MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

SIGNS

9,13 — W3-3 (36" X 36") W/"NEW" PANEL (30" X 30") AND FLAGS

10 — ← W. Paca Sch
16 — W. Paca Sch →
D1-1(2) (VARIABLE X 16")

12 — Continental DR →
14 — ← Continental DR
D-3(1) (VARIABLE X 16")

11,15 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")

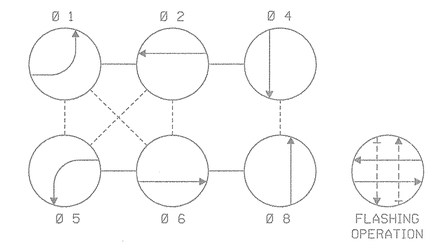
17 — EAST, MARYLAND 7 → — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

18 — WEST, MARYLAND 7 ← — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

SIGNAL HEADS

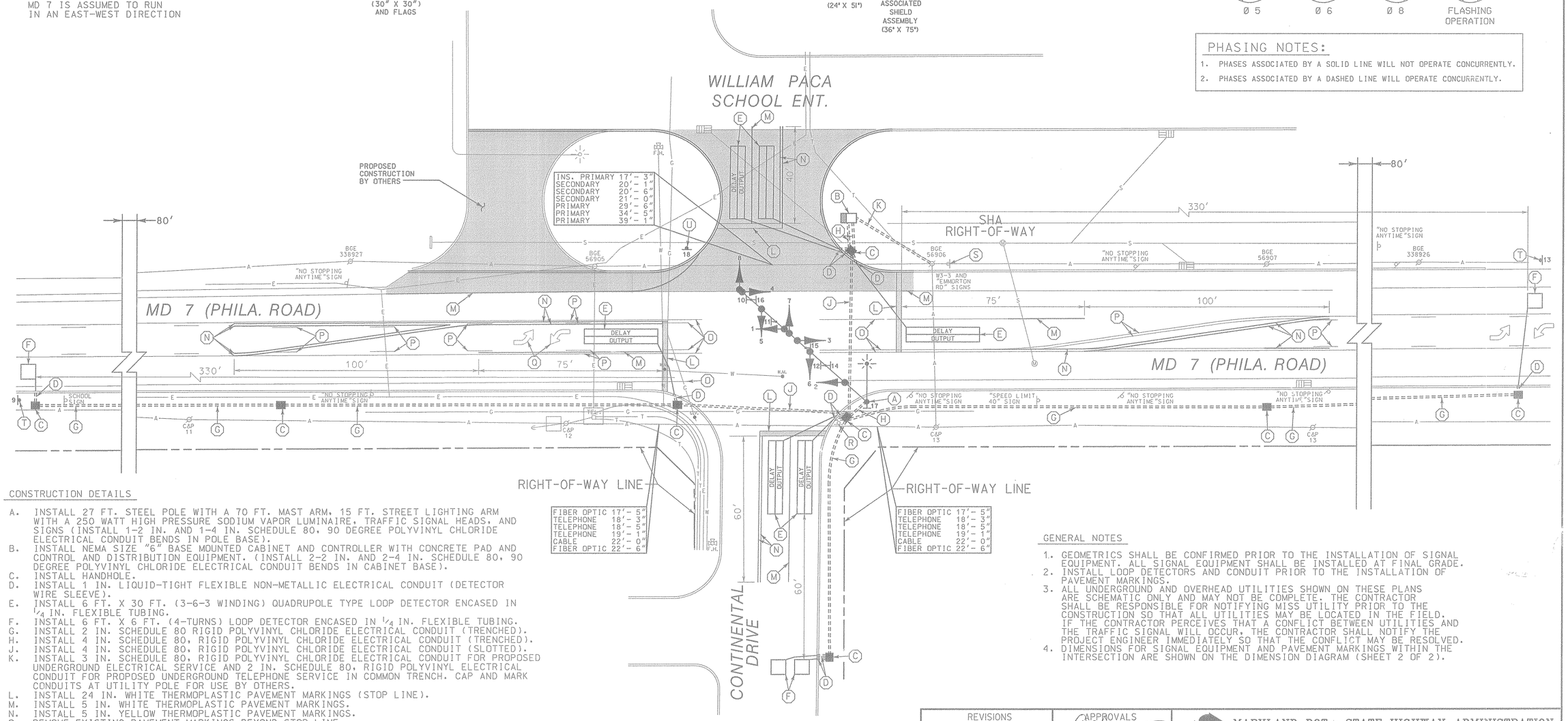
1,3 — R, Y, G — 12"
2,4-8 — R, Y, G — 12"

NEMA PHASING



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 A 70 FT. MAST ARM, 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE, TRAFFIC SIGNAL HEADS, AND SIGNS (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE).
C. INSTALL HANDHOLE.
D. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
E. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL 6 FT. X 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
J. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
K. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, RIGID POLYVINYL ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE IN COMMON TRENCH. CAP AND MARK CONDUITS AT UTILITY POLE FOR USE BY OTHERS.
L. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
M. INSTALL 5 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS.
N. INSTALL 5 IN. YELLOW THERMOPLASTIC PAVEMENT MARKINGS.
O. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
P. REMOVE EXISTING PAVEMENT MARKINGS.
Q. REMOVE EXISTING PAVEMENT MARKING ARROW.
R. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
S. RELOCATE EXISTING W3-3 AND D-3(2) "EMMORTON RD" SIGNS AND SUPPORT TO APPROXIMATELY 550 FT. IN ADVANCE OF THE INTERSECTION OF MD 24 ON WESTBOUND MD 7.
T. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. X 6 IN. TREATED WOOD POST APPROXIMATELY 550 FT. IN ADVANCE OF THE INTERSECTION ON MD 7.
U. INSTALL ASSOCIATED SHIELD ASSEMBLY "WEST, MD 7, LEFT ARROW" (36 IN. X 75 IN.) ON TWO 4 IN. X 6 IN. TREATED WOOD POSTS.

GENERAL NOTES

1. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED AT FINAL GRADE.
2. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
4. DIMENSIONS FOR SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN THE INTERSECTION ARE SHOWN ON THE DIMENSION DIAGRAM (SHEET 2 OF 2).

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

WR&A
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REVISIONS

APPROVALS

for Dimitrios A. Zafiris — ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

7/7/99 — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

7/7/99 — DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 7 (OLD PHILADELPHIA RD) AND
WILLIAM PACA ELEM. SCHOOL/CONTINENTAL DR.

DRAWN BY: S.BLOSS	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY: N.LEARY	S.H.A. NO.	HA188A54/B54	TS-3923	
SCALE: 1"= 20'	COUNTY:	HARFORD	T.I.M.S. NO.	
DATE: 7-7-99	LOG MILE:	12000704.71	D 362	1 OF 2

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