

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Traffic Signal 2025-1	Jackson	12	1
		ILLINOIS	CONTRACT NO. 78B05	

D-99-011-25



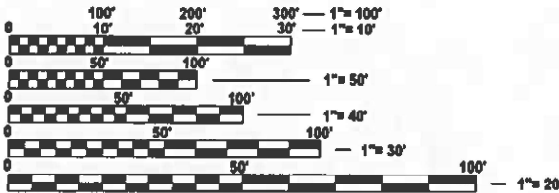
LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 4-5

TRAFFIC DATA
ADT
IL 149 9,150
IL 13 19,000

TOWNSHIPS
MURPHYSBORO
CARBONDALE

POSTED SPEED : 25/30 MPH



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.

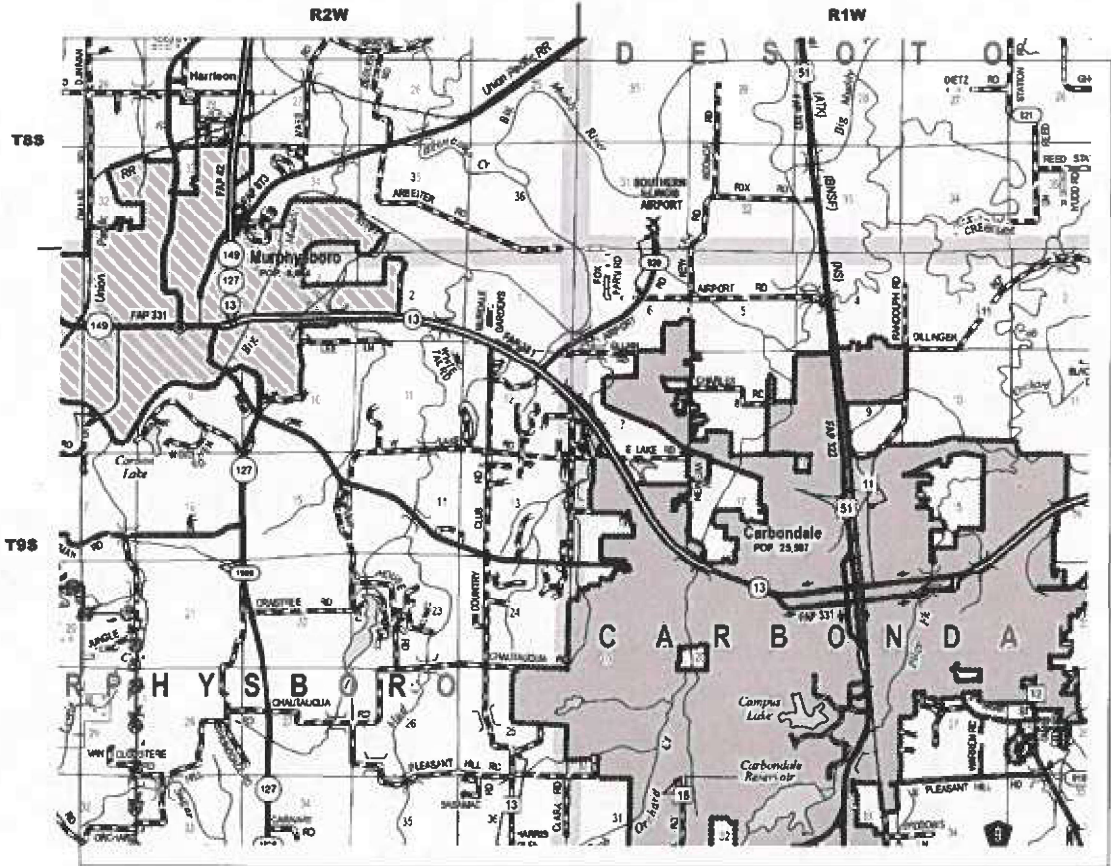
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER SEAN GREENLEE
PROJECT MANAGER SEAN GREENLEE

CONTRACT NO. 78B05

PROPOSED
HIGHWAY PLANS

FAP 331 ROUTE (IL 149/IL 13)
SECTION D9 Traffic Signal 2025-1
PROJECT
SIGNAL GROUNDING
Jackson COUNTY
C-99-038-25



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 2 2025
Lora S. Rensing sp
REGIONAL ENGINEER

May 9 2025
Sean Greenlee
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2025
Sean Greenlee
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

MODEL: 02-Signature [Sheet]
FILE NAME: c:\pwworkspace\greenlee\mid1072335\0978B05-ShrA-Cover-Sig.dgn

USER NAME	= sean.greenlee	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 4/1/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Traffic Signal 2025-1	Jackson	12	2
CONTRACT NO. 78B05				
ILLINOIS FED. AID PROJECT				

Prepared By: Susan Poe
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson sr
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. G. G.
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Burwell
DISTRICT CONSTRUCTION ENGINEER

Examined By: Ann Hays
DISTRICT MATERIALS ENGINEER

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS
4	SUMMARY OF QUANTITIES
5	SCHEDULE
6-11	INTERSECTION PLAN DETAILS
12	DETAILS: HANDHOLE AND MAST ARM GROUNDING

HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006 DECIMAL OF AN INCH AND OF A FOOT
701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
701006-05 OFF-ROADOPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15 FT TO 24 IN FROM PAVEMENT EDG
701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN15 FT AWAY
701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE ME
701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10 TRAFFIC CONTROL DEVICES

GENERAL NOTES

NONE

COMMITMENTS

NONE

REV - MS

MODEL: Index of Sheets [Sheet]
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	USER NAME = sean.greenlee	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, HIGHWAY STANDARDS, COMMITMENTS	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR	D9 Traffic Signal 2025-1	Jackson	12	3
		CHECKED -	REVISED -			CONTRACT NO. 78B05				
	PLOT DATE = 4/1/2025	DATE -	REVISED -			SCALE:	SHEET 3 OF 12 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

COUNTY:	JACKSON CO.
ROUTE:	VARIOUS
FUNDING:	100% STATE
LOCATION:	URBAN

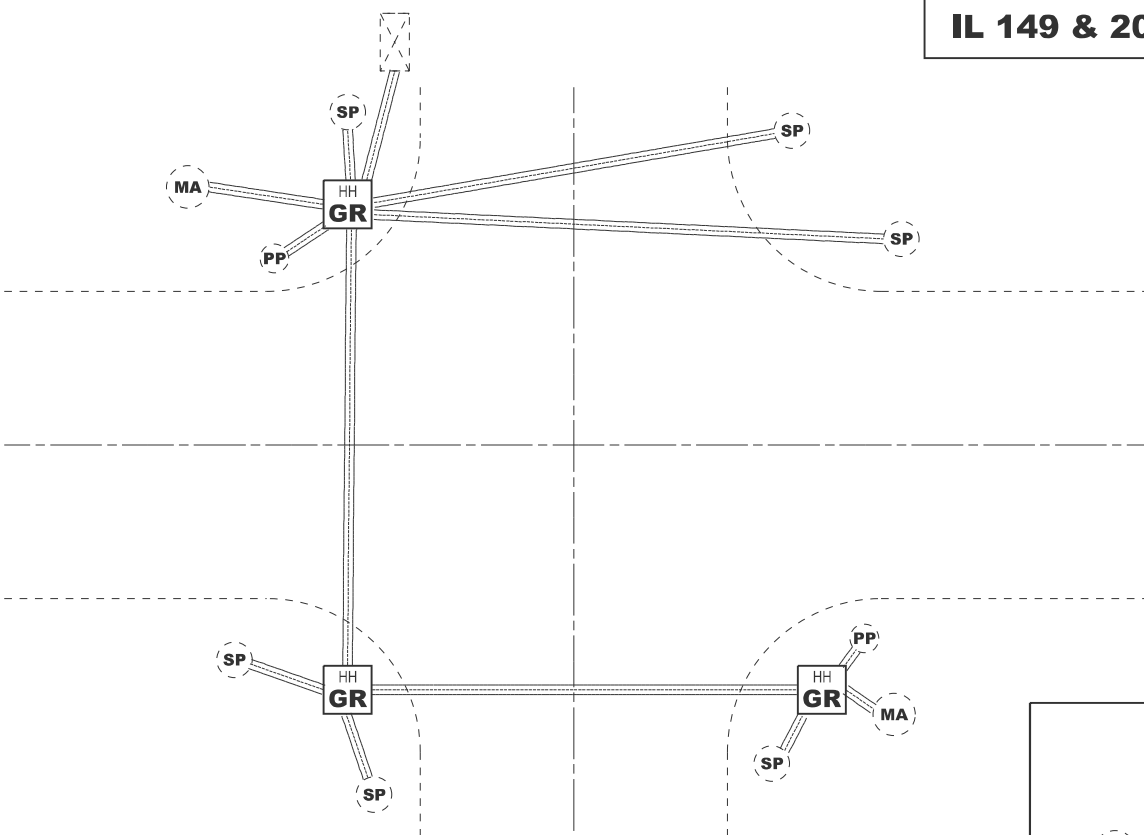
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS 0021
67100100	MOBILIZATION	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	65	65
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	420	420
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	6,485	6,485
87900200	DRILL EXISTING HANDHOLE	EACH	14	14
XP000179	GROUND ROD, 8', COPPER CLAD	EACH	68	68

