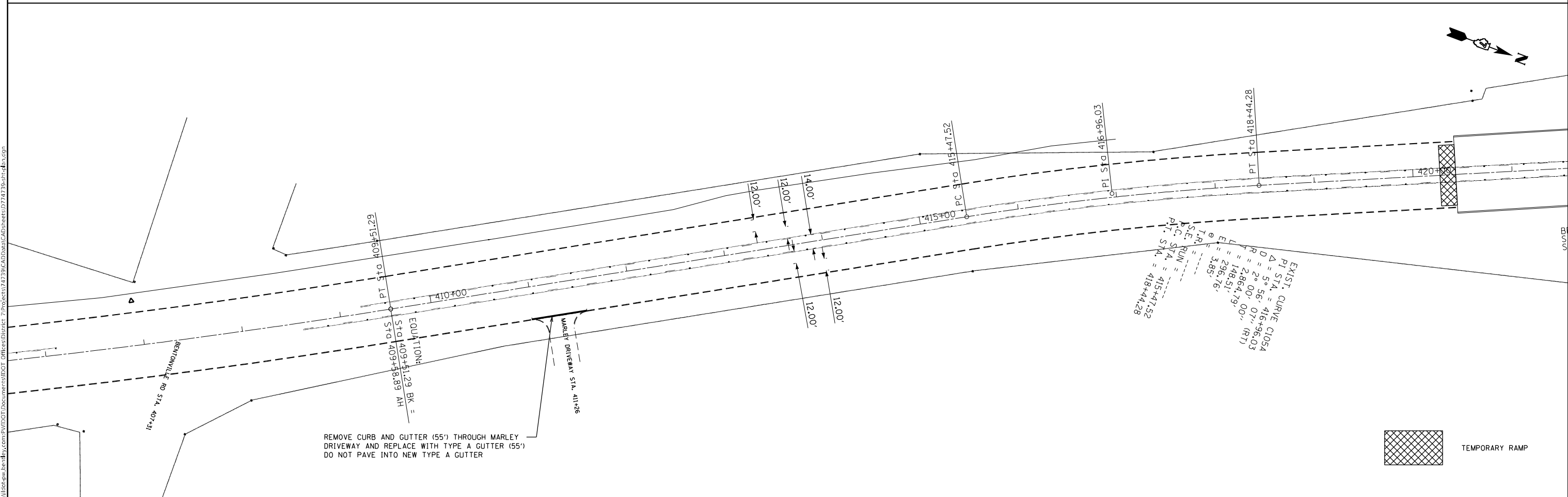
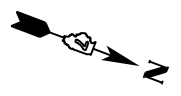
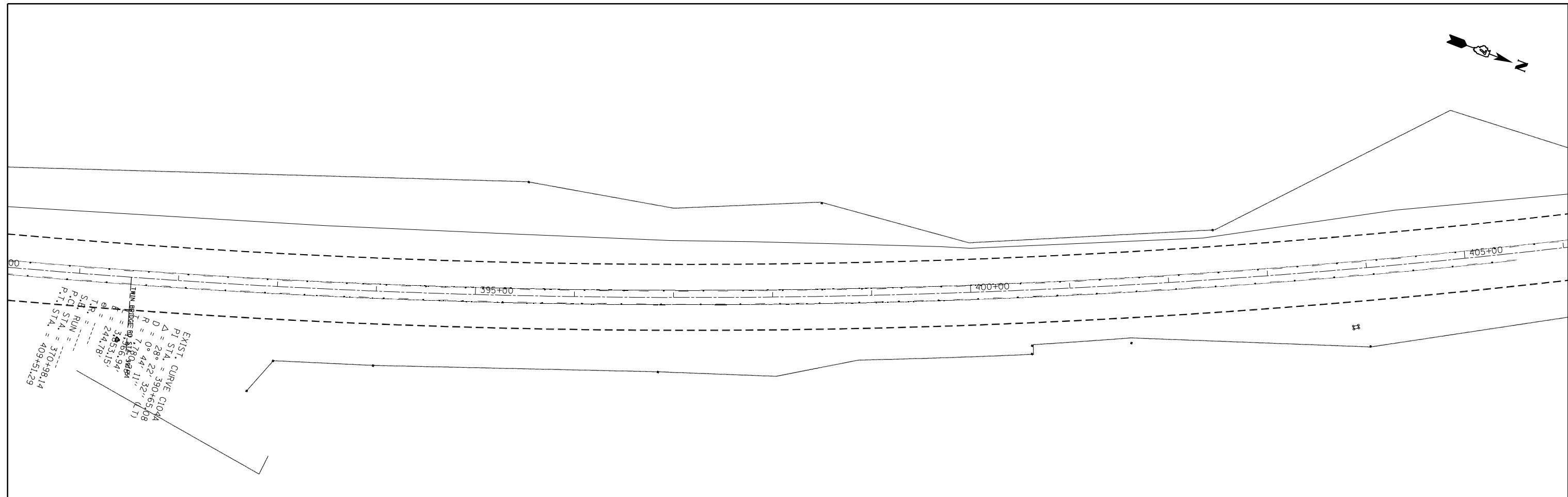
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PLANS SHEET STATION 360+00 TO STATION 390+00			
SCALE:	SHEET 4	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	37
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



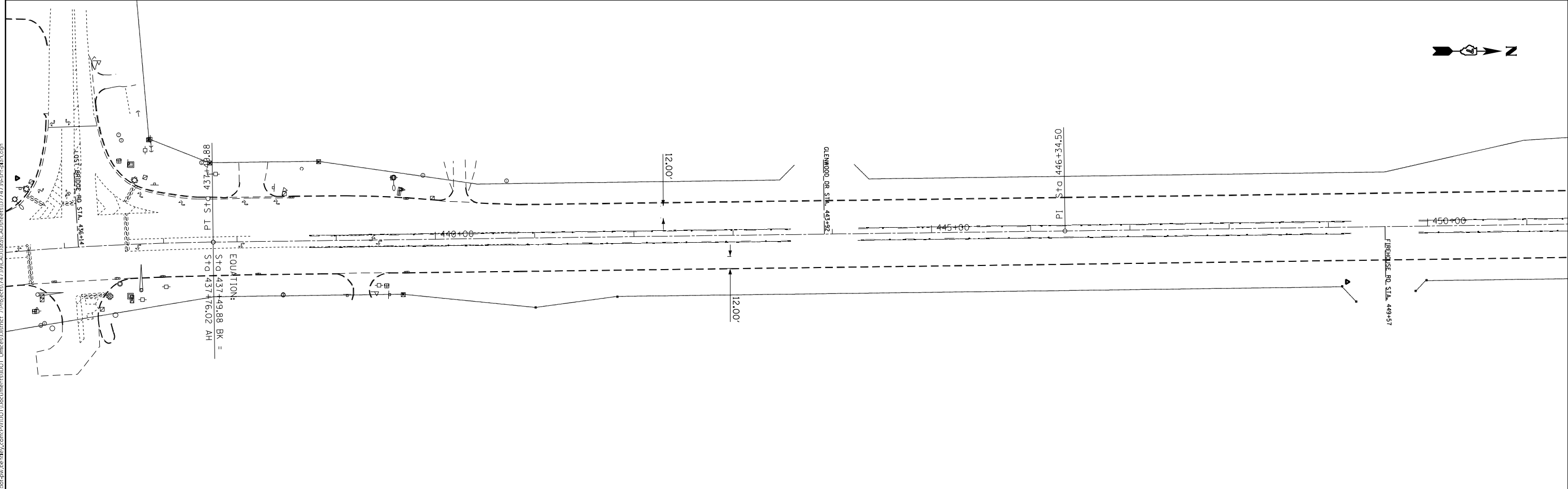
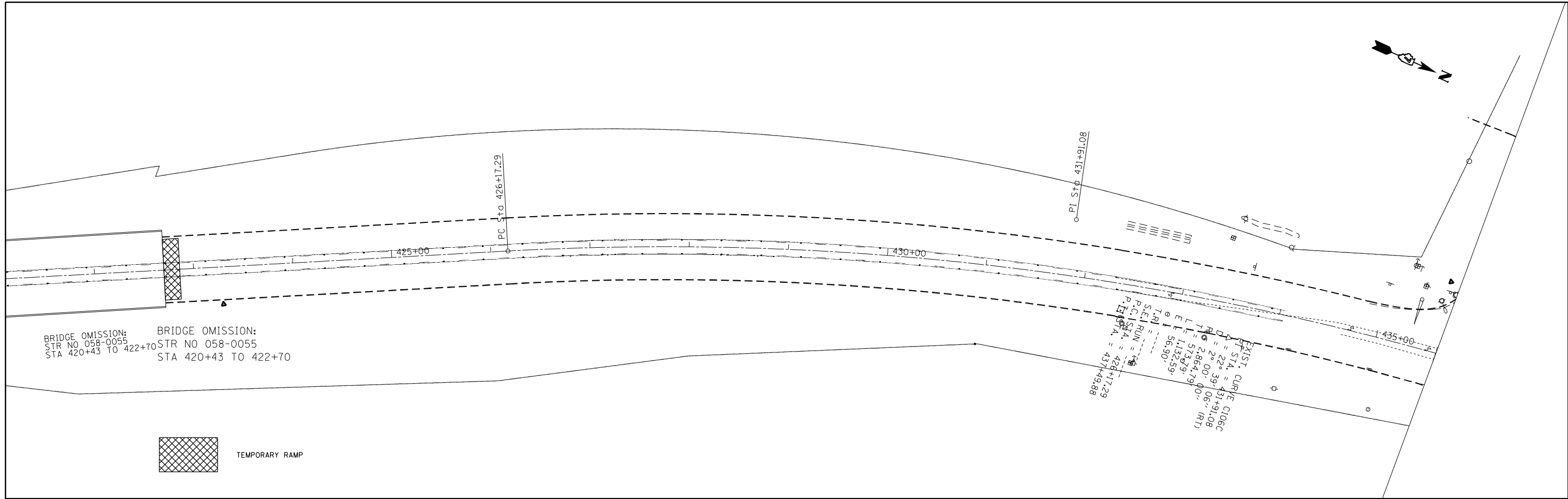
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PLOT DATE = 1/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 121 PLANS SHEET			
STATION 391+00 TO STATION 420+00			
SCALE:	SHEET 5	OF 9 SHEETS	STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 38
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



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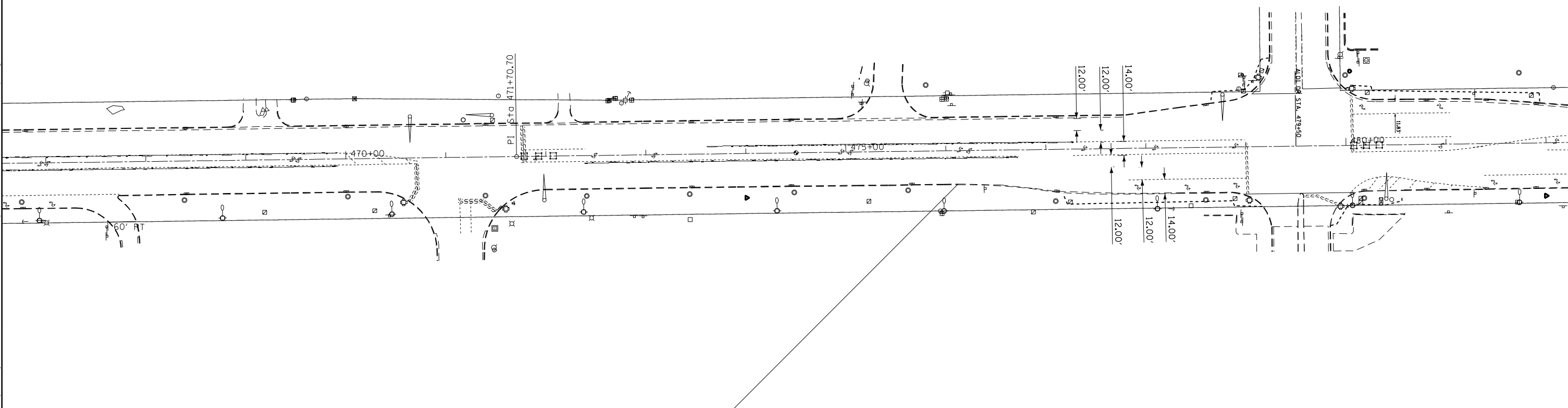
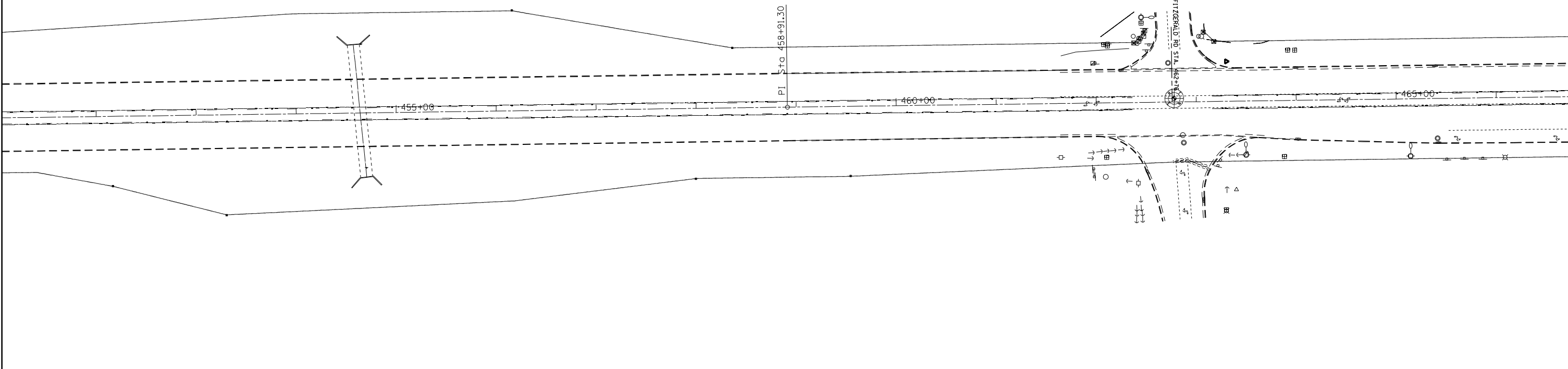
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PLANS SHEET
STATION 422 + 00 TO STATION 451 + 00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	39
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.



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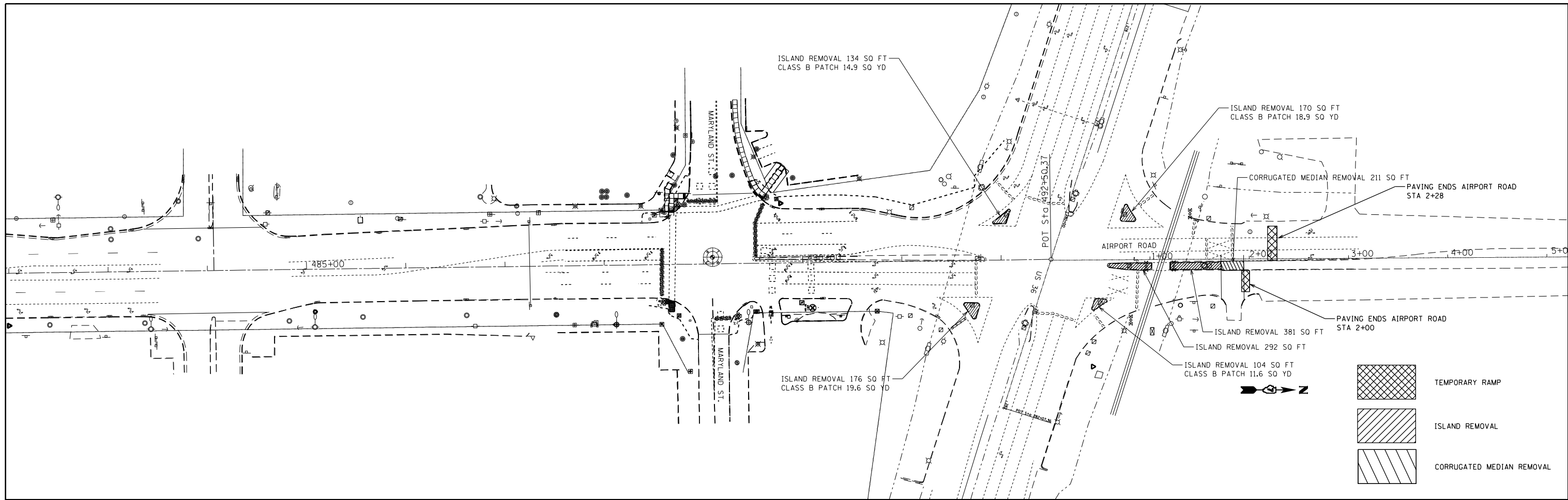
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PLANS SHEET
STATION 452+00 TO STATION 482+00

SCALE: SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	40
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



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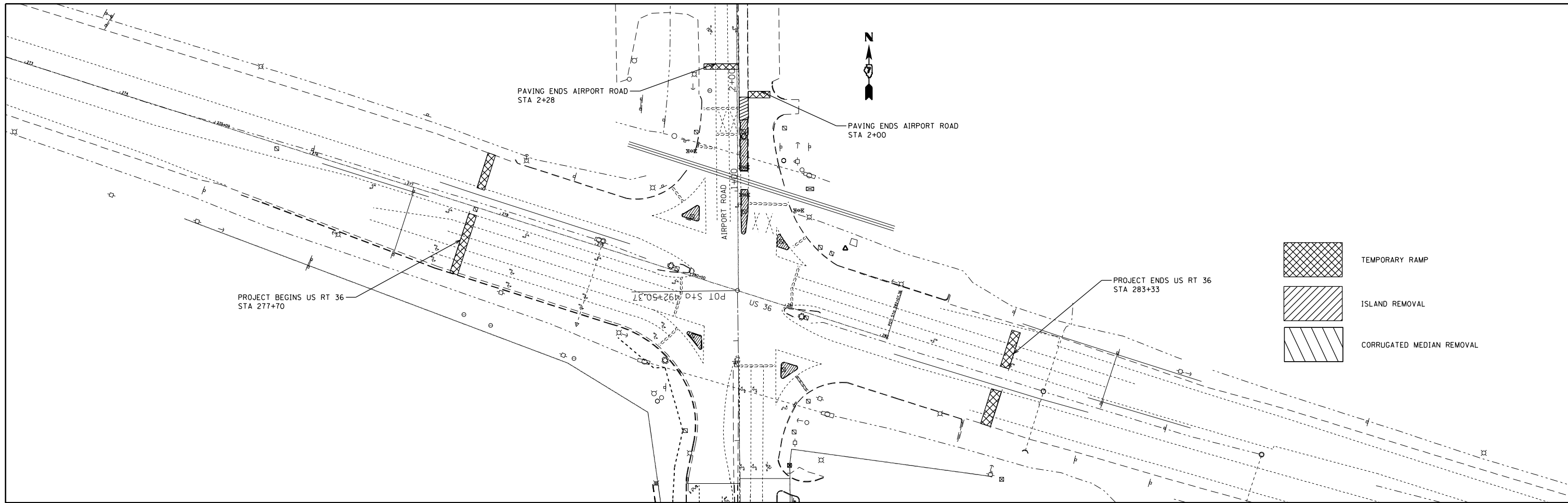
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PLAN SHEETS

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	41
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



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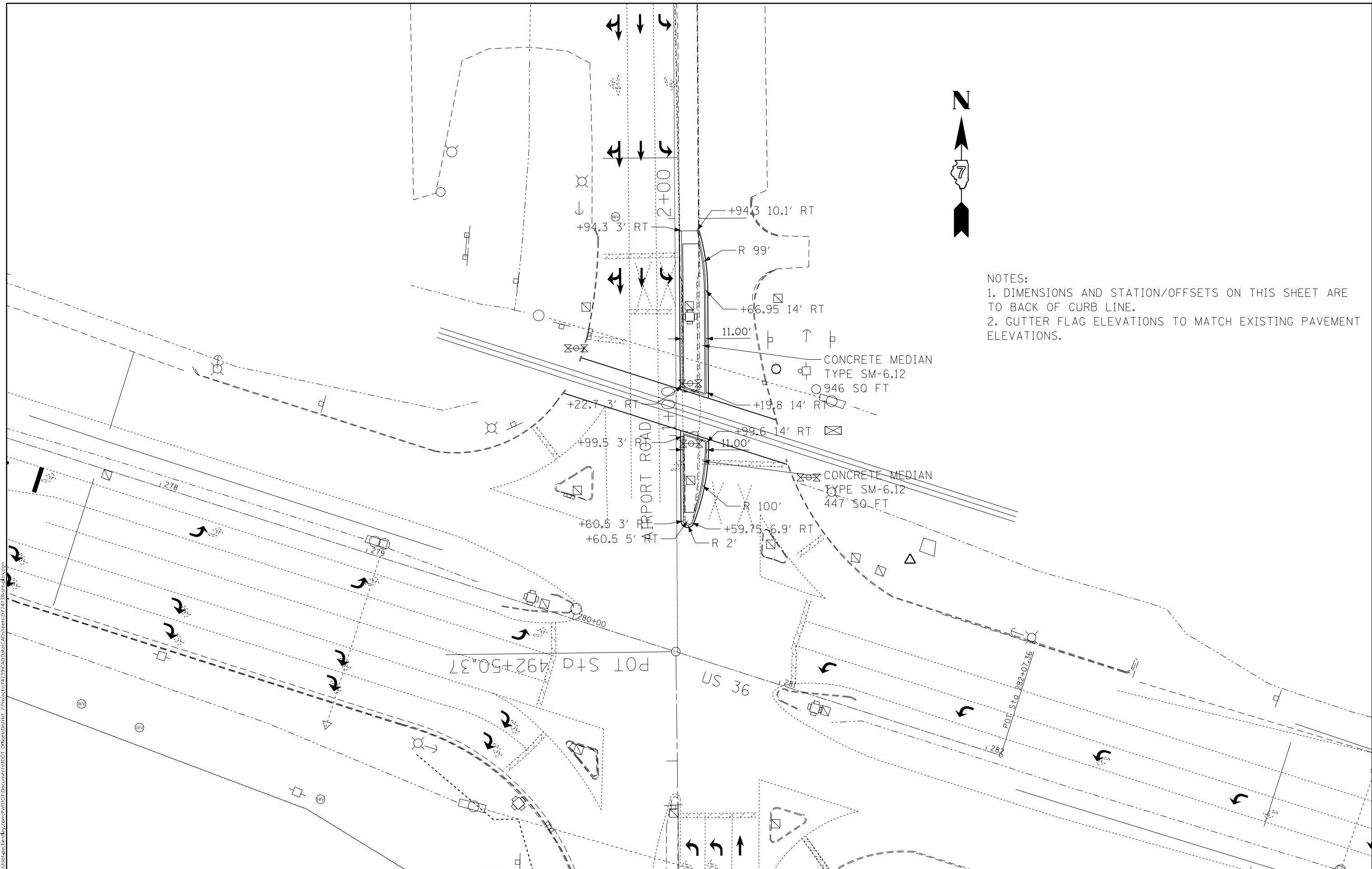
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 36 PLAN SHEETS
275+00 TO 284+00

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	42
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. DIMENSIONS AND STATION/OFFSETS ON THIS SHEET ARE TO BACK OF CURB LINE.
 2. GUTTER FLAG ELEVATIONS TO MATCH EXISTING PAVEMENT ELEVATIONS.

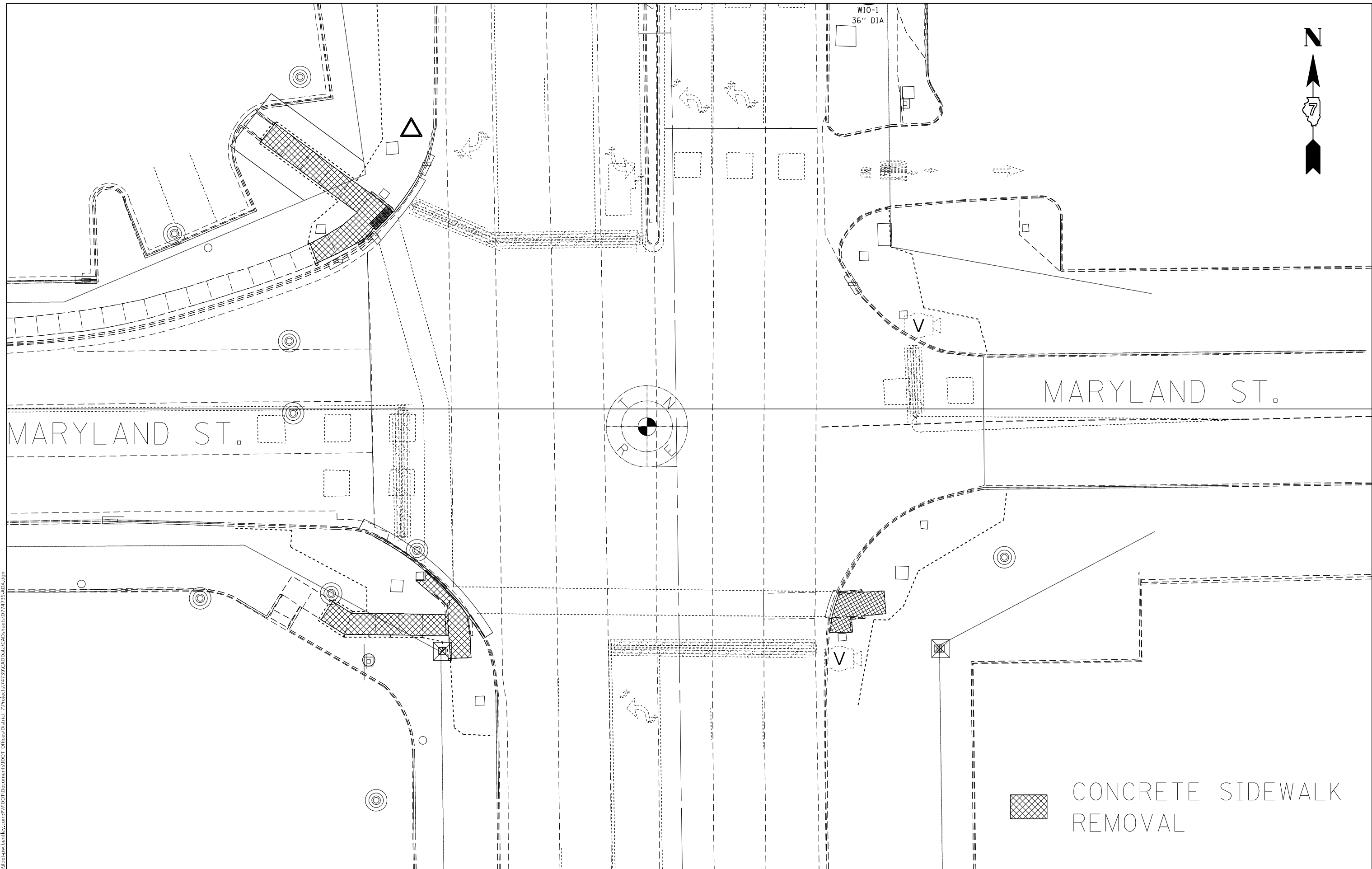
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AIRPORT ROAD	
PROPOSED MEDIAN PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	43
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

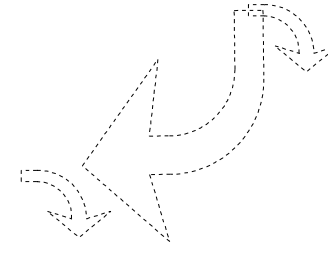
**ADA DETAIL
 MARYLAND ST**

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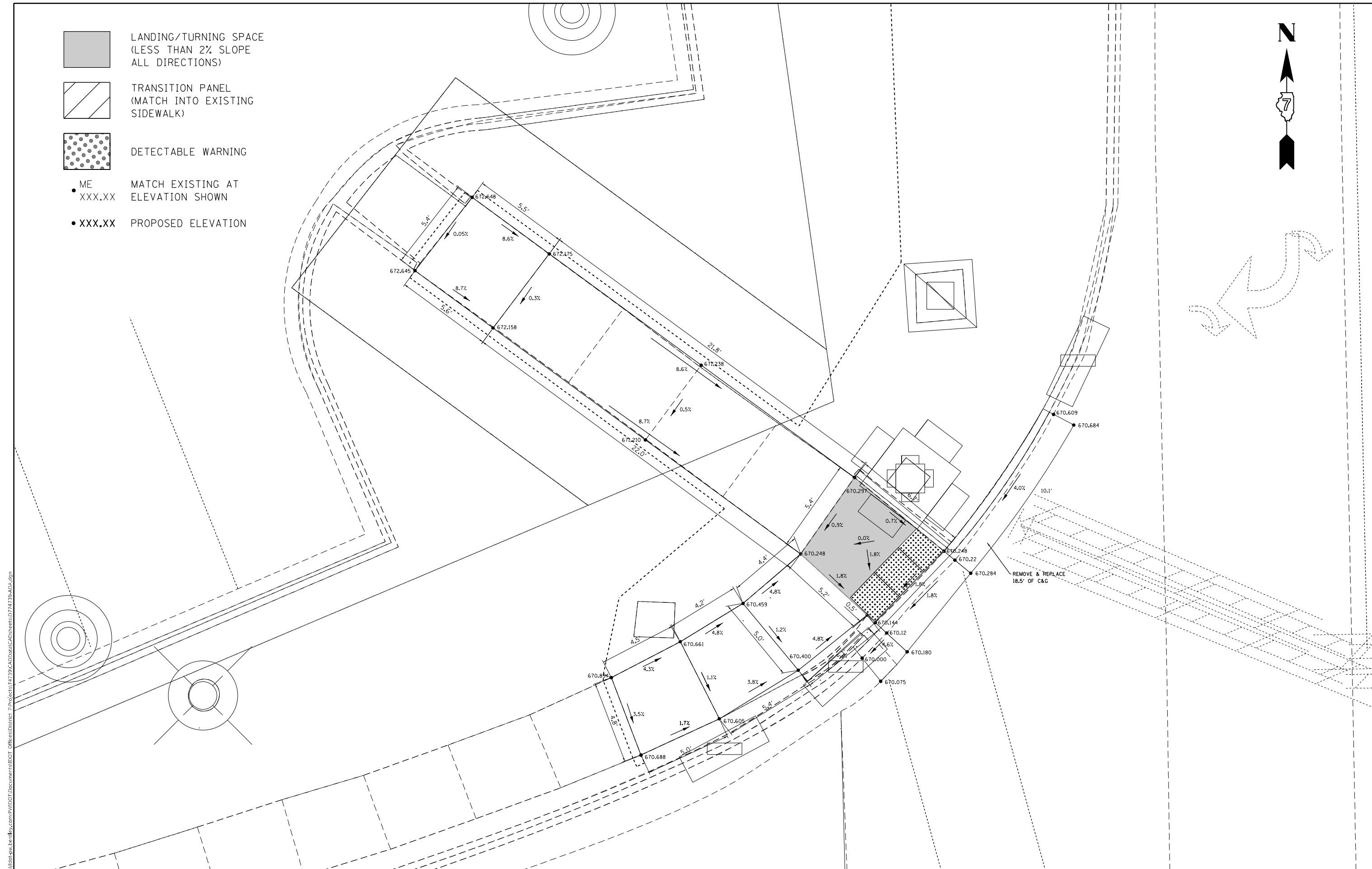
SCALE: SHEET OF 148 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	44
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				


 CONCRETE SIDEWALK
 REMOVAL



- LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
- TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
- DETECTABLE WARNING
- ME XXX.XX MATCH EXISTING AT
ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION



