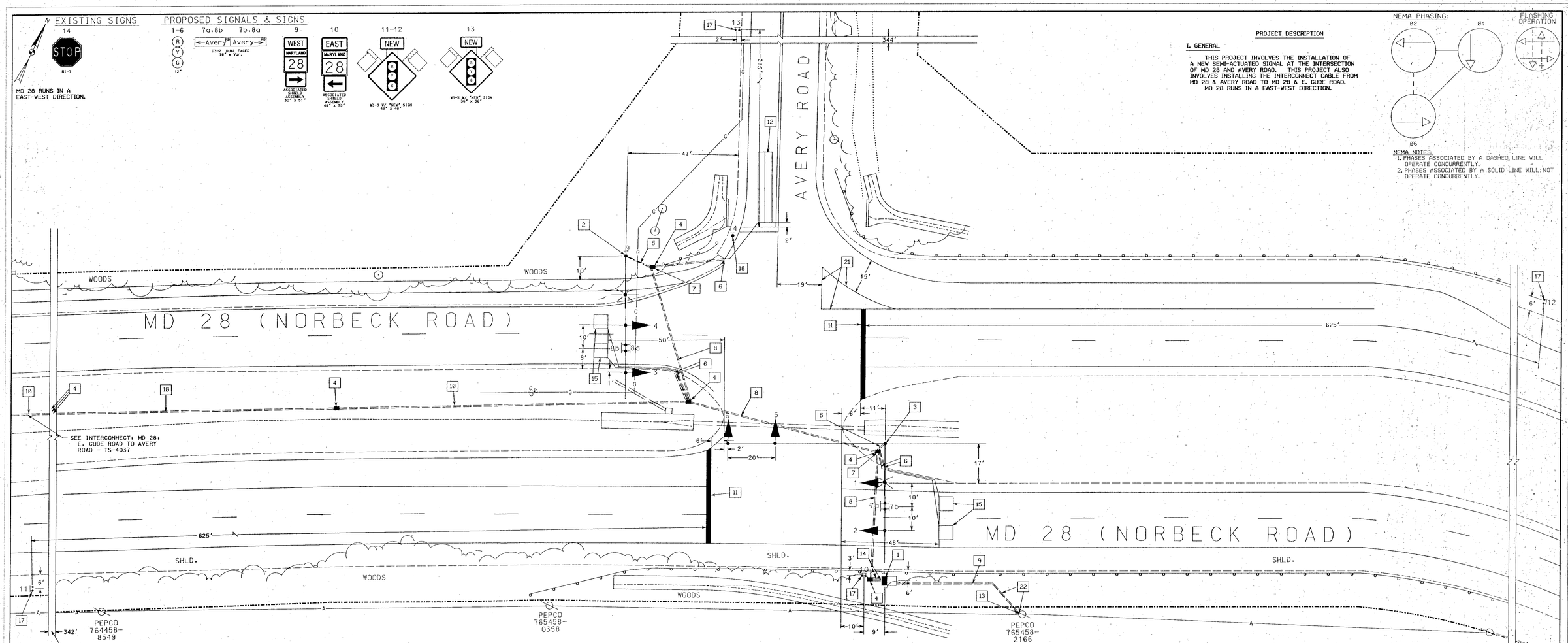

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW SEMI-ACTUATED SIGNAL AT THE INTERSECTION OF MD 28 AND AVERY ROAD. THIS PROJECT ALSO INVOLVES INSTALLING THE INTERCONNECT CABLE FROM MD 28 & AVERY ROAD TO MD 28 & E. GUDE ROAD. MD 28 RUNS IN A EAST-WEST DIRECTION.

