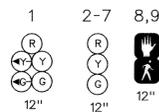
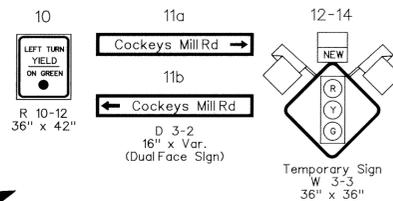


FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

**SIGNALS**

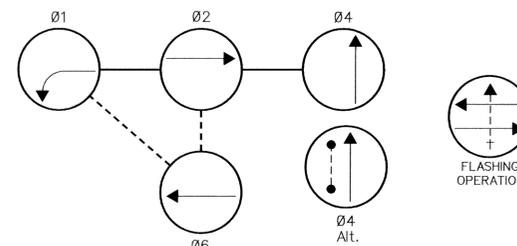


**SIGNS**



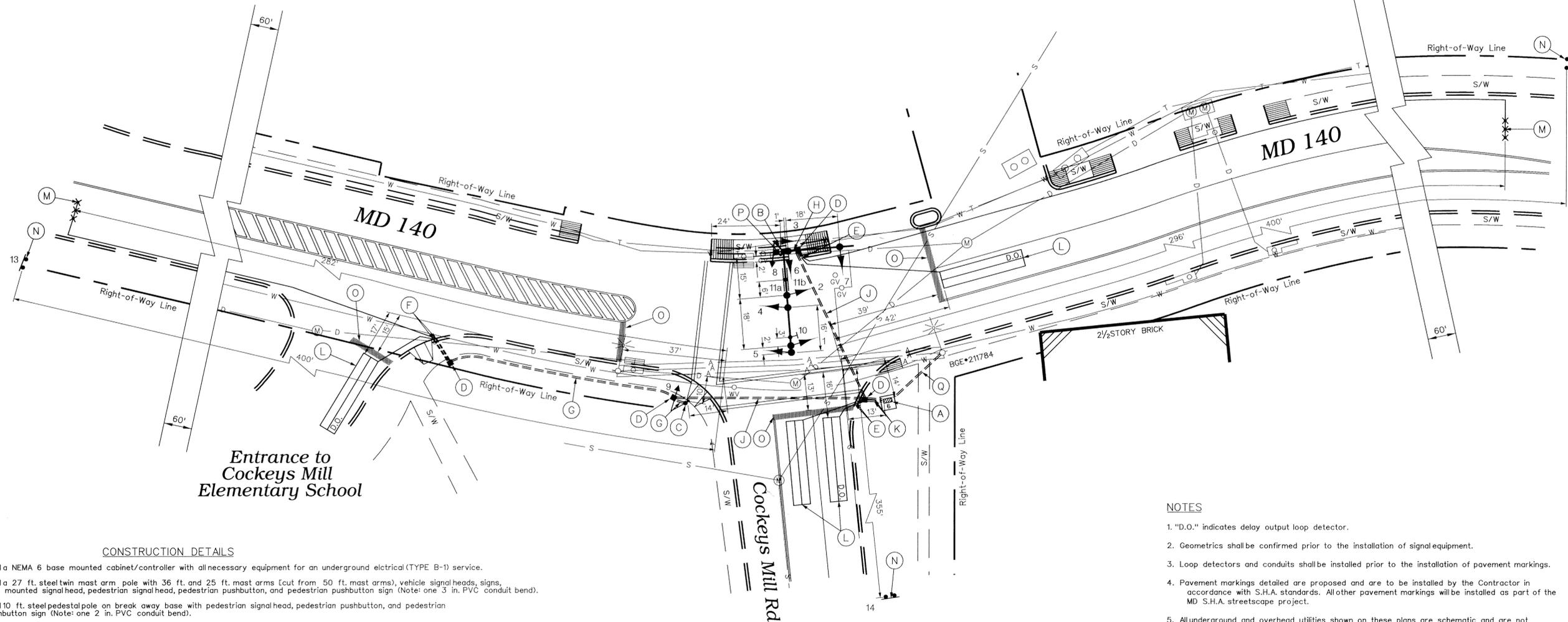
MD 140 is considered to run in a North/South direction.

**NEMA PHASING**



**PHASING NOTES:**

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

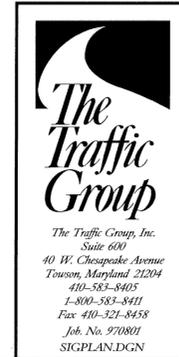


**CONSTRUCTION DETAILS**

- Install a NEMA 6 base mounted cabinet/controller with all necessary equipment for an underground electrical (TYPE B-1) service.
- Install a 27 ft. steel twin mast arm pole with 36 ft. and 25 ft. mast arms (cut from 50 ft. mast arms), vehicle signal heads, signs, pole mounted signal head, pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
- Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
- Install handhole.
- Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- Install 1 in. galvanized steel conduit for loop detector lead-in.
- Install 2 in. polyvinyl chloride [Schedule 40] electrical conduit - buried (trenched).
- Install 3 in. polyvinyl chloride [Schedule 40] electrical conduit - buried (trenched).
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - enclosed (slotted in roadway).
- Install 4 in. polyvinyl chloride [Schedule 40] electrical conduit - buried (trenched).
- Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- Install microloop probe (set of three).
- Install ground mounted sign as shown.
- Install 24 in. wide pavement marking - white for stop line.
- Replace existing light base with handhole.
- Proposed underground electrical feed by BG&E.

**NOTES**

- "D.O." indicates delay output loop detector.
- Geometrics shall be confirmed prior to the installation of signal equipment.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings.
- 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 MD S.H.A. streetscape project.
- 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.



<b>GEOMETRIC LEGEND</b> --- EXISTING GEOMETRICS = PROPOSED GEOMETRICS	<b>UTILITY LEGEND</b> G GAS MAIN W WATER MAIN S SEWER MAIN E ELECTRIC CABLES D STORM DRAIN A AERIAL CABLES T TELEPHONE CABLES	<b>REVISIONS</b> (Empty table)	<b>APPROVALS</b> ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION ASST. DISTRICT ENGINEER - TRAFFIC DIRECTOR, OFFICE OF TRAFFIC & SAFETY	<b>MDOT - STATE HIGHWAY ADMINISTRATION</b> Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION (Traffic Signal Plan)	
		DRAWN BY: Jamie Storck DES. BY: Jamie Storck CHK. BY: M. Rankin 8-12-97	<b>MD 140 at Cockeys Mill Road</b> COUNTY: BALTIMORE LOG MILE: *03014009-56		DATE: August 12, 1997 SCALE: 1" = 20'