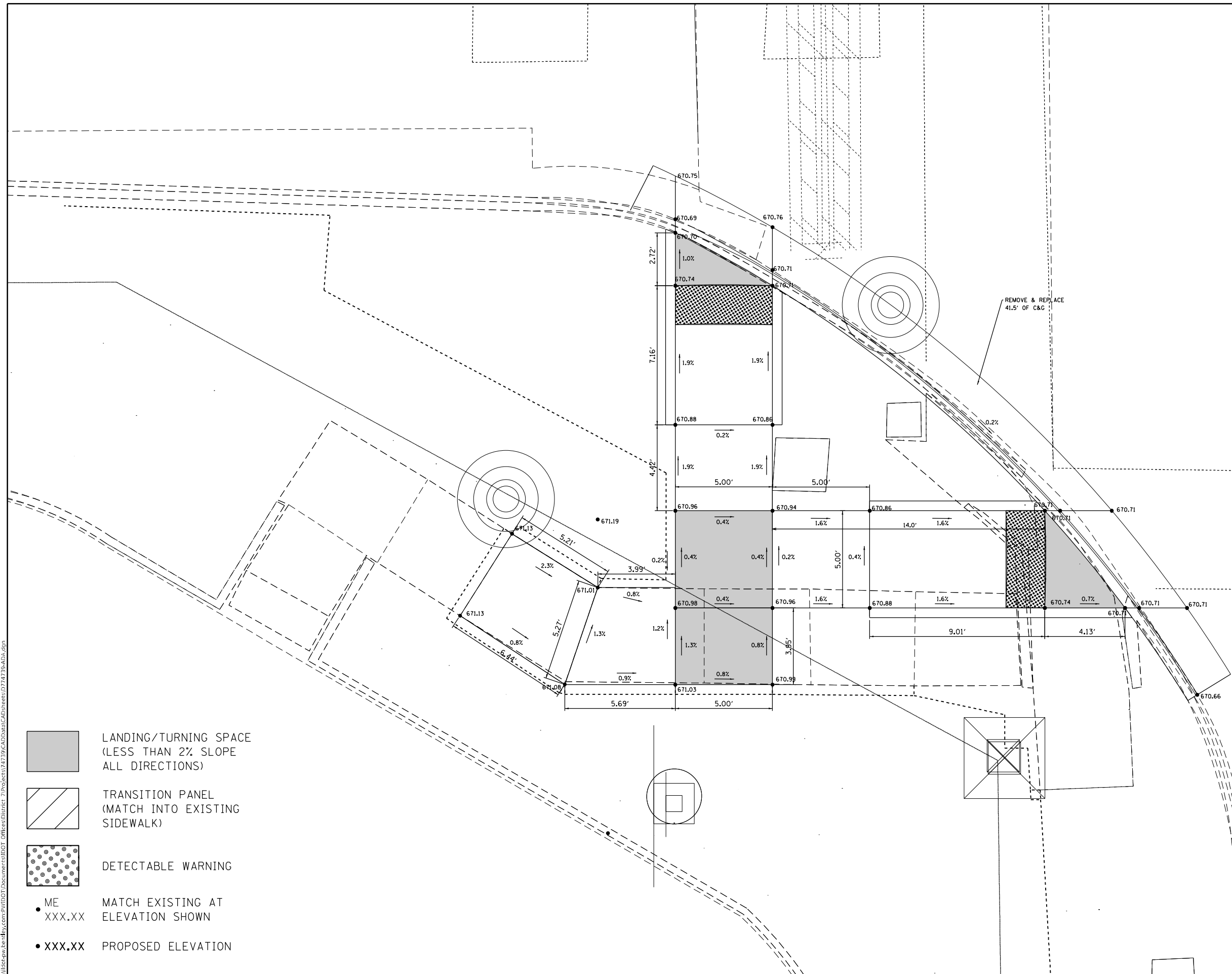
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PLOT DATE = 1/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAIL			
MARYLAND ST - NW QUADRANT			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	45
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



- LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
- TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
- DETECTABLE WARNING
- ME
XXX.XX MATCH EXISTING AT
ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION


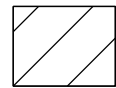
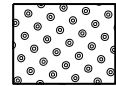
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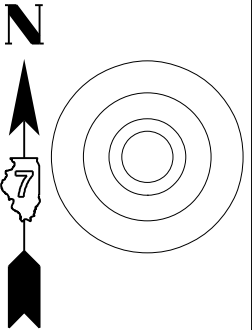
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

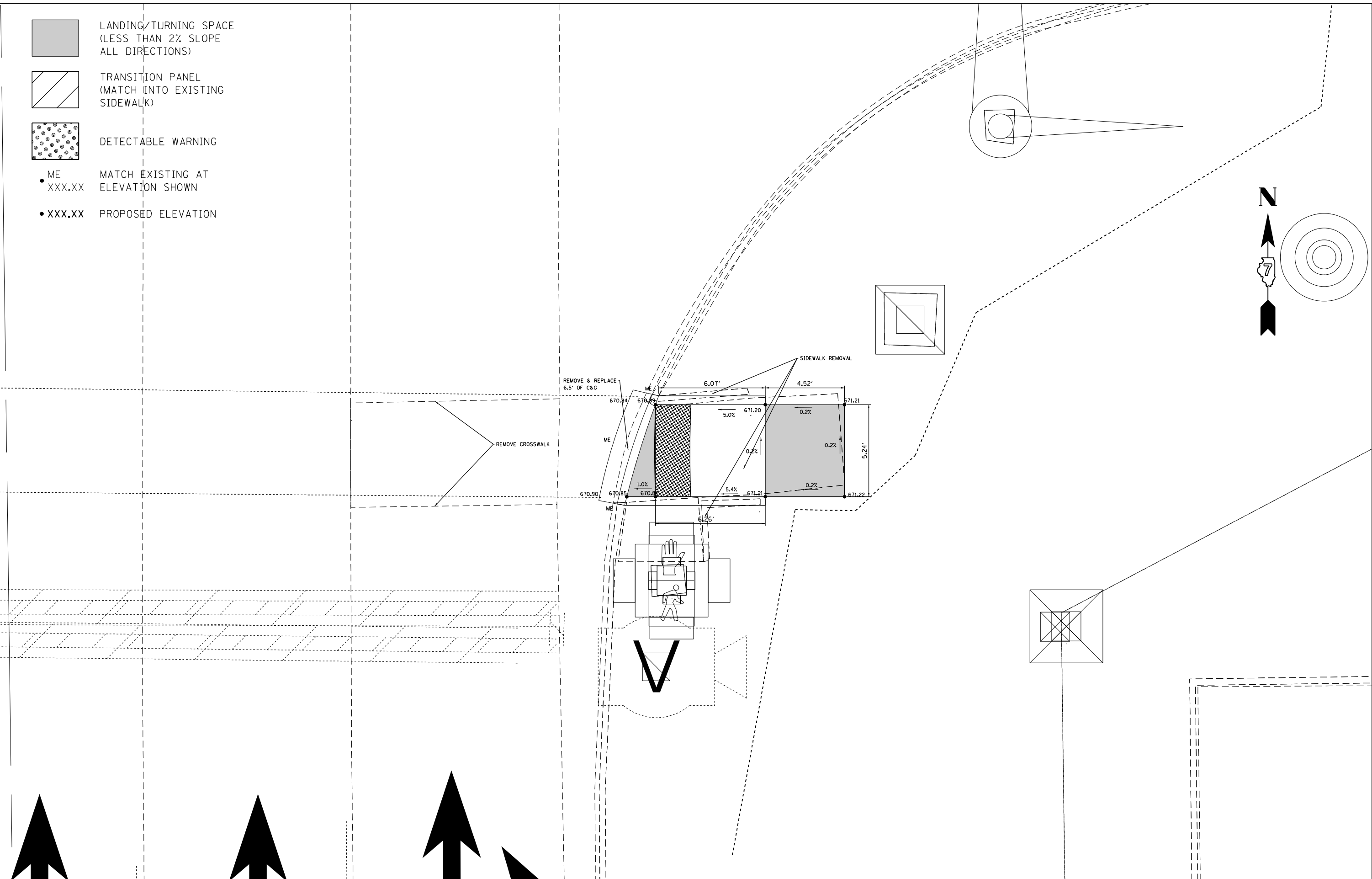
ADA DETAIL			
MARYLAND ST - SW QUADRANT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	46
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
- ME MATCH EXISTING AT
 XXX.XX ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION



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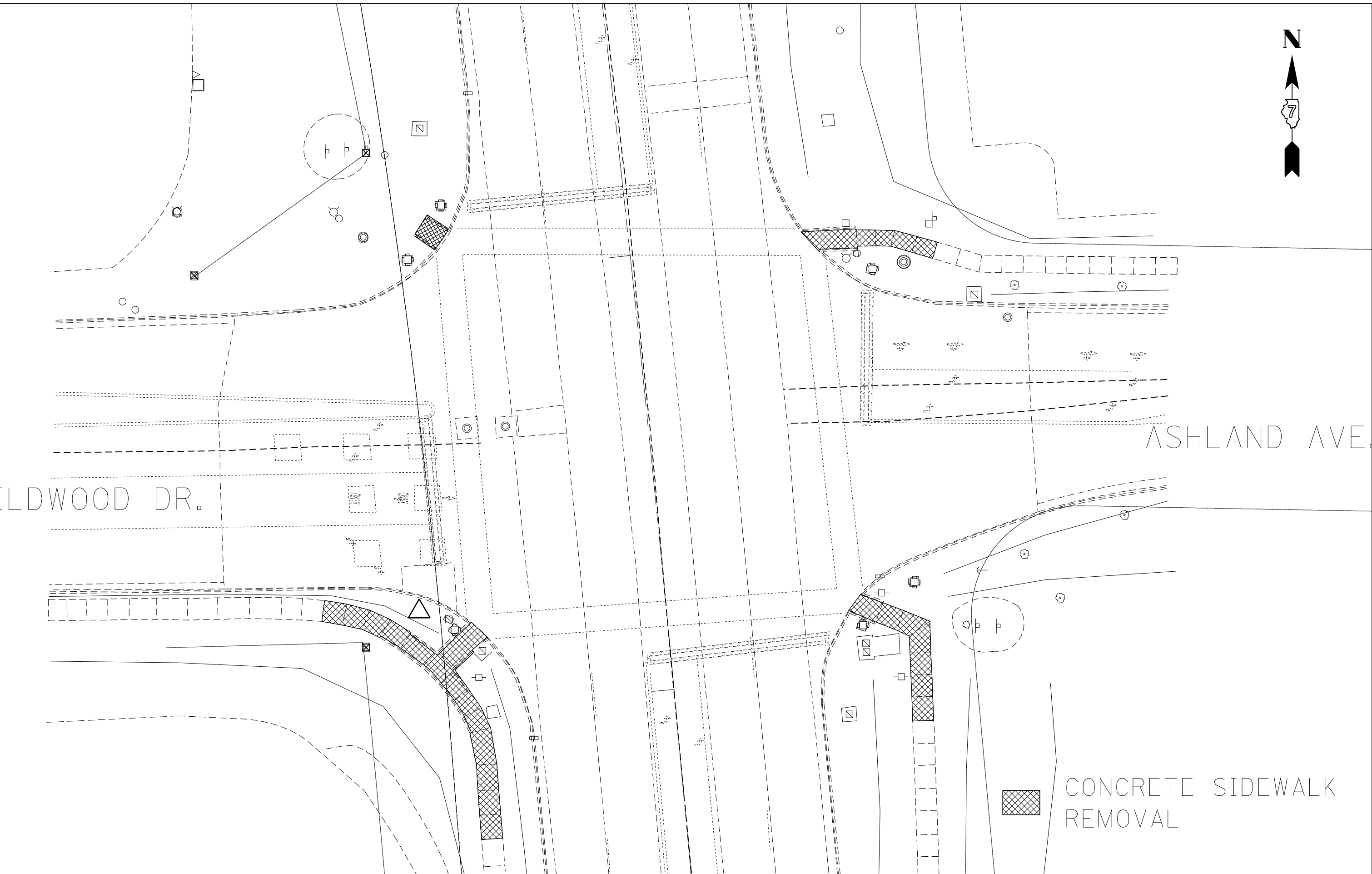
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PLOT DATE = 1/31/2023	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
MARYLAND ST - SE QUADRANT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	47
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



WILDWOOD DR.

ASHLAND AVE.

CONCRETE SIDEWALK
REMOVAL

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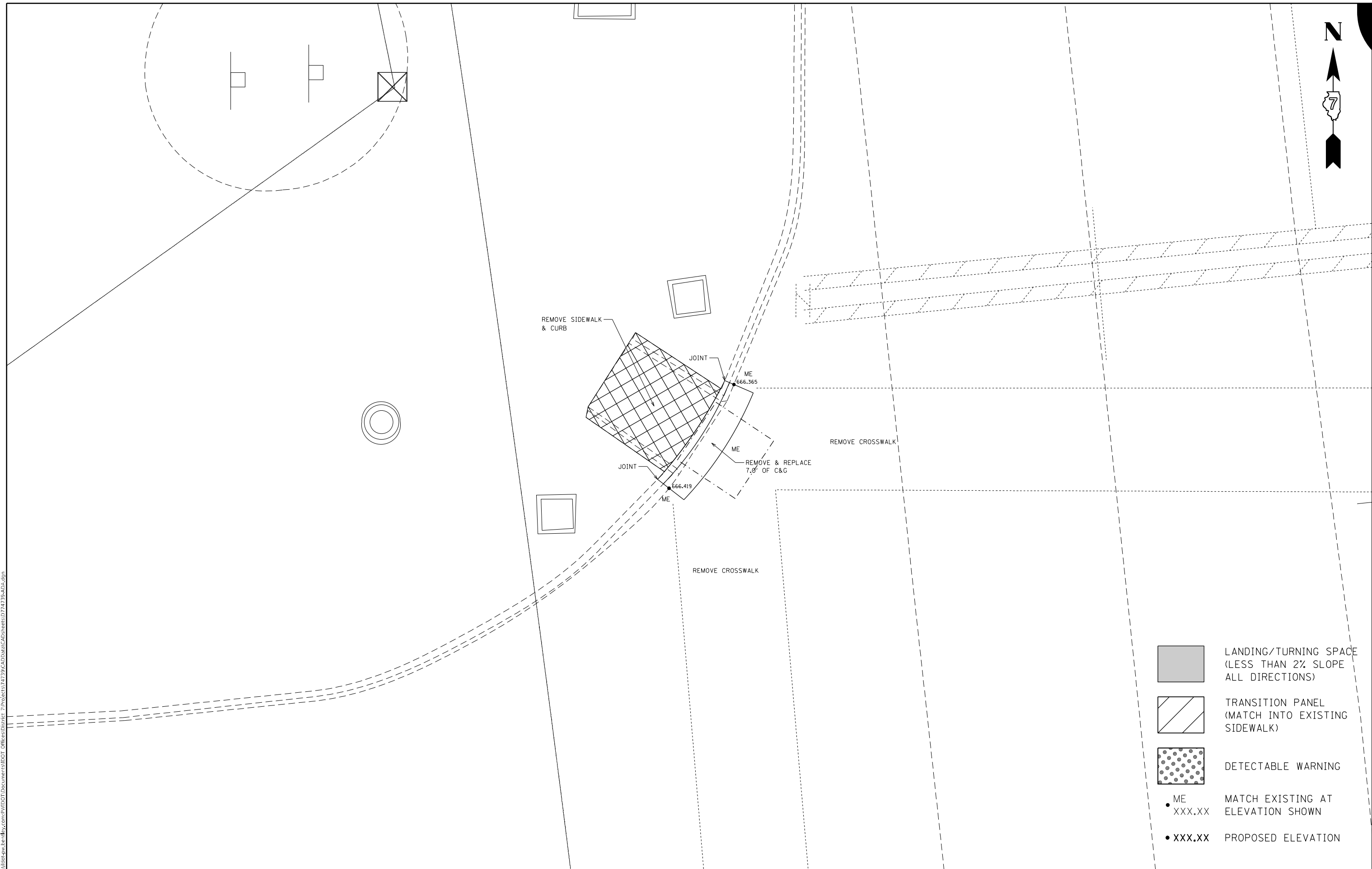
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PLOT DATE = 1/31/2023	DATE -	REVISED -

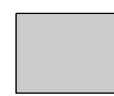
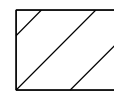
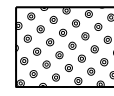


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAIL
WILDWOOD DR/ASHLAND AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	48
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
-  ME
XXX.XX MATCH EXISTING AT
ELEVATION SHOWN
-  XXX.XX PROPOSED ELEVATION

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PLOT DATE = 1/31/2023	DATE -	REVISED -



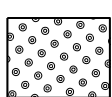
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

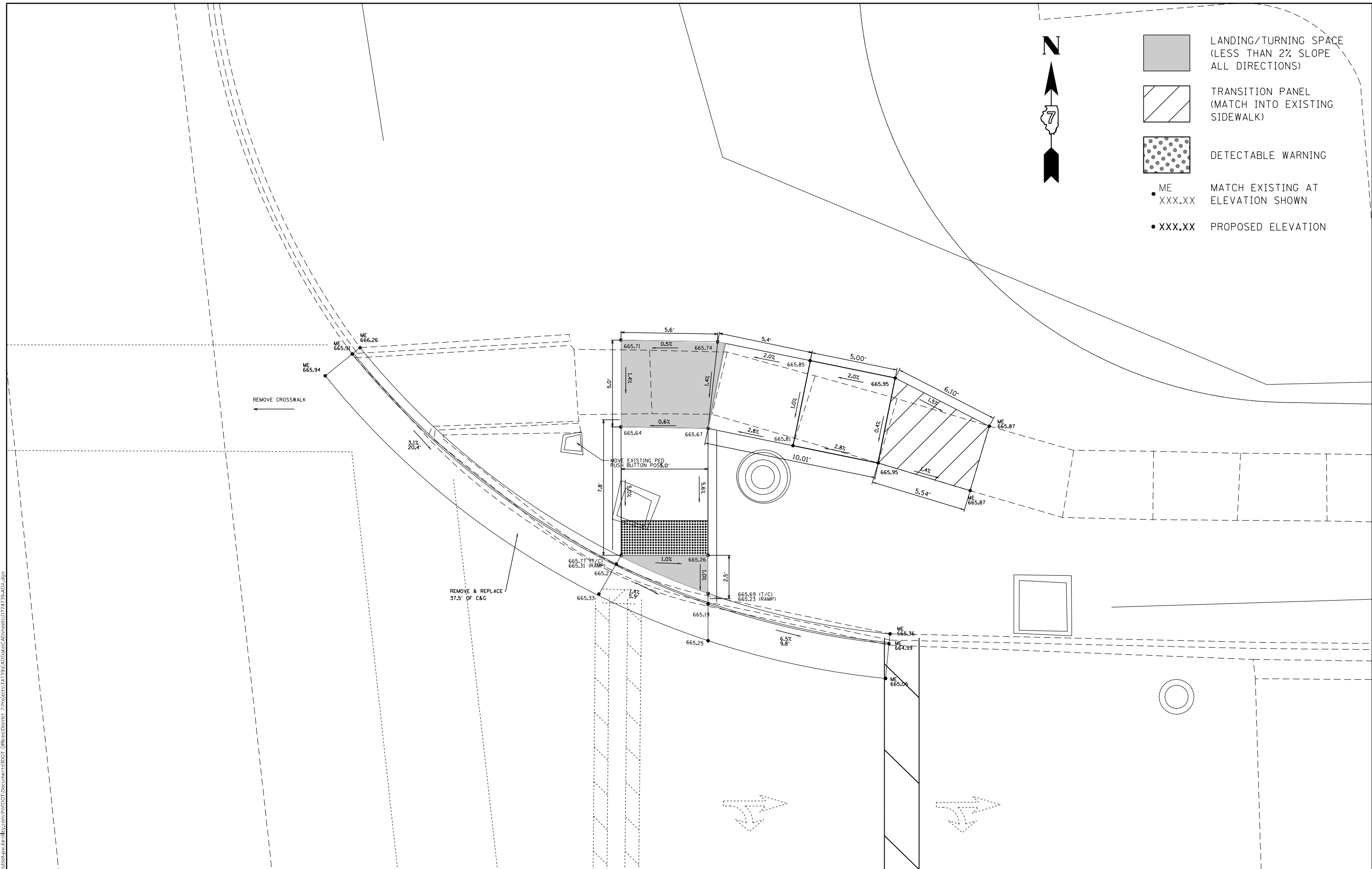
ADA DETAIL
WILDWOOD DRASHLAND AVE - NW QUADRANT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	49
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
- ME
XXX.XX MATCH EXISTING AT
ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION



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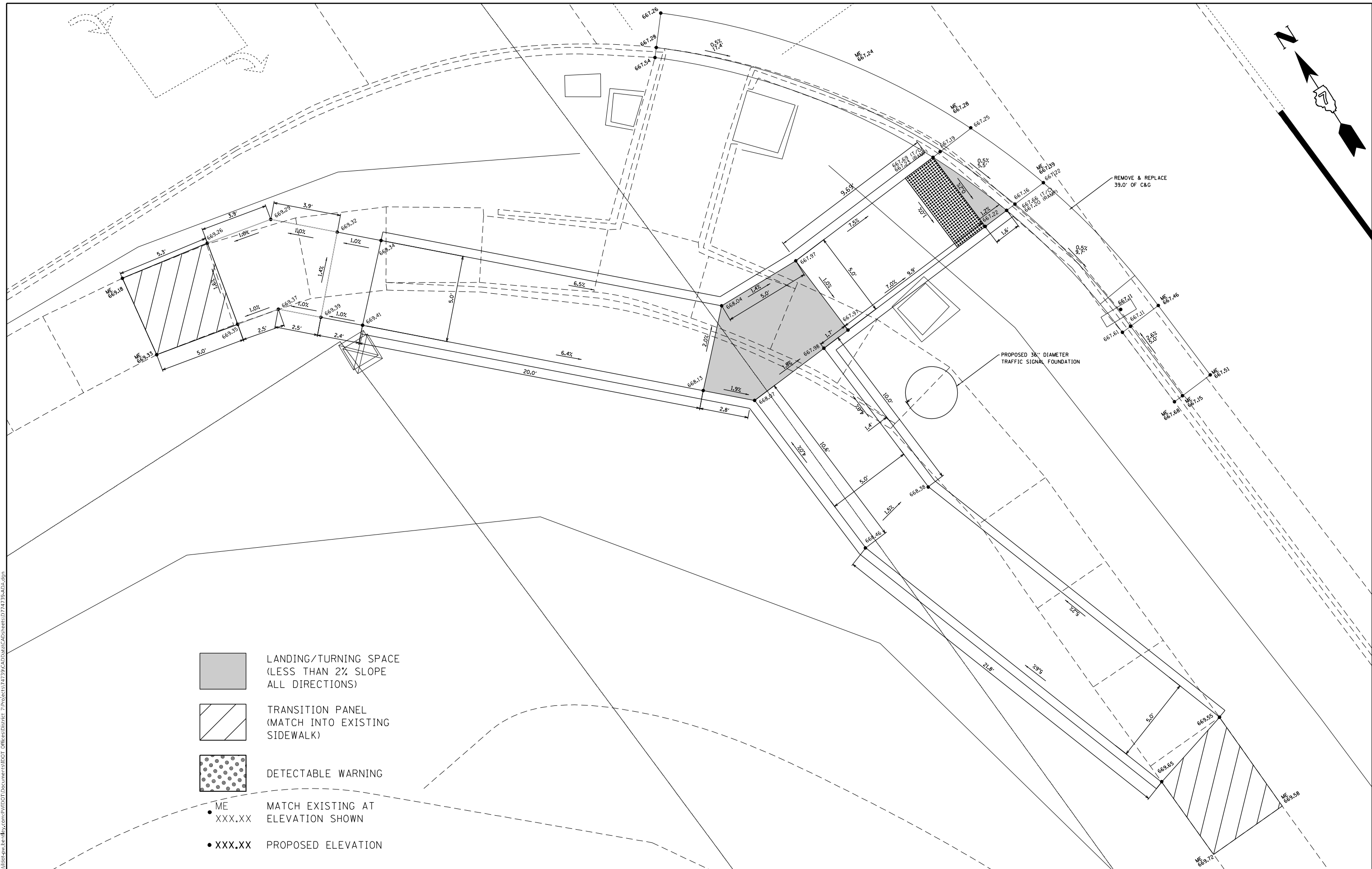
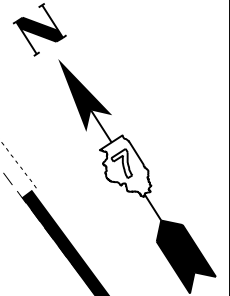
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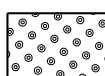
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAIL
WILDWOOD DRASHLAND AVE - NE QUADRANT**

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 50
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
- ME XXX.XX MATCH EXISTING AT
ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION

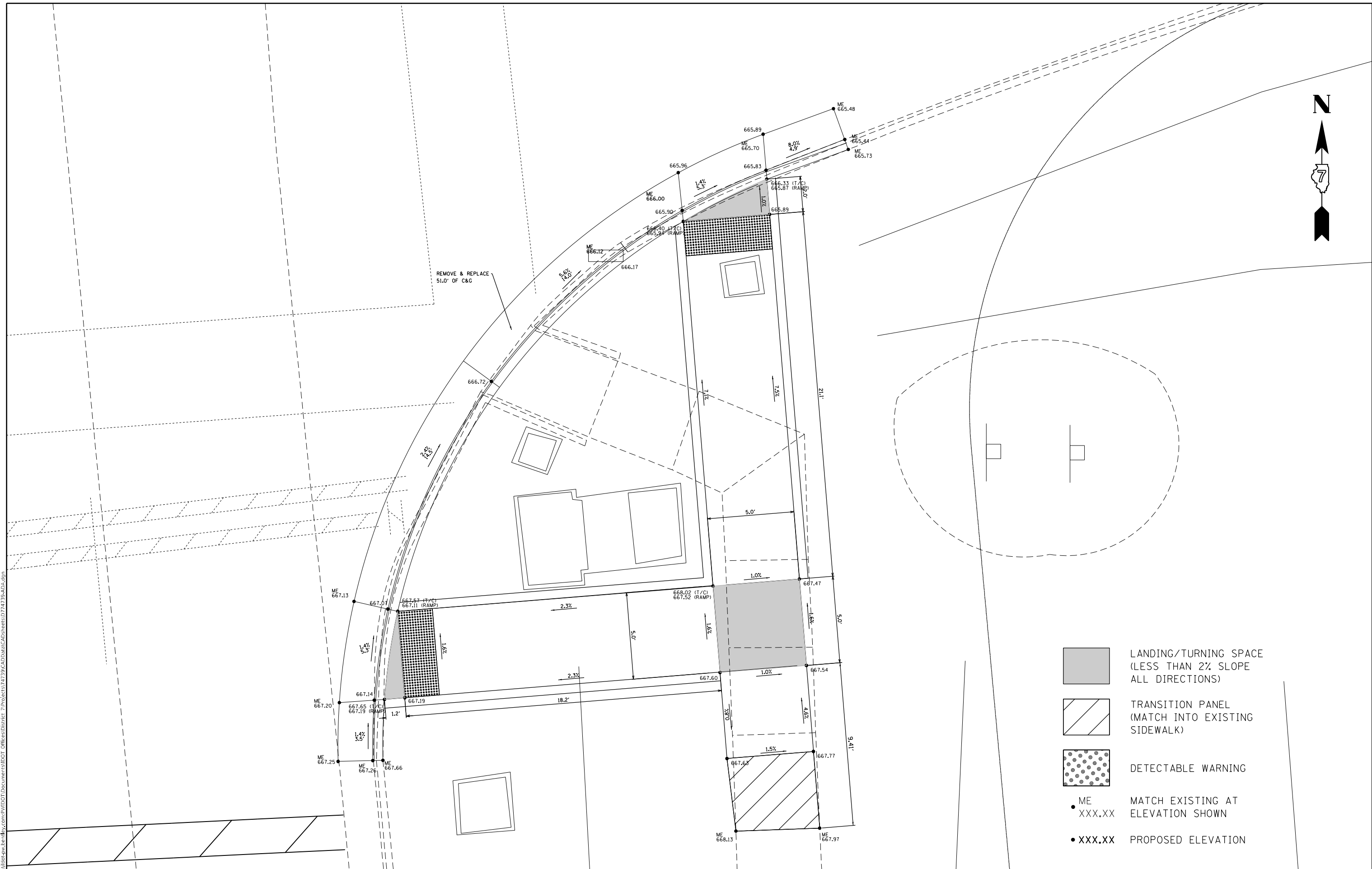
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
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	DRAWN -	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL			
WILDWOOD DRASHLAND AVE - SW QUADRANT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	51
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



-  LANDING/TURNING SPACE (LESS THAN 2% SLOPE ALL DIRECTIONS)
-  TRANSITION PANEL (MATCH INTO EXISTING SIDEWALK)
-  DETECTABLE WARNING
- ME XXX.XX MATCH EXISTING AT ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION

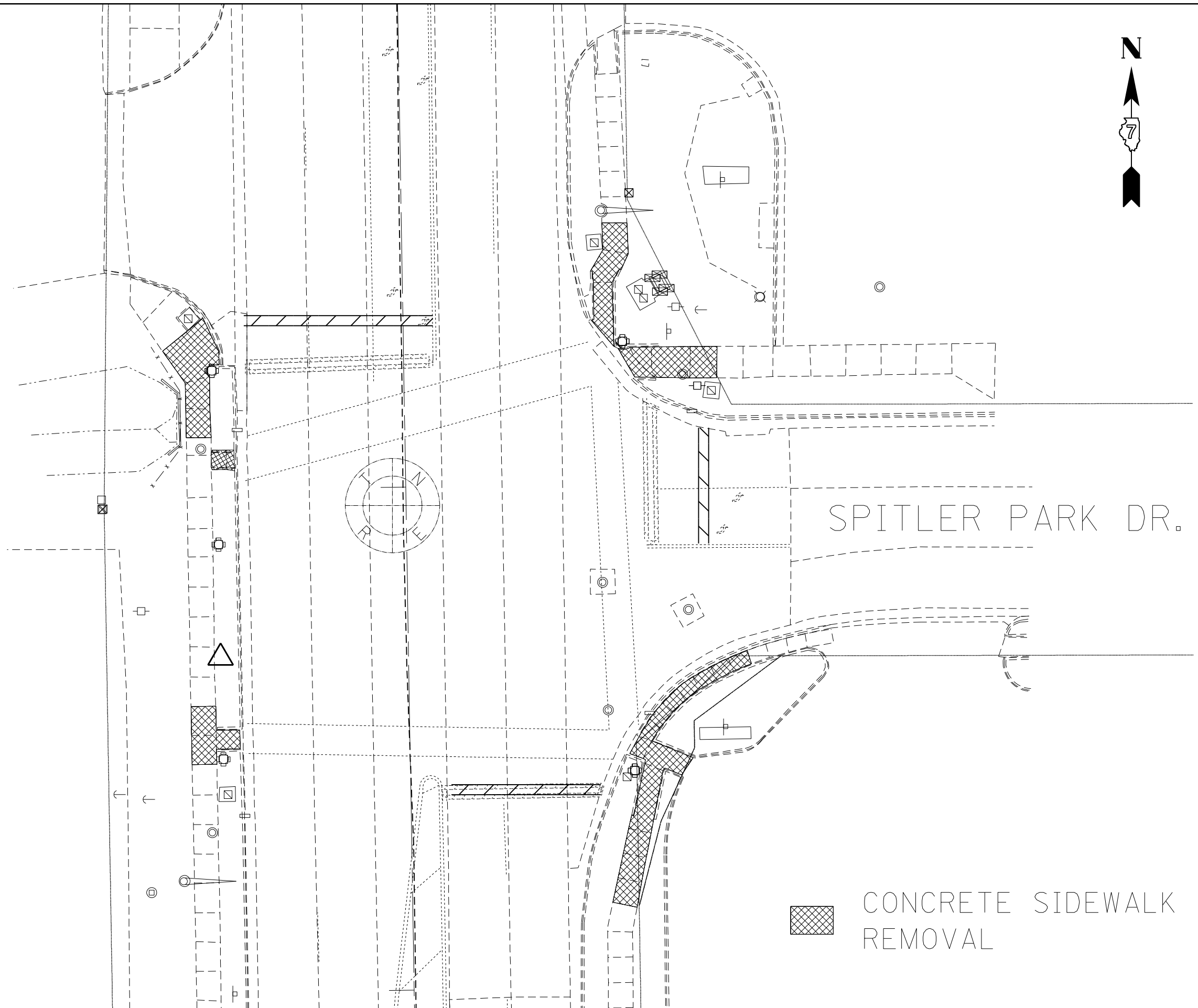
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 5,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL			
WILDWOOD DRASHLAND AVE - SE QUADRANT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	52
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



SPITTLER PARK DR.