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

CONSTRUCTION DETAILS

1. INSTALL THE PROPOSED BASE MOUNTED CONTROLLER CABINET AND WITH ALL NECESSARY EQUIPMENT (FOR SERVICE INSTALLATION), CONCRETE FOUNDATION, 4' x 4' CONCRETE PAD, TWO (2) 4" PVC SCHEDULE 80 CONDUIT BENDS, ONE (1) 3" PVC SCHEDULE 80 BEND, AND ONE (1) 2" PVC SCHEDULE 80 BEND.
2. INSTALL THE PROPOSED 27' STEEL POLE WITH 60' MAST ARM, CONCRETE FOUNDATION, 3" PVC SCHEDULE 80 CONDUIT BEND, 15' LIGHTING ARM, LUMINAIRE, SIGNAL HEADS (2), AND SIGNS.
3. INSTALL THE PROPOSED 27' STEEL POLE WITH TWIN MAST ARMS (50' / 70'), CONCRETE FOUNDATION, 3" PVC SCHEDULE 80 CONDUIT BEND, 15' LIGHTING ARM, LUMINAIRE, SIGNAL HEADS (4), AND SIGNS.
4. INSTALL THE PROPOSED HANDHOLE.
5. INSTALL THE PROPOSED 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
6. INSTALL THE PROPOSED 1" ELECTRICAL CONDUIT - GALVANIZED SLEEVE.
7. INSTALL A GROUND ROD IN THE PROPOSED HANDHOLE.
8. INSTALL THE PROPOSED 3" PVC SCHEDULE 80 CONDUIT - SLOTTED.
9. INSTALL THE PROPOSED 3" PVC SCHEDULE 80 CONDUIT - TRENCHED - FOR SERVICE BY PEPCO.
10. INSTALL THE PROPOSED 2" PVC SCHEDULE 80 CONDUIT - TRENCHED (FOR INTERCONNECT).
11. INSTALL THE PROPOSED 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
12. INSTALL THE PROPOSED 6' x 30' LOOP DETECTOR (3-6-3 TURNS)
13. INSTALL THE PROPOSED 3" PVC SCHEDULE 80 BEND AT THE BOTTOM OF THE UTILITY POLE FOR THE PROPOSED SERVICE BY PEPCO.
14. INSTALL THE PROPOSED 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.
15. INSTALL THE PROPOSED 6' x 6' LOOP DETECTOR (4 TURNS).
16. USE THE EXISTING HANDHOLE.
17. INSTALL THE PROPOSED GROUND MOUNTED SIGN.
18. REMOVE THE EXISTING "STOP" SIGN.
19. USE THE EXISTING CONDUIT.
20. USE THE EXISTING SPAN WIRE.
21. INSTALL THE PROPOSED 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
22. INSTALL THREE STRANDS OF 1-CONDUCTOR CABLE (NO. 4 AWG) INTO THE PROPOSED CONDUIT FOR SERVICE. NOW, PLACE THREE (3) STRANDS (35' EACH) OF COILED 1-CONDUCTOR NO. 4 CABLE (FOR SERVICE) AT THE BASE OF THE PEPCO UTILITY POLE (#765458-2166) FOR SERVICE.

NOTE TO CONTRACTOR

1. ALL MAST ARMS SHALL BE INSTALLED AT LEAST 18' ABOVE THE EXISTING ROAD WAY SURFACE.

UTILITY LEGEND

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

REVISIONS	APPROVALS
	10-3-00 — HIGHWAY ADMINISTRATION, TRAFFIC ENGINEERING DESIGN DIVISION
	10/10/00 — ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	10-10-00 — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	10/12 — DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 28 and AVERY ROAD

ROCKVILLE, MARYLAND

DRAWN BY:	F.A.P. NO.	T.S. NO.	SHEET NO.
CHECKED BY:	S.H.A. NO. M0352051B5T	TS-4036	
SCALE: 1" = 20'	COUNTY MONTGOMERY	T.I.M.S. NO.	
DATE: 08/ 2000	LOG MILE 15002824.31	0996	1 OF 3

C:\BILLDRIVE\WEBAVERY.dgn Oct. 01, 2000 15:14:29