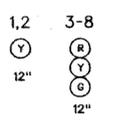
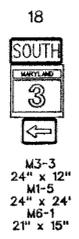
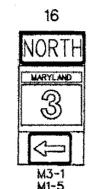
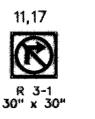
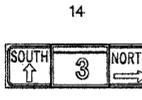
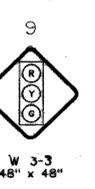
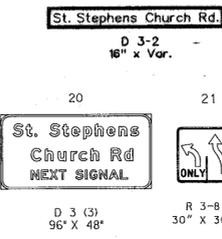


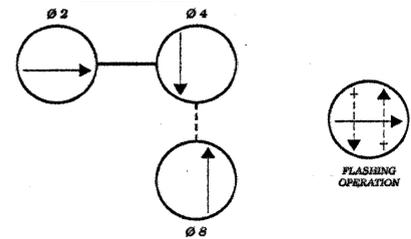
**SIGNALS**



**SIGNS**

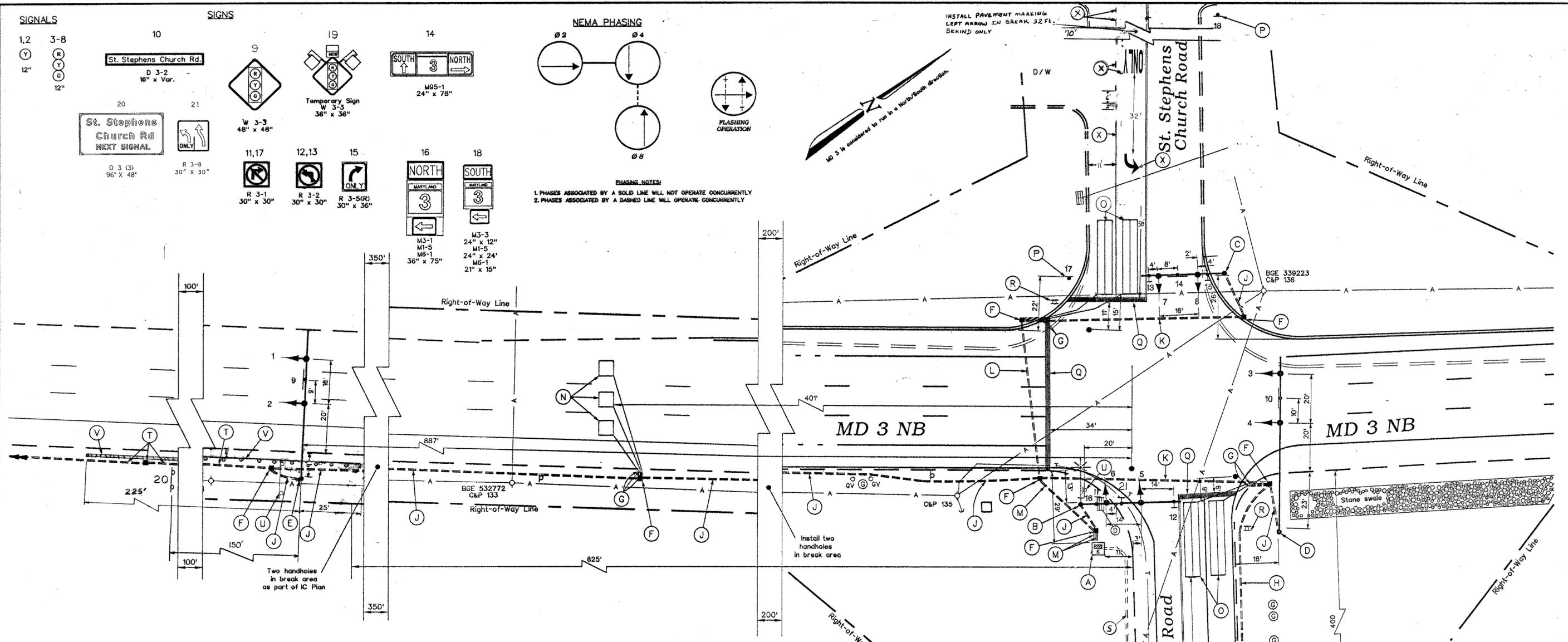


**NEMA PHASING**



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

INSTALL PAVEMENT MARKING LEFT ARROW IN BREAK 32 FT. BEHIND ONLY



**CONSTRUCTION DETAILS**

- A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground MD-SHA (Type B-2) electrical service.
- B. Install 27 ft. steel mast arm pole with a 40 ft. (cut from a 50 ft.) mast arm, vehicle signal heads, signs, 15 ft. luminaire arm, and 250 watt HPS luminaire as shown (Note: one 3 in. PVC conduit bend).
- C. Install 27 ft. steel mast arm pole with a 38 ft. mast arm, vehicle signal heads, and signs as shown (Note: one 3 in. PVC conduit bend).
- D. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, and sign as shown (Note: one 3 in. PVC conduit bend).
- E. Install 27 ft. steel mast arm pole with a 80 ft. mast arm, vehicle signal heads and signs as shown (Note: one 3 in. PVC conduit bend).
- F. Install handhole.
- G. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- N. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
- O. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-8-3 turns).
- P. Install ground mounted sign as shown.
- Q. Install 24 in. wide pavement marking - white for stop line.
- R. Remove existing stop sign. Existing one-way to remain.
- S. Install 4 in. Polyvinyl chloride [Schedule 80] electrical conduit - trenched for proposed underground electrical service by BGE.
- T. Installed as part of Interconnect Plan.
- U. Remove existing ground mounted sign.
- V. Install Traffic W-beam Barrier with type "C" end treatment, and trail end anchor.
- X. Install Pavement markings as shown.

**NOTES**

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment shall 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 Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
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.

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 3 NB at St. Stephens Church Road**

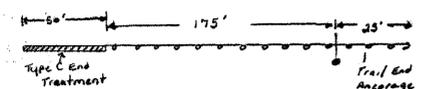
DATE: August 27, 1999 LOG MILE: 02000304.8

DRAWN BY: FJH  
 CHK. BY: [Signature]  
 SCALE: 1" = 20'

A.P. NO. N/A  
 S.H.A. NO. X-100-5585  
 COUNTY: Anne Arundel

PLAN SHEET NO. 3922  
 SHEET NO. 1 of 3

**The Traffic Group**  
 The Traffic Group, Inc.  
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 40 W. Chesapeake Avenue  
 Towson, Maryland 21284  
 410-582-8405  
 1-800-523-8418  
 Fax: 410-523-8458  
 Job No. 970727-035  
 SIGPLAN.DGN



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