 CONCRETE SIDEWALK REMOVAL

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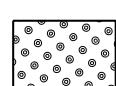
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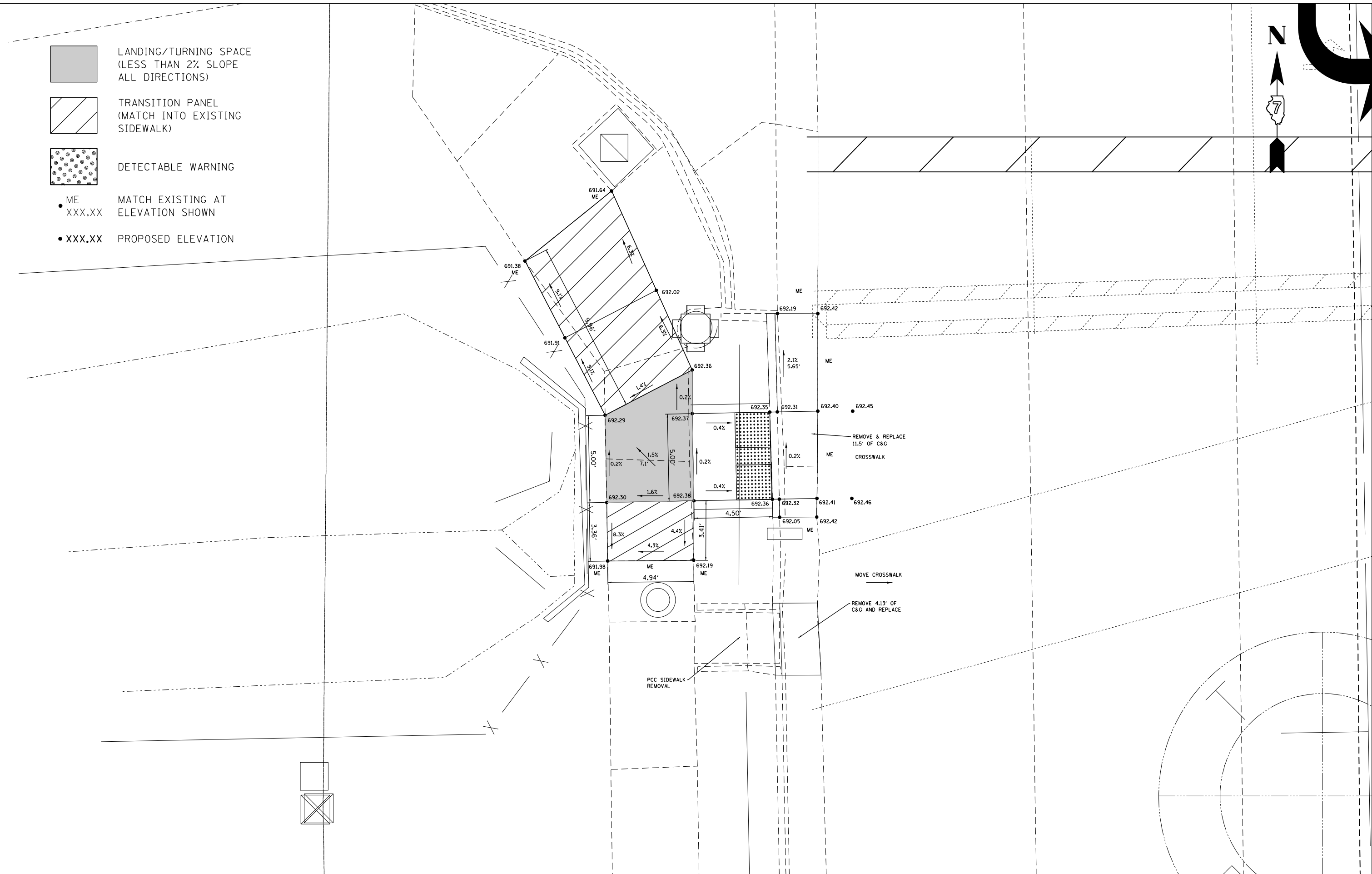
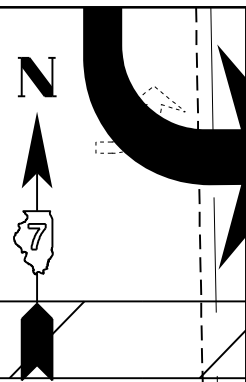
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAIL
SPITTLER PARK DR**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 53
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
- ME XXX.XX MATCH EXISTING AT
ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION



MODEL: Default
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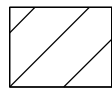
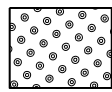
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PLOT SCALE = 5,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

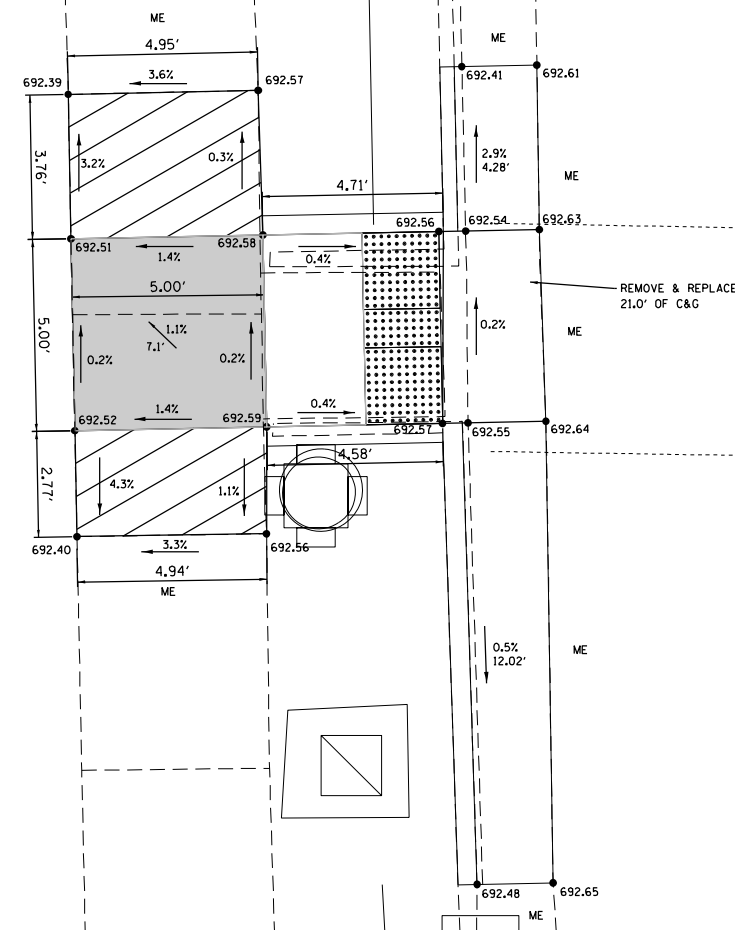
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL
SPITLER PARK DR - NW QUADRANT

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 54
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
- ME MATCH EXISTING AT
 XXX.XX ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION



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	DRAWN -	REVISED -
PLOT SCALE = 5,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -



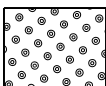

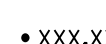
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAIL	
SPITLER PARK DR - SW QUADRANT	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	56
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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-  LANDING/TURNING SPACE (LESS THAN 2% SLOPE ALL DIRECTIONS)
-  TRANSITION PANEL (MATCH INTO EXISTING SIDEWALK)
-  DETECTABLE WARNING
-  ME MATCH EXISTING AT ELEVATION SHOWN
-  XXX.XX PROPOSED ELEVATION

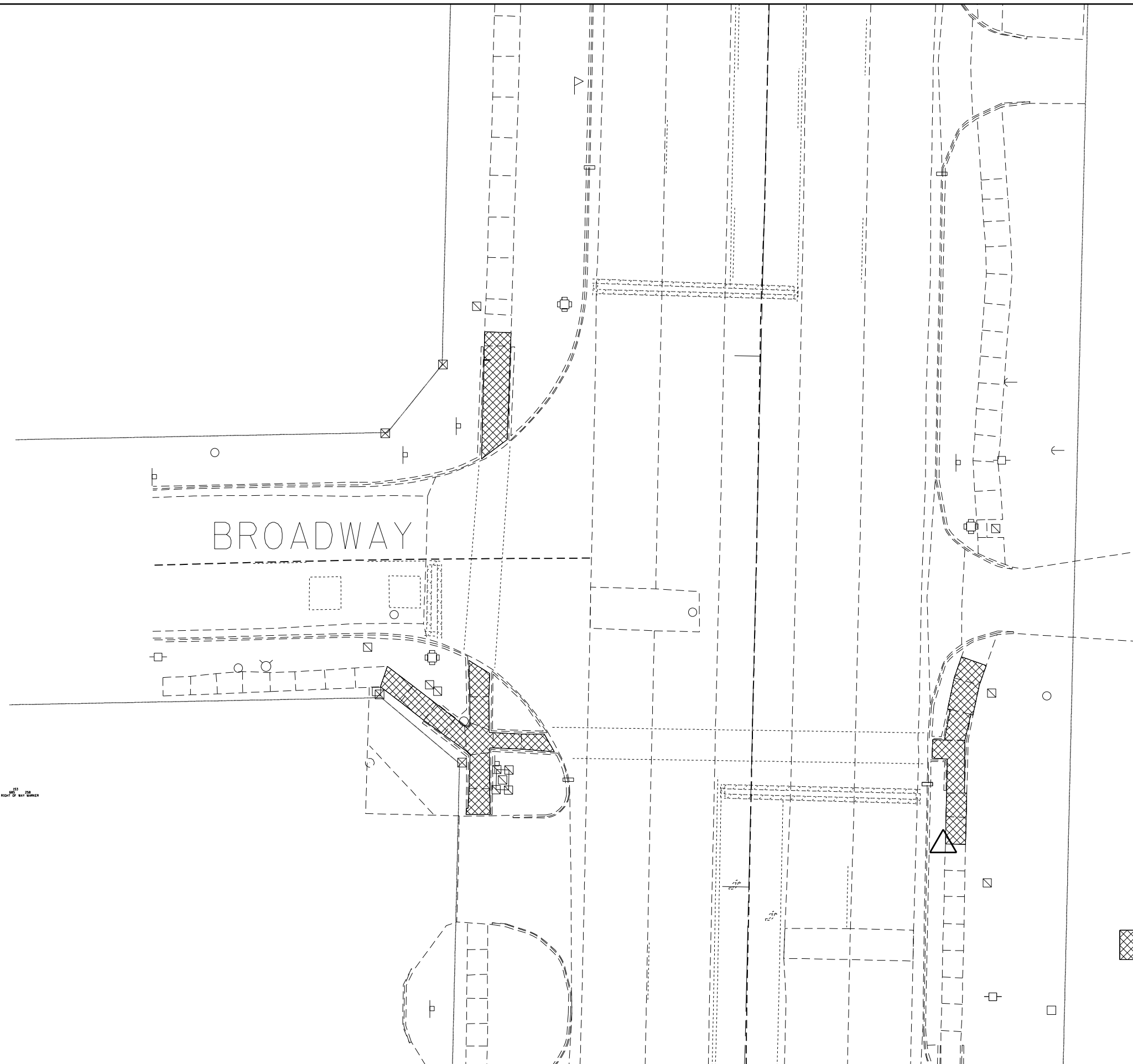
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PLOT DATE = 1/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA DETAIL
 SPITTLER PARK DR - SE QUADRANT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 57
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



BROADWAY

 CONCRETE SIDEWALK REMOVAL

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11' 258
 100' @ 1/4" = 1'

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

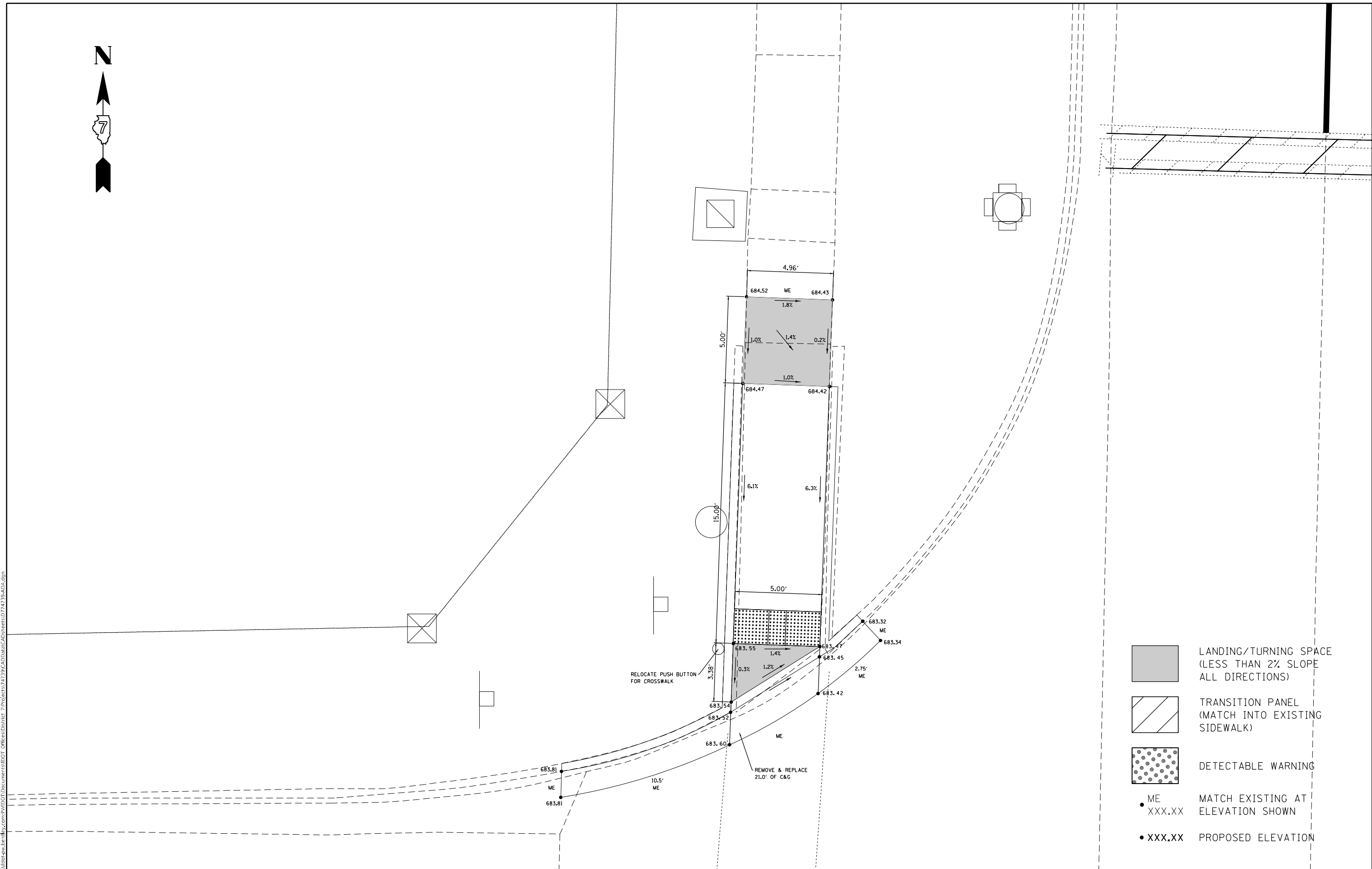
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA DETAIL BROADWAY	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	58
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



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- LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
- TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
- DETECTABLE WARNING
- ME
XXX.XX MATCH EXISTING AT
ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION

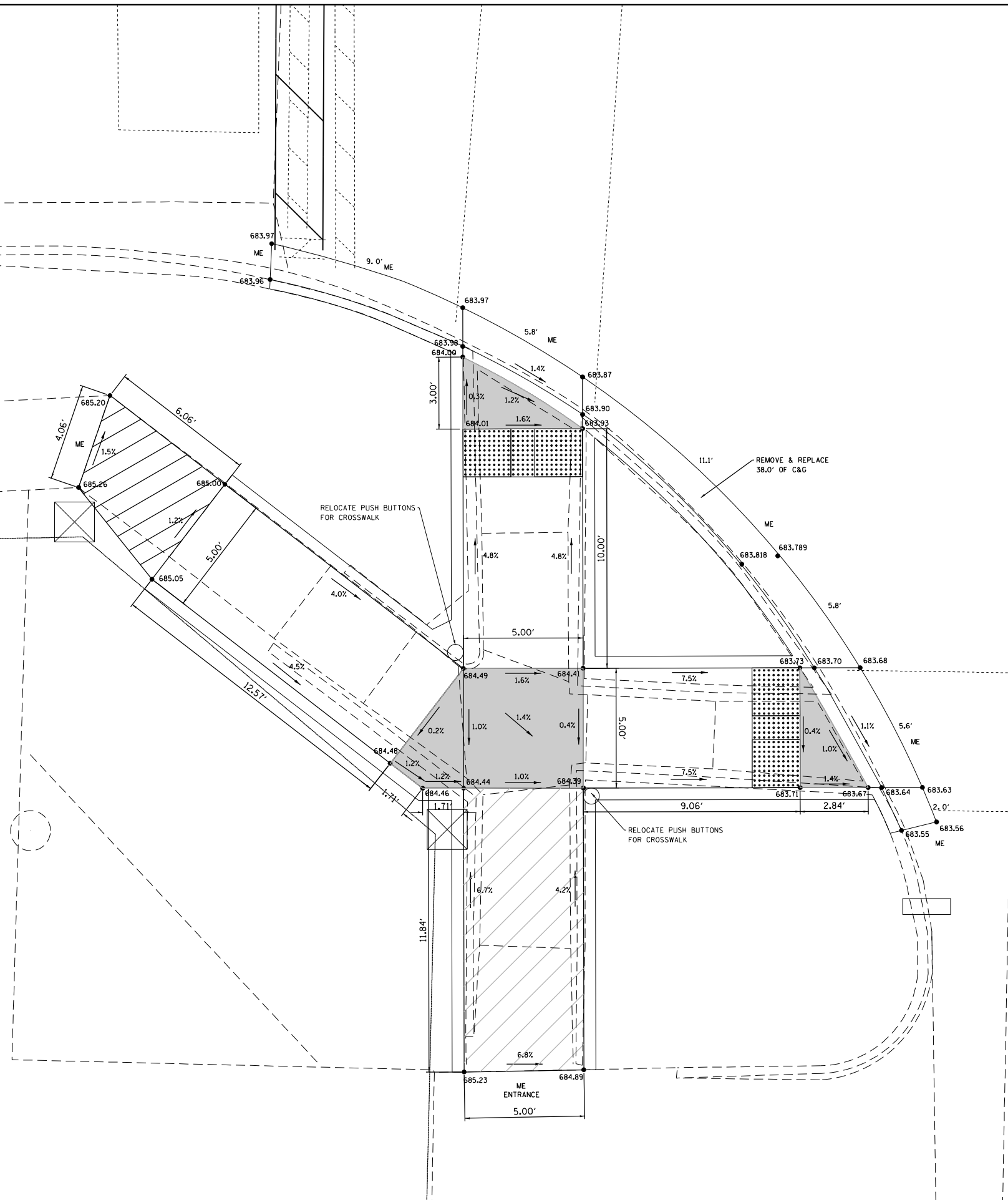
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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAIL
BROADWAY - NW QUADRANT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	59
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
- ME MATCH EXISTING AT
• XXX.XX ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION

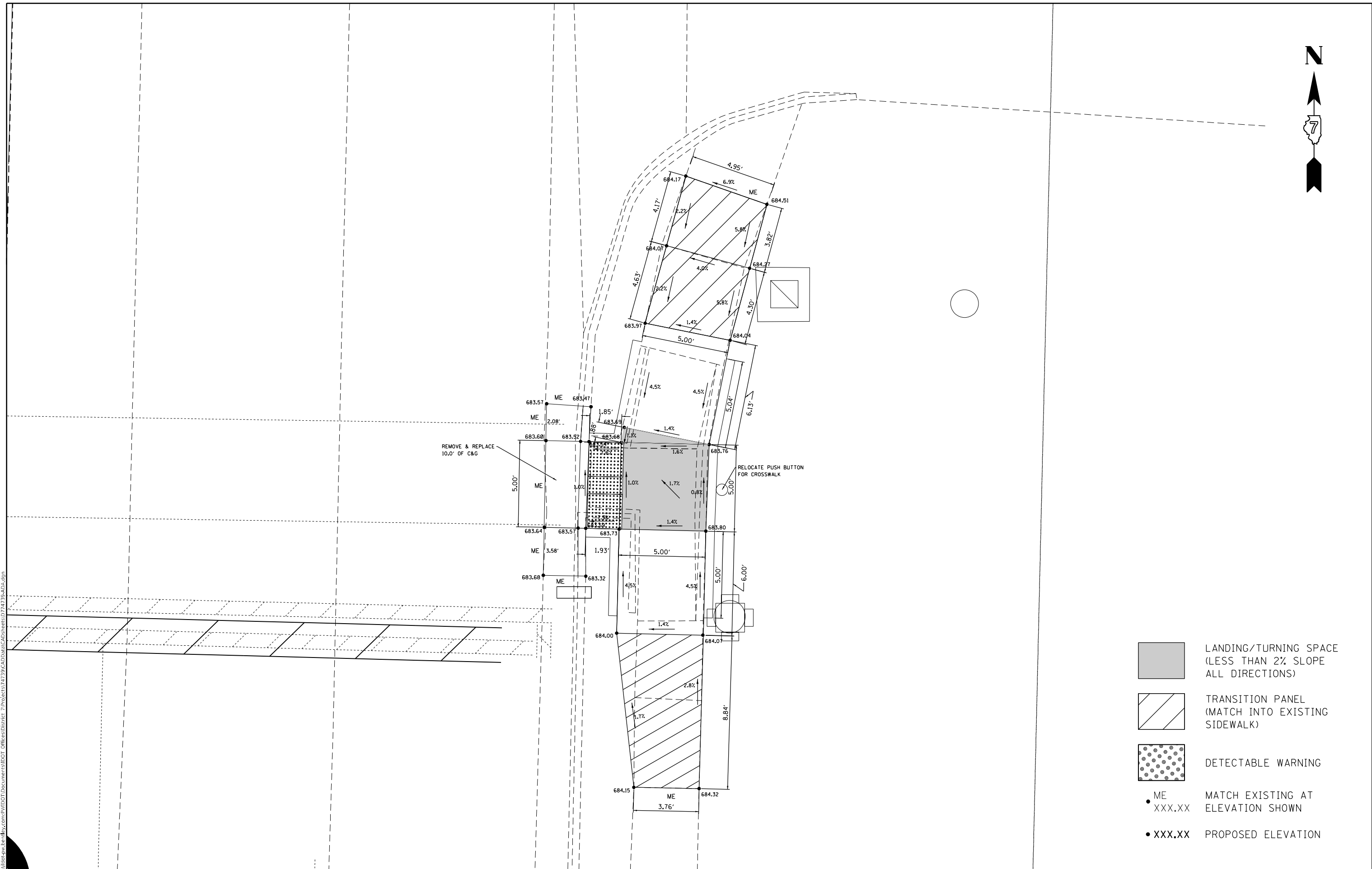
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

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	DRAWN -	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAIL BROADWAY - SW QUADRANT	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	60
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



-  LANDING/TURNING SPACE (LESS THAN 2% SLOPE ALL DIRECTIONS)
-  TRANSITION PANEL (MATCH INTO EXISTING SIDEWALK)
-  DETECTABLE WARNING
- ME XXX.XX MATCH EXISTING AT ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION

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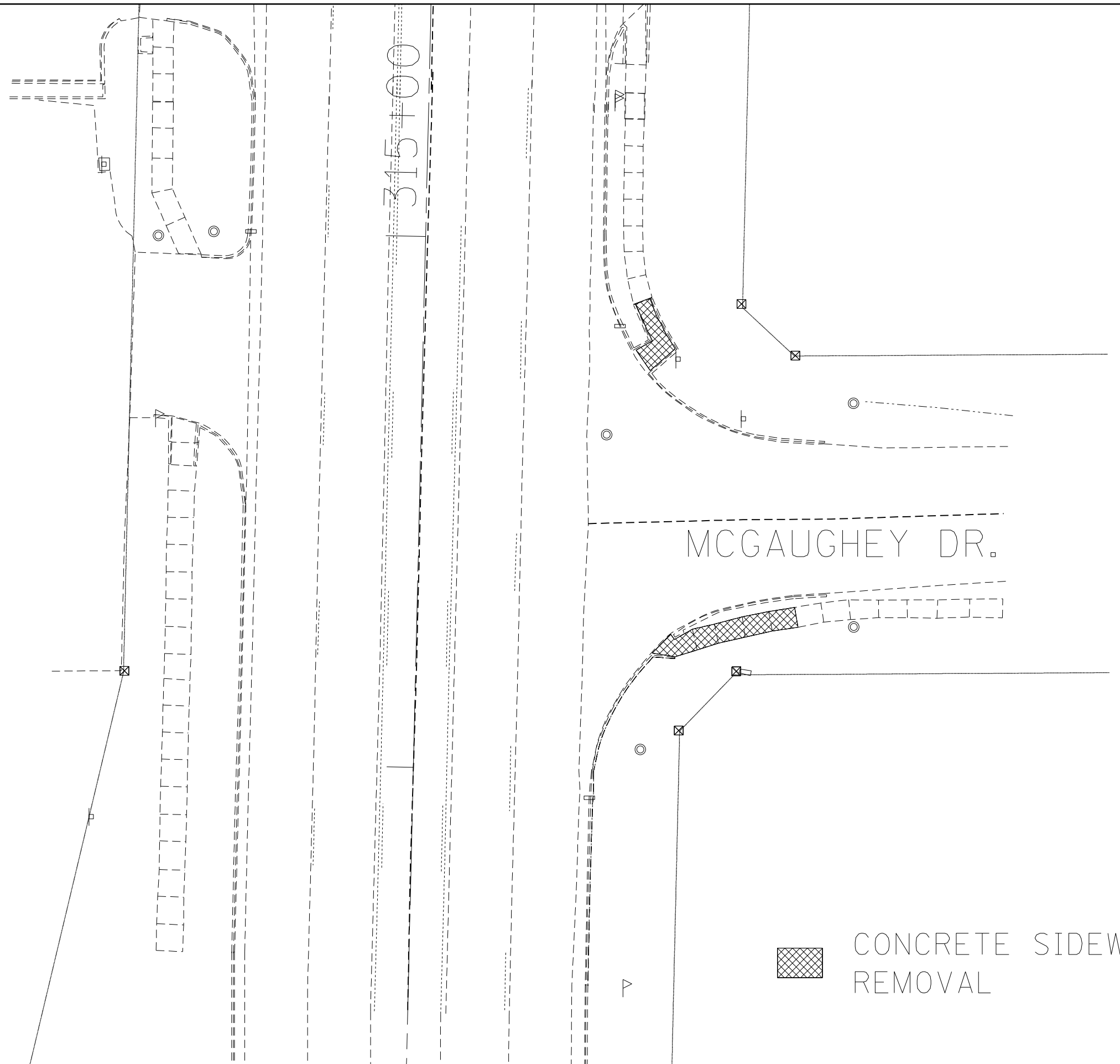
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PLOT SCALE = 5,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL
BROADWAY - SE QUADRANT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	61
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



MCGAUGHEY DR.

315+00


 CONCRETE SIDEWALK
 REMOVAL

MODEL: Default
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PLOT DATE = 1/31/2023	DATE -	REVISED -


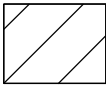
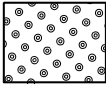
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

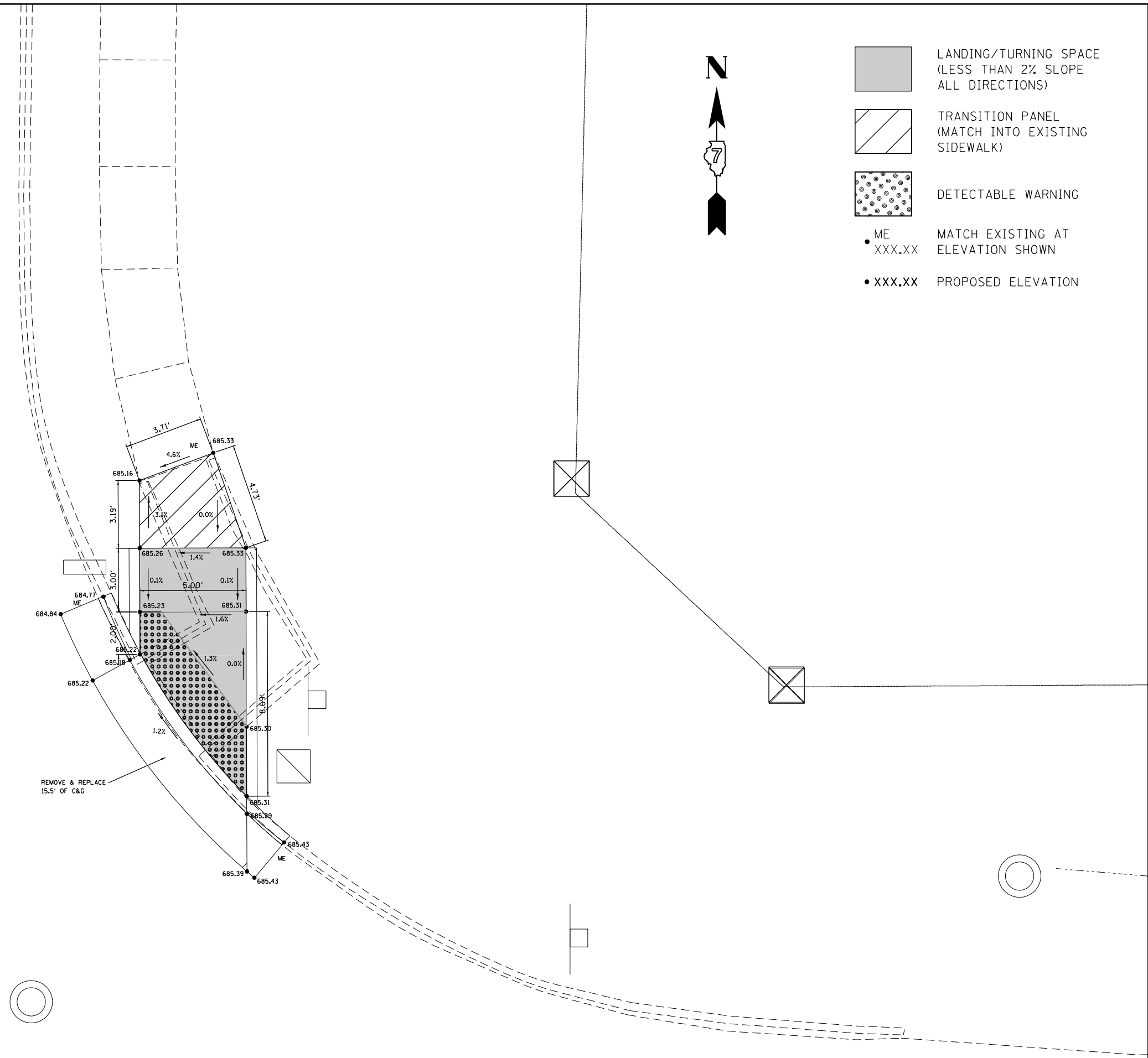
ADA DETAIL
McGAUGHEY DR

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	62
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



-  LANDING/TURNING SPACE
(LESS THAN 2% SLOPE
ALL DIRECTIONS)
-  TRANSITION PANEL
(MATCH INTO EXISTING
SIDEWALK)
-  DETECTABLE WARNING
- ME MATCH EXISTING AT
 XXX.XX ELEVATION SHOWN
- XXX.XX PROPOSED ELEVATION