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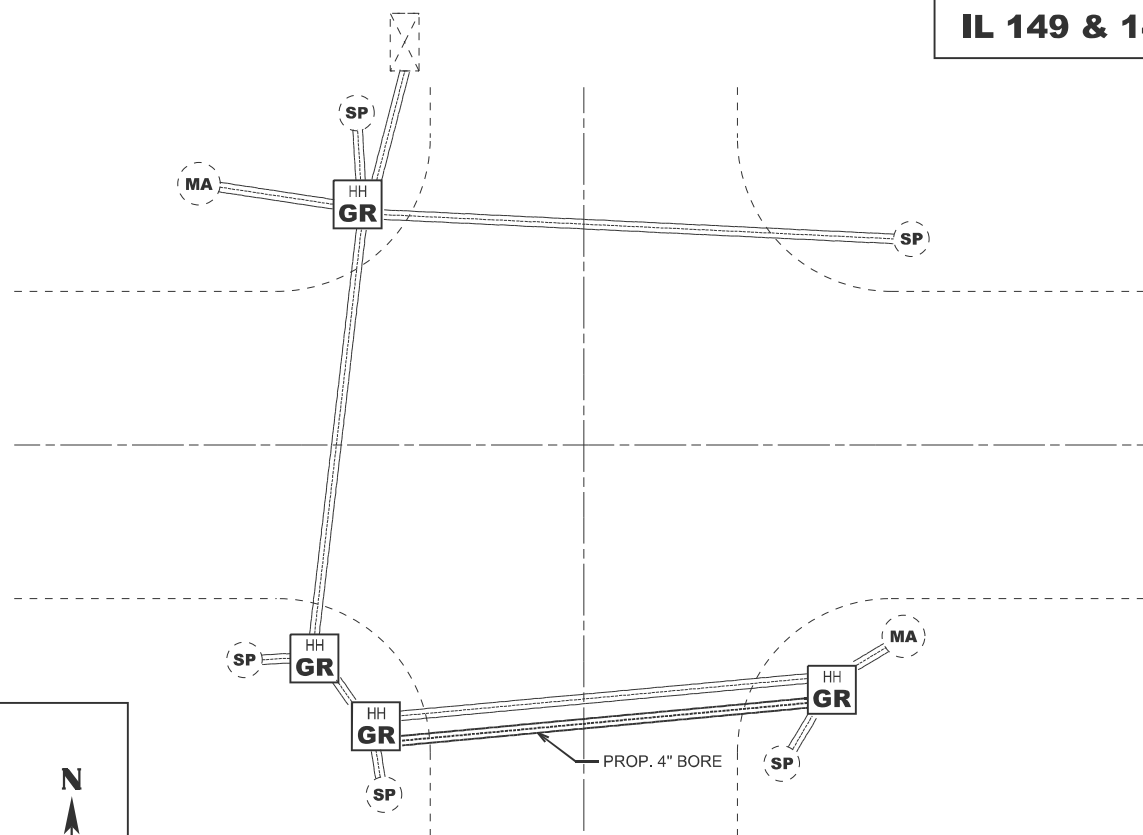
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FILE NAME: c:\pw_work\pwtd\greenlee\smid1072335\ID978B05-SHE-Schedules.dgn

LOCATION		GROUND ROD, 8' COPPER CLAD	UNDERGROUND CONDUIT, PVC		ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	DRILL EXISTING HANDHOLE
			4" DIA	2" DIA.		
STATE ROUTE	INTERSECTING STREET	EACH	FOOT	FOOT	FOOT	EACH
IL 149	20TH ST.	3			385	
IL 149	14TH ST.	3	40		255	2
IL 149	11TH ST.	4			295	
IL 13	GLENVIEW DR.	4			520	
IL 13 EB (W. WALNUT ST.)	OAKLAND AVE.	4	70	65	300	4
IL 13 WB (W. MAIN ST.)	OAKLAND AVE.	4			305	
IL 13 EB (W. WALNUT ST.)	POPLAR ST.	3			305	
IL 13 WB (W. MAIN ST.)	POPLAR ST.	4			270	
IL 13 EB (W. WALNUT ST.)	S. UNIVERSITY AVE. (US 51 S.)	3			280	
IL 13 WB (W. MAIN ST.)	S. UNIVERSITY AVE. (US 51 S.)	4			310	
IL 13 EB (W. WALNUT ST.)	S. ILLINOIS AVE. (US 51 N.)	2			270	
IL 13 WB (W. MAIN ST.)	S. ILLINOIS AVE. (US 51 N.)	2			295	
IL 13 EB (W. WALNUT ST.)	WASHINGTON ST.	2	65		410	2
IL 13 WB (W. MAIN ST.)	WASHINGTON ST.	3			325	
IL 13 WB (W. MAIN ST.)	MARION ST.	4			295	
IL 13 EB (W. WALNUT ST.)	WALL ST.	4	75		405	2
IL 13 WB (W. MAIN ST.)	WALL ST.	4	75		295	2
IL 13 EB (W. WALNUT ST.)	LEWIS LN.	8			695	
IL 13 WB (W. MAIN ST.)	LEWIS LN.	3	95		270	2
		68	420	65	6485	14

IL 149 & 20TH ST.



