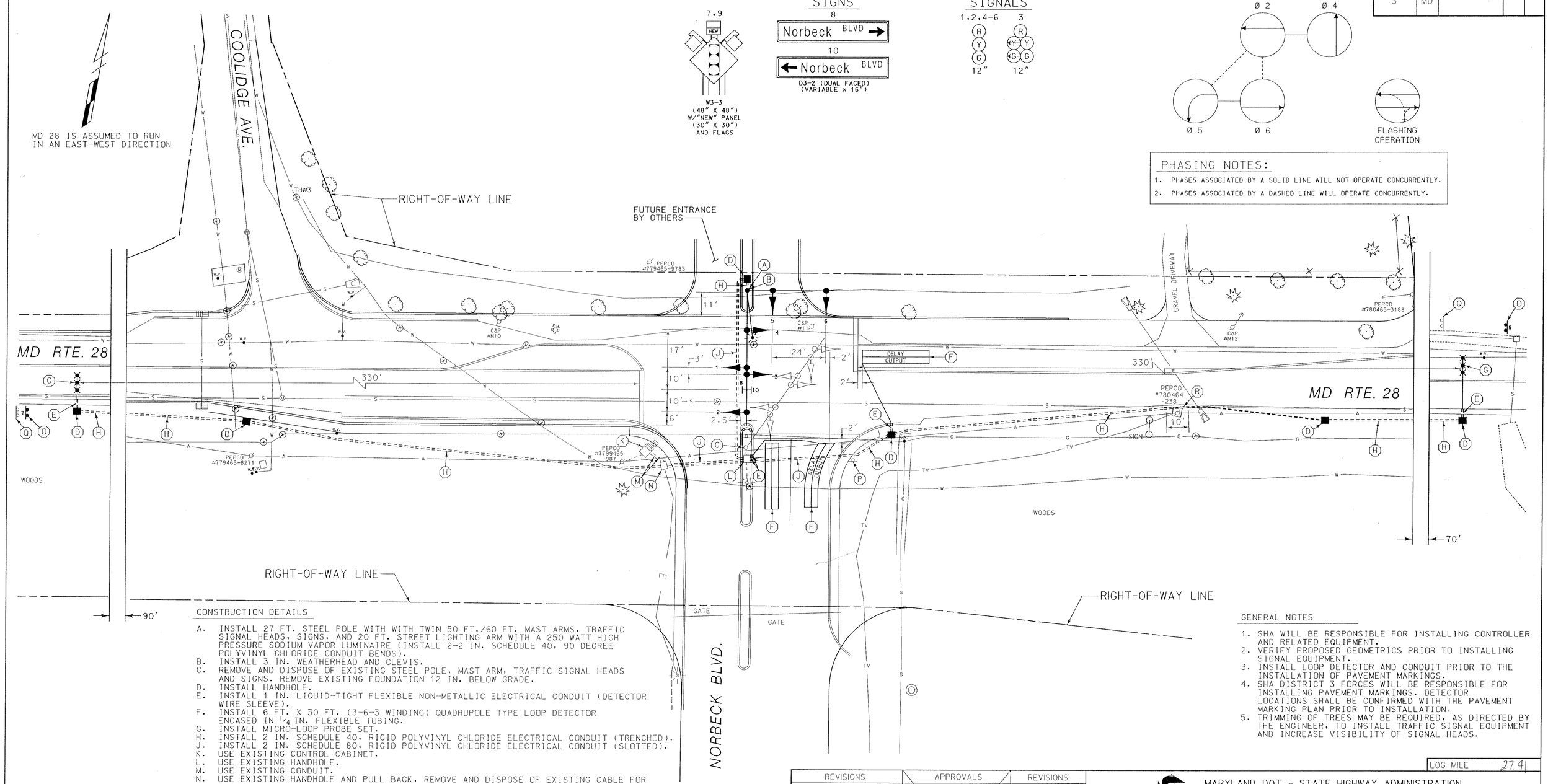
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



PHASING NOTES:

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

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH WITH TWIN 50 FT./60 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (INSTALL 2-2 IN. SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS).
B. INSTALL 3 IN. WEATHERHEAD AND CLEVIS.
C. REMOVE AND DISPOSE OF EXISTING STEEL POLE, MAST ARM, TRAFFIC SIGNAL HEADS AND SIGNS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE.
D. INSTALL HANDHOLE.
E. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
F. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL MICRO-LOOP PROBE SET.
H. INSTALL 2 IN. SCHEDULE 40, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
J. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
K. USE EXISTING CONTROL CABINET.
L. USE EXISTING HANDHOLE.
M. USE EXISTING CONDUIT.
N. USE EXISTING HANDHOLE AND PULL BACK, REMOVE AND DISPOSE OF EXISTING CABLE FOR EXISTING ICB ONCE NEW TRAFFIC SIGNAL IS OPERATIONAL.
O. INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS APPROXIMATELY 550 FT. IN ADVANCE OF THE INTERSECTION ON MD 28.
P. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
Q. REMOVE EXISTING W2-1 AND D3-2 SIGNS AND SUPPORTS. RELOCATE D3-2 SIGN ONTO NEW SUPPORTS FOR W3-3 SIGN
R. INSTALL 2 IN SCHEDULE 40, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED). HAND DIG AROUND EXISTING UTILITY POLE.

GENERAL NOTES

1. SHA WILL BE RESPONSIBLE FOR INSTALLING CONTROLLER AND RELATED EQUIPMENT.
2. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. INSTALL LOOP DETECTOR AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. SHA DISTRICT 3 FORCES WILL BE RESPONSIBLE FOR INSTALLING PAVEMENT MARKINGS. DETECTOR LOCATIONS SHALL BE CONFIRMED WITH THE PAVEMENT MARKING PLAN PRIOR TO INSTALLATION.
5. TRIMMING OF TREES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, TO INSTALL TRAFFIC SIGNAL EQUIPMENT AND INCREASE VISIBILITY OF SIGNAL HEADS.

LOG MILE 27.41

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

WR&A
Whitman, Requardt and Associates
Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF	
	ASST. DISTRICT ENGINEER, TRAFFIC	
A CONVERT ICB TO FULL-TRAFFIC ACTUATED SIGNAL 7/97	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
NML	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 28 AND NORBECK BLVD.

DATE: 7-14-97	DRAWN BY: T.ZAYDEL	F.A.P. NO. STPG-0005(493)E	PLAN SHEET NO.: TS-3740	SHEET NO. 1 OF 2
SCALE: 1" = 20'	DESIGNED BY: T.ZAYDEL	S.H.A. NO. AW-102-501-385		
APPROVED BY:	CHECKED BY:	COUNTY MONTGOMERY		

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