MODEL: Default
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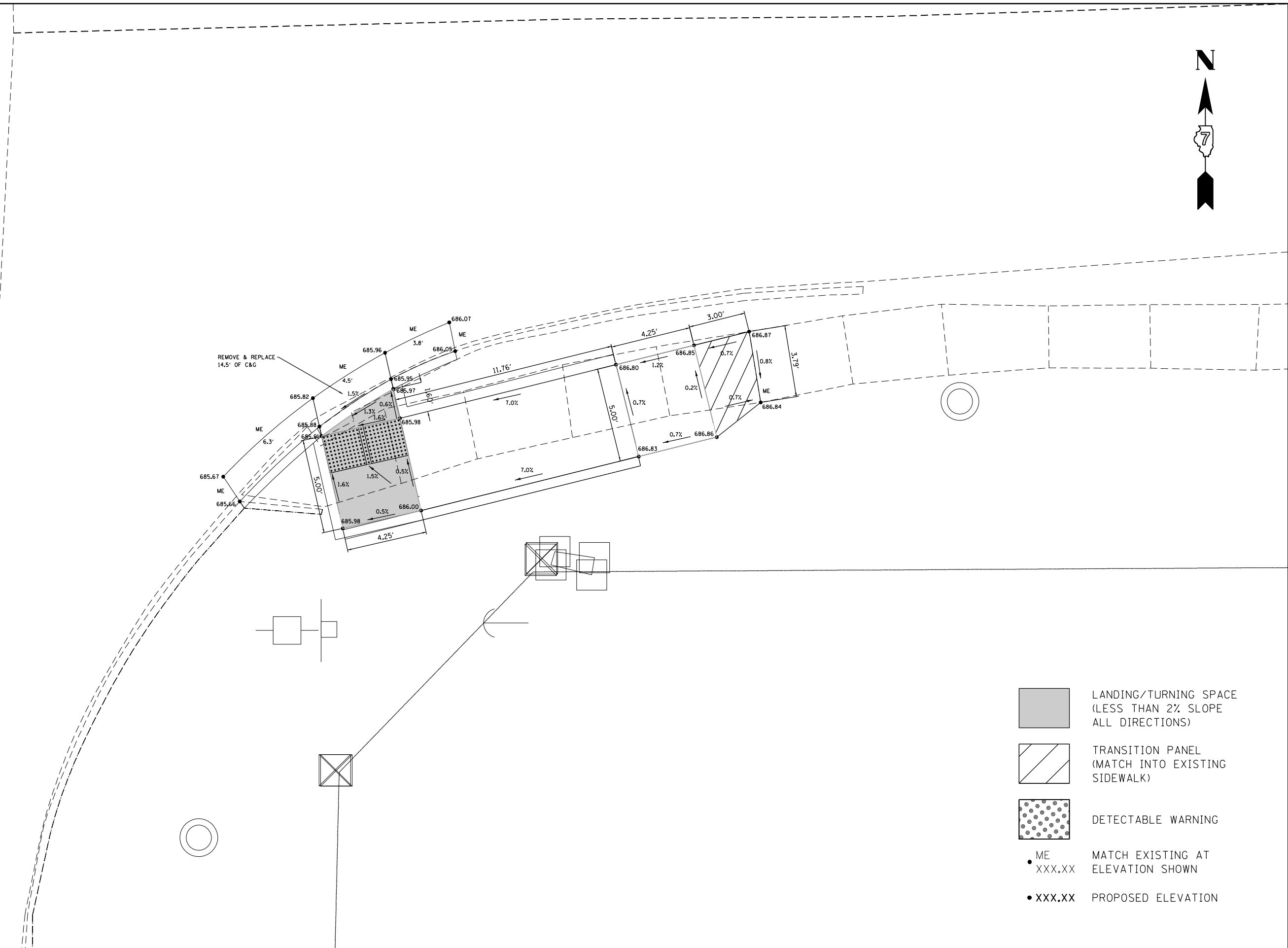
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
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAIL
McGAUGHEY DR - NE QUADRANT**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	63
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



-  LANDING/TURNING SPACE (LESS THAN 2% SLOPE ALL DIRECTIONS)
-  TRANSITION PANEL (MATCH INTO EXISTING SIDEWALK)
-  DETECTABLE WARNING
-  ME XXX.XX MATCH EXISTING AT ELEVATION SHOWN
-  • XXX.XX PROPOSED ELEVATION

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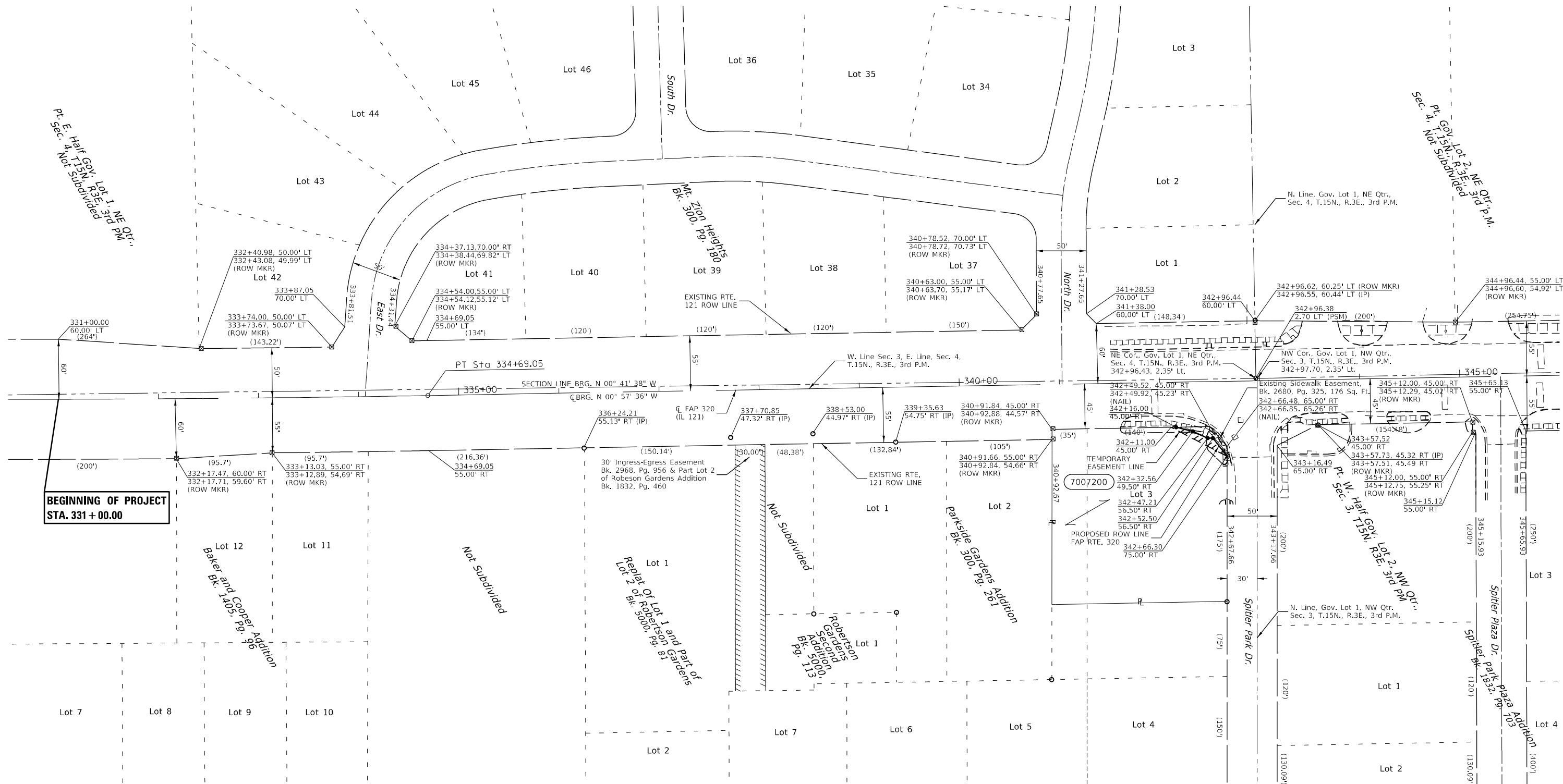
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	DRAWN -	REVISED -
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL			
McGAUGHEY DR - SE QUADRANT			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	64
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

T.15N.-R.3E., 3rd P.M., MT. ZION TWP.



**BEGINNING OF PROJECT
STA. 331 + 00.00**

EXIST. CURVE C103A
 PI STA. = 330+11.90
 $\Delta = 2^\circ 17' 10''$ (LT)
 $D = 0^\circ 15' 00''$
 $R = 22,918.31'$
 $T = 457.27'$
 $L = 914.41'$
 $e = \quad \quad$
 $T.R. = \quad \quad$
 $S.E. RUN = \quad \quad$
 $P.C. STA. = 325+54.63$
 $P.T. STA. = 334+69.05$

- - EXISTING IRON PIN
- △ - EXISTING STONE
- - SET IRON PIN
- ⊠ - EXISTING NAIL
- ⊠ - EXISTING R.O.W. MARKER
- ⊙ - EXISTING FENCE POST
- ⊠ - EXISTING CONCRETE POST
- (R) RECORDED DISTANCE

NOTE:
 BEARINGS ARE REFERENCED TO THE
 ILLINOIS STATE PLANE COORDINATE
 SYSTEM EAST ZONE DATUM OF 1983(11)
 TEMPORARY EASEMENTS NEEDED FOR A
 WORK AREA

PARCEL	DWG. NAME	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS		
			ADD	EXIST				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD	
7007200		CASEYS RETAIL COMPANY	336 SQ. FT.		328 SQ. FT.	30107 SQ. FT.								

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 PROJECT: ...

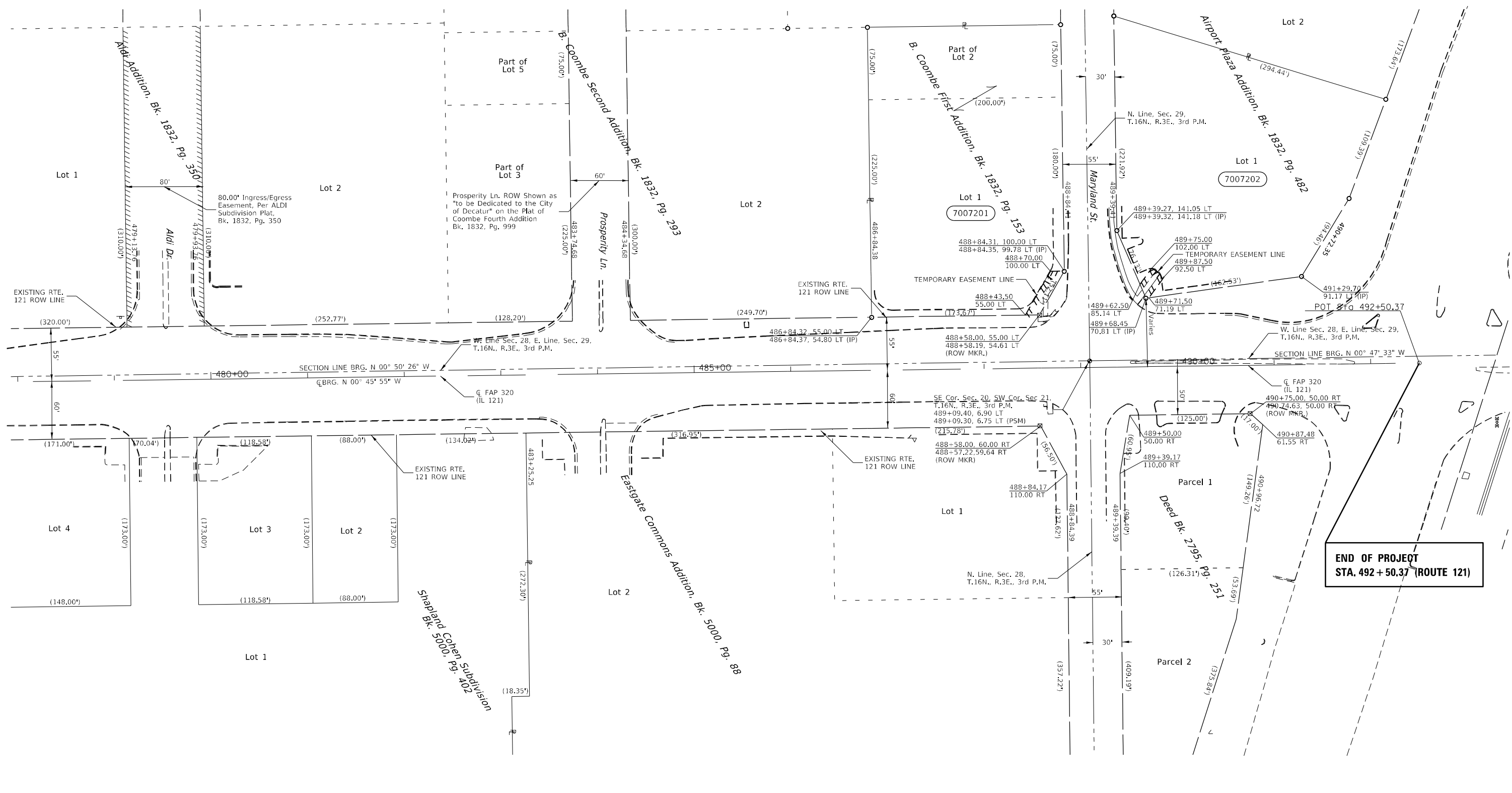
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PLOT DATE = 12/22/2022	CHECKED - JMD	REVISED -
	DATE - 12/08/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
PROJECT	JOB NO. R-97-007-20
SCALE: 1" = 50'	SHEET 2 OF 3 SHEETS
	STA. 331+00 TO STA. 346+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101 RS-2	MACON	148	64A
CONTRACT NO. 74739				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T.16N.-R.3E., 3rd P.M., LONG CREEK TWP.



**END OF PROJECT
STA. 492 + 50.37 (ROUTE 121)**

- - EXISTING IRON PIN
- ▲ - EXISTING STONE
- - SET IRON PIN
- ✕ - SET CHISELED "X"
- ⊠ - EXISTING NAIL
- ⊠ - EXISTING R.O.W. MARKER
- ⊙ - EXISTING FENCE POST
- ⊙ - EXISTING CONCRETE POST
- (R) RECORDED DISTANCE

NOTE:
BEARINGS ARE REFERENCED TO THE
ILLINOIS STATE PLANE COORDINATE
SYSTEM EAST ZONE DATUM OF 1983(11)
TEMPORARY EASEMENTS NEEDED FOR A
WORK AREA

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7007201	MCDONALDS USA, LLC			648 SQ. FT.		TCE	1992932	02/22/22	4880	22		
7007202	CORNERSTONE I, LLC			395 SQ. FT.								

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 OFFICE: 174739/CADD/Drawings/174739/174739.dwg

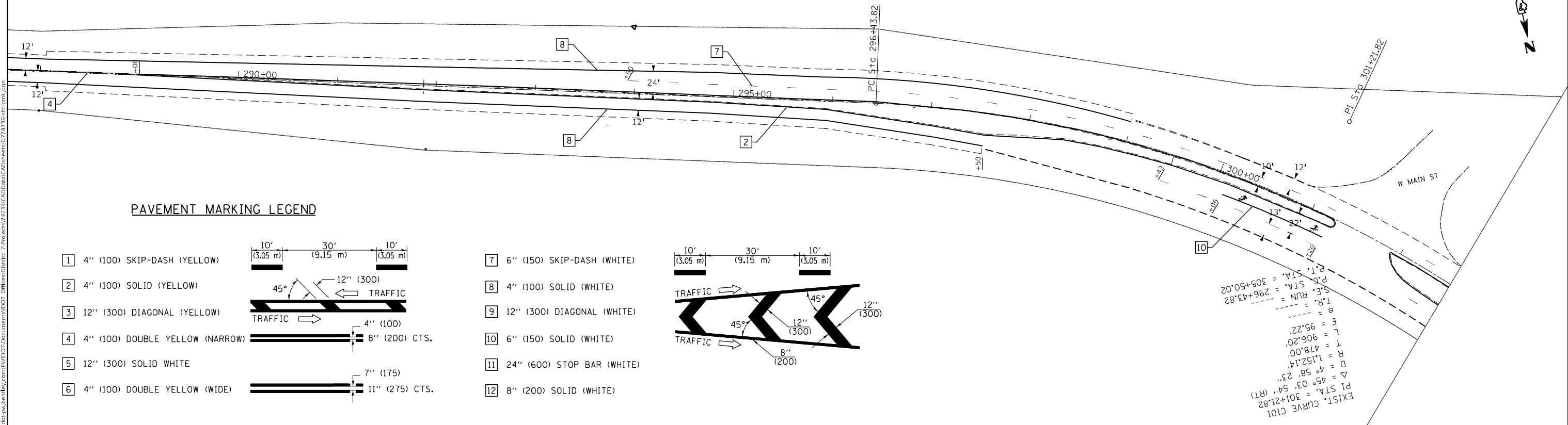
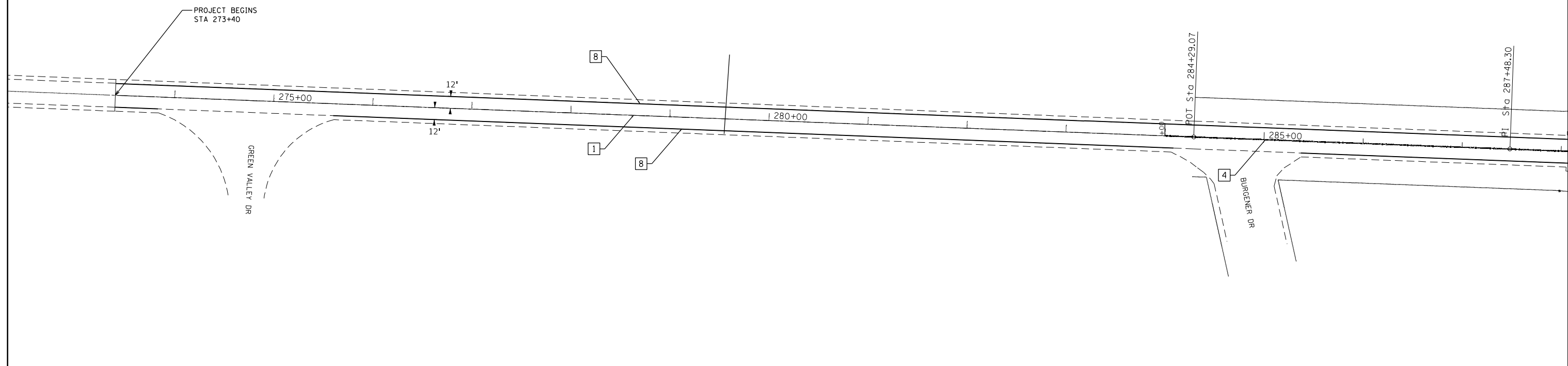
USER NAME = Jessica.Hille	DESIGNED - RDE	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RDE	REVISED -
PLOT DATE = 12/22/2022	CHECKED - JMD	REVISED -
	DATE - 08/30/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS

SCALE: 1" = 50'	PROJECT	JOB NO. R-97-007-20
SHEET 3 OF 3 SHEETS	STA. 478+00 TO STA. 492+50.57	

F.A.P. RTE. 320	SECTION 101 RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 64B
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT CONTRACT NO. 74739	



PAVEMENT MARKING LEGEND

- | | |
|--|--------------------------------------|
| <p>1 4" (100) SKIP-DASH (YELLOW)</p> | <p>7 6" (150) SKIP-DASH (WHITE)</p> |
| <p>2 4" (100) SOLID (YELLOW)</p> | <p>8 4" (100) SOLID (WHITE)</p> |
| <p>3 12" (300) DIAGONAL (YELLOW)</p> | <p>9 12" (300) DIAGONAL (WHITE)</p> |
| <p>4 4" (100) DOUBLE YELLOW (NARROW)</p> | <p>10 6" (150) SOLID (WHITE)</p> |
| <p>5 12" (300) SOLID WHITE</p> | <p>11 24" (600) STOP BAR (WHITE)</p> |
| <p>6 4" (100) DOUBLE YELLOW (WIDE)</p> | <p>12 8" (200) SOLID (WHITE)</p> |

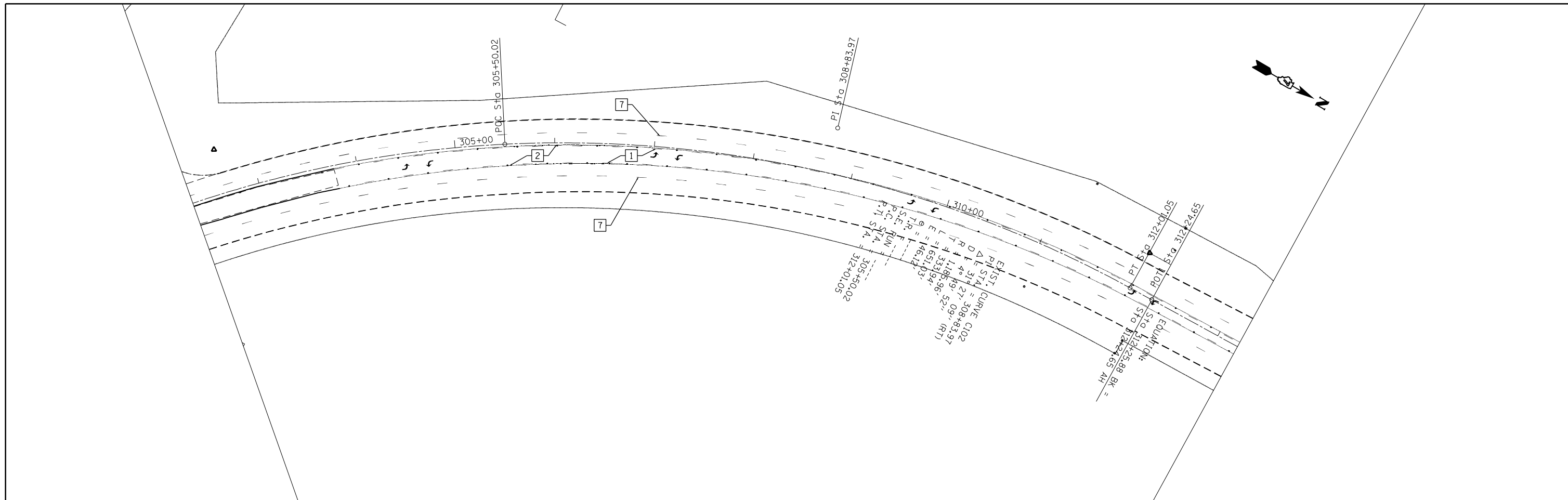
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DRAWN -	REVISOR -	
PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISOR -
PLOT DATE = 1/31/2023	DATE -	REVISOR -

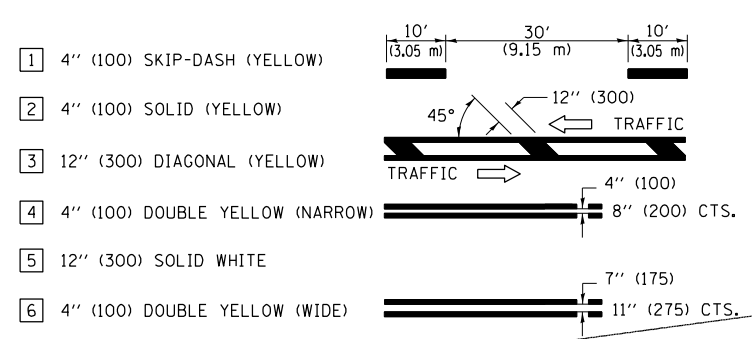
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 121 PAVEMENT MARKING DETAILS			
STATION 273+40 TO STATION 302+00			
SCALE:	SHEET 1	OF 9 SHEETS	STA. TO STA.

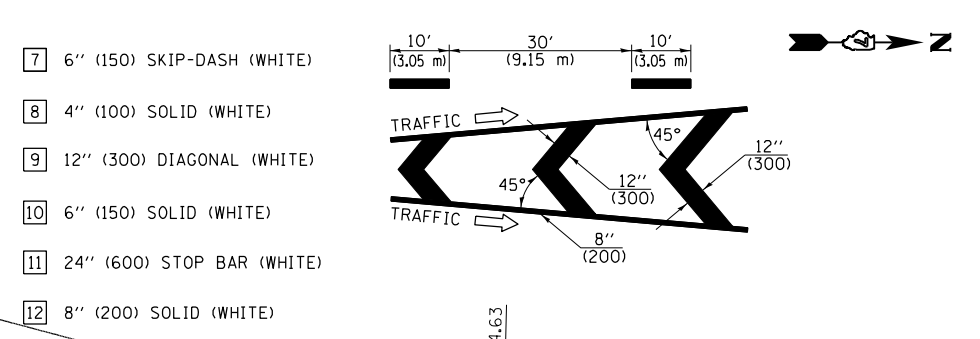
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CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



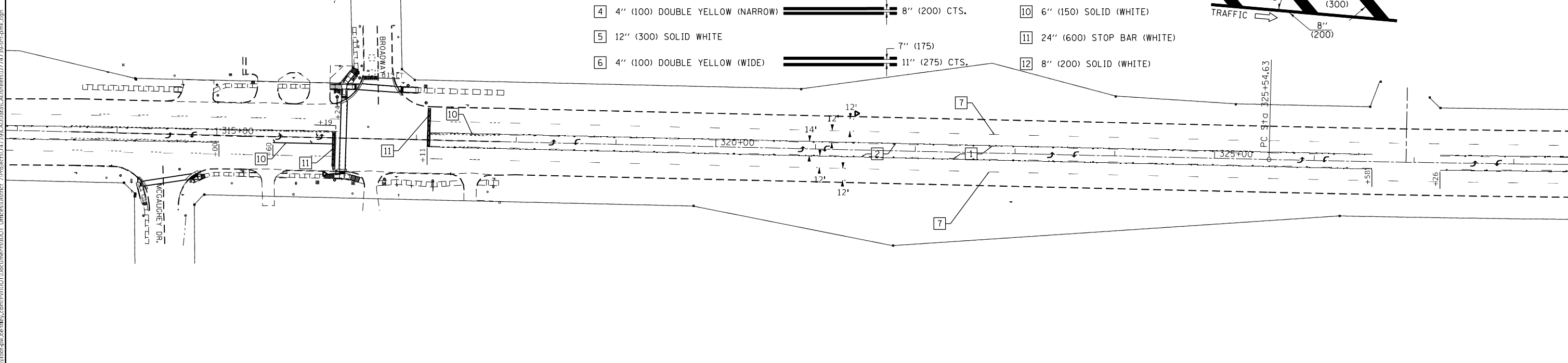
PAVEMENT MARKING LEGEND



PAVEMENT MARKING LEGEND CONTINUED



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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PAVEMENT MARKING DETAILS
STATION 303 + 00 TO STATION 328 + 00

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

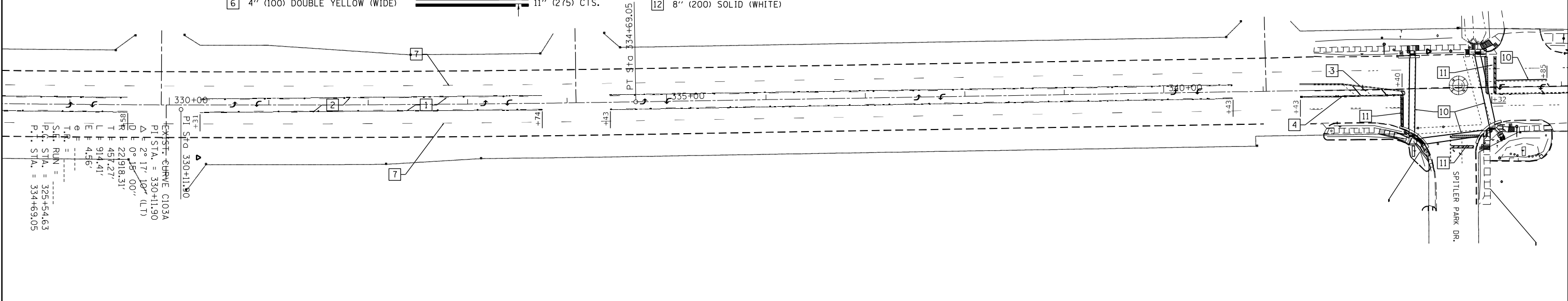
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CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

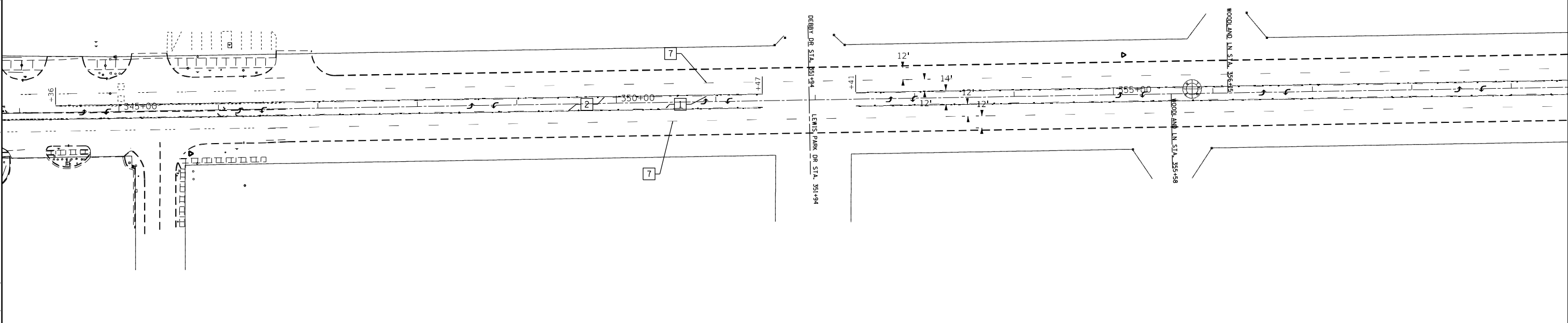
- 1 4" (100) SKIP-DASH (YELLOW)
 - 2 4" (100) SOLID (YELLOW)
 - 3 12" (300) DIAGONAL (YELLOW)
 - 4 4" (100) DOUBLE YELLOW (NARROW)
 - 5 12" (300) SOLID WHITE
 - 6 4" (100) DOUBLE YELLOW (WIDE)
-

PAVEMENT MARKING LEGEND CONTINUED

- 7 6" (150) SKIP-DASH (WHITE)
 - 8 4" (100) SOLID (WHITE)
 - 9 12" (300) DIAGONAL (WHITE)
 - 10 6" (150) SOLID (WHITE)
 - 11 24" (600) STOP BAR (WHITE)
 - 12 8" (200) SOLID (WHITE)
-



EXIST. CURVE C103A
 P.I. STA. = 330+11.90
 Δ E 2° 17' 10" (LT)
 D E 0° 15' 00"
 T E 22918.31'
 L E 457.27'
 L E 914.41'
 E F 4.56'
 e F
 T.R. =
 S.C. RUN =
 P.C. STA. = 325+54.63
 P.T. STA. = 334+69.05



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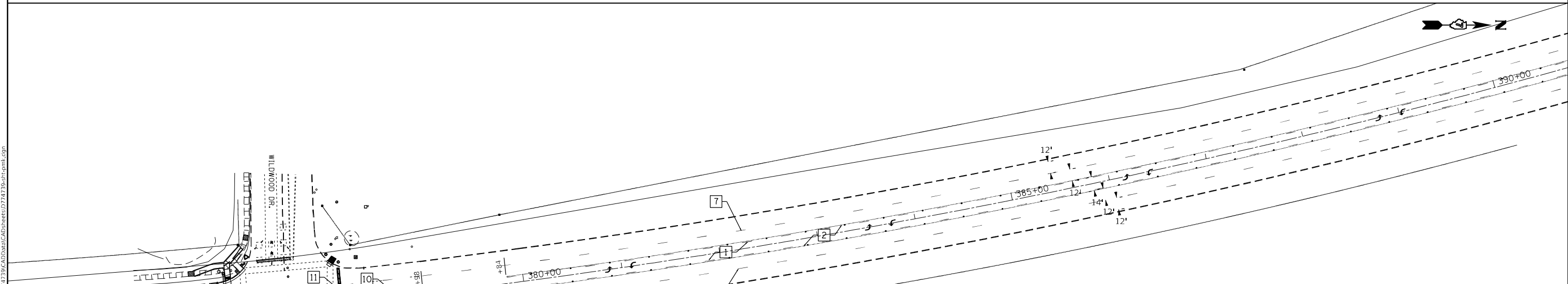
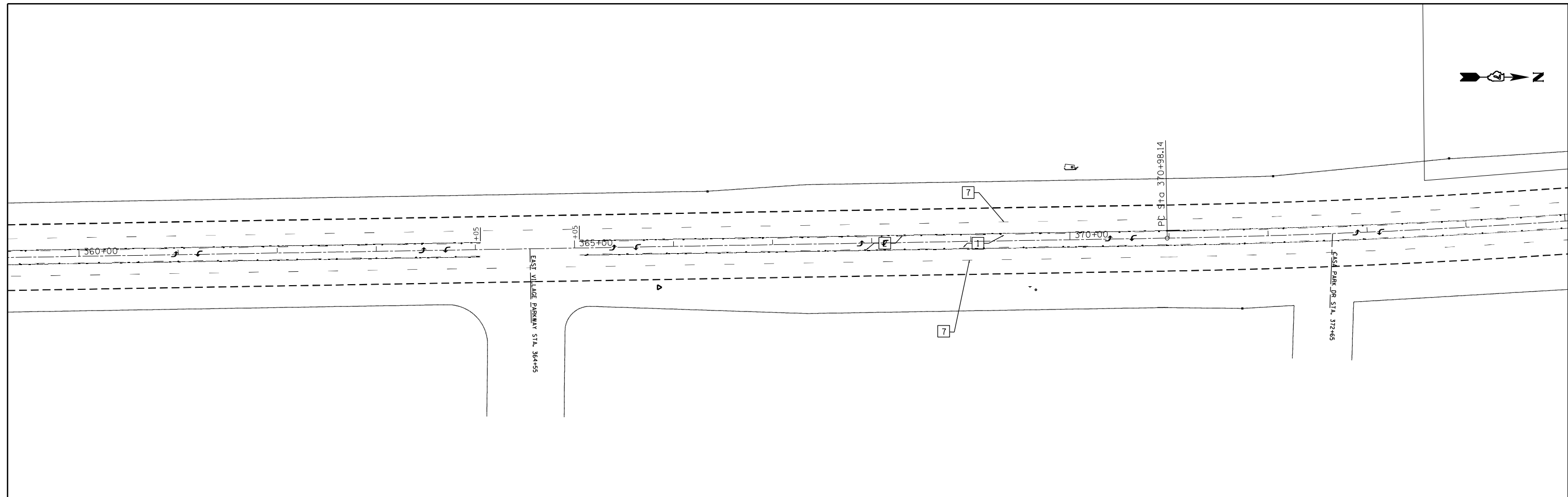
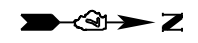
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 121 PAVEMENT MARKING DETAILS
 STATION 329+00 TO STATION 359+00