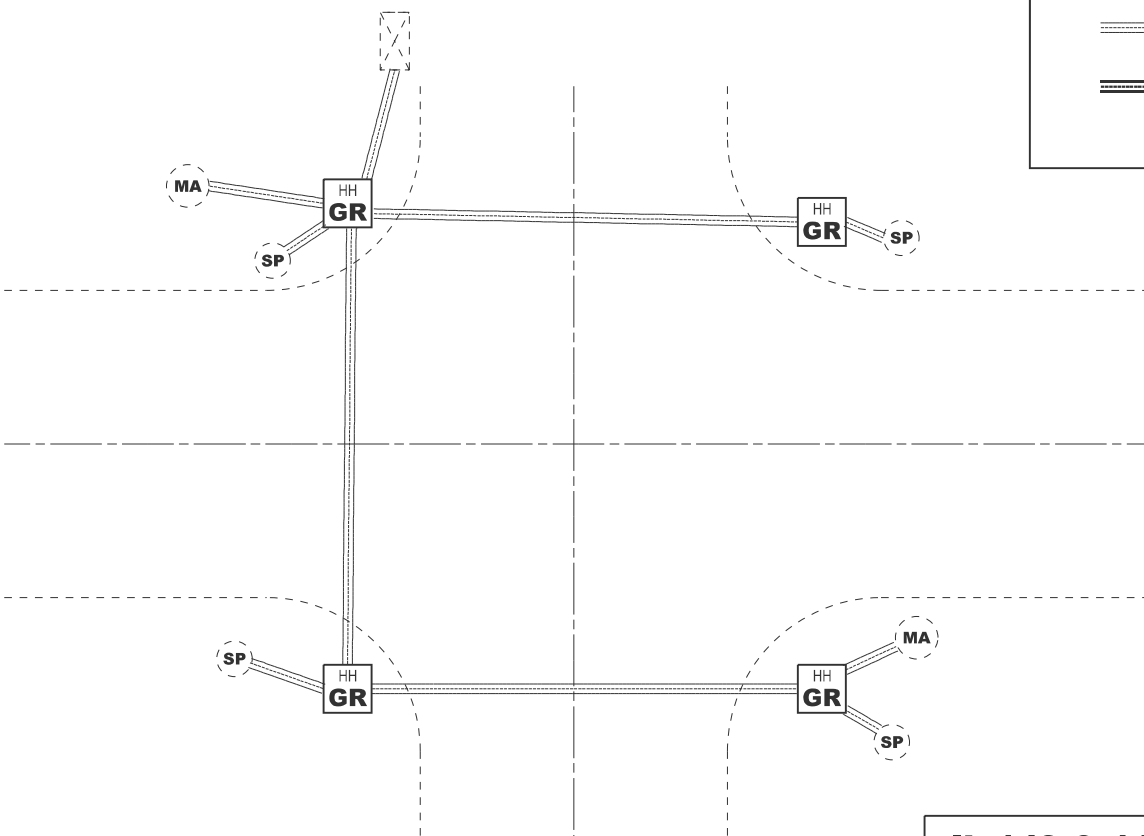
IL 149 & 14TH ST.



LEGEND

- EXISTING T.S. CONTROLLER
- EXISTING MAST ARM, EXISTING SIGNAL POLE, EXISTING PED. POLE
- EXISTING HANDHOLE W/ PROPOSED GROUND ROD
- EXISTING UNDERGROUND CONDUIT
- PROPOSED UNDERGROUND CONDUIT

IL 149 & 11TH ST.



MODEL: Plan - 3 Murphy Loc. [Sheet]
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USER NAME = sean.greenlee	DESIGNED -	REVISED -
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PLOT DATE = 4/1/2025	DATE -	REVISED -

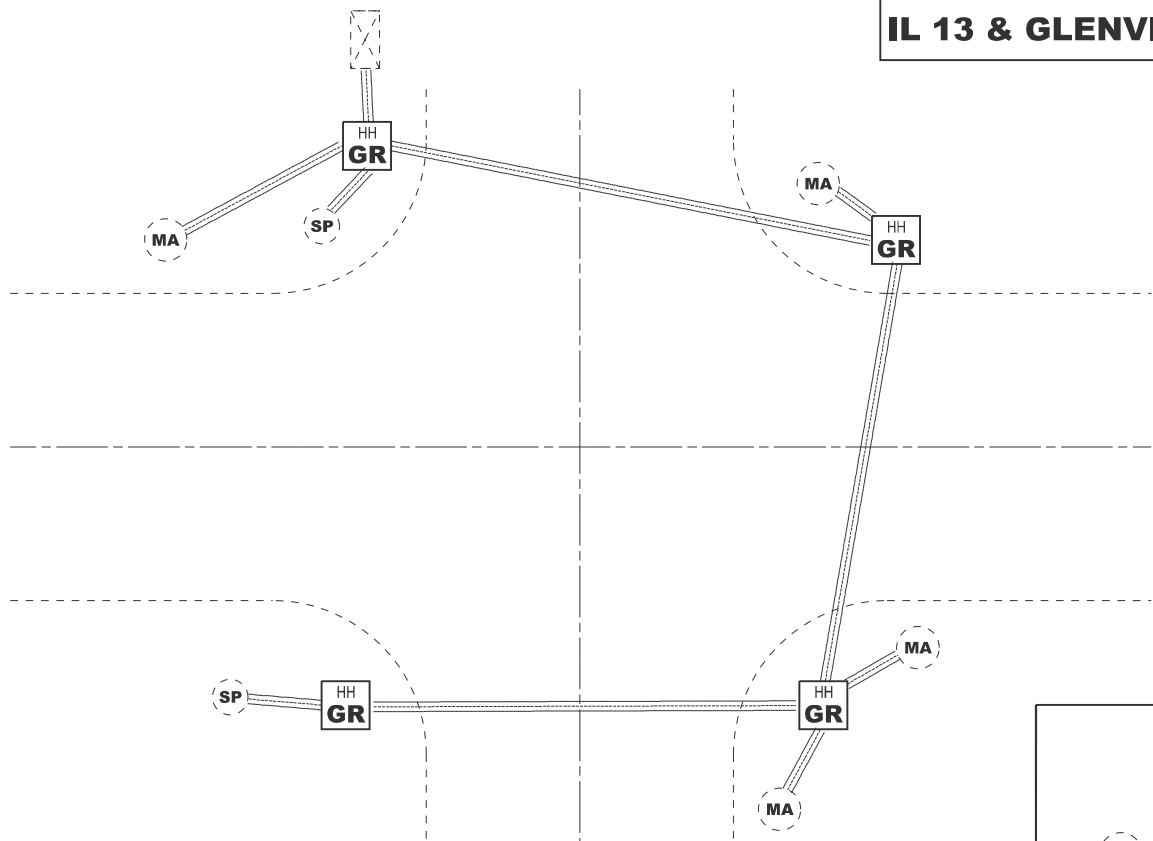
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN DETAIL - IL 149

SCALE: SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Traffic Signal 2025-1	Jackson	12	6
CONTRACT NO. 78B05				
ILLINOIS FED. AID PROJECT				

