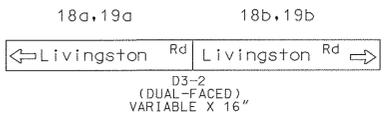
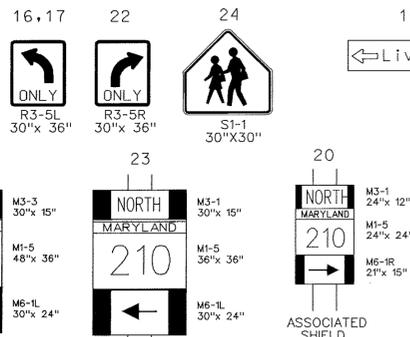
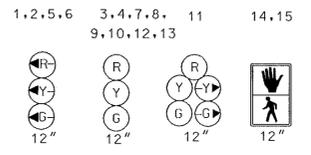


NOTE:  
MD 210 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

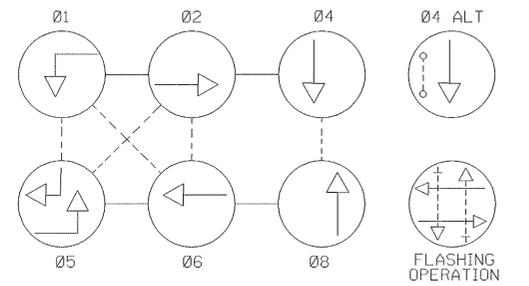
PROPOSED SIGNS



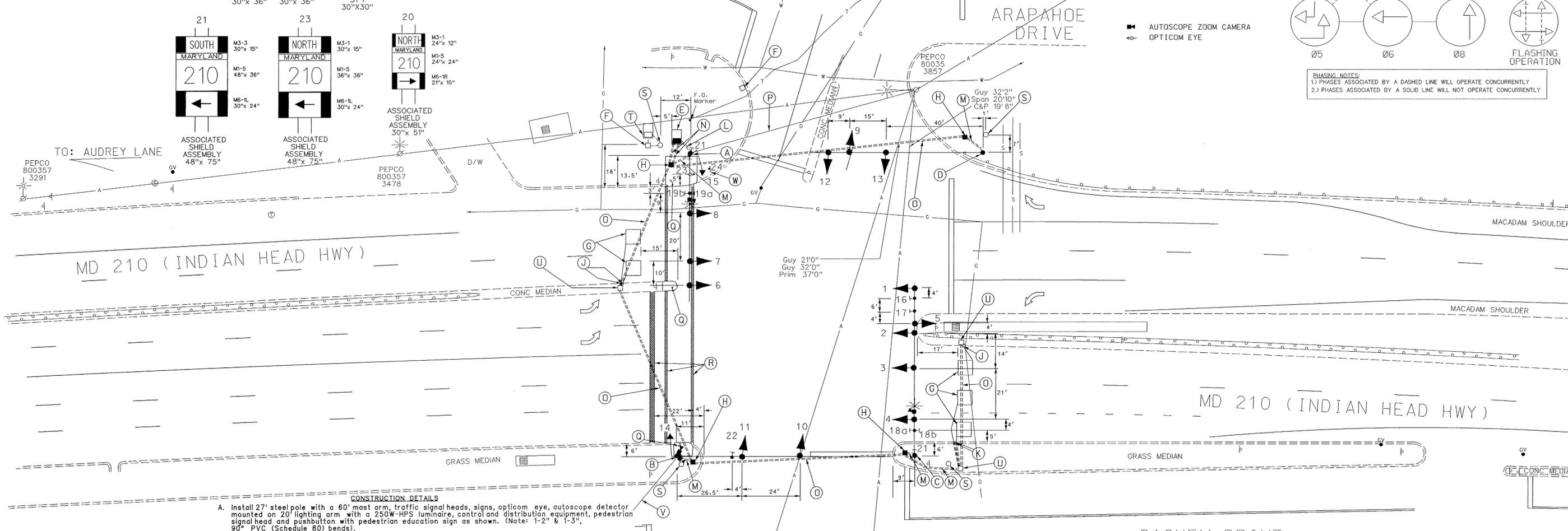
PROPOSED SIGNALS



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



CONSTRUCTION DETAILS

- A. Install 27' steel pole with a 60' mast arm, traffic signal heads, signs, opticom eye, autoscope detector mounted on 20' lighting arm with a 250W-HPS luminaire, control and distribution equipment, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-2" & 1-3", 90° PVC (Schedule 80) bends).
- B. Install 27' steel pole with a 60' mast arm, traffic signal heads, signs and two pole mounted autoscope detectors, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° PVC (Schedule 80) bend).
- C. Install 27' steel pole with a 70' mast arm, traffic signal heads, signs, autoscope detector mounted on 20' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90° PVC (Schedule 80) bend).
- D. Install 27' steel pole with a 70' mast arm, traffic signal heads and sign as shown. (Note: 1-3", 90° PVC (Schedule 80) bend).
- E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown. (Note: 2-2" & 2-4", 90° PVC (Schedule 80) bends).
- F. Remove existing handhole.
- G. Install 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).
- H. Install electrical handhole.
- J. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- K. Install 1" galvanized steel electrical conduit for detector sleeve.
- L. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched for service).
- M. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- N. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- O. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- P. Proposed overhead electrical service by PEPCO.
- Q. Remove existing curb and gutter, replace with depressed curb and gutter with concrete standing pad as shown. Depress nose of existing median.
- R. Remove existing pavement markings and install new crosswalk and stopline as shown.
- S. Remove existing pole ( foundation 12" below grade), span and signal equipment.
- T. Remove existing controller and cabinet, cap and abandon existing conduit.
- U. Use existing handhole, cap and abandon existing conduit.
- V. Install 12-pair voice grade overhead interconnect cable as shown on the interconnect sheet (3 of 5).
- W. Remove existing ped crossing sign and replace with new ped crossing sign.

GENERAL NOTES:

- 1. The conduits are to be installed prior to the installation of the pavement markings.
- 2. All existing conduit that is not identified shall be capped and abandoned.
- 3. All equipment removed shall become the property of the contractor unless otherwise specified.
- 4. All utilities are schematic and shall be confirmed by the contractor in the field - should a conflict arise, contact the engineer at once.



GEOMETRIC LEGEND

PROPOSED  
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A	A
ELECTRIC	C	C
TELEPHONE	T	T
GAS	S	S
SEWER	W	W
WATER	U	U
CABLE TV	V	V

REVISION "C"

STREET TRAFFIC STUDIES, LTD.  
400 Crain Hwy. NW, Gaithersburg, MD 20878  
Ph (410) 590-5500 Fax (410) 590-6637

REVISIONS	APPROVALS
C Reconstruct signal & add I/C SHA NO. XX1005885 EMM B Replace loop detectors SHA NO. SRS   DAZ A Replace loop detectors SHA NO. 855-25948 7/91	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION ASST. DISTRICT ENGINEER, TRAFFIC CHIEF TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 210 (INDIAN HEAD HWY)  
AND LIVINGSTON ROAD

DRAWN BY: W GUCKERT	F.A.P. NO. T-8006 (3)	TS NO. 556 C	SHEET NO. 2 OF 5
CHECKED BY:	S.H.A. NO. XX1005885	T.I.M.S. NO. D396	
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	LOG MILE: 16121013.97	