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 67
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

PAVEMENT MARKING LEGEND CONTINUED

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)

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USER NAME = Mona.Steffen	DESIGNED -	REVISD -
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PLOT DATE = 1/31/2023	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

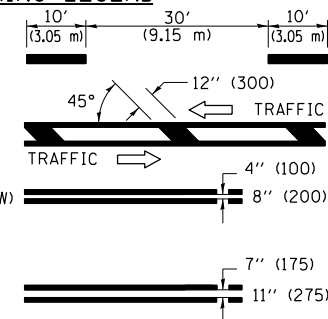
**IL 121 PAVEMENT MARKING DETAILS
STATION 360+00 TO STATION 390+00**

SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	68
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

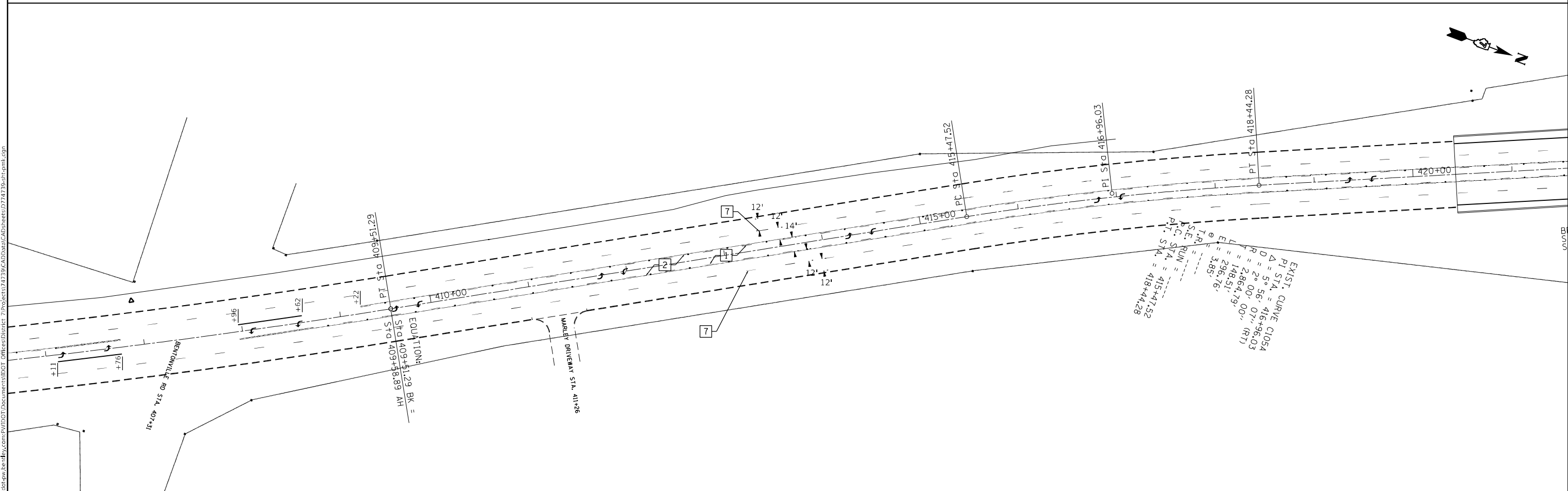
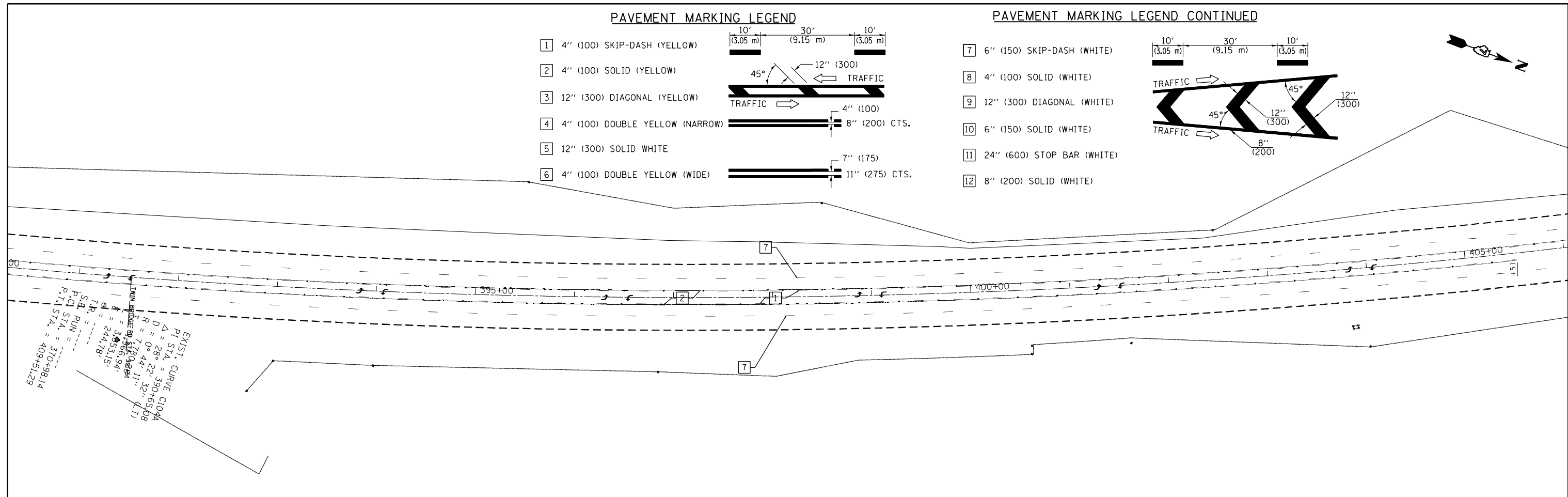
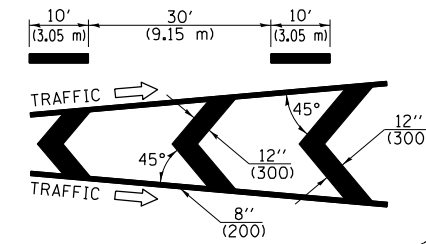
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)



PAVEMENT MARKING LEGEND CONTINUED

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



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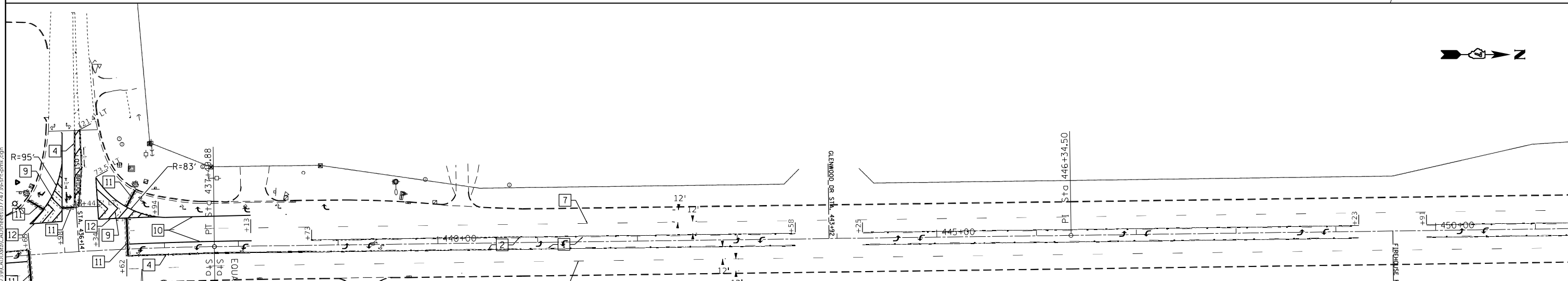
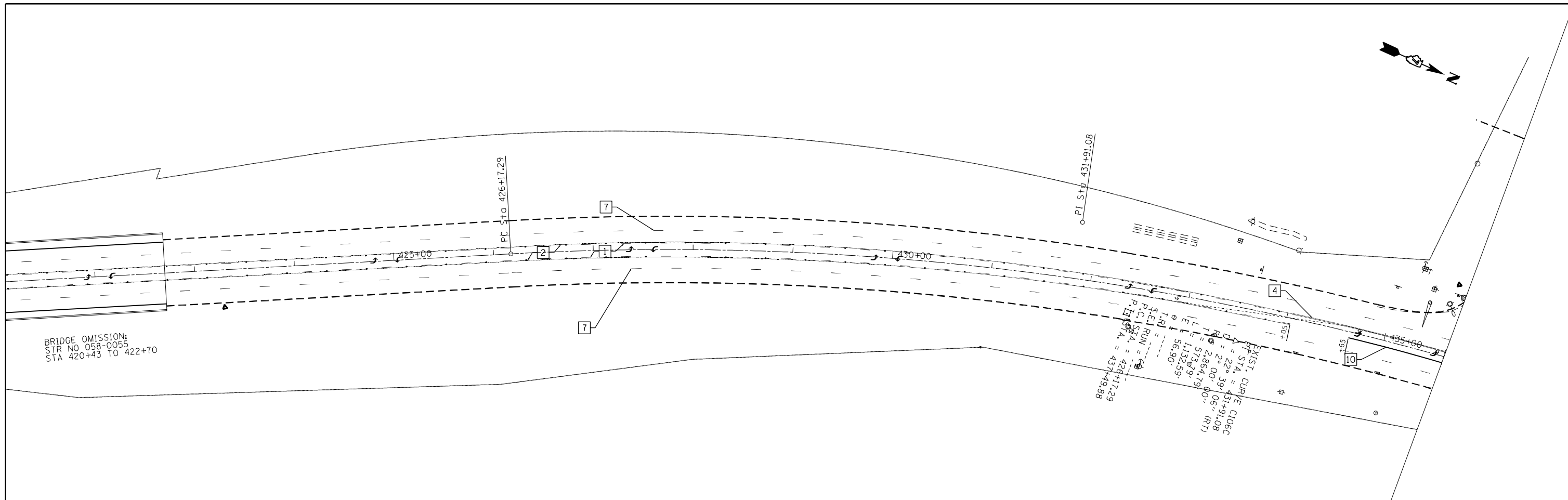
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 121 PAVEMENT MARKING DETAILS
STATION 391+00 TO STATION 420+00

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 69
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

PAVEMENT MARKING LEGEND CONTINUED

- | | | | | | |
|---|---------------------------------|--|----|----------------------------|--|
| 1 | 4" (100) SKIP-DASH (YELLOW) | | 7 | 6" (150) SKIP-DASH (WHITE) | |
| 2 | 4" (100) SOLID (YELLOW) | | 8 | 4" (100) SOLID (WHITE) | |
| 3 | 12" (300) DIAGONAL (YELLOW) | | 9 | 12" (300) DIAGONAL (WHITE) | |
| 4 | 4" (100) DOUBLE YELLOW (NARROW) | | 10 | 6" (150) SOLID (WHITE) | |
| 5 | 12" (300) SOLID WHITE | | 11 | 24" (600) STOP BAR (WHITE) | |
| 6 | 4" (100) DOUBLE YELLOW (WIDE) | | 12 | 8" (200) SOLID (WHITE) | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

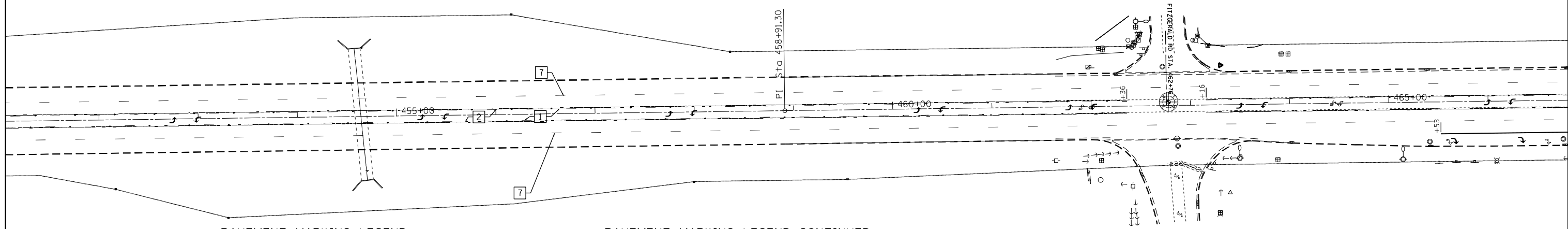
IL 121 PAVEMENT MARKING DETAILS
STATION 422+00 TO STATION 451+00

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
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SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

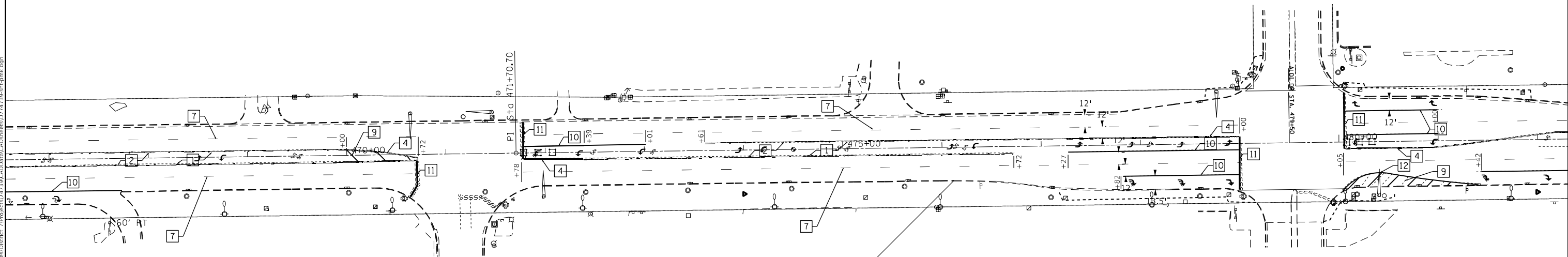
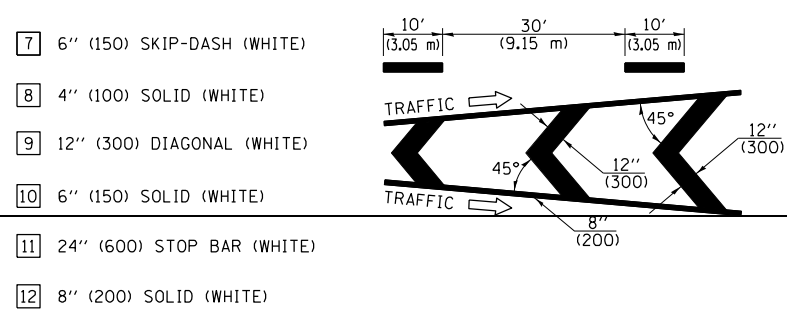
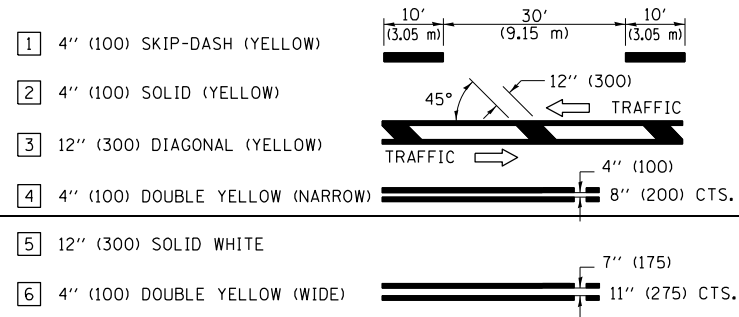
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	70
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING LEGEND

PAVEMENT MARKING LEGEND CONTINUED



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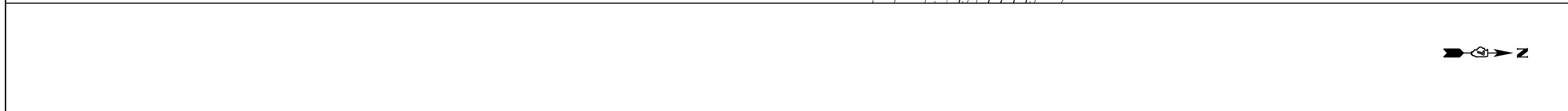
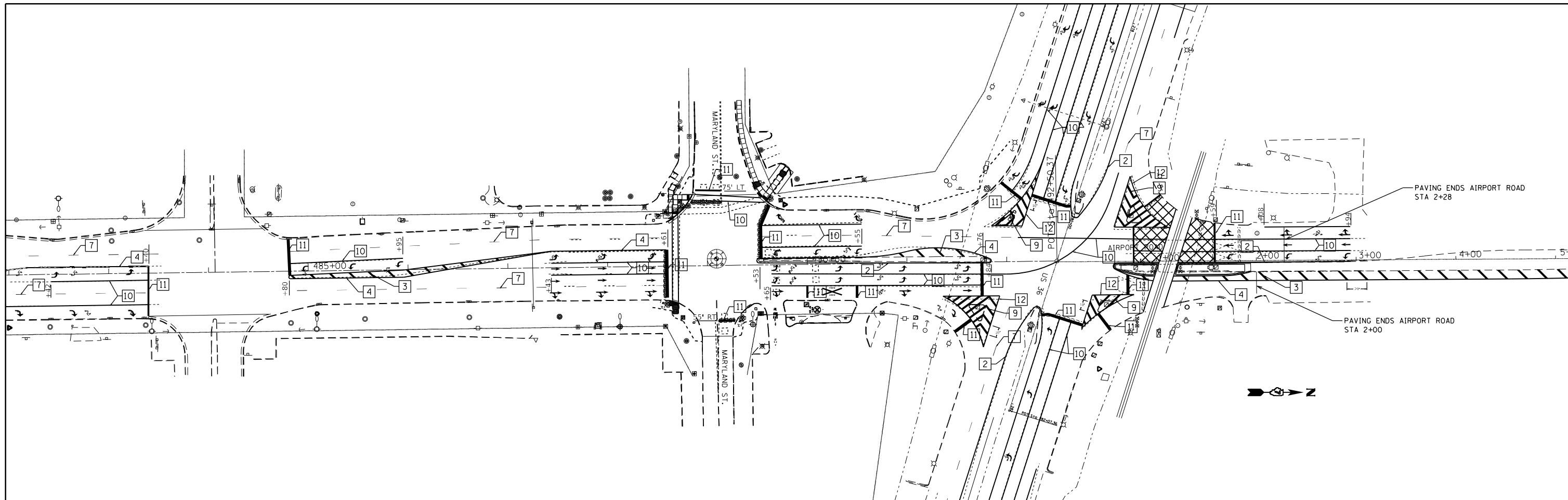
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PLOT DATE = 1/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 121 PAVEMENT MARKING DETAILS
STATION 452 + 00 TO STATION 482 + 00**

SCALE: SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	71
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)

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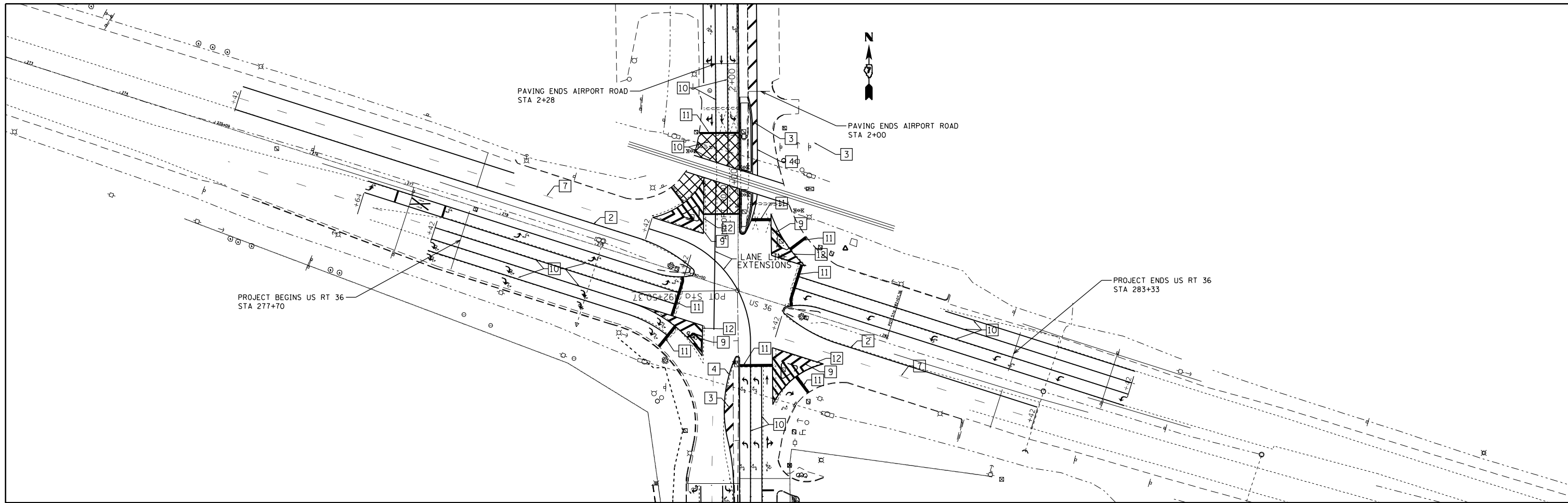
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

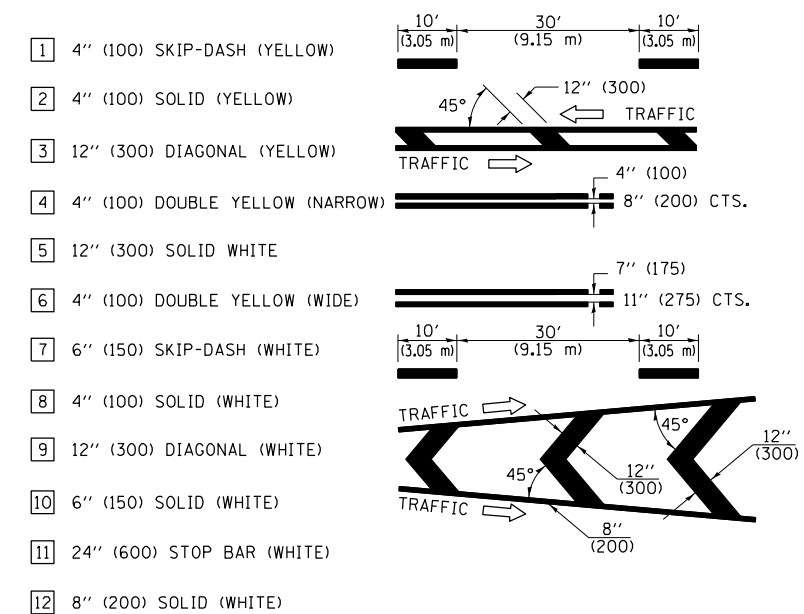
IL 121 PAVEMENT MARKING DETAILS

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	72
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND



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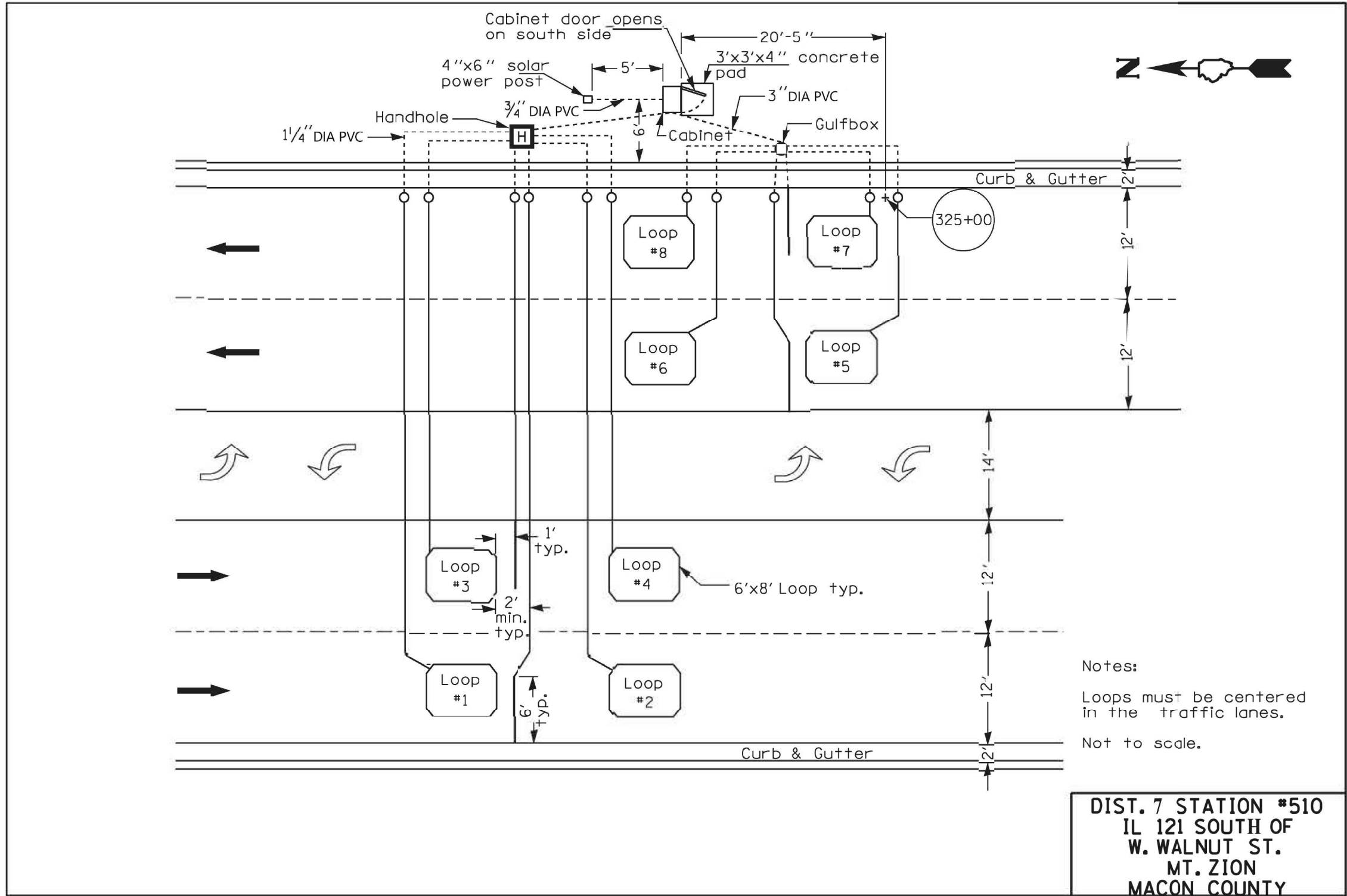
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	73
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC COUNTER REPLACEMENT PLAN
STATION #510

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	74
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL GENERAL NOTES

THIS TRAFFIC SIGNAL PORTION OF THIS PROJECT CONSISTS OF TRAFFIC SIGNAL MODIFICATIONS AT EIGHT(8) INTERSECTIONS LOCATED ON (IL 121), SOUTH OF US 36 AND THE DECATUR AIRPORT LOCATED IN THE CITY OF DECATUR & MT ZION, MACON COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC SIGNALS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS PORTION OF THIS PROJECT.

THE EXISTING UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL J.U.L.I.E. AT 1-800-892-0123. THE TRAFFIC SIGNAL UTILITY LINES WILL BE LOCATED BY IDOT, CALL 217-342-5677.

THE TRAFFIC SIGNAL ENGINEER AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 217-342-5677 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

THE SIZE OF THE CABLE SUPPLIED SHALL BE EQUAL TO OR GREATER THAN THE SIZE OF THE CABLE REQUIRED TO CARRY THE LOAD BETWEEN THE CONTROLLER AND THE SERVICE INSTALLATION

A 2 FOOT MINIMUM, 6 FOOT DESIRABLE, HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF CURB TO THE EDGE OF HANDHOLES, JUNCTION BOXES AND SIGNAL POST FOUNDATIONS. A 5 FOOT MINIMUM HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF THE CURB TO ALL MAST ARM FOUNDATIONS. CONTROLLER FOUNDATIONS SHALL BE LOCATED AS FAR FROM THE BACK OF THE CURB AS POSSIBLE TO PROTECT THE CONTROLLER CABINET.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE ELECTRICAL WORK PAY ITEM.

THE NUMBER OF CONDUCTORS FOR ELECTRIC CABLES AS SHOWN ON THE PLANS SHALL BE THE MINIMUM NUMBER OF CONDUCTORS FURNISHED FOR EACH LOCATION. THE CONTRACTOR MAY SUBSTITUTE AN ELECTRIC CABLE WITH MORE CONDUCTORS THAN SPECIFIED BUT NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE EXTRA CONDUCTORS.

ALL NEW TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL ALLOWED ONLY FOR DETECTOR LOOPS IN THE FIRST HANDHOLE OR GULFBOX OR INSIDE THE HANDHOLE LOCATED ON THE MAST ARM POLE FOR ANY SIGNAL HEADS LOCATED ON THE MAST ARM.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.

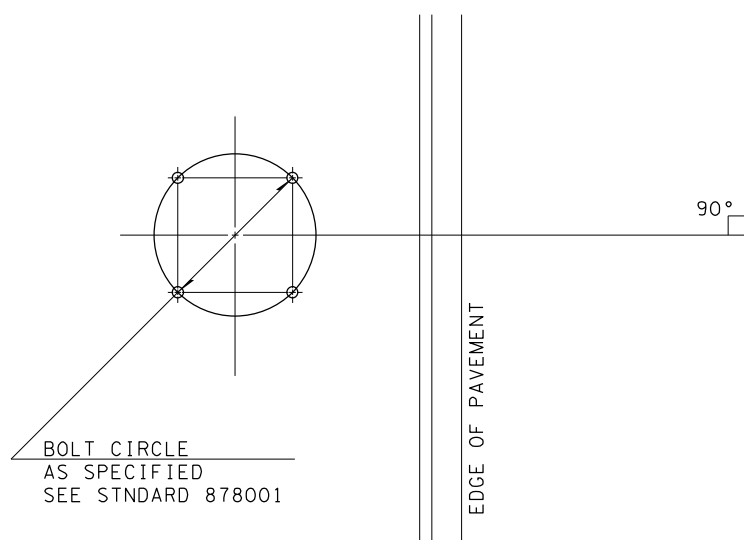
ALL MAST ARM MOUNTED SIGNAL HEADS SHALL BE MOUNTED AS TO ALIGN WITH THE CENTER OF THE LANE EXCEPT WHERE AN ADDITIONAL PRIMARY SIGNAL IS REQUIRED.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED SIGNAL HEAD PAY ITEMS.