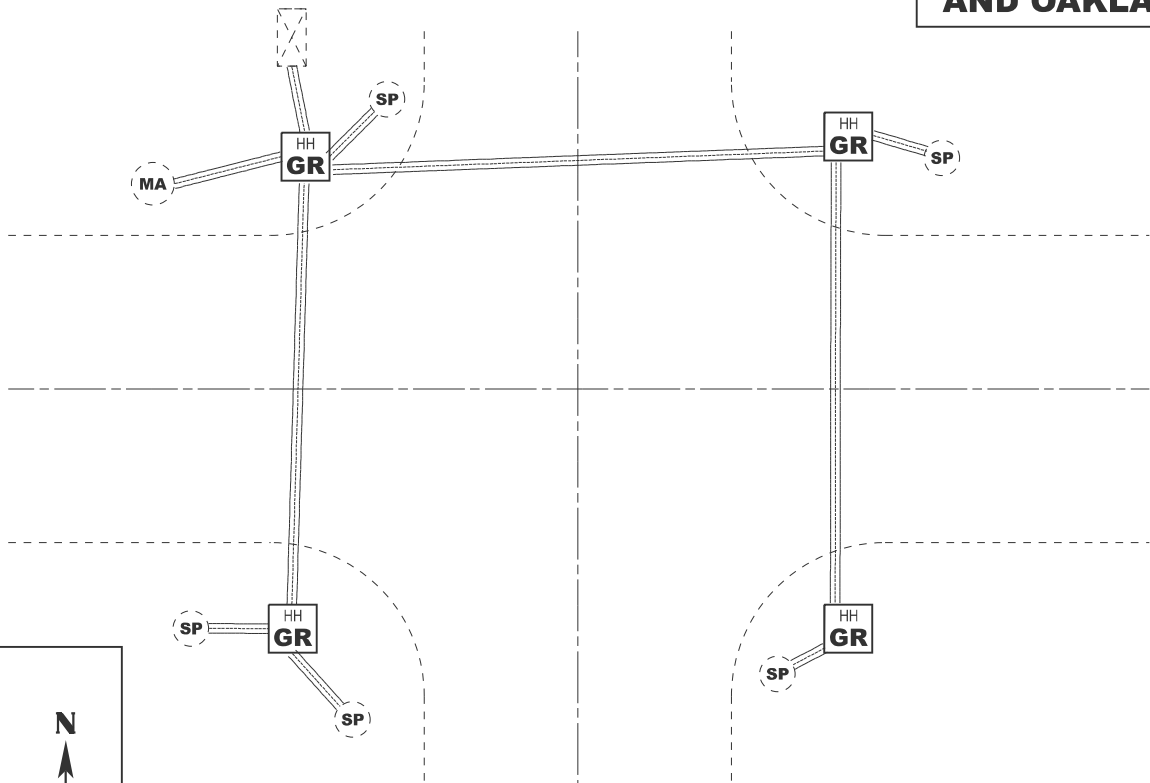
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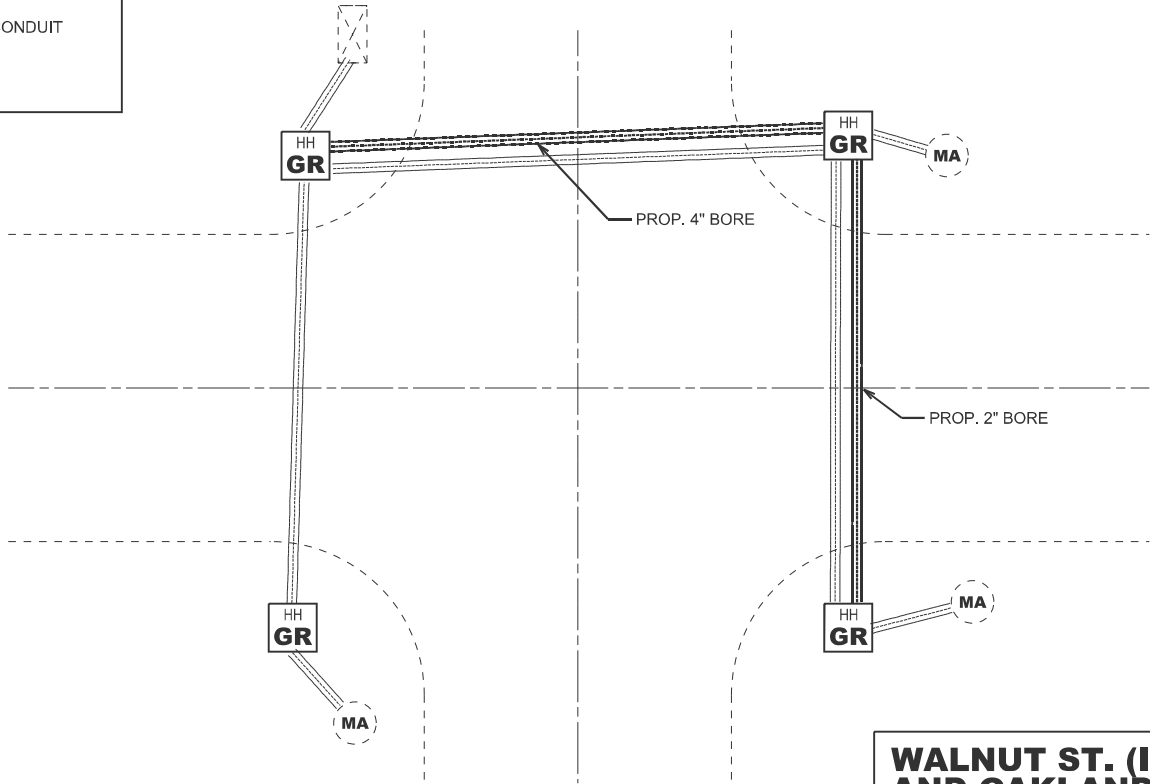
IL 13 & GLENVIEW DR.

LEGEND

- EXISTING T.S. CONTROLLER
- EXISTING MAST ARM, EXISTING SIGNAL POLE, EXISTING PED. POLE
- EXISTING HANDHOLE W/ PROPOSED GROUND ROD
- EXISTING UNDERGROUND CONDUIT
- PROPOSED UNDERGROUND CONDUIT



MAIN ST. (IL 13 WB) AND OAKLAND AVE.



WALNUT ST. (IL 13 EB) AND OAKLAND AVE.

USER NAME = sean.greenlee	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 4/1/2025	DATE -	REVISED -

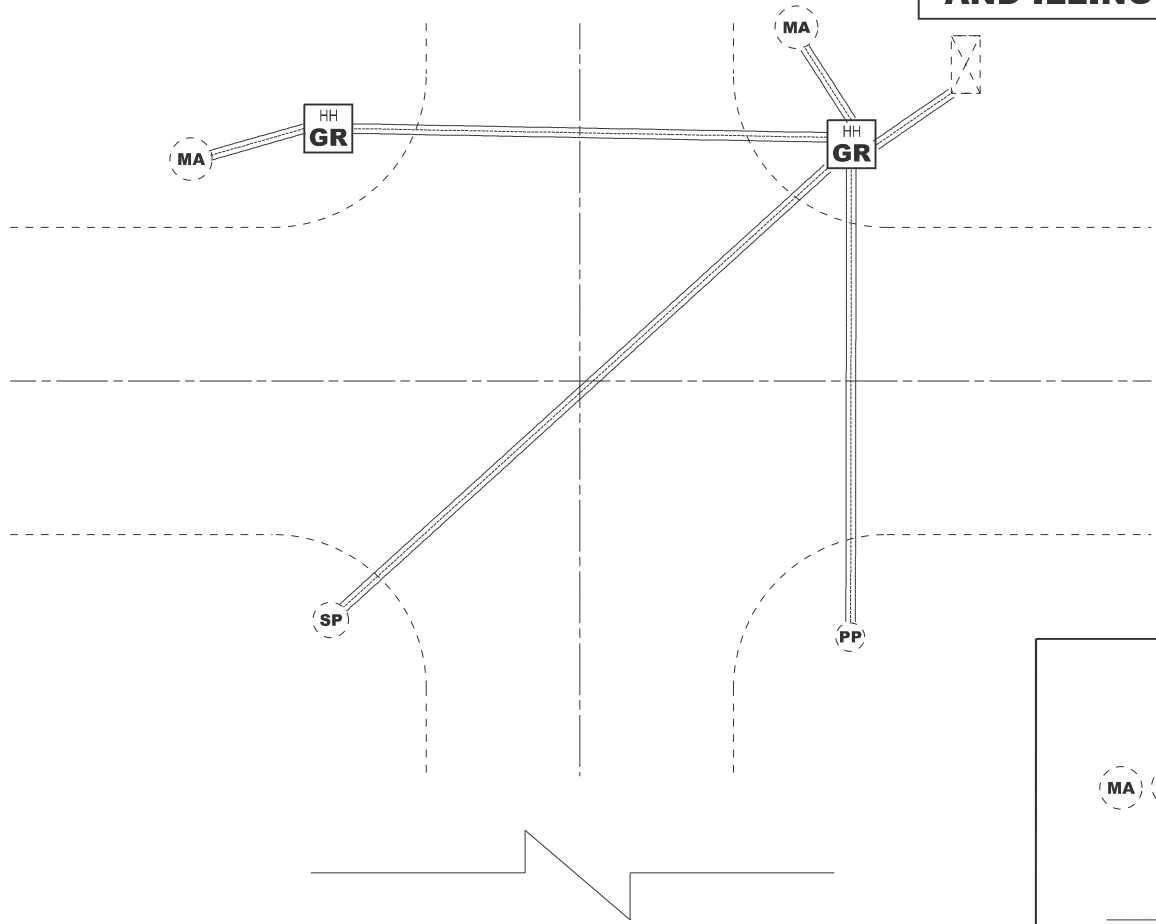
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN DETAIL - IL 13 (1 OF 5)

SCALE: SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Traffic Signal 2025-1	Jackson	12	7
CONTRACT NO. 78B05				
ILLINOIS FED. AID PROJECT				

