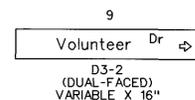


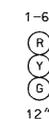


MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

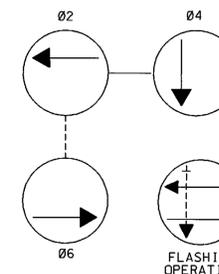
PROPOSED SIGNS



PROPOSED SIGNALS

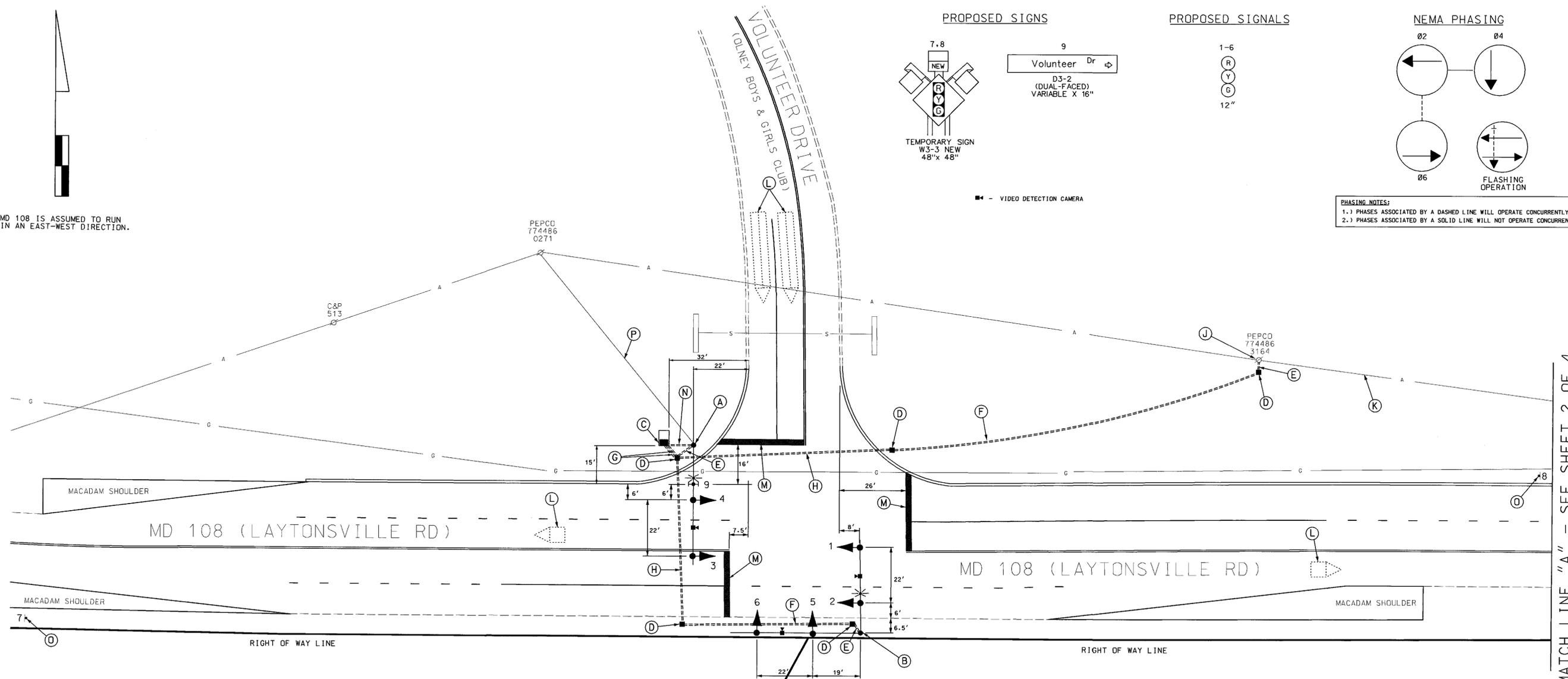


NEMA PHASING



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

VIDEO DETECTION CAMERA



CONSTRUCTION DETAILS

- A. Install 27' steel pole with a 50' (cut to 45') mast arm, traffic signal heads, sign, 15' lighting arm with a 250W-HPS luminaire, video detector camera and control and distribution as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend and 1-2", 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 27' steel pole with twin 50'-50' (MD 108 arm cut to 38') mast arms, traffic signal heads, 15' lighting arm with a 250W-HPS luminaire and video detector cameras as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.
- D. Install handhole.
- E. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- F. Install 2-3" polyvinyl chloride electrical conduits (Schedule 80) (trenched).
- G. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- H. Install 2-4" polyvinyl chloride electrical conduits (Schedule 80) (slotted) (both 4" conduits in the same slot).
- J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) riser. Install interconnect cable 1' above existing CATV cable.
- K. Install overhead 50-pair interconnect cable (self supporting).
- L. Proposed video detection area.
- M. Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline).
- N. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched) for electrical service.
- O. Install ground mounted W3-3 new sign 475' prior to stopline as shown.
- P. Proposed overhead electrical service by PEPCO.

GENERAL NOTES:

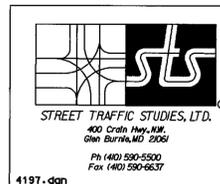
- 1. The proposed pavement markings are shown and detailed on the pavement marking plan sheet 4 of 4.
- 2. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.

**GEOMETRIC LEGEND**

PROPOSED \_\_\_\_\_  
EXISTING \_\_\_\_\_

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

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



REVISIONS	APPROVALS
	<i>Ben Bruce Thompson</i> 7-9-02 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>John H. Hols</i> ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
**Office of Traffic & Safety**  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
**MD 108 (LAYTONSVILLE RD) AND VOLUNTEER DR (OLNEY BOYS AND GIRLS CLUB)**

DRAWN BY: D.H. (FOR STS)	F.A.P. NO.	TS NO.
CHECKED BY: RRZ (FOR STS)	S.H.A. NO.	4189
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. E-761
DATE: 7-5-02	LOG MILE:	SHEET NO. 1 OF 4

MATCH LINE "A" - SEE SHEET 2 OF 4