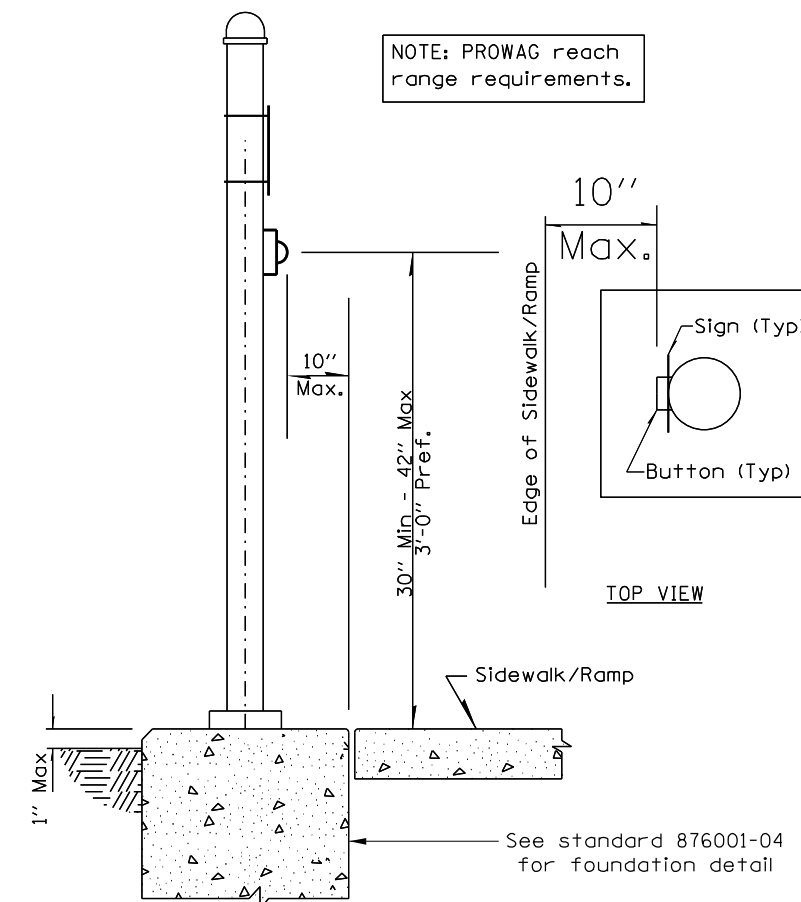
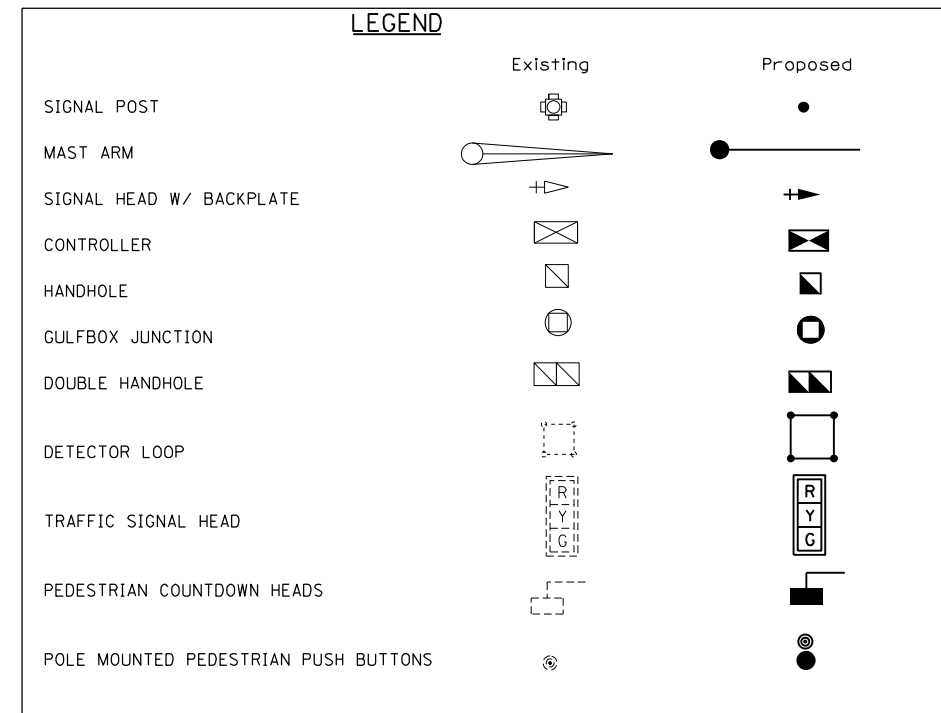
ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES (STANDARD, COMBINATION, OR DUAL) MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.

NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS

		LOOP SIZE IN (FT)				NUMBER OF TURNS
		6 X 30		6 X 40		
DISTANCE FROM CONTROLLER (FT)						
	0	491		627		2 TURNS
		492	982	628	1255	3 TURNS
0	545	983	1636	1256	2091	4 TURNS
546	818	1637	2455	2092	3136	5 TURNS
819	1145	2456	3436			6 TURNS
1146	1527					7 TURNS
1528	1964					8 TURNS
1965	2455					9 TURNS
2456	3000					10 TURNS



DETAIL OF MAST ARM FOUNDATION
BOLT PATTERN



PEDESTRIAN PUSH-BUTTON LOCATION

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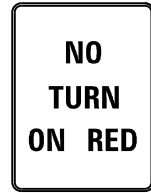
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF US 36 & IL 121 (AIRPORT RD)
GENERAL NOTES & DETAILS

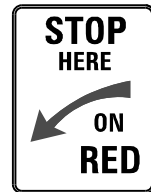
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	75
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74739	



30"x36"
Black on White
MUTCD SIGN DESIGNATION R10-11a

TO INSTALLED ON TEMPORARY SIGNAL POST (STA 279+55.7 141.5' LT)



24"x30"
Black on White
MUTCD SIGN DESIGNATION R10-6A

TO INSTALLED ON SB MAST SIGNAL POST (STA 279+60.0 123.0' LT)



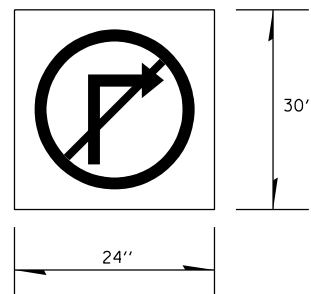
24"x30"
Black on White
MUTCD SIGN DESIGNATION R10-6A

TO INSTALLED ON NEW SIGNAL POST IN MEDIAN (STA 280+10.5 144.3' LT)



24"x30"
Black on White
MUTCD SIGN DESIGNATION R8-8

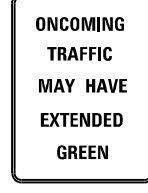
TO INSTALLED ON TEMPORARY SIGNAL POST (STA 279+55.7 141.5' LT)
TO INSTALLED ON NEW METAL SIGN POST (STA 279+49.5 82.0' LT)



ILLUMINATED SIGN, SPECIAL

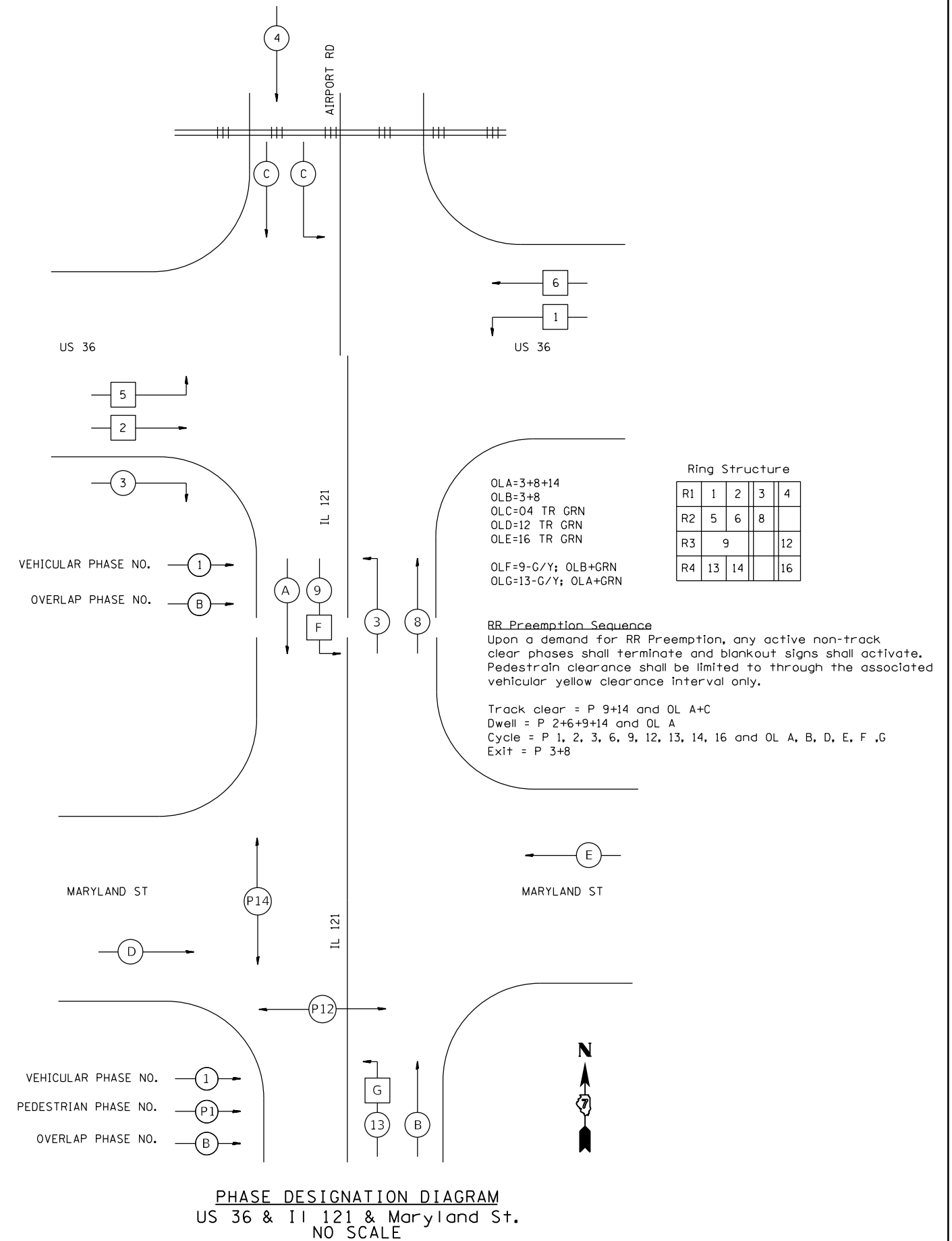
LED BLANK OUT, RAILROAD PRE-EMPTIVE ACTIVATION

TO BE INSTALLED ON MAST SIGNAL POST (STA 279+10.0 63.7' LT)
TO BE INSTALLED ON MAST SIGNAL POST (STA 280+95 85.6' LT)



24"x30"
Black on Yellow
MUTCD SIGN DESIGNATION W25-2

TO INSTALLED ON NB MAST SIGNAL POST (STA 280+95 85.6' LT)
TO INSTALLED ON WB MAST SIGNAL POST (STA 279+10 63.7' LT)



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USER NAME =	Mona.Steffen
DESIGNED -	
DRAWN -	
PLOT SCALE =	40,0000 */ in.
CHECKED -	
DATE -	1/31/2023

REVISED -	
REVISED -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

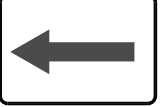
**INTERSECTION OF US 36 & IL 121 (AIRPORT RD)
DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	76
				CONTRACT NO. 74739
ILLINOIS FED. AID PROJECT				


SOUTH 30"x15"
Black on White M3-3

ILLINOIS 121 45"x36"
Black on White
MUTCD SIGN DESIGNATION MI-1100

 30"x18"
Black on White M6-1


NORTH 30"x15"
Black on White M3-1

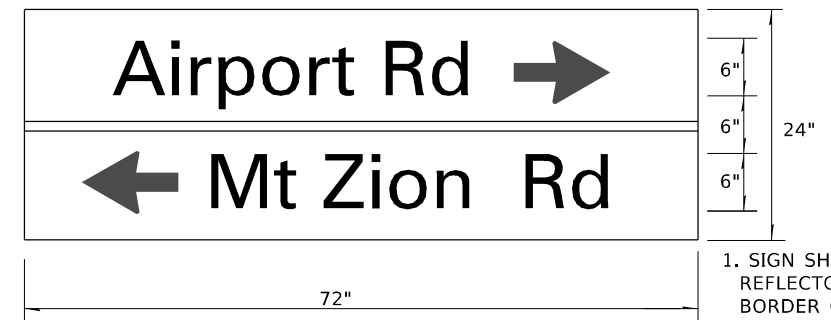
ILLINOIS 121 45"x36"
Black on White
MUTCD SIGN DESIGNATION MI-1100

 30"x18"
Black on White M6-3

WEST 30"x15"
Black on White M3-4

36 36"x36"
Black on White
MUTCD SIGN DESIGNATION MI-4

 30"x18"
Black on White M6-3



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 279+10.0, 63.7' LT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE 6" LETTERS T2000HWY E MOD FONT

TO BE INSTALLED ON WESTBOUND MAST ARM (STA 279+10.0, 63.7' LT)

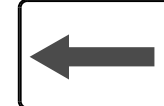
NORTH 30"x15"
Black on White M3-1

ILLINOIS 121 45"x36"
Black on White
MUTCD SIGN DESIGNATION MI-1100

 30"x18"
Black on White M6-1

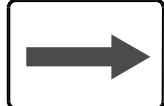
WEST 30"x15"
Black on White M3-4


36 36"x36"
Black on White
MUTCD SIGN DESIGNATION MI-4


 36"x18"
Black on White M6-1


EAST 30"x15"
Black on White M3-2

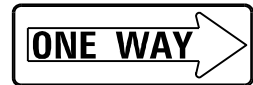
36 36"x36"
Black on White
MUTCD SIGN DESIGNATION MI-4

 30"x18"
Black on White M6-1

 36"x12"
White on Black
MUTCD SIGN DESIGNATION R6-1

 36"x12"
White on Black
MUTCD SIGN DESIGNATION R6-1

 36"x12"
White on Black
MUTCD SIGN DESIGNATION R6-1

 36"x12"
White on Black
MUTCD SIGN DESIGNATION R6-1

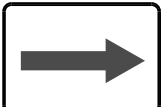
TO BE INSTALLED ON WESTBOUND MAST ARM POST (STA 279+10.0, 63.7' LT)

TO BE INSTALLED ON EASTBOUND MAST ARM POST (STA 281+64.4, 72.1' LT)

TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 280+95, 85.6' LT)


SOUTH 30"x15"
Black on White M3-3

ILLINOIS 121 45"x36"
Black on White
MUTCD SIGN DESIGNATION MI-1100

 30"x18"
Black on White M6-1

EAST 30"x15"
Black on White M3-2

36 36"x36"
Black on White
MUTCD SIGN DESIGNATION MI-4

 30"x18"
Black on White M6-3



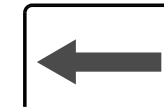
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 281+64.4, 72.1' LT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE 6" LETTERS T2000HWY E MOD FONT

TO BE INSTALLED ON EASTBOUND MAST ARM (STA 281+64.4, 72.1' LT)

EAST 30"x15"
Black on White M3-2

36 36"x36"
Black on White
MUTCD SIGN DESIGNATION MI-4

 30"x18"
Black on White M6-1


WEST 30"x15"
Black on White M3-4

36 36"x36"
Black on White
MUTCD SIGN DESIGNATION MI-4

 30"x18"
Black on White M6-1

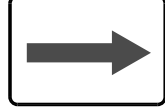
SOUTH 30"x15"
Black on White M3-3

ILLINOIS 121 45"x36"
Black on White
MUTCD SIGN DESIGNATION MI-1100

 30"x18"
Black on White M6-3

NORTH 30"x15"
Black on White M3-1

ILLINOIS 121 45"x36"
Black on White
MUTCD SIGN DESIGNATION MI-1100

 30"x18"
Black on White M6-1

TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 279+96.8, 90.6' RT)

SIGN PANEL DETAILS

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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF US 36 & IL 121 (AIRPORT RD)			
SIGN PANEL DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	77
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIALS- Airport Rd & Il 121

CODE	ITEM	UNIT	QUANTITY
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SOFT	57
72000100	SIGN PANEL-TYPE 1	SOFT	184
72000200	SIGN PANEL-TYPE 2	SOFT	92
81028310	UNDERGROUND CONDUIT, PVC, 3/4" DIA	FOOT	156
81028340	UNDERGROUND CONDUIT, PVC, 1-1/2" DIA	FOOT	63
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	151
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA	FOOT	618
81028400	UNDERGROUND CONDUIT, PVC, 5" DIA	FOOT	58
81400100	HANDHOLE	EACH	10
81400300	DOUBLE HANDHOLE	EACH	3
81500100	GULFBOX JUNCTION	EACH	3
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
85700310	RAILROAD FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 3C	FOOT	767
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 5C	FOOT	7079
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 7C	FOOT	466
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN NO 14 1 PAIR	FOOT	4238
87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO 14 3C	FOOT	252
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2C	FOOT	18
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1C	FOOT	803
87502420	TRAFFIC SIGNAL POST, GALVANIZED STEEL 8 FT	EACH	1
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	EACH	2
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT	EACH	1
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT	EACH	1

CODE	ITEM	UNIT	QUANTITY
87700408	STEEL MAST ARM ASSEMBLY AND POLE, 64 FT	EACH	1
87700428	STEEL MAST ARM ASSEMBLY AND POLE, 74 FT	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
87900200	DRILL EXISING HANDHOLE	EACH	2
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	12
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	26
88500100	INDUCTIVE LOOP DETECTOR	EACH	20
88600100	DETECTOR LOOP, TYPE I	FOOT	1747
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	11
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
X0323071	SPARE FULL-ACTUATED CONTROLLER, SPECIAL	EACH	1
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SOFT	57
X8050115	SERVICE INSTALLATION TYPE A (MODIFIED)	EACH	1
X8910050	ILLUMINATED SIGN, SPECIAL	EACH	2

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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US 36 & IL 121 (AIRPORT RD)
BILL OF MATERIALS**

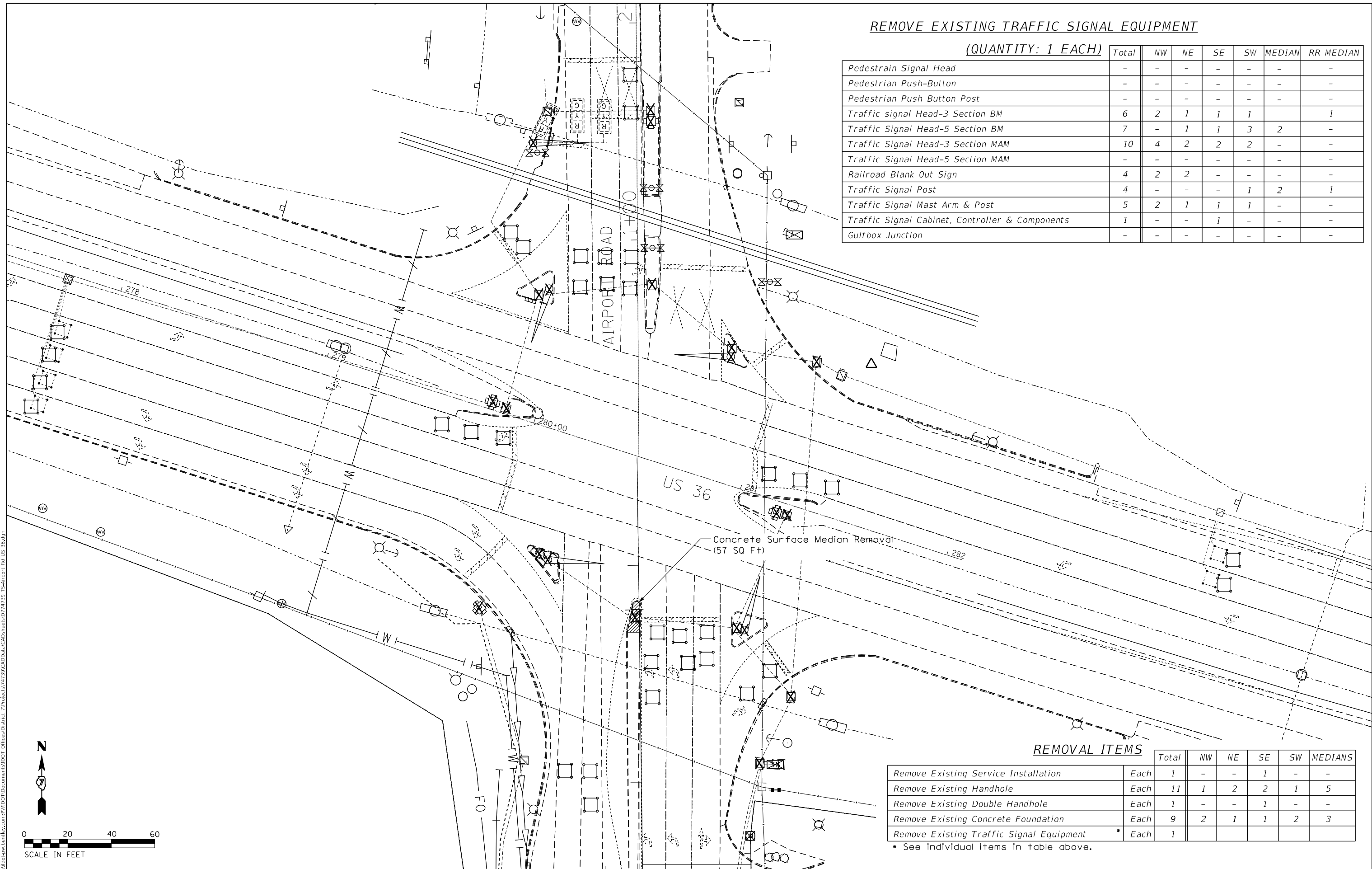
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	78
			CONTRACT NO. 74739	
		ILLINOIS	FED. AID PROJECT	

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

(QUANTITY: 1 EACH)

	Total	NW	NE	SE	SW	MEDIAN	RR MEDIAN
Pedestrian Signal Head	-	-	-	-	-	-	-
Pedestrian Push-Button	-	-	-	-	-	-	-
Pedestrian Push Button Post	-	-	-	-	-	-	-
Traffic Signal Head-3 Section BM	6	2	1	1	1	-	1
Traffic Signal Head-5 Section BM	7	-	1	1	3	2	-
Traffic Signal Head-3 Section MAM	10	4	2	2	2	-	-
Traffic Signal Head-5 Section MAM	-	-	-	-	-	-	-
Railroad Blank Out Sign	4	2	2	-	-	-	-
Traffic Signal Post	4	-	-	-	1	2	1
Traffic Signal Mast Arm & Post	5	2	1	1	1	-	-
Traffic Signal Cabinet, Controller & Components	1	-	-	1	-	-	-
Gulfbox Junction	-	-	-	-	-	-	-



REMOVAL ITEMS

	Total	NW	NE	SE	SW	MEDIANS
Remove Existing Service Installation	Each 1	-	-	1	-	-
Remove Existing Handhole	Each 11	1	2	2	1	5
Remove Existing Double Handhole	Each 1	-	-	1	-	-
Remove Existing Concrete Foundation	Each 9	2	1	1	2	3
Remove Existing Traffic Signal Equipment	Each 1					

* See individual items in table above.

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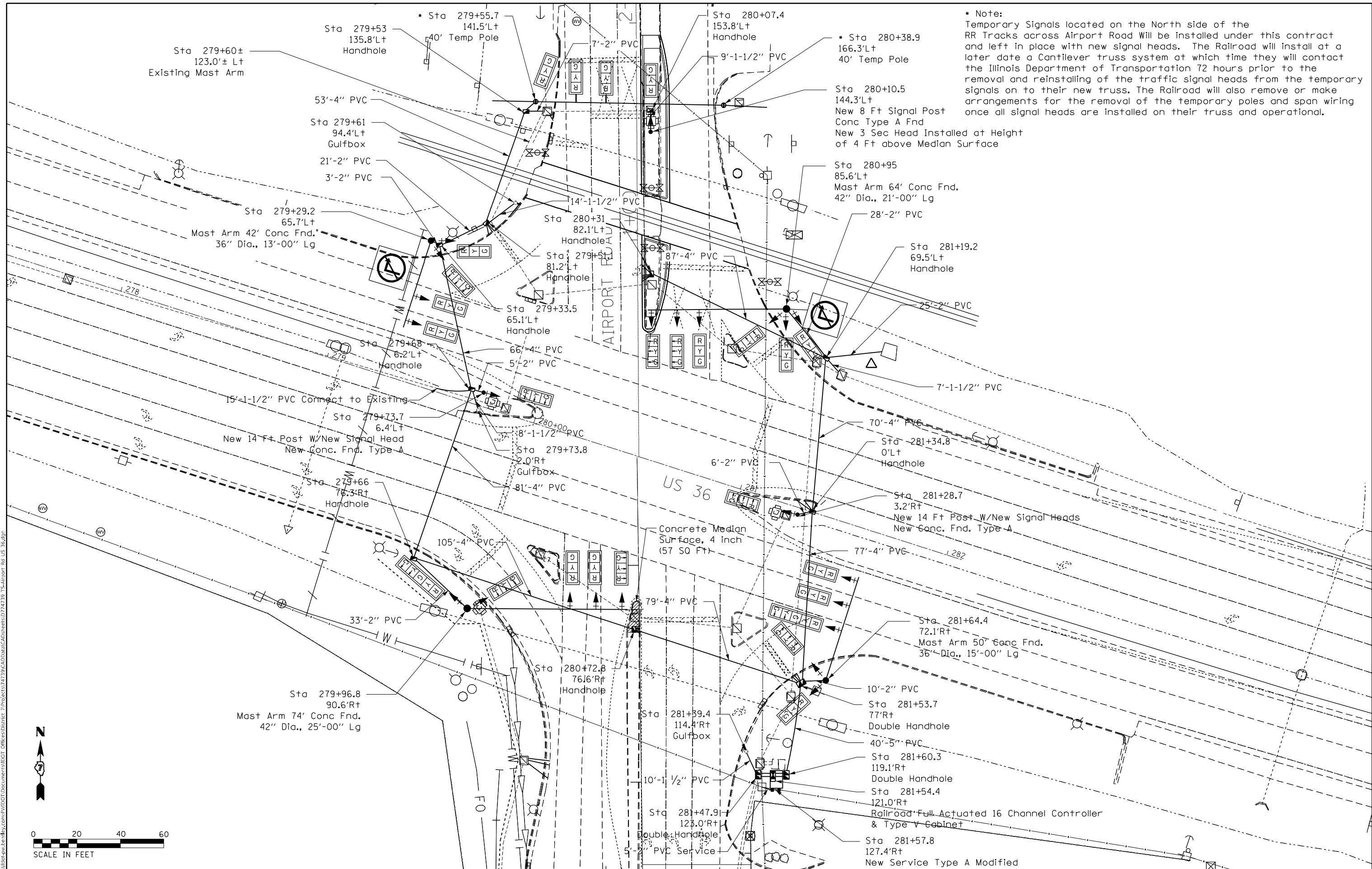
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	DRAWN -	REVISED -
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PLOT DATE = 12/22/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF US 36 & IL 121(AIRPORT RD)
REMOVAL ITEMS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	79
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



* Note:
 Temporary Signals located on the North side of the RR Tracks across Airport Road Will be installed under this contract and left in place with new signal heads. The Railroad will install at a later date a Cantilever truss system at which time they will contact the Illinois Department of Transportation 72 hours prior to the removal and reinstalling of the traffic signal heads from the temporary signals on to their new truss. The Railroad will also remove or make arrangements for the removal of the temporary poles and span wiring once all signal heads are installed on their truss and operational.



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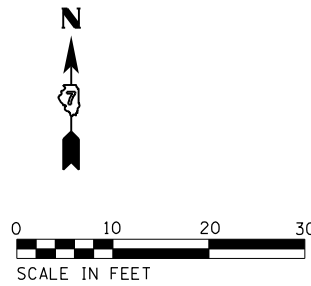
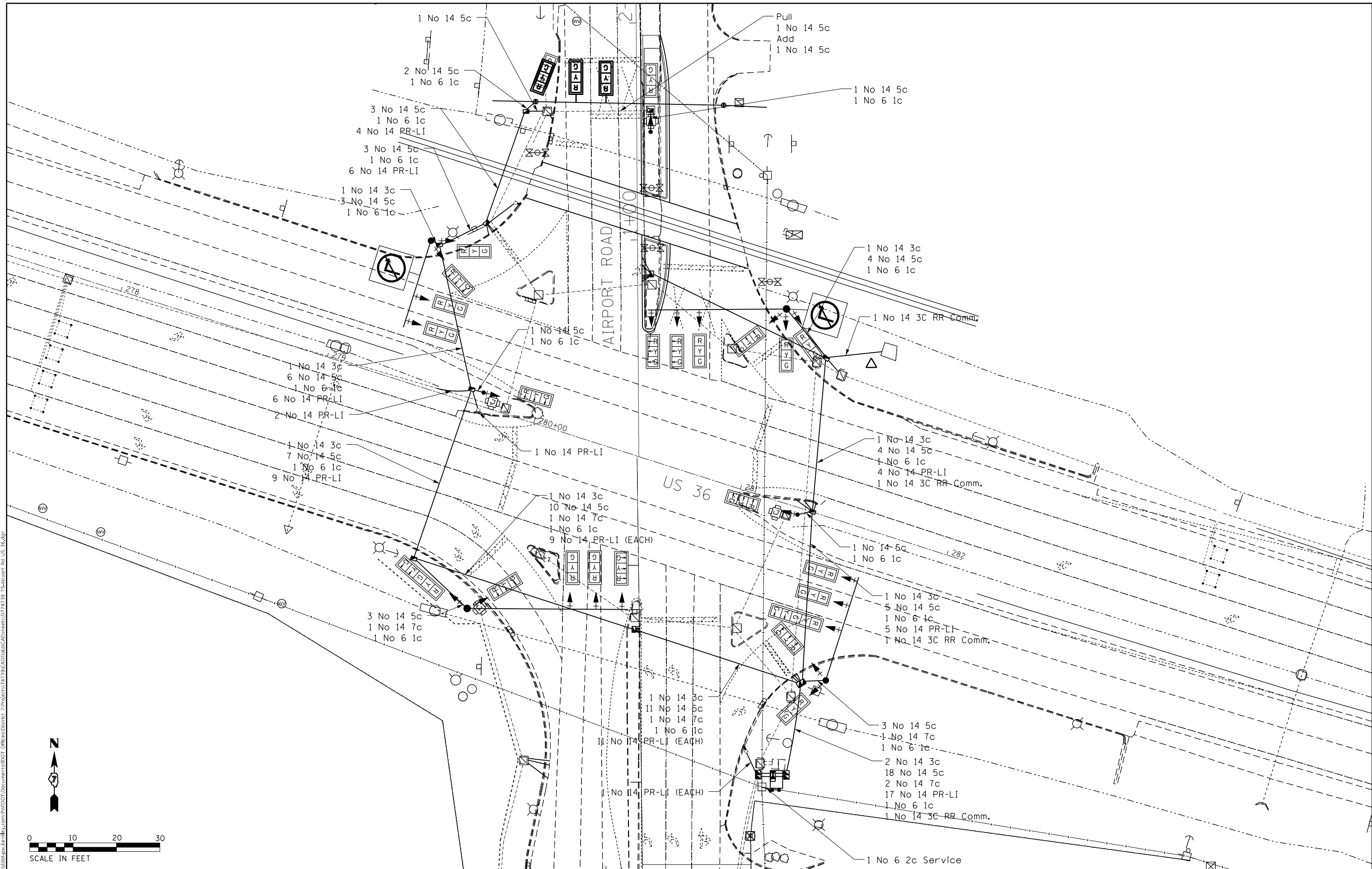
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US 36 & IL 121(AIRPORT RD)
 SIGNAL LAYOUT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 80
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US 36 & IL 121(AIRPORT RD)
 CABLE LAYOUT**

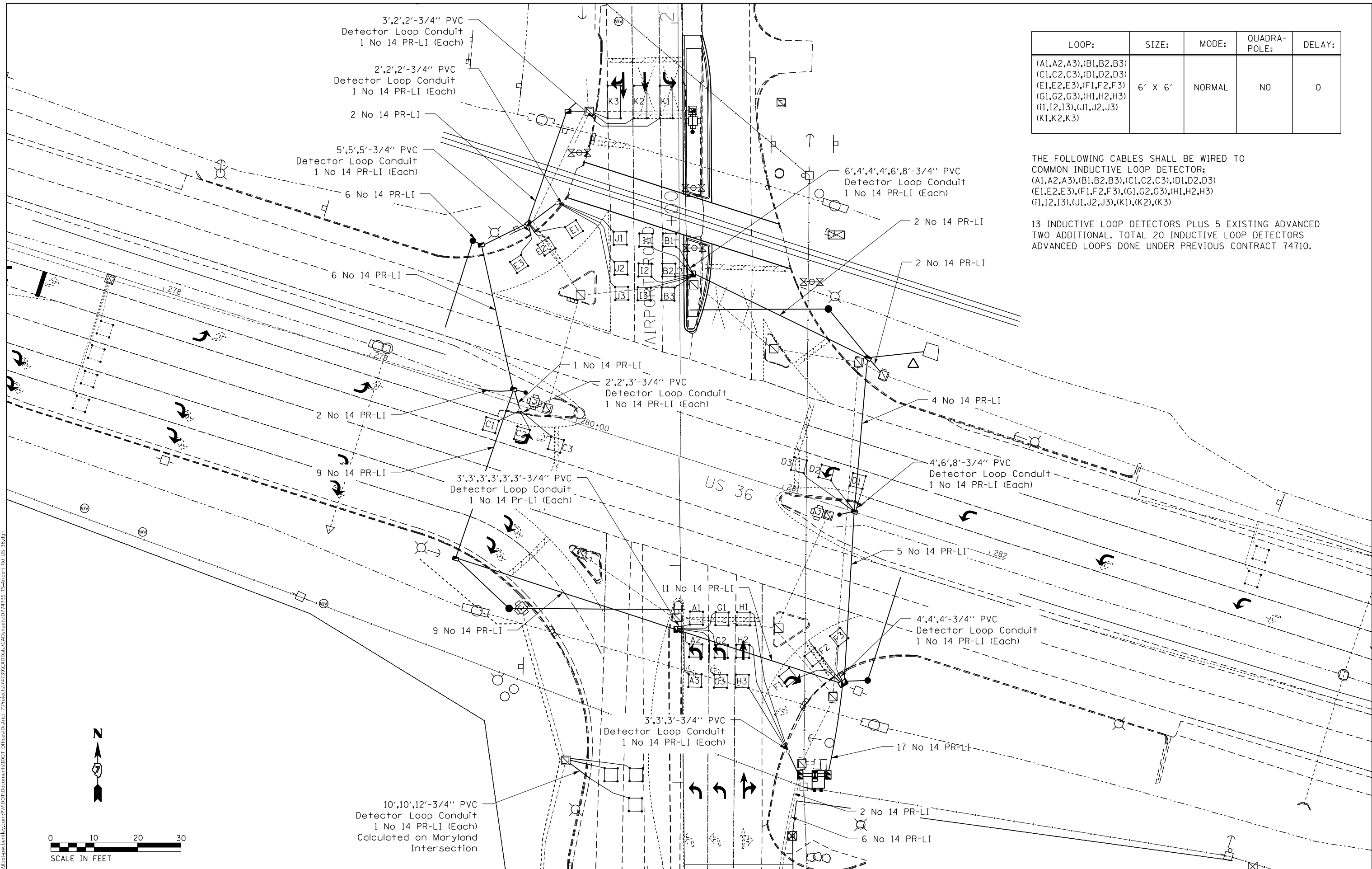
F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 81
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
(A1,A2,A3),(B1,B2,B3) (C1,C2,C3),(D1,D2,D3) (E1,E2,E3),(F1,F2,F3) (G1,G2,G3),(H1,H2,H3) (I1,I2,I3),(J1,J2,J3) (K1,K2,K3)	6' X 6'	NORMAL	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON INDUCTIVE LOOP DETECTOR:
(A1,A2,A3),(B1,B2,B3),(C1,C2,C3),(D1,D2,D3)
(E1,E2,E3),(F1,F2,F3),(G1,G2,G3),(H1,H2,H3)
(I1,I2,I3),(J1,J2,J3),(K1),(K2),(K3)

13 INDUCTIVE LOOP DETECTORS PLUS 5 EXISTING ADVANCED TWO ADDITIONAL. TOTAL 20 INDUCTIVE LOOP DETECTORS ADVANCED LOOPS DONE UNDER PREVIOUS CONTRACT 74710.