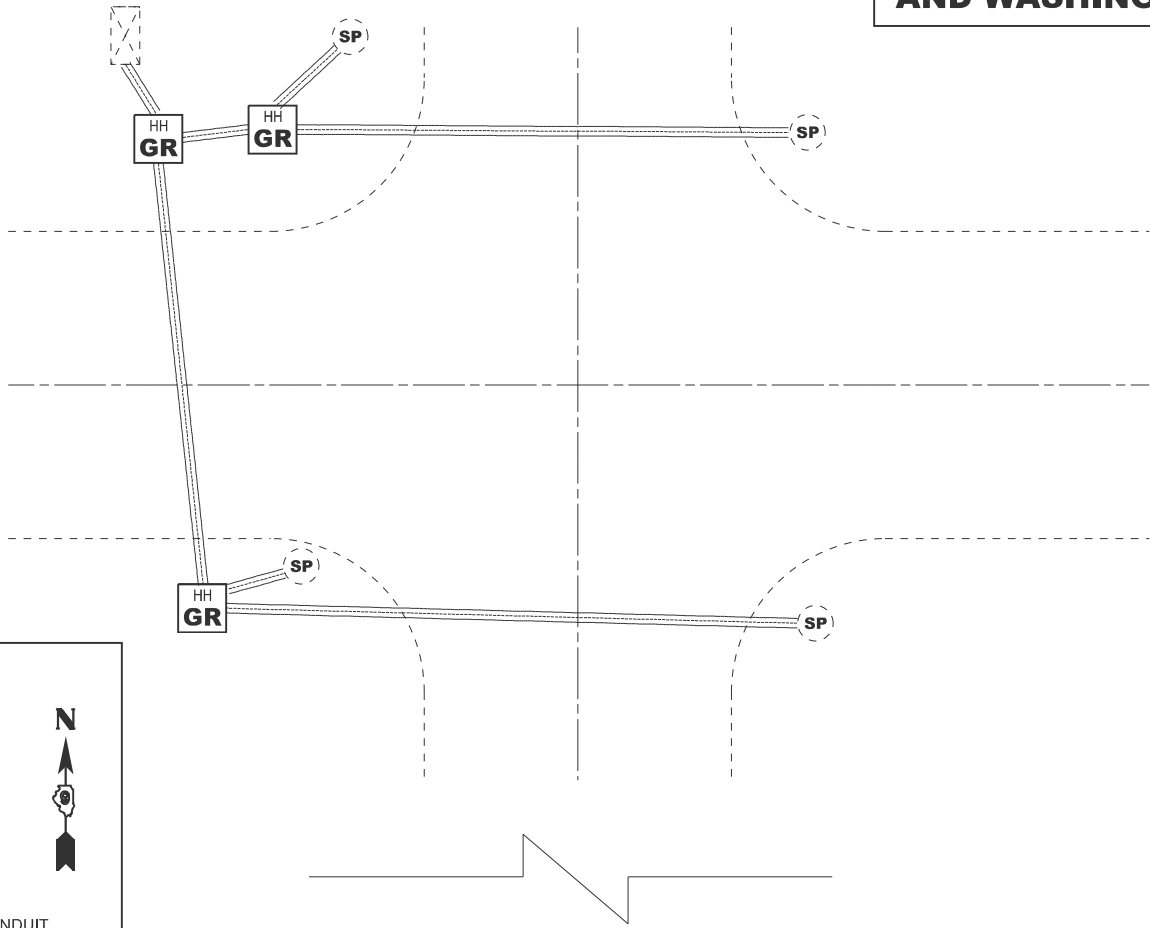
MAIN ST. (IL 13 WB)
AND ILLINOIS AVE.



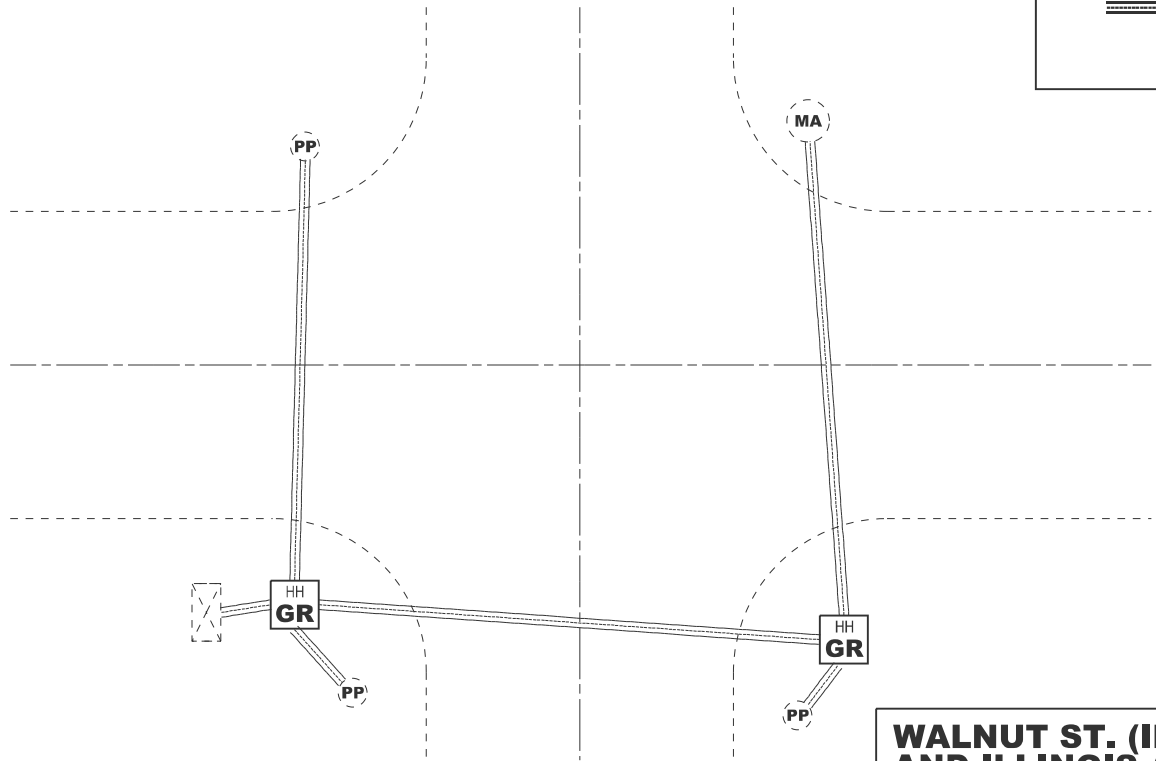
LEGEND

- EXISTING T.S. CONTROLLER
- EXISTING MAST ARM, EXISTING SIGNAL POLE, EXISTING PED. POLE
- EXISTING HANDHOLE W/ PROPOSED GROUND ROD
- EXISTING UNDERGROUND CONDUIT
- PROPOSED UNDERGROUND CONDUIT

