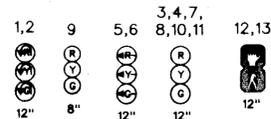
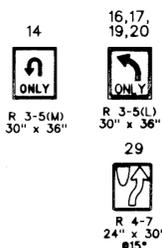


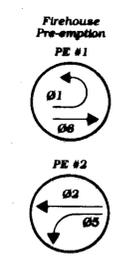
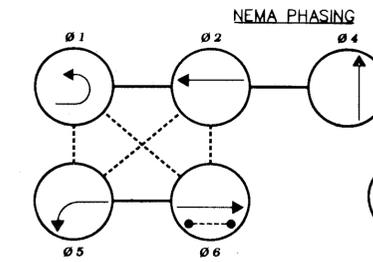
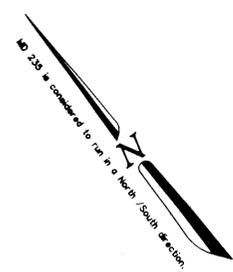
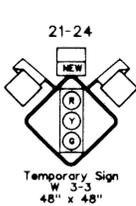
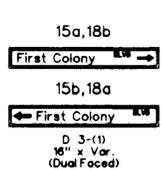
SIGNALS



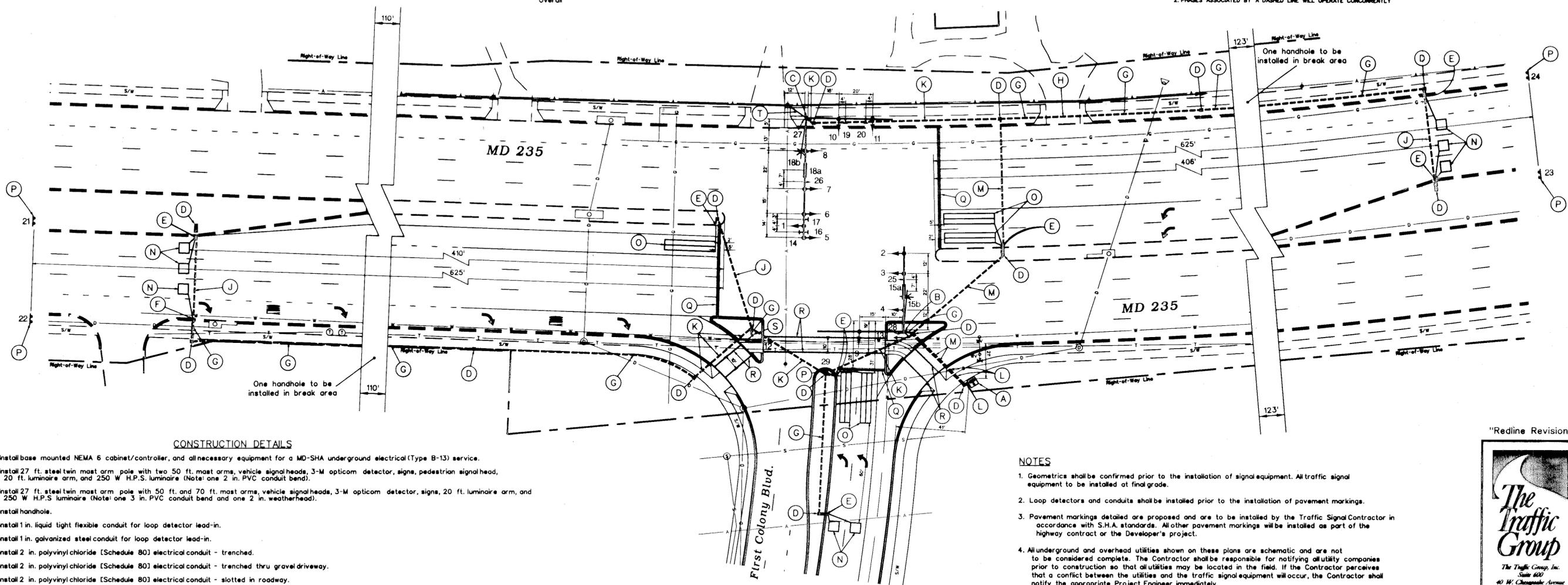
OPTICOMS
25,26



SIGNS



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 base mounted NEMA 6 cabinet/controller, and all necessary equipment for a MD-SHA underground electrical (Type B-13) service.
- B. Install 27 ft. steel twin mast arm pole with two 50 ft. mast arms, vehicle signal heads, 3-M opticom detector, signs, pedestrian signal head, 20 ft. luminaire arm, and 250 W H.P.S. luminaire (Note: one 2 in. PVC conduit bend).
- C. Install 27 ft. steel twin mast arm pole with 50 ft. and 70 ft. mast arms, vehicle signal heads, 3-M opticom detector, signs, 20 ft. luminaire arm, and 250 W H.P.S. luminaire (Note: one 3 in. PVC conduit bend and one 2 in. weatherhead).
- D. Install handhole.
- E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- F. Install 1 in. galvanized steel conduit for loop detector lead-in.
- G. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
- H. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched thru gravel driveway.
- J. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted in roadway.
- K. Install 3 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
- L. Install 4 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
- M. Install 4 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted in roadway.
- N. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
- O. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- P. Install ground mounted sign as shown.
- Q. Install 24 in. wide pavement marking - white for stop line.
- R. Install 12 in. wide pavement marking - white for crosswalk.
- S. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head.
- T. Use existing coiled interconnect cable. Run to cabinet.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal equipment to be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Traffic Signal Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract or the Developer's project.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies 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 equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

REDLINE REVISION DATE:

SD 9 of SD 10

"Redline Revision"

The Traffic Group, Inc.
State 600
40 W. Chesapeake Avenue
Towson, Maryland 21284
410-583-8405
1-800-583-8411
Fax 410-521-8458
Job No. M2004
SIGPLAN.DGN

GEOMETRIC LEGEND		REVISIONS		APPROVALS	
---	EXISTING GEOMETRICS				
---	PROPOSED GEOMETRICS				
UTILITY LEGEND					
---	GAS MAIN				
---	WATER MAIN				
---	SEWER MAIN				
---	ELECTRIC CABLES				
---	STORM DRAIN				
---	AERIAL CABLES				
---	TELEPHONE CABLES				

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 235 at First Colony Blvd.

DATE: January 6, 1998
DRAWN BY: J. Dirndorfer
CHK. BY: [Signature]
SCALE: 1" = 30'

LOG MILE
PLAN SHEET NO.
SHEET NO. 1 of 2

F.A.P. NO. N/A
S.H.A. NO. SM768A23
COUNTY: St. Mary's