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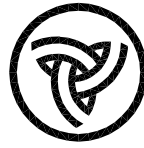
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US 36 & IL 121(AIRPORT RD)
DETECTOR LOOPS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	82
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE FAP 320 (IL 121) DESCRIPTION Intersection of US 36 and IL 121 LOGGED BY E. Sandschafer
SECTION 101RS-2 LOCATION Northeast Corner, SEC. 21, TWP. 16N, RNG. 3E, 3rd PM,
Latitude 39.821046 N, Longitude 88.877836 W
COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4 bpm

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O I S T T	ft	D E P T H	B L O W S	U C S Qu	M O I S T T
Traffic Signal 280+95, 85.6' LT					NA	ft									
2 (US 36) 281+35					None	ft									
67.0 ft LT					None	ft									
672.85					NT	ft									
670.85					Very stiff, moist, grey, CLAY LOAM TILL			8	3.1	11					
								10	B						
Hard, wet, grey poker-chipped, CLAY		5						5							
		8	4.5	13				10	1.8	12					
		7	P					12	B						
Moist, brown		6						5							
		5	4.5	22				10	6.4	10					
		6	P					13	B						
665.85					Benchmark: BM X262 Reset 1977 - NGS Brass Disk set in top of concrete monument flush with the ground in the Northeast Quadrant, 60 feet Southeast of flashing RR signal in the Northeast Quadrant of IL 121 and US 36. 34 feet South of RR centerline and 7 feet South of power pole for traffic signals. Elevation = 670.836 feet. End of Boring										
Soft, moist, brown, LOAM		4													
		3	0.5	15											
		4	B												
663.35															
Medium, moist, brown, CLAY LOAM		3													
		4	0.9	15											
		5	B												
Very stiff		5													
		8	3.3	15											
		8	B												
655.85															
Hard, moist, grey, CLAY LOAM TILL		4													
		10	5.0	13											
		13	B												
652.85															
		4													
		10													
		13													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer,
NT-Not Tested.

BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAP 320 (IL 121) DESCRIPTION Intersection of US 36 and IL 121 LOGGED BY E. Sandschafer
SECTION 101RS-2 LOCATION Southwest Corner, SEC. 20, TWP. 16N, RNG. 3E, 3rd PM,
Latitude 39.820856 N, Longitude 88.878613 W
COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4 bpm

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O I S T T	ft	D E P T H	B L O W S	U C S Qu	M O I S T T
Traffic Signal 279+96.8, 90.6' RT					NA	ft									
1 (US 36) 279+70					661.5	ft									
78.0 ft RT					653.2	ft									
673.45					NT	ft									
671.45					Loose, moist, grey, fine-grained, SAND	652.95		2	1.2	14					
								2	B						
Very stiff, moist, brown, CLAY		2													
		3	3.0	22											
		3	P												
Moist, brown		1													
		2	2.8	20											
		1	P												
665.95					Benchmark: BM X262 Reset 1977 - NGS Brass Disk set in top of concrete monument flush with the ground in the Northeast Quadrant, 60 feet Southeast of flashing RR signal in the Northeast Quadrant of IL 121 and US 36. 34 feet South of RR centerline and 7 feet South of power pole for traffic signals. Elevation = 670.836 feet. End of Boring										
Very soft, wet, brown, SANDY LOAM		1	0.2	17											
		1	B												
663.45															
Very stiff, moist, brown, SANDY CLAY LOAM		4	2.8	13											
		7	S												
660.95															
Very stiff, moist, grey, CLAY LOAM TILL		4	2.3	15											
		6	B												
Very stiff		1													
		4	2.7	13											
		5	B												
653.45															
		1													
		2	1.7	14											
		3	B												
Stiff		2													
		2													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer,
NT-Not Tested.

BBS, form 137 (Rev. 8-99)

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SOIL BORING 058-0000 CONTRACT #74739 IL 121 MT ZION TRAFFIC SIGNAL 2022.GPJ IL_DOT.GDT 8/5/22

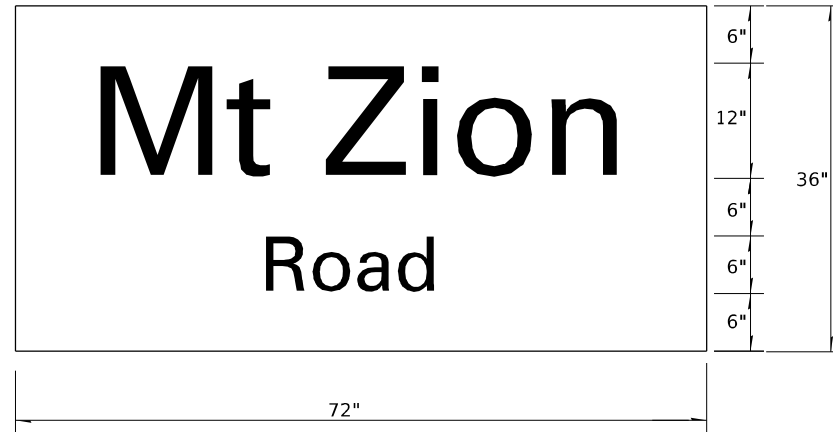
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PLOT DATE = 12/22/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF US 36 & IL 121(AIRPORT RD)			
SOIL BORINGS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	83
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. 12" AND 6" UPPER/LOWER CASE LETTERS, T2000 HWY D FONT

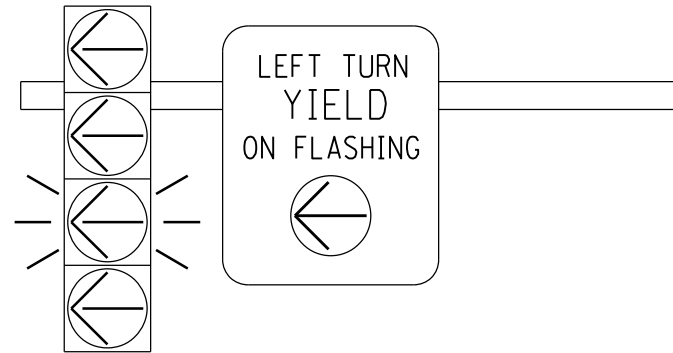


TO BE INSTALLED ON EASTBOUND MAST ARM (STA 488+87.2, 72.3' RT)
 TO BE INSTALLED ON WESTBOUND EXISTING MAST ARM (STA 489+55.8, 81.5' LT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. 12" AND 6" UPPER/LOWER CASE LETTERS, T2000 HWY D FONT



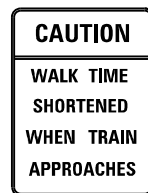
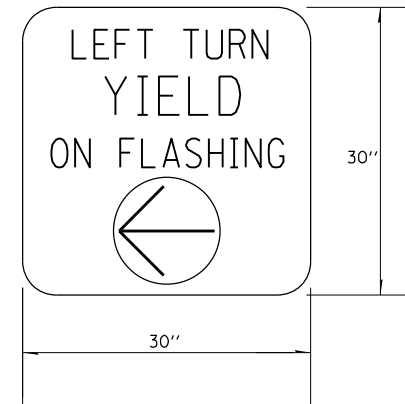
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 489+83.4, 41.1' RT)
 TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 488+41.6, 49' LT)



FLASHING YELLOW ARROW
SIGN PANEL DETAILS

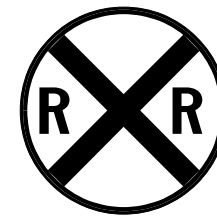
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 489+83.4, 41.1' RT)
 TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 488+41.6, 49' LT)

1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-I109a SIGN.



18"x24"

Black on Yellow
 ILLINOIS SUPPLEMENT TO THE
 MUTCD SIGN DESIGNATION W10-I101



ILLINOIS SUPPLEMENT TO THE
 MUTCD SIGN DESIGNATION W10-1 36" DIA

- (1) TO BE INSTALLED ON PED & TRAFFIC SIGNAL HEAD POST (STA 489+63.8 66.5' LT)
- (1) TO BE INSTALLED ON PED & TRAFFIC SIGNAL HEAD POST (STA 488+81.8 72.8' LT)
- (1) TO BE INSTALLED ON PED SIGNAL HEAD POST (STA 488+64.3 54.6' LT)
- (1) TO BE INSTALLED ON PED SIGNAL HEAD POST (STA 488+63.4 38.8' RT)

- (1) TO BE INSTALLED ON METAL POST (STA 490+15 45.5' RT)

SIGN PANEL DETAILS

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	DRAWN -	REVISED -
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PLOT DATE = 1/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION OF MARYLAND ST & IL 121			
SIGN PANEL DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

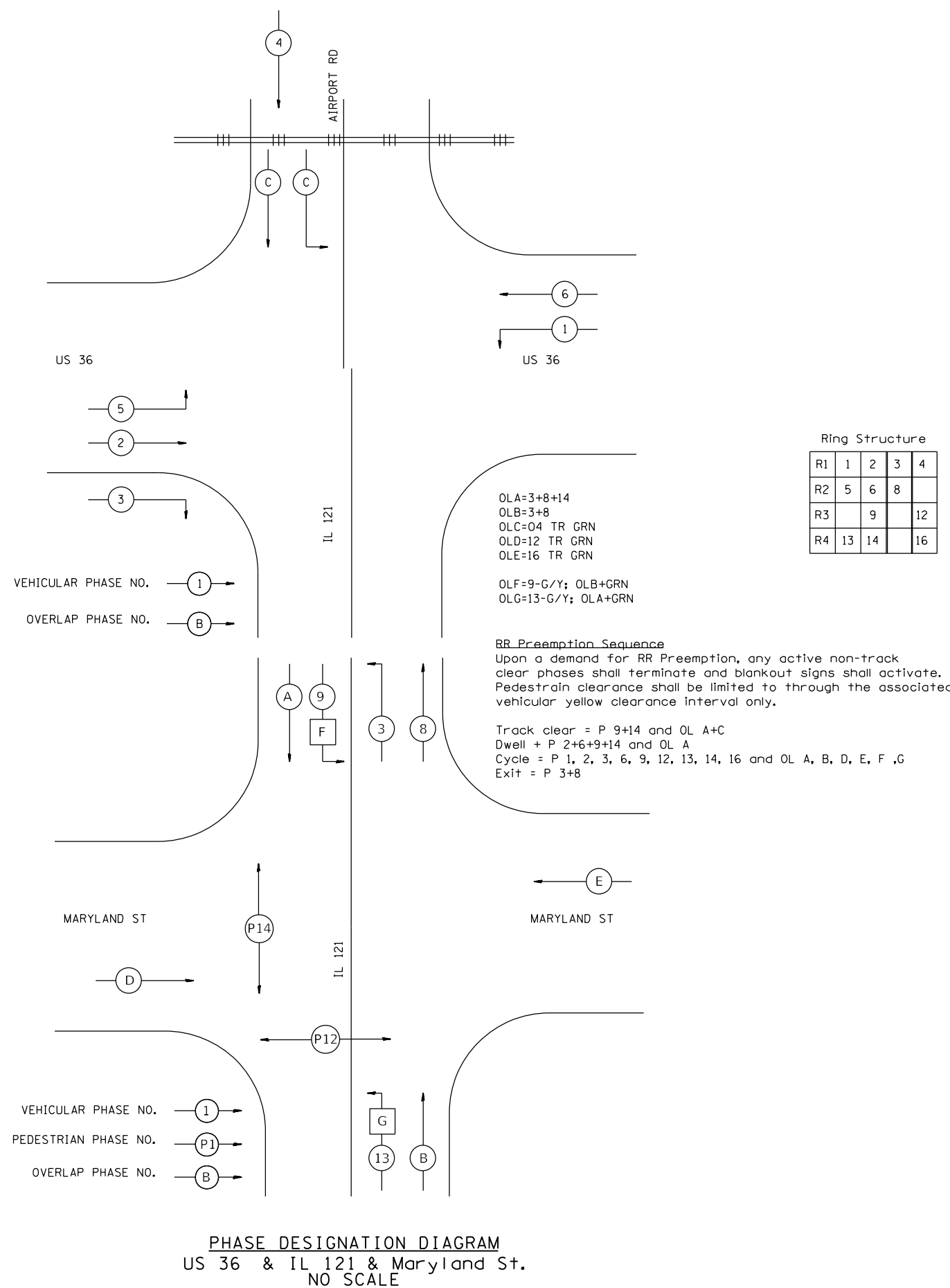
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	84
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

LEGEND

	Existing	Proposed
SIGNAL POST		
MAST ARM		
SIGNAL HEAD W/ BACKPLATE		
CONTROLLER		
HANDHOLE		
GULFBOX JUNCTION		
DOUBLE HANDHOLE		
DETECTOR LOOP		
TRAFFIC SIGNAL HEAD		
PEDESTRIAN COUNTDOWN HEADS		
POLE MOUNTED PEDESTRIAN PUSH BUTTONS		

NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS

LOOP SIZE IN (FT)						NUMBER OF TURNS
6 X 6		6 X 30		6 X 40		
DISTANCE FROM CONTROLLER (FT)						NUMBER OF TURNS
		0	491	0	627	
		492	982	628	1255	3 TURNS
0	545	983	1636	1256	2091	4 TURNS
546	818	1637	2455	2092	3136	5 TURNS
819	1145	2456	3436			6 TURNS
1146	1527					7 TURNS
1528	1964					8 TURNS
1965	2455					9 TURNS
2456	3000					10 TURNS



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PLOT DATE = 12/22/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF MARYLAND ST & IL 121
DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	85
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS-IL 121 & Maryland St

CODE	ITEM	UNIT	QUANTITY
72000100	SIGN PANEL-TYPE 1	SQFT	32
72000200	SIGN PANEL-TYPE 2	SQFT	78
81028310	UNDERGROUND CONDUIT, PVC, 3/4" DIA	FOOT	128
81028340	UNDERGROUND CONDUIT, PVC, 1-1/2" DIA	FOOT	21
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	116
81500100	GULFBOX JUNCTION	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 3C	FOOT	1485
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 5C	FOOT	4044
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 7C	FOOT	1032
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN NO 14 1 PAIR	FOOT	194
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1C	FOOT	134
87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT	EACH	1
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	EACH	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	EACH	1
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT	EACH	2
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT	EACH	1
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT	EACH	1
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28

CODE	ITEM	UNIT	QUANTITY
87900200	DRILL EXISTING HANDHOLE	EACH	6
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
88500100	INDUCTIVE LOOP DETECTOR	EACH	12
88600100	DETECTOR LOOP, TYPE I	FOOT	1064
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502300	REMOVE ELECTRICAL CABLE FROM CONDUIT	FOOT	2349
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
X8812815	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED SPECIAL	EACH	4

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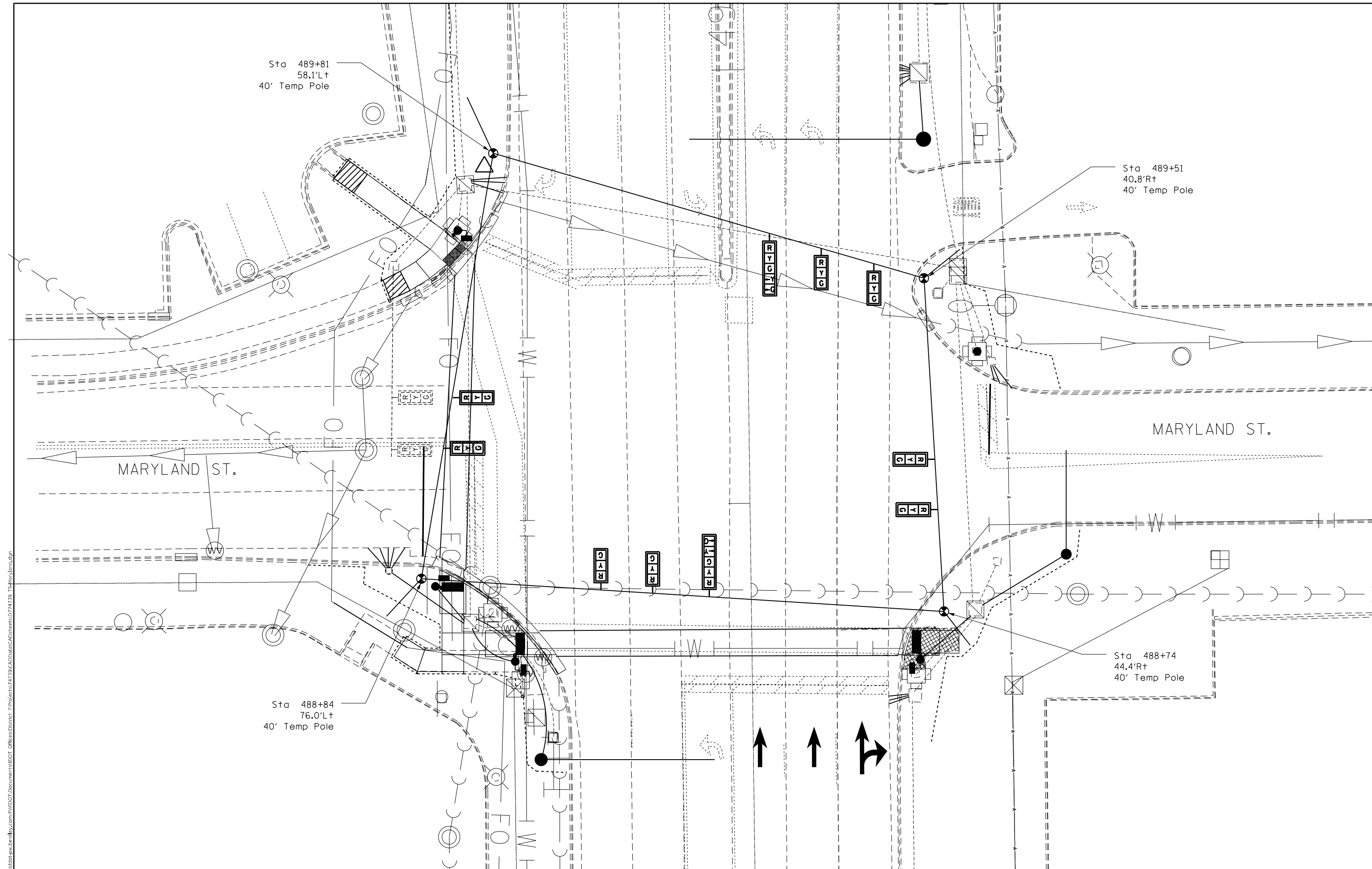
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	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF MARYLAND ST & IL 121
BILL OF MATERIALS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	86
			CONTRACT NO. 74739	
ILLINOIS FED. AID PROJECT				



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	DRAWN -	REVISED -
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PLOT DATE = 1/31/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF MARYLAND ST & IL 121
TEMPORARY SIGNALS

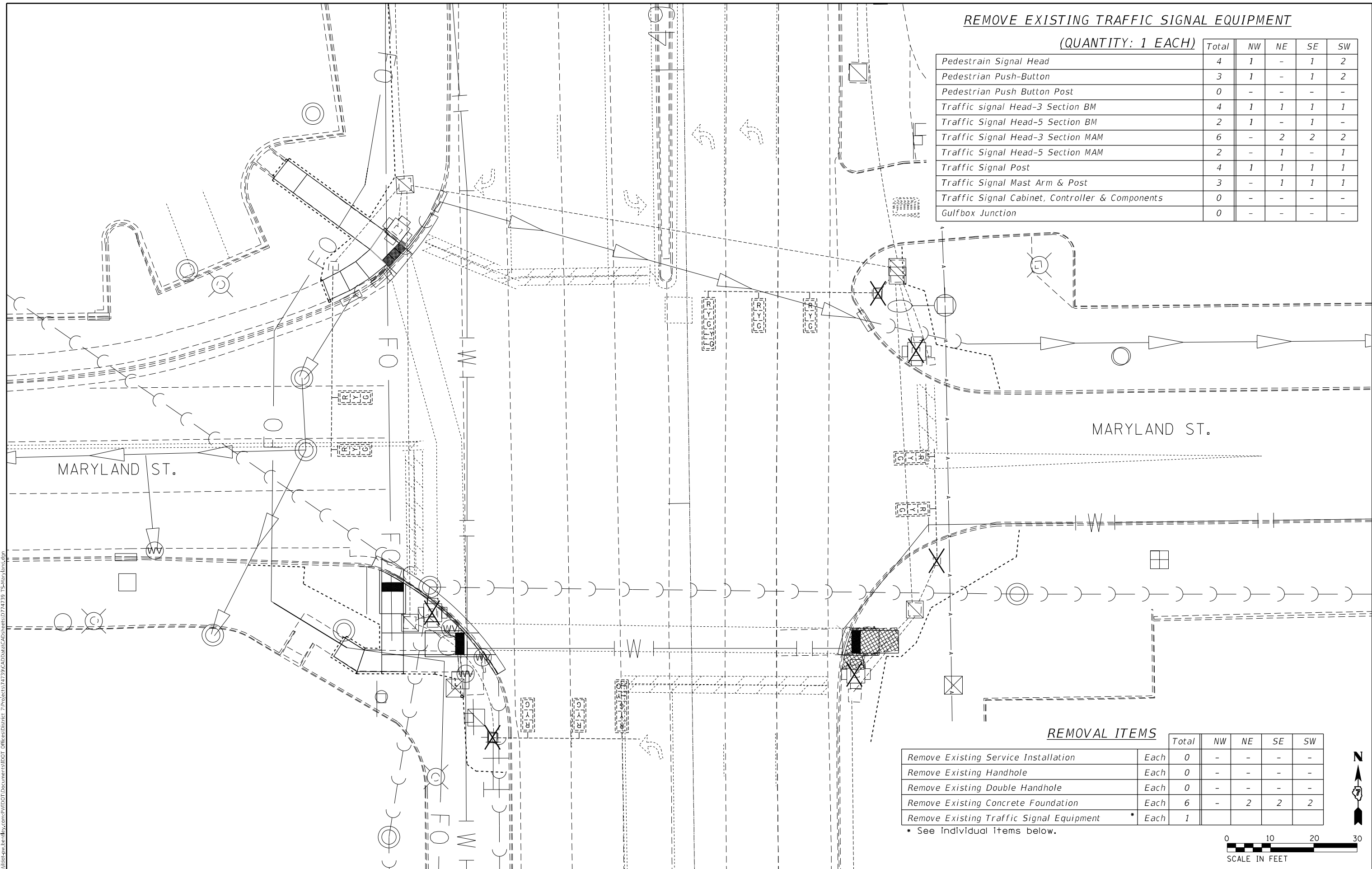
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	87
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

(QUANTITY: 1 EACH)

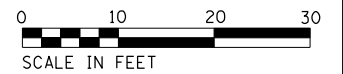
	Total	NW	NE	SE	SW
Pedestrian Signal Head	4	1	-	1	2
Pedestrian Push-Button	3	1	-	1	2
Pedestrian Push Button Post	0	-	-	-	-
Traffic signal Head-3 Section BM	4	1	1	1	1
Traffic Signal Head-5 Section BM	2	1	-	1	-
Traffic Signal Head-3 Section MAM	6	-	2	2	2
Traffic Signal Head-5 Section MAM	2	-	1	-	1
Traffic Signal Post	4	1	1	1	1
Traffic Signal Mast Arm & Post	3	-	1	1	1
Traffic Signal Cabinet, Controller & Components	0	-	-	-	-
Gulfbbox Junction	0	-	-	-	-



REMOVAL ITEMS

	Total	NW	NE	SE	SW
Remove Existing Service Installation	Each 0	-	-	-	-
Remove Existing Handhole	Each 0	-	-	-	-
Remove Existing Double Handhole	Each 0	-	-	-	-
Remove Existing Concrete Foundation	Each 6	-	2	2	2
Remove Existing Traffic Signal Equipment	* Each 1				

* See individual items below.