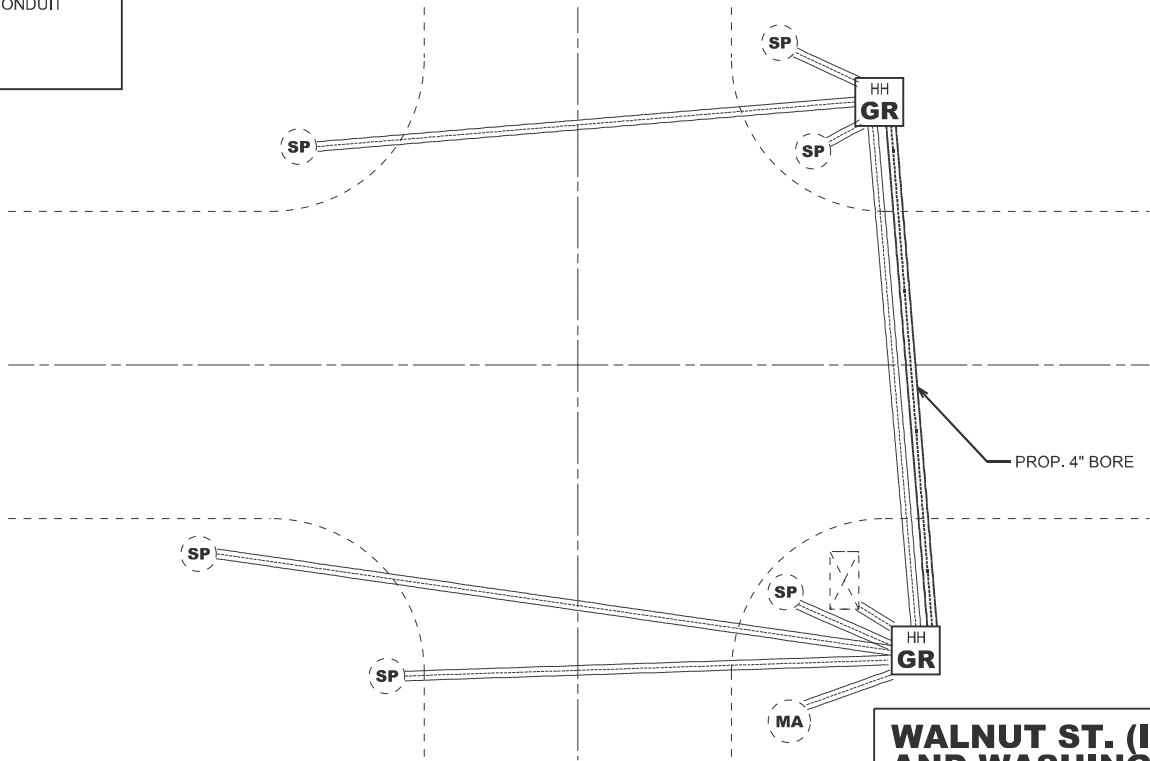
MAIN ST. (IL 13 WB)
AND WASHINGTON ST.



WALNUT ST. (IL 13 EB)
AND ILLINOIS AVE.



WALNUT ST. (IL 13 EB)
AND WASHINGTON ST.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN DETAIL - IL 13 (3 OF 5)

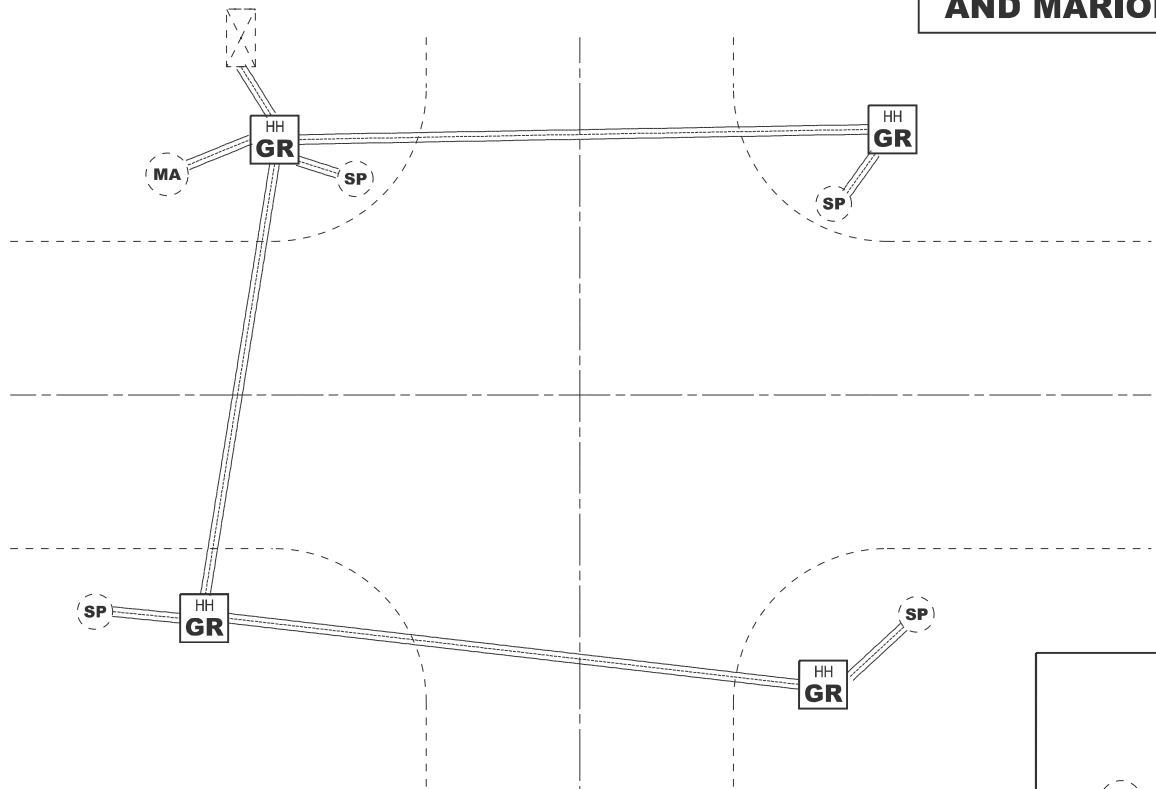
F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Traffic Signal 2025-1	Jackson	12	9
CONTRACT NO. 78B05				

USER NAME = sean.greenlee	DESIGNED -	REVISED -
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PLOT DATE = 4/1/2025	DATE -	REVISED -

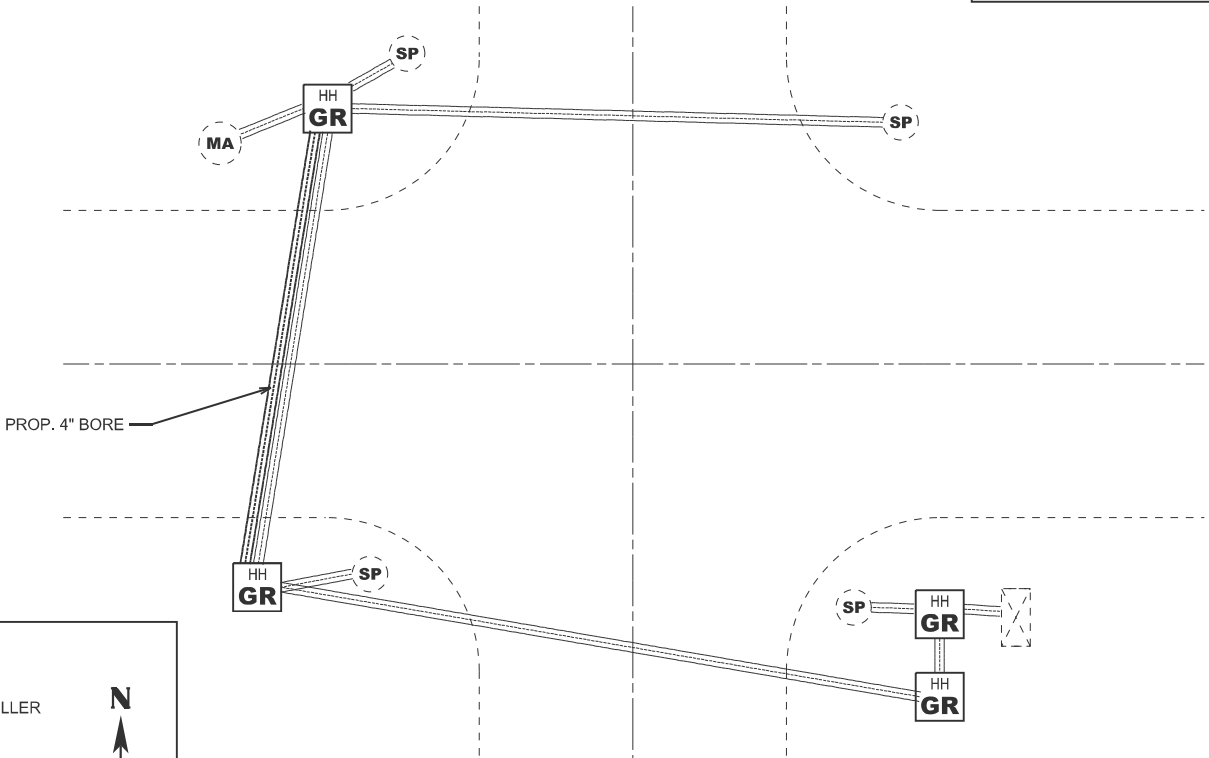
SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

MODEL: Plan - ILLINOIS AVE - WASHINGTON (Sheet)
FILE NAME: c:\p\work\p\work\greenlee\mid1072335\ID978B05-Sht.dgn

MAIN ST. (IL 13 WB)
AND MARION ST.



