PROPOSED SIGNALS & SIGNS

EXISTING SIGN

NEMA NOTES:

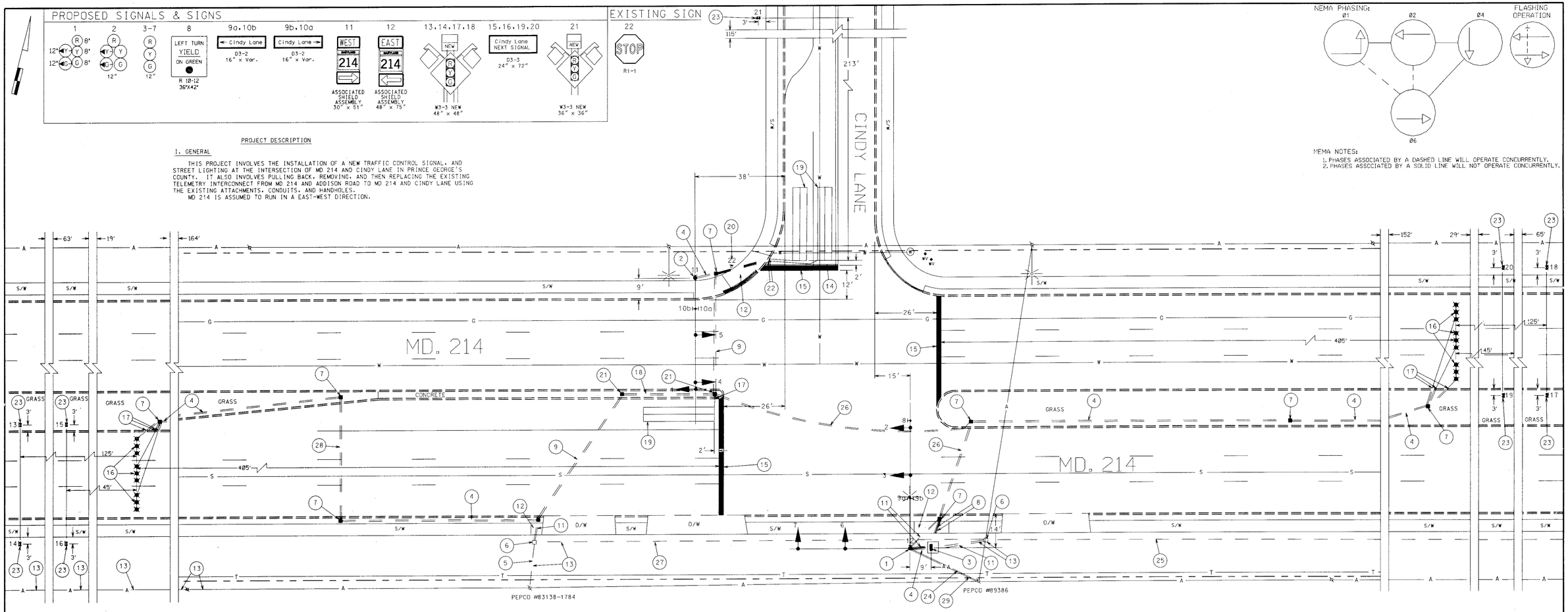
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL, AND STREET LIGHTING AT THE INTERSECTION OF MD 214 AND CINDY LANE IN PRINCE GEORGE'S COUNTY. IT ALSO INVOLVES PULLING BACK, REMOVING, AND THEN REPLACING THE EXISTING TELEMETRY INTERCONNECT FROM MD 214 AND ADDISON ROAD TO MD 214 AND CINDY LANE USING THE EXISTING ATTACHMENTS, CONDUITS, AND HANDHOLES.

MD 214 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.



