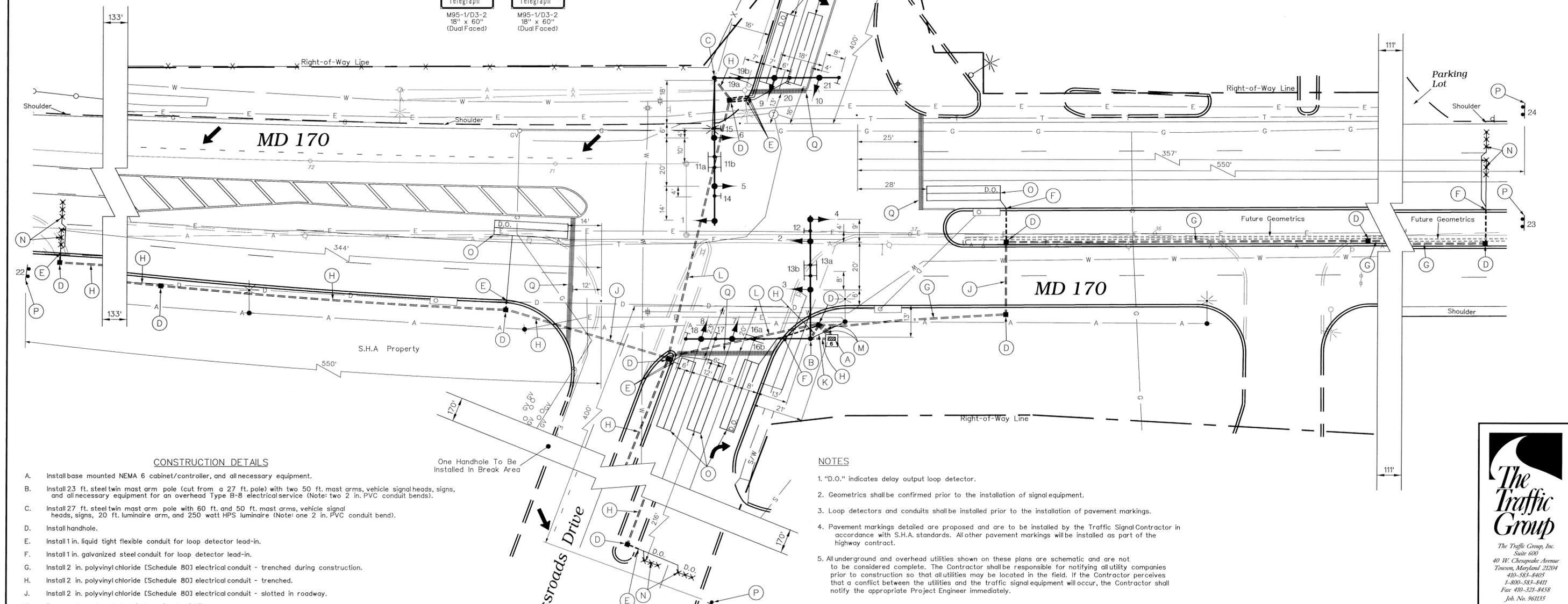
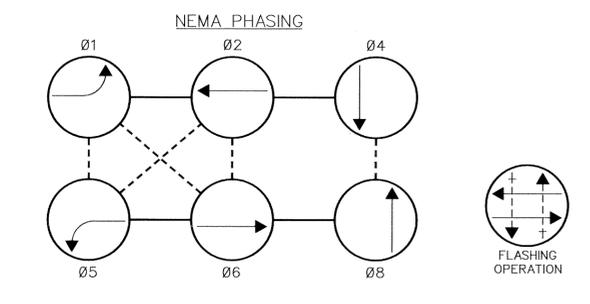
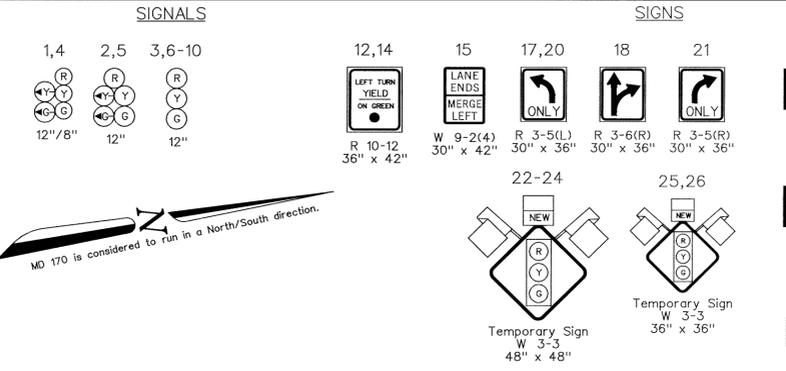


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| FHWA REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 3 | MD | | | |



CONSTRUCTION DETAILS

- A. Install base mounted NEMA 6 cabinet/controller, and all necessary equipment.
- B. Install 23 ft. steel twin mast arm pole (cut from a 27 ft. pole) with two 50 ft. mast arms, vehicle signal heads, signs, and all necessary equipment for an overhead Type B-B electrical service (Note: two 2 in. PVC conduit bends).
- C. Install 27 ft. steel twin mast arm pole with 60 ft. and 50 ft. mast arms, vehicle signal heads, signs, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 2 in. PVC conduit bend).
- 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 during construction.
- H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- J. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
- K. Proposed overhead electrical service by BGE.
- 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 micro-loop probes (set of 3).
- 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.

NOTES

- 1. "D.O." indicates delay output loop detector.
- 2. Geometrics shall be confirmed prior to the installation of signal equipment.
- 3. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
- 4. 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.
- 5. 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 | | <i>[Signature]</i> 12/15/97 ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| — — — — — PROPOSED GEOMETRICS | | <i>[Signature]</i> 12/15/97 CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| UTILITY LEGEND | | ASST. DISTRICT ENGINEER - TRAFFIC |
| — o — o — GAS MAIN | | <i>[Signature]</i> 12/15/97 DIRECTOR, OFFICE OF TRAFFIC & SAFETY |
| — w — w — WATER MAIN | | |
| — s — s — SEWER MAIN | | |
| — e — e — ELECTRIC CABLES | | |
| — d — d — STORM DRAIN | | |
| — a — a — AERIAL CABLES | | |
| — t — t — TELEPHONE CABLES | | |

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

(Traffic Signal Plan)
MD 170 at Crossroads Drive / Betson Avenue

DRAWN BY: Frank Hoeckel
DES. BY: Frank Hoeckel
CHK. BY: *[Signature]* 12-15-97

COUNTY: ANNE ARUNDEL LOG MILE: 02017000.84

DATE: December 7, 1997 F.A.P. NO.: N/A TS/STD. NO.: 3751 SHEET NO.: 9 of 10

SCALE: 1" = 20' S.H.A. NO.: BW996M82