MAIN ST. (IL 13 WB)
AND WALL ST.



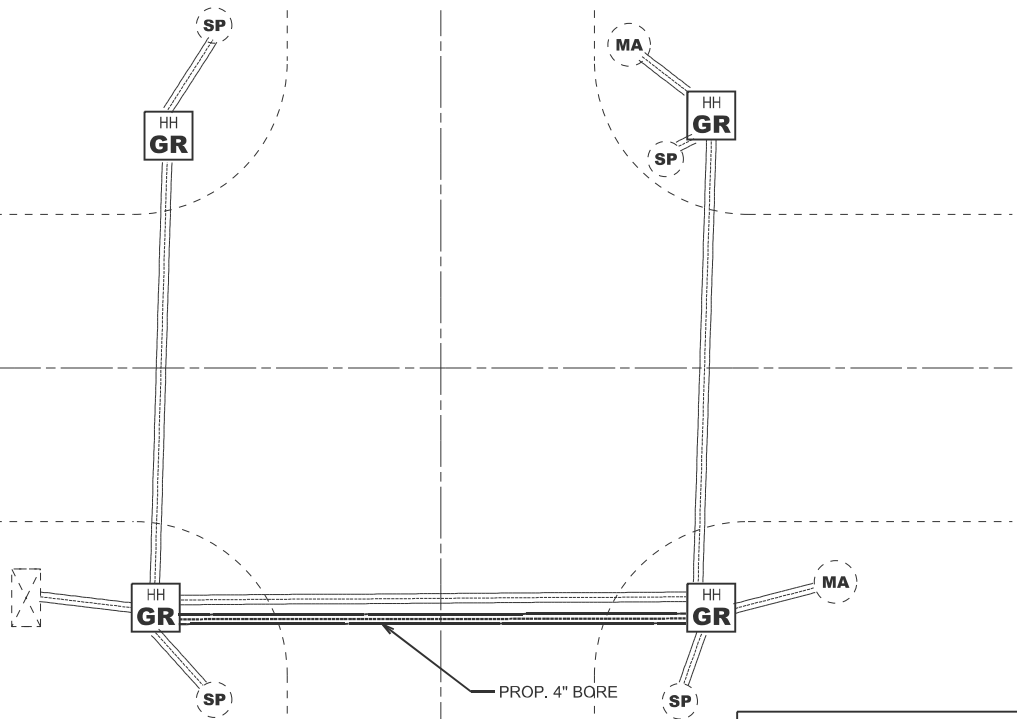
LEGEND

- EXISTING T.S. CONTROLLER
- EXISTING MAST ARM,
EXISTING SIGNAL POLE
EXISTING PED. POLE
- EXISTING HANDHOLE W/
PROPOSED GROUND ROD
- EXISTING UNDERGROUND CONDUIT
- PROPOSED UNDERGROUND CONDUIT



NO SIGNALS

WALNUT ST. (IL 13 EB)
AND MARION ST.



WALNUT ST. (IL 13 EB)
AND WALL ST.

MODEL: Plan - MARION - WALL-1 [Sheet]
FILE NAME: c:\p\work\greenlee\md1072335\ID978B05-Sht.dgn

USER NAME = sean.greenlee	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 4/1/2025	DATE -	REVISED -

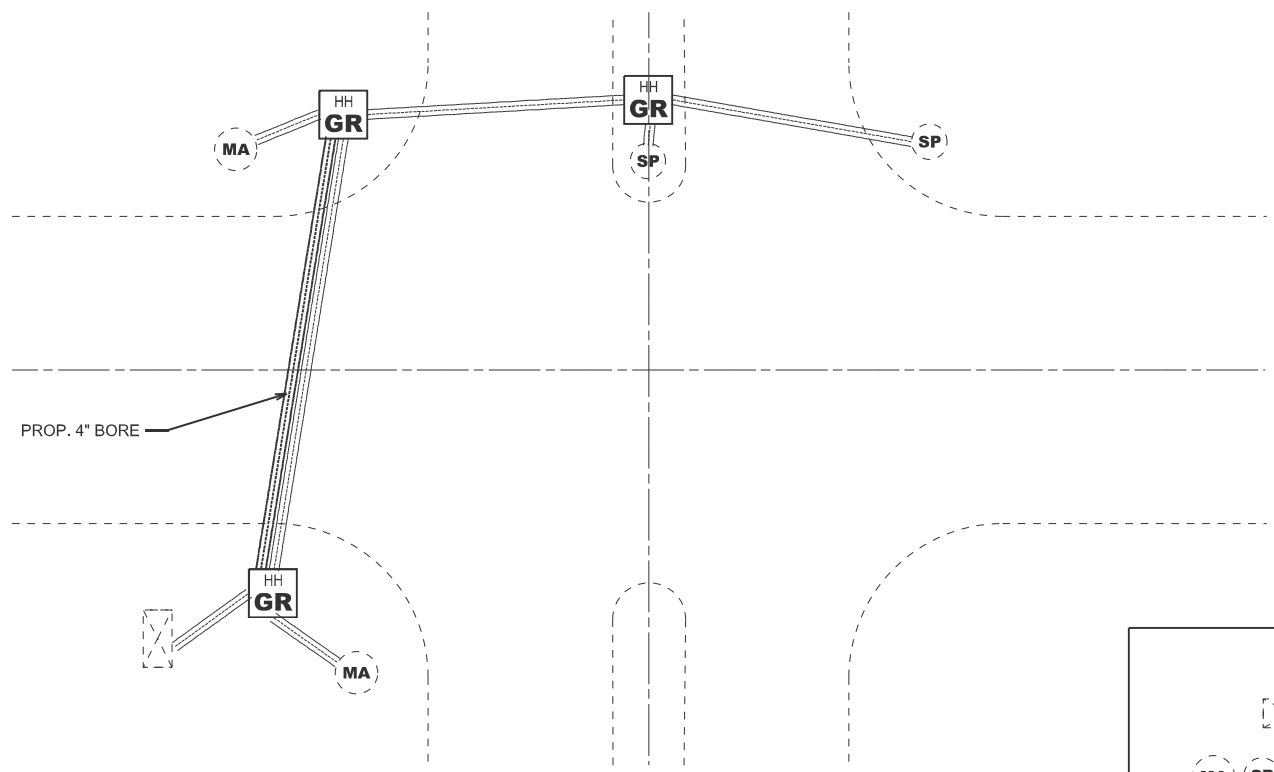
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN DETAIL - IL 13 (4 OF 5)

SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Traffic Signal 2025-1	Jackson	12	10
CONTRACT NO. 78B05				
ILLINOIS FED. AID PROJECT				

MAIN ST. (IL 13 WB)
AND LEWIS LN.