CONSTRUCTION DETAILS

1. INSTALL 27' MAST ARM POLE WITH TWIN MAST ARMS (60' & 50' RESPECTIVELY), CONCRETE FOUNDATION, GROUT, 3" PVC CONDUIT RISER, 3" WEATHERHEAD, 2" PVC SCHEDULE 80 CONDUIT BEND, TWO (2) 3" PVC SCHEDULE 80 CONDUIT BENDS, 1" PVC CONDUIT RISER, SIGNAL HEADS (4), 20' LIGHTING ARM, LUMINAIRE, AND SIGNS.
2. INSTALL 27' MAST ARM POLE WITH 60' MAST ARM, CONCRETE FOUNDATION, GROUT, 2" PVC SCHEDULE 80 CONDUIT BEND, SIGNAL HEADS (3), AND SIGNS.
3. INSTALL BASE MOUNTED CABINET WITH EIGHT PHASE FULLY ACTUATED CONTROLLER, 4" PVC SCHEDULE 80 CONDUIT BENDS (2), 3" PVC SCHEDULE CONDUIT BEND, 2" PVC SCHEDULE 80 CONDUIT BEND, FOUNDATION, AND GROUT.
4. INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
5. USE THE EXISTING CONDUIT.
6. USE THE EXISTING HANDHOLE.
7. INSTALL THE PROPOSED HANDHOLE.
8. INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.
9. INSTALL 3" PVC SCHEDULE 80 CONDUIT - SLOTTED.
10. INSTALL PROPOSED GROUND ROD IN THE PROPOSED HANDHOLE.
11. INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
12. REMOVE THE EXISTING AREA OF SIDEWALK FOR THE INSTALLATION OF THE PROPOSED CONDUIT. REINSTALL THE PROPOSED SIDEWALK ONCE THE PROPOSED CONDUIT HAS BEEN INSTALLED.
13. PULL BACK THE EXISITNG INTERCONNECT CABLE FROM MD 214 AND ADDISON ROAD TO THE EXISTING HANDHOLE AT MD 214 AND CINDY LANE. INSTALL TO THE PROPOSED HANDHOLE, INTO THE PROPOSED CONDUIT, AND INTO THE CONTROLLER. INSTALL A PROPOSED 12-PAIR COMMUNICATION CABLE FROM MD 214 AND CINDY LANE TO MD 214 AND ADDISON ROAD UTILIZING THE EXISTING AND PROPOSED CONDUIT, HANDHOLES, AND UTILITY POLES.
14. REMOVE THE EXISTING STOP LINE.
15. INSTALL THE PROPOSED STOP LINE.
16. INSTALL THE MICROLOOP TRIPLE PROBE SET.
17. INSTALL THE 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
18. REMOVE THE EXISTING AREA OF CONCRETE MEDIAN FOR THE INSTALLATION OF THE PROPOSED CONDUIT. INSTALL THE 3" PVC SCHEDULE 80 CONDUIT, AND THEN REPLACE (INSTALL) THE CONCRETE MEDIAN.
19. INSTALL 6' x 30' LOOP DETECTOR (3-6-3 TURNS).
20. REMOVE THE EXISTING STOP SIGN.
21. REMOVE THE EXISTING AREA OF CONCRETE MEDIAN FOR THE INSTALLATION OF THE PROPOSED HANDHOLE. INSTALL THE PROPOSED HANDHOLE, AND THEN REPLACE (INSTALL) THE CONCRETE MEDIAN.
22. INSTALL THE 1" ELECTRICAL CONDUIT - GALVANIZED SLEEVE.
23. INSTALL THE GROUND MOUNTED SIGN.
24. PROPOSED SERVICE BY PEPCO.
25. EXISTING CONDUIT, AND INTERCONNECT TO REMAIN.
26. INSTALL 4" PVC SCHEDULE 80 CONDUIT - SLOTTED.
27. CAP AND ABANDON THE EXISTING CONDUIT ONCE THE EXISTING INTERCONNECT HAS BEEN PULLED BACK (SEE CONSTRUCTION DETAIL 13).
28. INSTALL 2" PVC SCHEDULE 80 CONDUIT - SLOTTED.
29. PROPOSED TELEPHONE DROP.

NOTE TO THE CONTRACTOR:

1. CONTRACTORS SHALL BE CAREFUL WHEN INSTALLING THE CABINET, CONDUIT, AND THE SIGNAL POLES DUE TO THE SHA INTERCONNECT CONDUIT, AND UNDERGROUND UTILITES. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER (410)787-5852 CONCERNING THE INTERCONNECT.
2. THE LOOP DETECTORS, AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES
D — D	STORM DRAIN

REVISIONS	APPROVALS
	ASST. DIVISION CHIEF, TEDD — 8/24/98
	ASST. DISTRICT ENGINEER, TRAFFIC — 8/31/98
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 8/31/98
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD. 214 and CINDY LANE
SEAT PLEASANT, MARYLAND

SIGNAL NO. 03004002.16 — DATE AUGUST, 1998

DRAWN BY:	F.A.P. NO. AC-STPG-000S(587)E	PLAN SHEET NO.	SHEET NO.
DES. BY:	S.H.A. NO. AW276A56 1B5E 1M5E		
CHECK BY:	COUNTY PRINCE GEORGE'S	TS-3829	1 OF 1
SCALE: 1" = 20'			

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