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PLOT DATE = 12/22/2022	DATE -	REVISED -

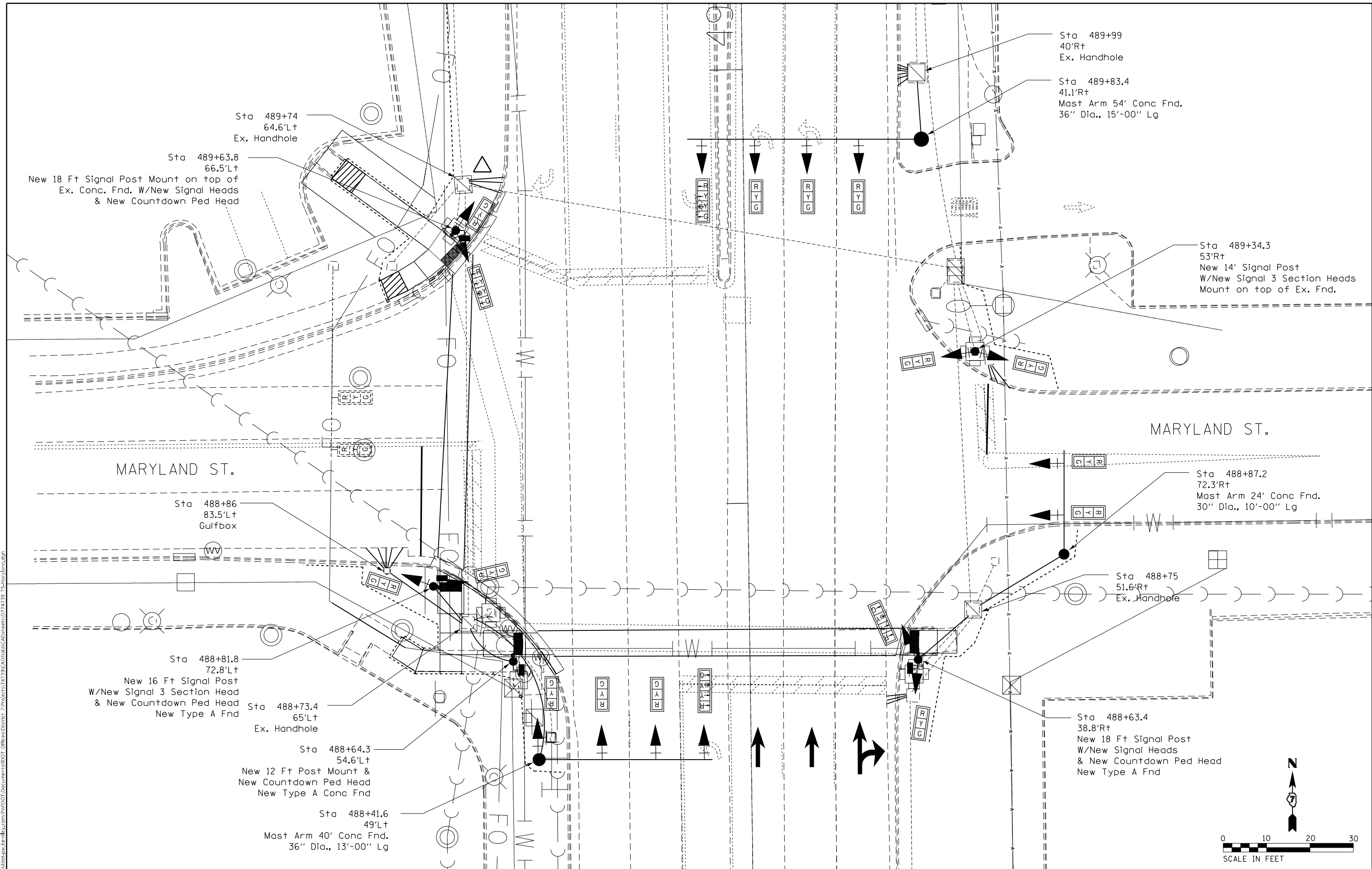
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF MARYLAND ST & IL 121
REMOVAL ITEMS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	88
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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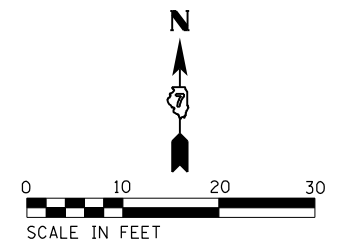
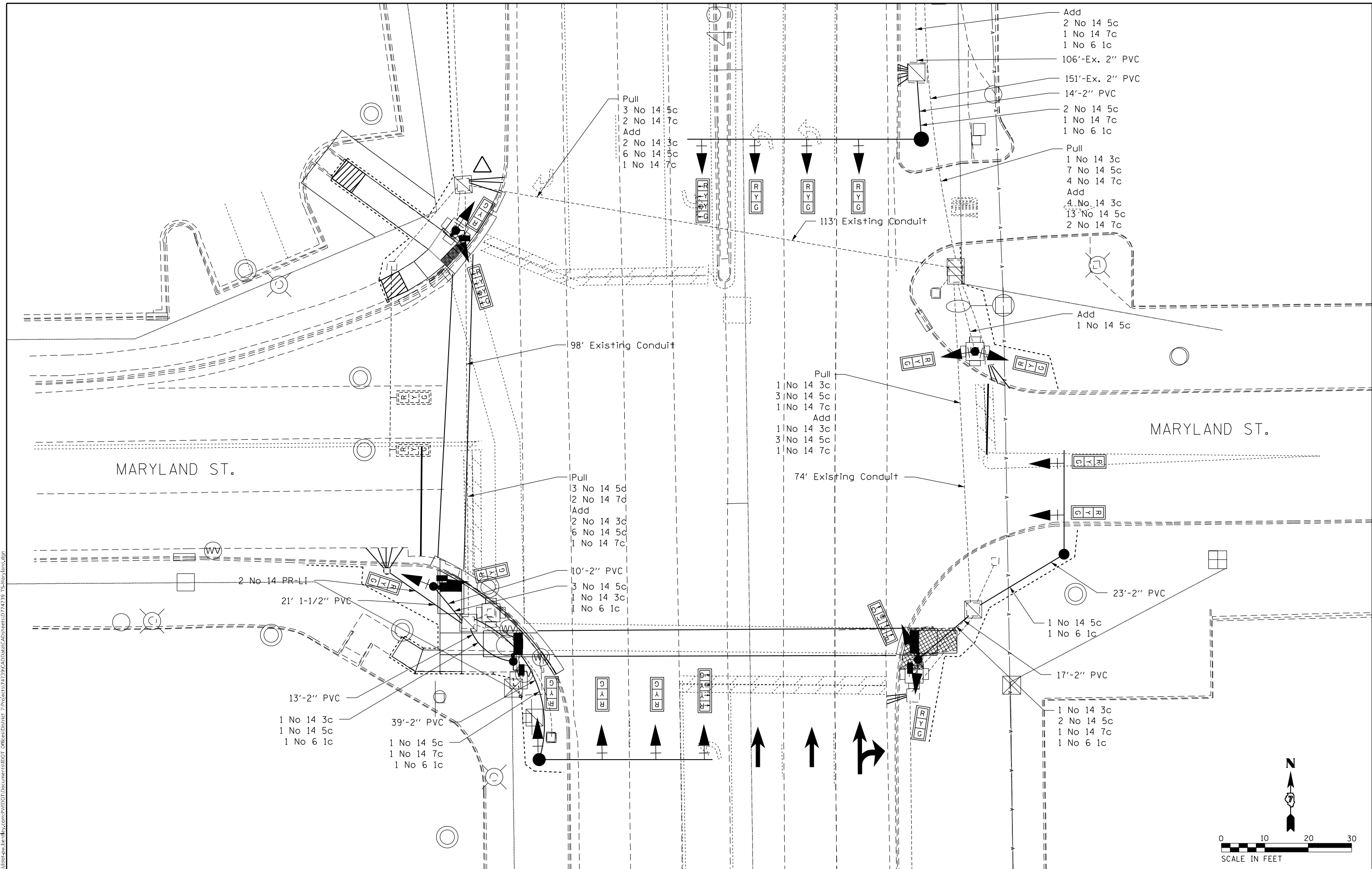
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PLOT DATE = 1/31/2023	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF MARYLAND ST & IL 121	
SIGNAL LAYOUT	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	89
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 1/31/2023	DATE -	REVISED -

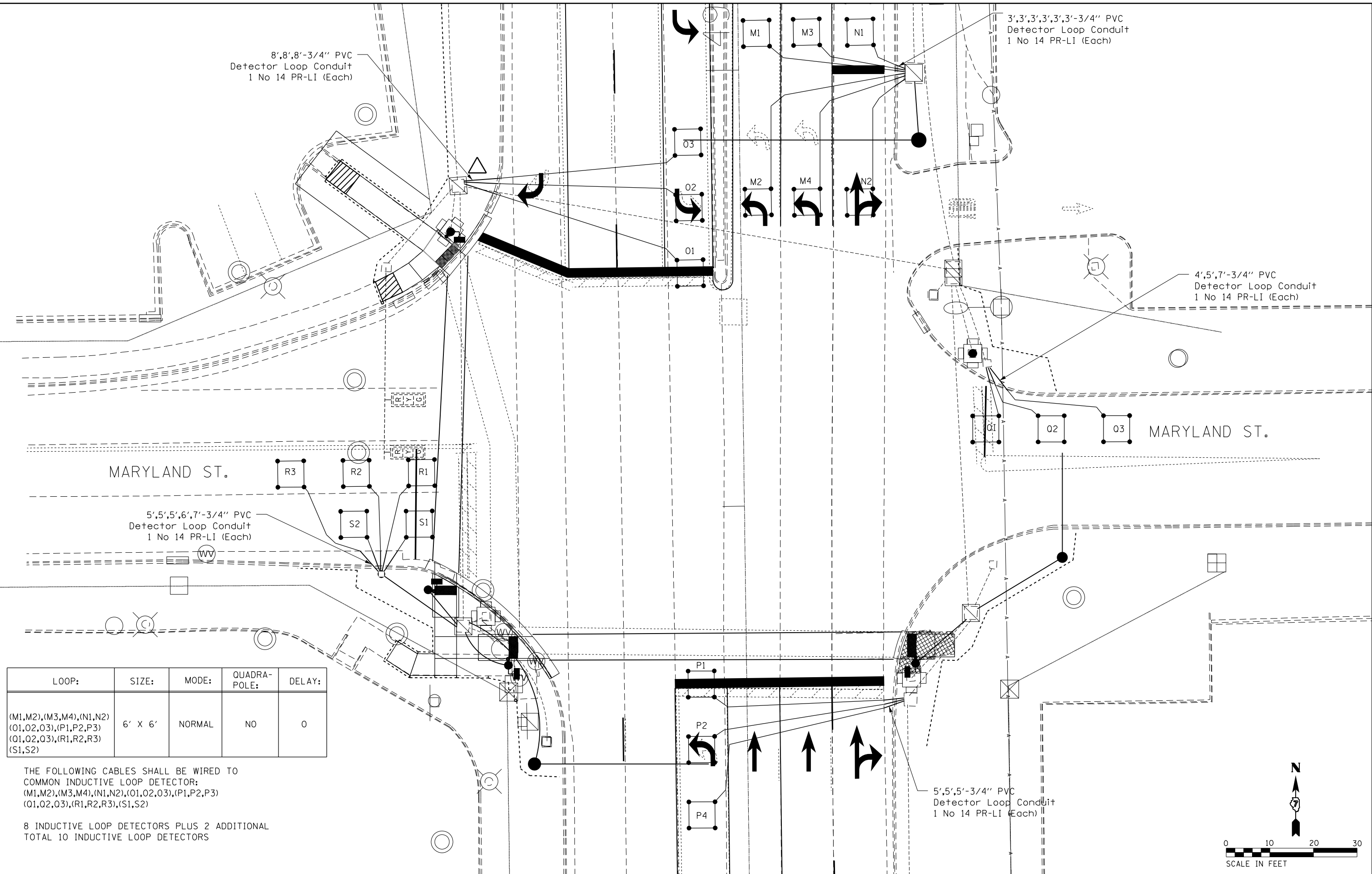
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF MARYLAND ST & IL 121
CABLE LAYOUT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	90
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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 SHEET: 148



LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
(M1,M2),(M3,M4),(N1,N2) (O1,O2,O3),(P1,P2,P3) (O1,O2,O3),(R1,R2,R3) (S1,S2)	6' X 6'	NORMAL	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO
 COMMON INDUCTIVE LOOP DETECTOR:
 (M1,M2),(M3,M4),(N1,N2),(O1,O2,O3),(P1,P2,P3)
 (O1,O2,O3),(R1,R2,R3),(S1,S2)

8 INDUCTIVE LOOP DETECTORS PLUS 2 ADDITIONAL
 TOTAL 10 INDUCTIVE LOOP DETECTORS

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 1/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF MARYLAND ST & IL 121
 DETECTION LOOPS**

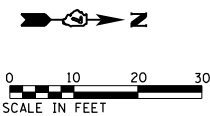
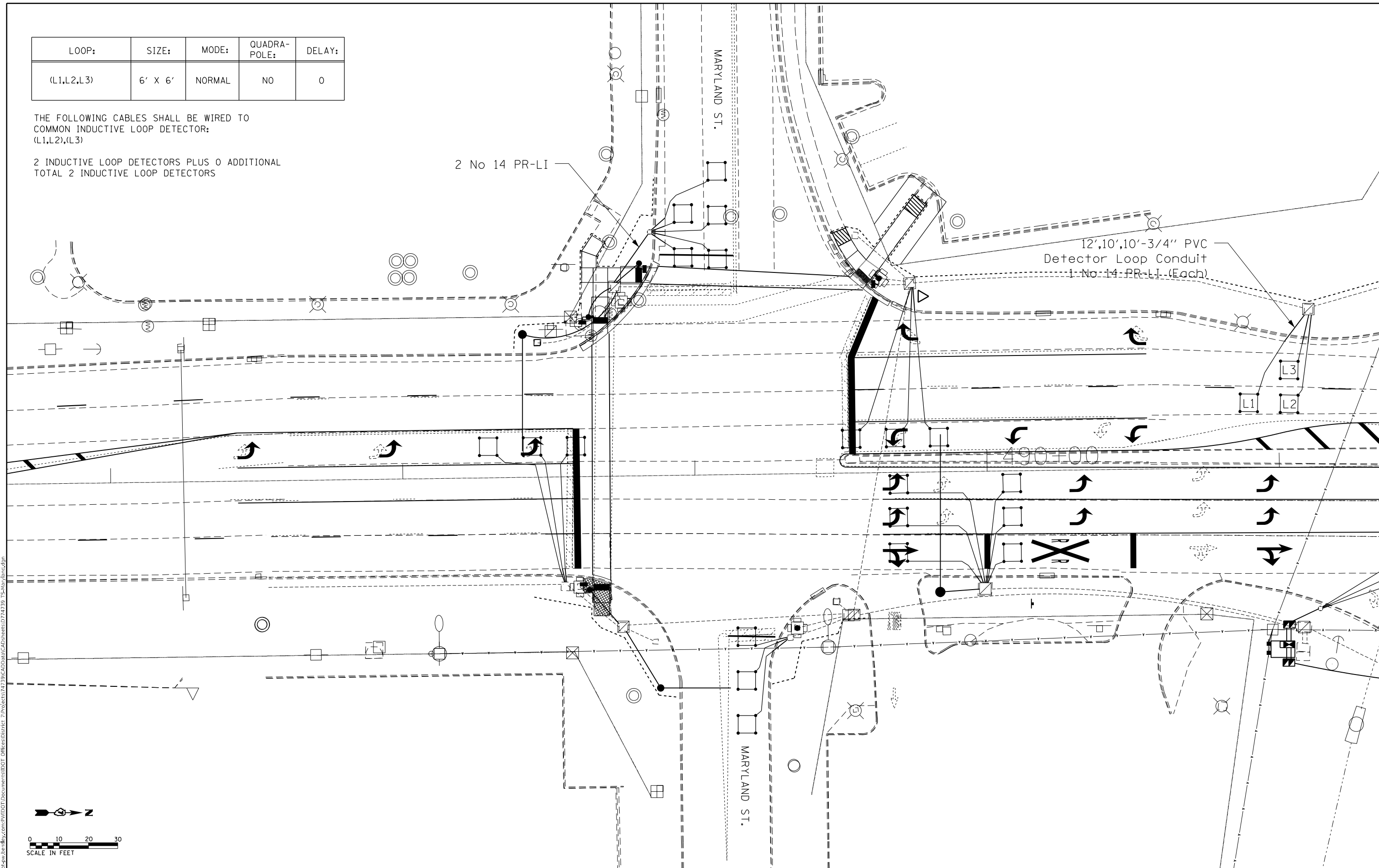
F.A.P. RTE. 320	SECTION 101RS-2	COUNTY MACON	TOTAL SHEETS 148	SHEET NO. 91
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

LOOP:	SIZE:	MODE:	QUADRA- POLE:	DELAY:
(L1,L2,L3)	6' X 6'	NORMAL	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO
COMMON INDUCTIVE LOOP DETECTOR:
(L1,L2),(L3)

2 INDUCTIVE LOOP DETECTORS PLUS 0 ADDITIONAL
TOTAL 2 INDUCTIVE LOOP DETECTORS



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PLOT SCALE = 30,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/22/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF MARYLAND ST & IL 121
ADVANCED DETECTION LOOPS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	92
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE FAP 320 (IL 121) DESCRIPTION Intersection of Maryland Street and IL 121 LOGGED BY E. Sandschafer
SECTION 101RS-2 LOCATION Northeast Corner, SEC. 21, TWP. 16N, RNG. 3E, 3rd PM,
Latitude 39.820246 N, Longitude 88.878116 W
COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4 bpm

STRUCT. NO.	Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	ft
Traffic Signal	489+83.4, 41.1' RT					NA	NA		None	None	NT	
2 (Maryland Street)	489+90											
Ground Surface Elev. 670.61												
Topsoil, Organics												
668.61												
Stiff, moist, brown, CLAY												
666.11												
Very soft, moist, brown, SILTY LOAM												
662.61												
Very stiff, moist, brown, CLAY LOAM												
661.04												
Hard												
654.61												
Benchmark: BM CB-1 - Chiseled Square on Northeast Corner of Concrete Foundation of Traffic Signal Mast Arm in Southwest Quadrant of IL 121 (Mt Zion Road) and Maryland Street. Elevation = 671.193 feet. End of Boring												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NT-Not Tested.

BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAP 320 (IL 121) DESCRIPTION Intersection of Maryland Street and IL 121 LOGGED BY E. Sandschafer
SECTION 101RS-2 LOCATION Southwest Corner, SEC. 28, TWP. 16N, RNG. 3E, 3rd PM,
Latitude 39.819868 N, Longitude 88.878397 W
COUNTY Macon DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4 bpm

STRUCT. NO.	Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	ft
Traffic Signal	488+41.6, 49' LT					NA	NA		659.0	None	NT	
1 (Maryland Street)	488+41											
Ground Surface Elev. 671.04												
Topsoil, Organics												
669.04												
Stiff, moist, dark grey, CLAY												
666.54												
Medium, moist, brown, CLAY LOAM												
664.04												
Soft, moist, brown, SILTY LOAM												
661.04												
Stiff, moist, brown, CLAY LOAM												
661.04												
Grey, fill												
650.04												

Benchmark: BM CB-1 - Chiseled Square on Northeast Corner of Concrete Foundation of Traffic Signal Mast Arm in Southwest Quadrant of IL 121 (Mt Zion Road) and Maryland Street. Elevation = 671.193 feet. End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NT-Not Tested.

BBS, form 137 (Rev. 8-99)

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SOIL BORING 058-0000 CONTRACT #74739 IL 121 MT ZION TRAFFIC SIGNAL 2022.GPJ IL_DOT.GDT 8/5/22

SOIL BORING 058-0000 CONTRACT #74739 IL 121 MT ZION TRAFFIC SIGNAL 2022.GPJ IL_DOT.GDT 8/5/22

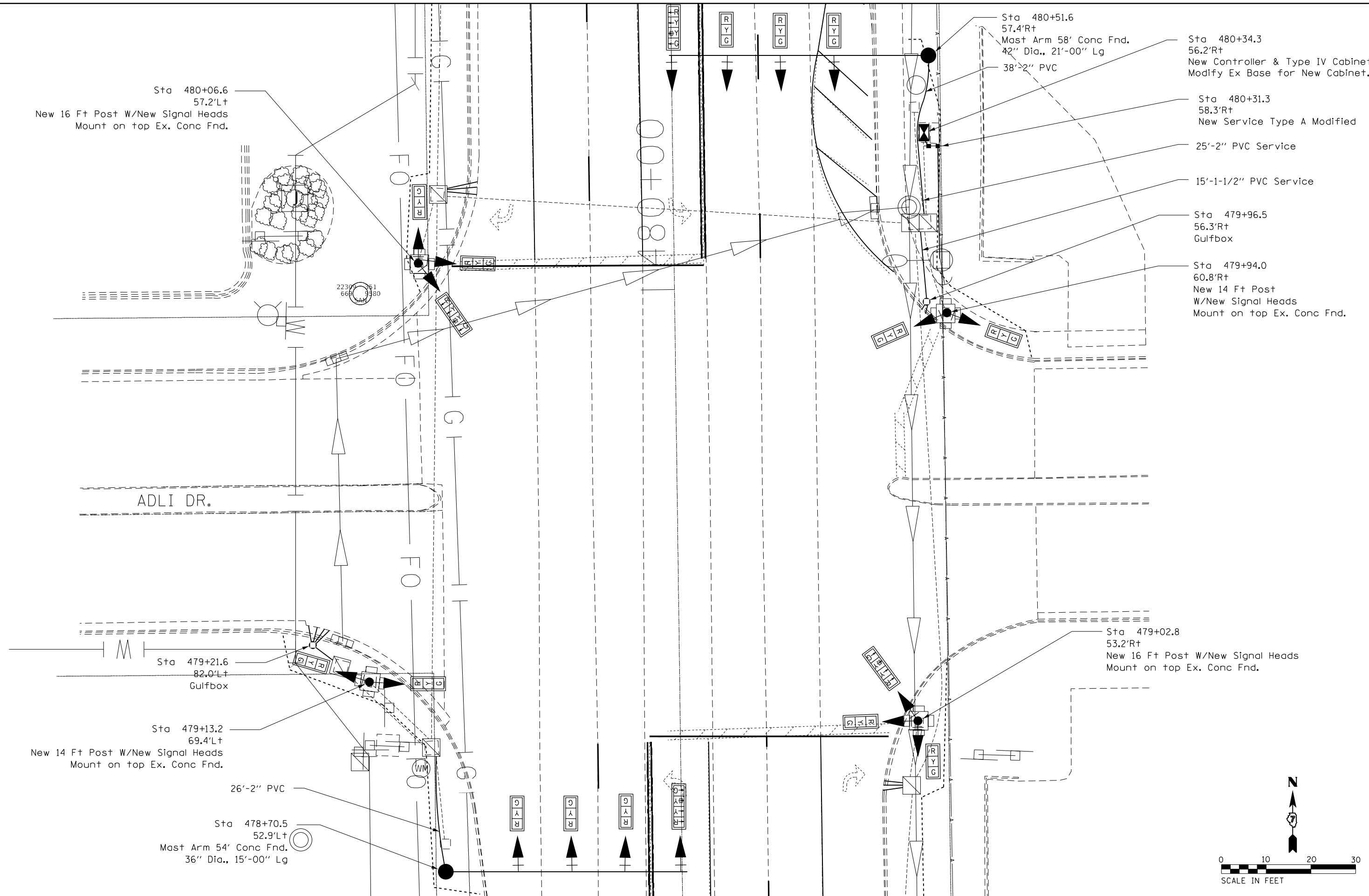
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PLOT DATE = 12/22/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF MARYLAND ST & IL 121	
SOIL BORINGS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	93
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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Sta 480+06.6
57.2'Lt
New 16 Ft Post W/New Signal Heads
Mount on top Ex. Conc Fnd.

Sta 480+51.6
57.4'Rt
Mast Arm 58' Conc Fnd.
42" Dia., 21'-00" Lg
38'-2" PVC

Sta 480+34.3
56.2'Rt
New Controller & Type IV Cabinet.
Modify Ex Base for New Cabinet.

Sta 480+31.3
58.3'Rt
New Service Type A Modified

25'-2" PVC Service

15'-1-1/2" PVC Service

Sta 479+96.5
56.3'Rt
Gulfbox

Sta 479+94.0
60.8'Rt
New 14 Ft Post
W/New Signal Heads
Mount on top Ex. Conc Fnd.

ADLI DR.

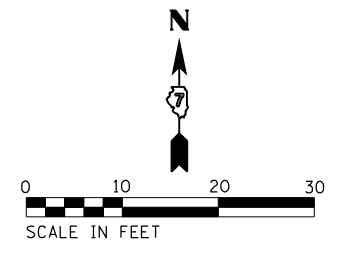
Sta 479+21.6
82.0'Lt
Gulfbox

Sta 479+13.2
69.4'Lt
New 14 Ft Post W/New Signal Heads
Mount on top Ex. Conc Fnd.

26'-2" PVC

Sta 478+70.5
52.9'Lt
Mast Arm 54' Conc Fnd.
36" Dia., 15'-00" Lg

Sta 479+02.8
53.2'Rt
New 16 Ft Post W/New Signal Heads
Mount on top Ex. Conc Fnd.



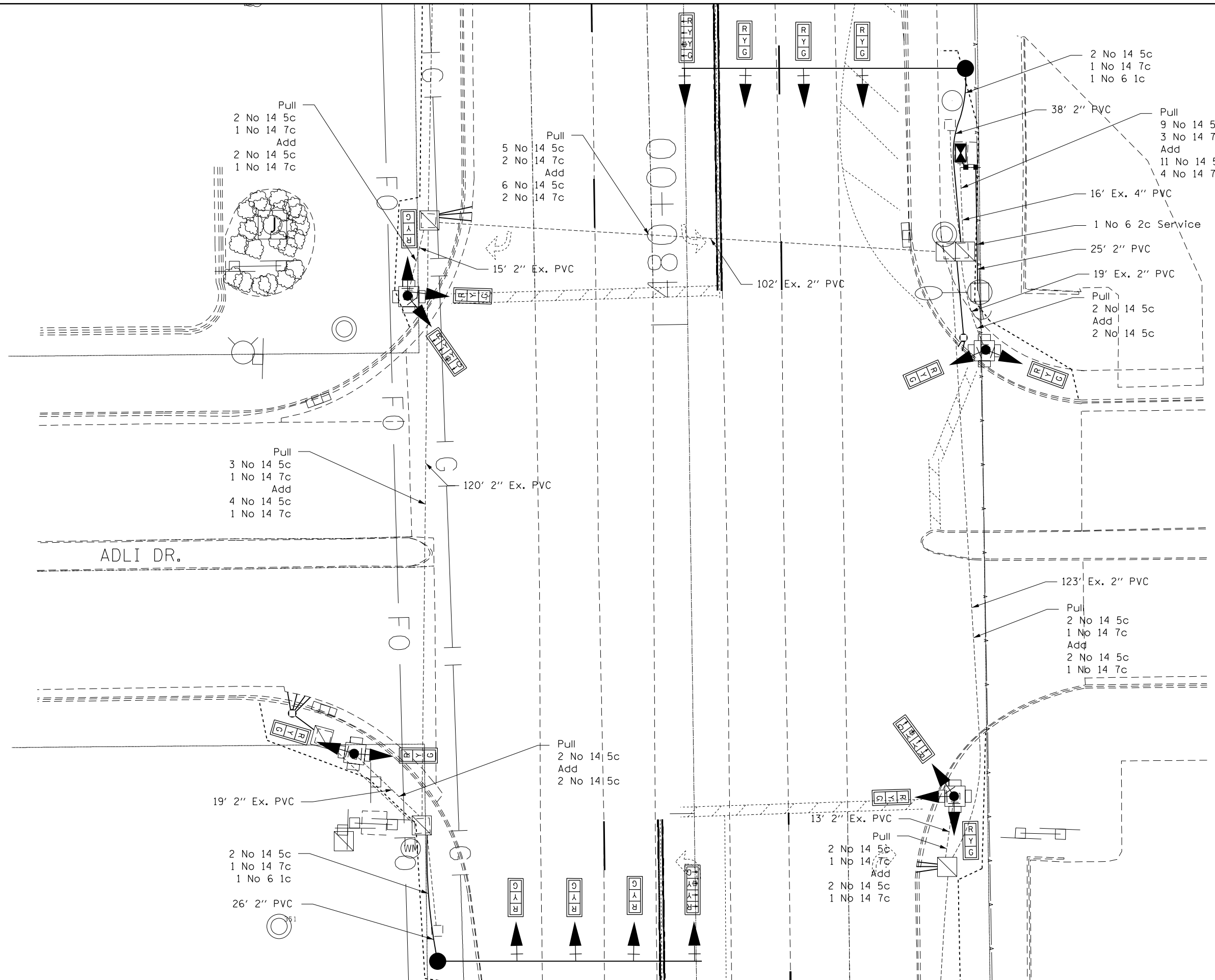
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PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF ALDI DR & IL 121
SIGNAL LAYOUT**

SCALE: SHEET OF SHEETS STA. TO STA.

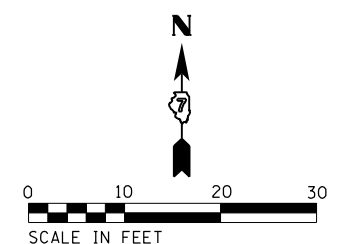
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320	101RS-2	MACON	148	97
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



ADLI DR.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF ALDI DR & IL 121
CABLE LAYOUT**



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	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/22/2022	DATE -	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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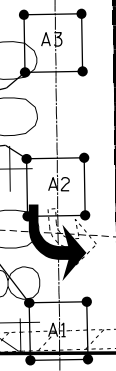
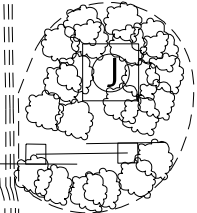
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320	101RS-2	MACON	148	98
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				

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Ex. 1 No 14 PR-LI

7',7',7'-3/4" PVC
Detector Loop Conduit

2 No 14 PR-LI (Exist)



LOOP:	SIZE:	MODE:	QUADRA- POLE:	DELAY:
(A1,A2,A3),(B1) (C1,C2,C3),(D1,D2,D3) (E1),(F1)	6' X 6'	NORMAL	NO	0

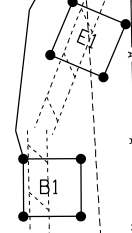
THE FOLLOWING CABLES SHALL BE WIRED TO
COMMON INDUCTIVE LOOP DETECTOR:
(A1,A2,A3),(B1),(C1,C2,C3),(D1,D2,D3)
(E1),(F1)

6 INDUCTIVE LOOP DETECTORS PLUS 2
ADDITIONAL TOTAL 8 INDUCTIVE LOOP
DETECTORS

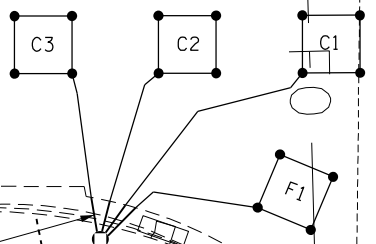
Ex. 2 No 14 PR-LI

1 No. 14 PR-LI (EACH)

2',3',5'-3/4" PVC
Detector Loop Conduit



ADLI DR.



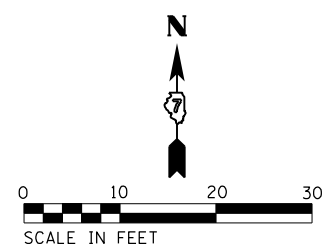
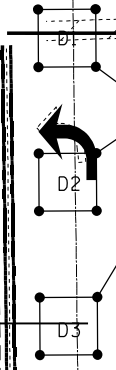
4',4',4',4'-3/4" PVC
Detector Loop Conduit

2 No 14 PR-LI

Ex. 2 No 14 PR-LI

5',5',5'-3/4" PVC
Detector Loop Conduit

No 14 PR-LI (Exist)



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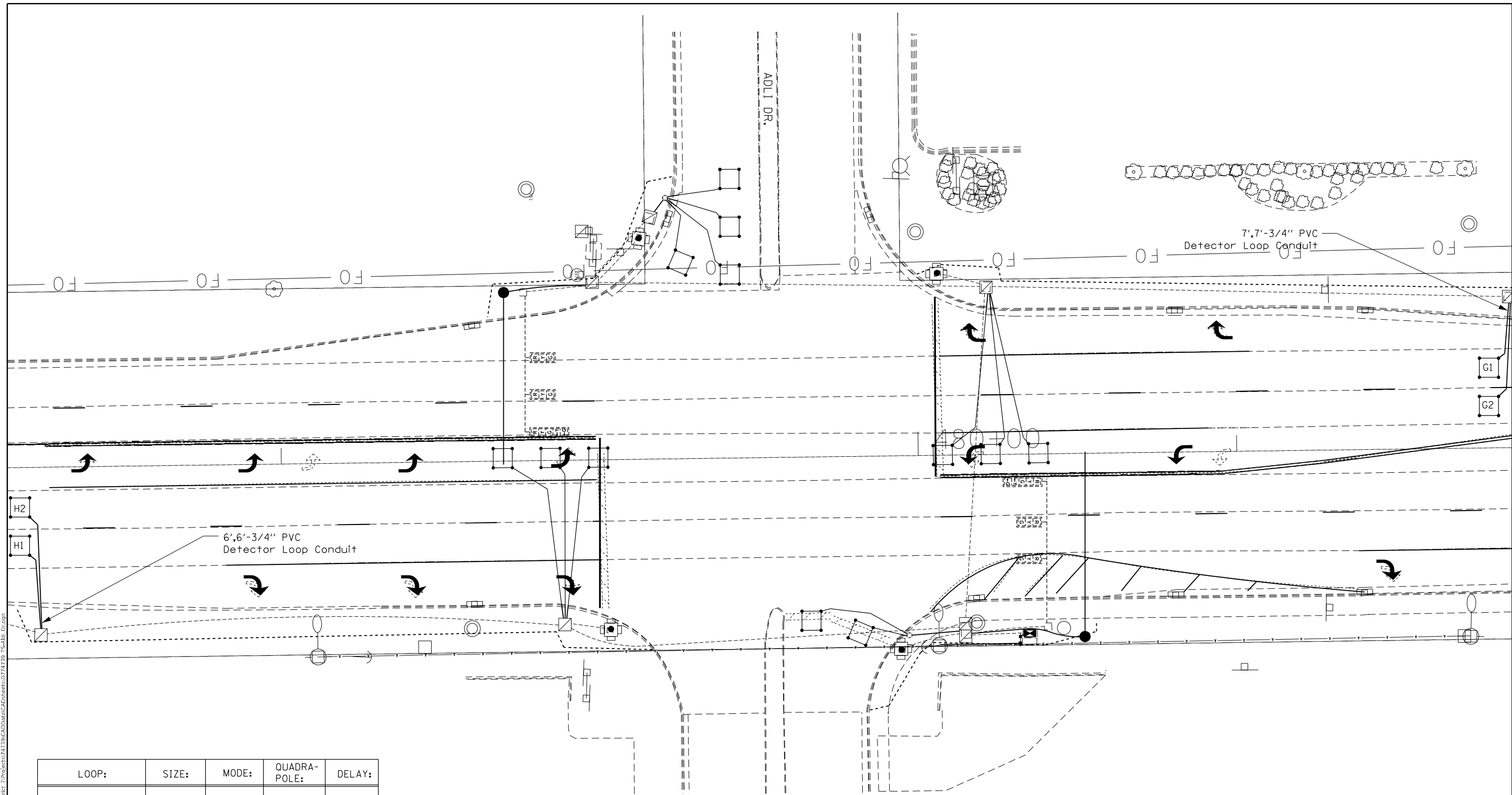
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PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/22/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF ALDI DR & IL 121
DETECTOR LOOPS**

SCALE: SHEET OF SHEETS STA. TO STA.

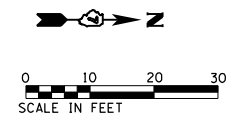
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	99
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				



LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
(G1,G2),(H1,H2)	6' X 6'	EXTENDED	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON INDUCTIVE LOOP DETECTOR:
(G1,G2),(H1,H2)

2 INDUCTIVE LOOP DETECTORS PLUS 0 ADDITIONAL
TOTAL 2 INDUCTIVE LOOP DETECTORS



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PLOT SCALE = 30,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/22/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF ALDI DR & IL 121
ADVANCED DETECTOR LOOP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	101RS-2	MACON	148	100
CONTRACT NO. 74739				
ILLINOIS FED. AID PROJECT				