LEGEND

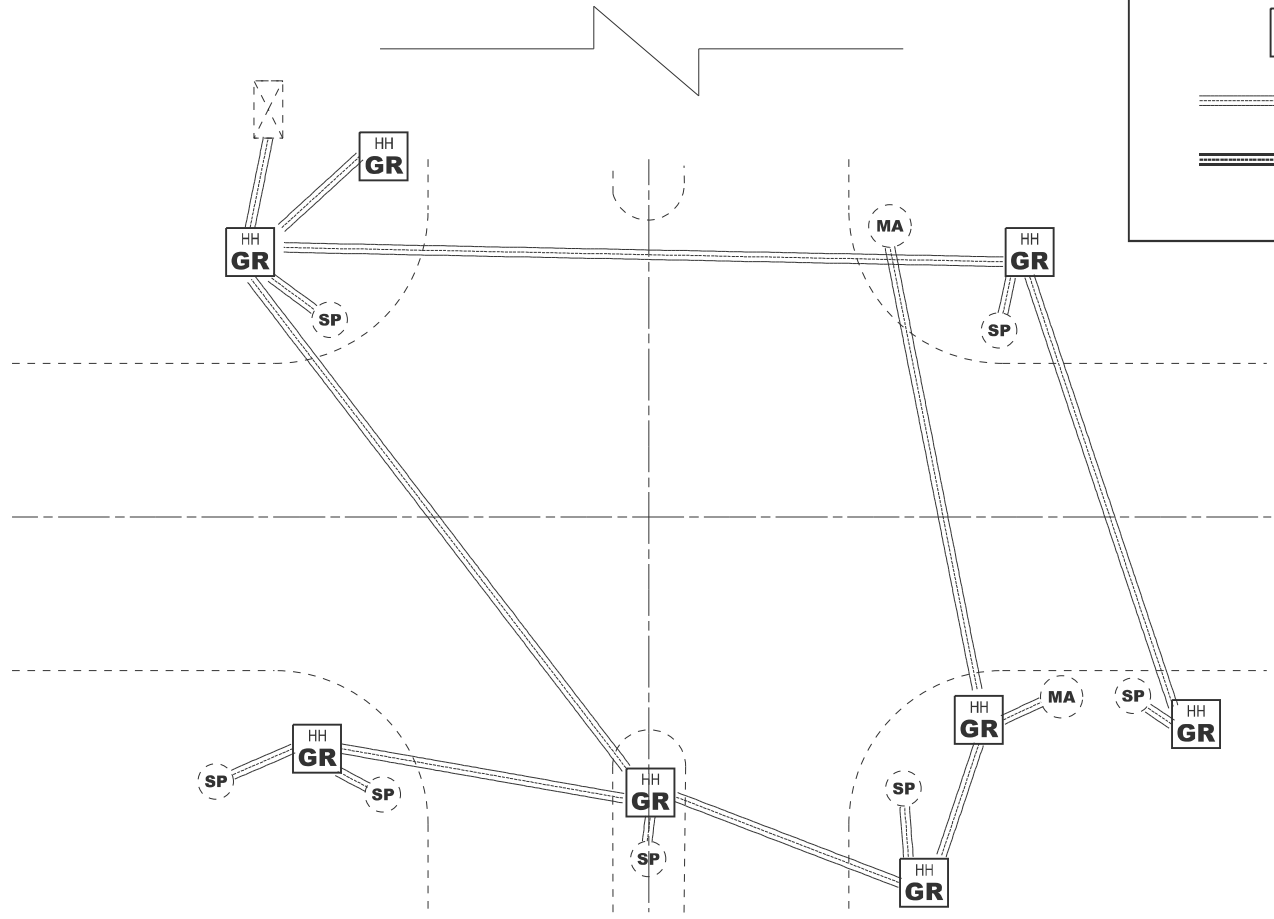
- EXISTING T.S. CONTROLLER

- EXISTING MAST ARM,
EXISTING SIGNAL POLE
EXISTING PED. POLE

- EXISTING HANDHOLE W/
PROPOSED GROUND ROD

- EXISTING UNDERGROUND CONDUIT

- PROPOSED UNDERGROUND CONDUIT



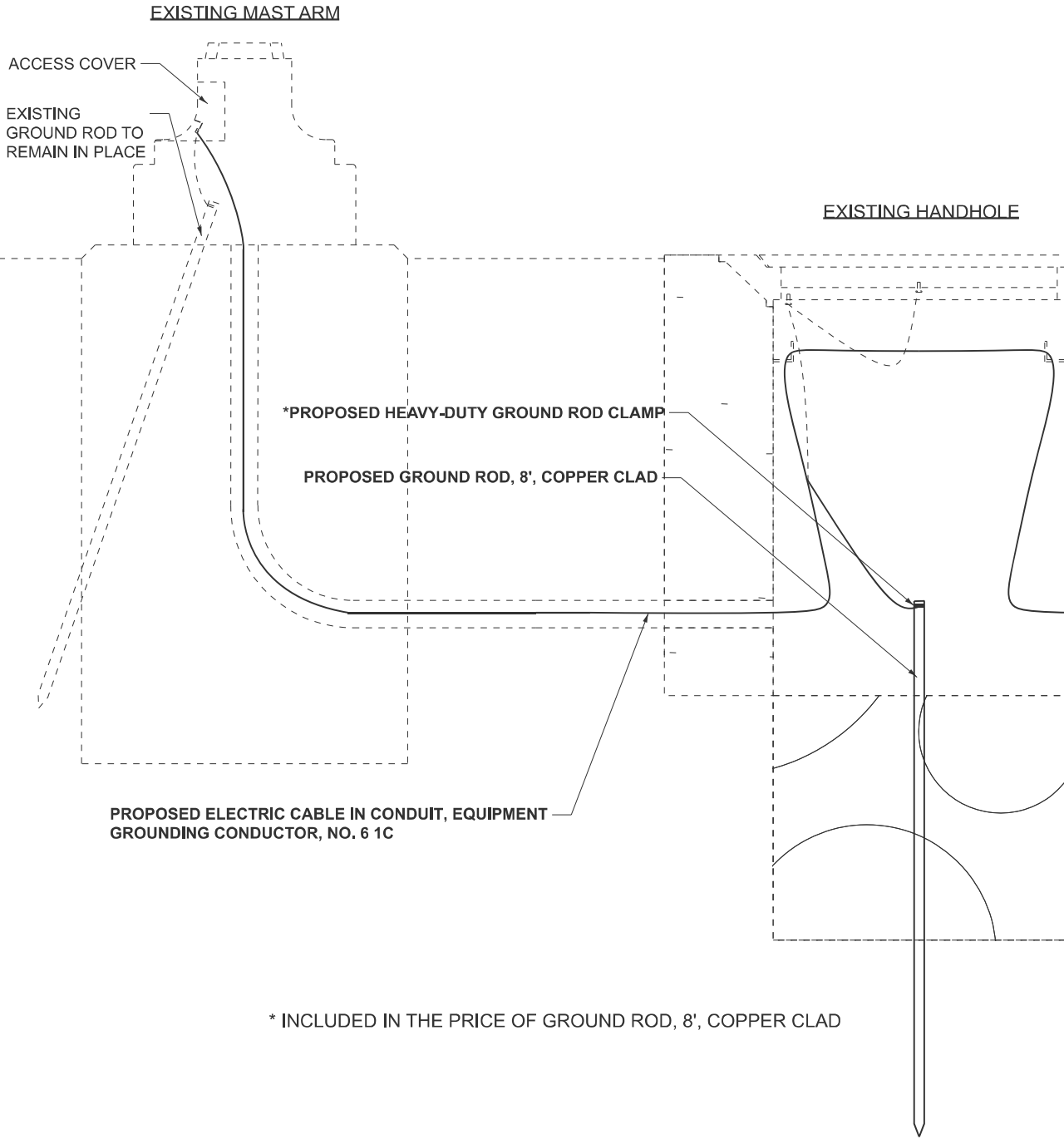
WALNUT ST. (IL 13 EB)
AND LEWIS LANE

MODEL: Plan - LEWIS (Sheet)
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	USER NAME = sean.greenlee	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN DETAIL - IL 13 (5 OF 5)				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	D9 Traffic Signal 2025-1	Jackson	12	11
		CHECKED -	REVISED -						CONTRACT NO. 78B05				
	PLOT DATE = 4/1/2025	DATE -	REVISED -		SCALE:	SHEET 11	OF 12	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Detail-1 [Sheet]
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HANDHOLE AND MAST ARM GROUNDING



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HANDHOLE AND MAST ARM GROUNDING

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Traffic Signal 2025-1	Jackson	12	12
CONTRACT NO. 78B05				
ILLINOIS		FED. AID PROJECT		