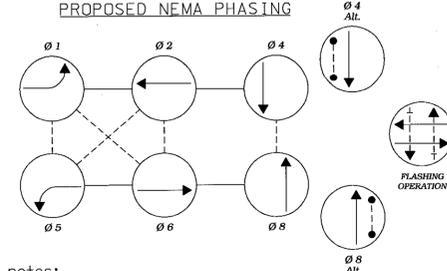


MD 528 is considered to run in a North/South direction.

- PROPOSED SIGNS**
- 17, 19: 67th St, D-3(1), 16" x Var., Dual Faced Sign
  - 18, 20: LEFT TURN YIELD ON GREEN, R 10-12, 36" x 42"
  - 21: ONLY, R 3-5(R), 30" x 36"
  - 26, 27: RIGHT LANE BUSES AND RIGHT TURNS ONLY, R 3-14(Mod), 30" x 36"
  - 22, 23: Coastal Hwy, D-3(1), 16" x Var., Dual Faced Sign
  - 24, 25: R 4-7, 18" x 24"
  - R 10-4(1), 9" x 12" (To Be Installed With Pushbutton) Sign to Read "PUSHBUTTON TO CROSS COASTAL HWY"

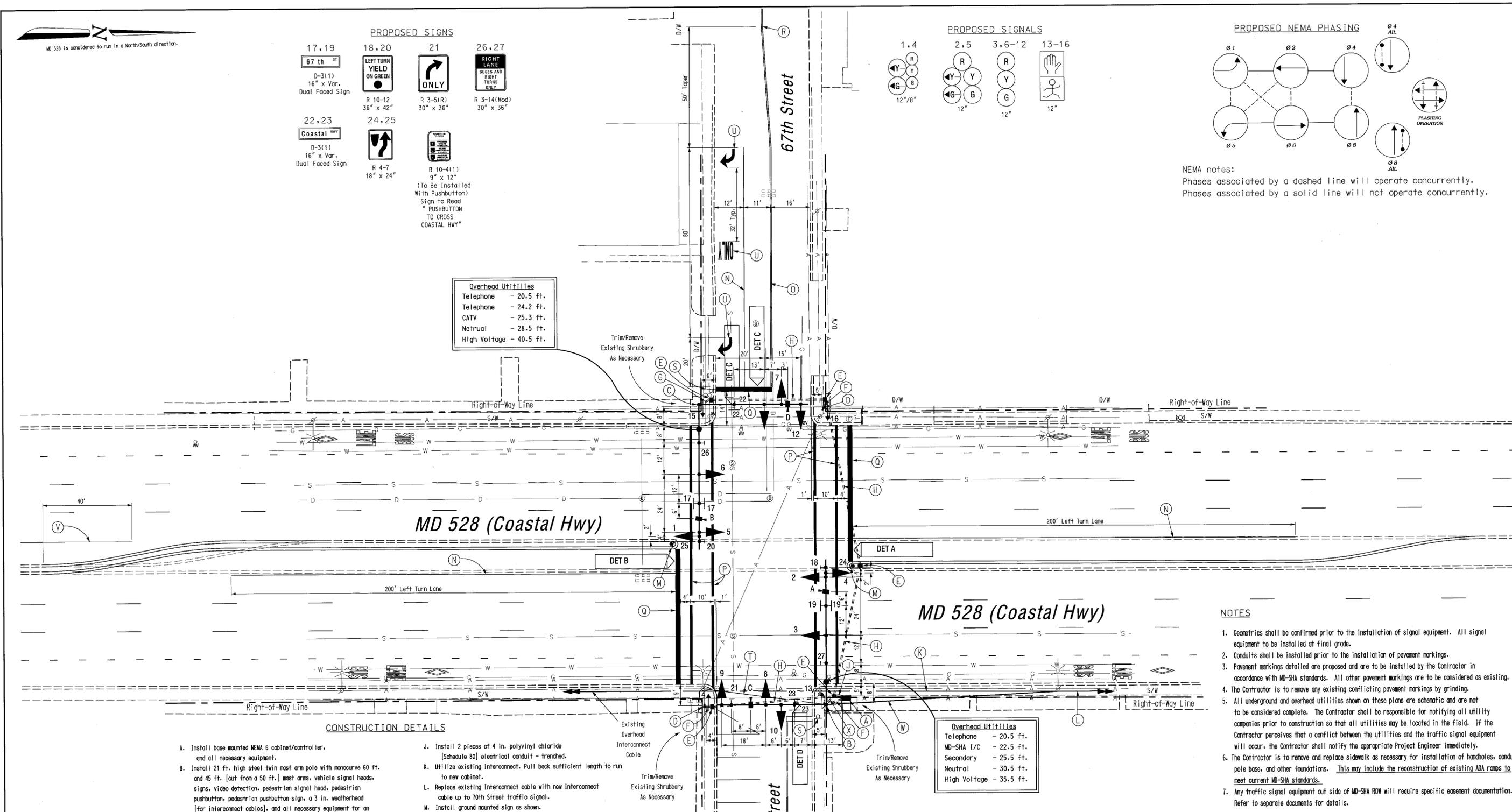
- PROPOSED SIGNALS**
- 1, 4: 12" / 8"
  - 2, 5: 12"
  - 3, 6-12: 12"
  - 13-16: 12"



**NEMA notes:**  
 Phases associated by a dashed line will operate concurrently.  
 Phases associated by a solid line will not operate concurrently.

- Overhead Utilities**
- Telephone - 20.5 ft.
  - Telephone - 24.2 ft.
  - CATV - 25.3 ft.
  - Neutral - 28.5 ft.
  - High Voltage - 40.5 ft.

- Overhead Utilities**
- Telephone - 20.5 ft.
  - MD-SHA I/C - 22.5 ft.
  - Secondary - 25.5 ft.
  - Neutral - 30.5 ft.
  - High Voltage - 35.5 ft.



- CONSTRUCTION DETAILS**
- A. Install base mounted NEMA 6 cabinet/controller, and all necessary equipment.
  - B. Install 21 ft. high steel twin mast arm pole with monoarc 60 ft. and 45 ft. [out from a 50 ft.] mast arms, vehicle signal heads, signs, video detection, pedestrian signal head, pedestrian pushbutton, pedestrian pushbutton sign, a 3 in. weatherhead [for interconnect cables], and all necessary equipment for an overhead electrical (MD-SHA Type B-11) service. (Note: one 2 in. PVC conduit bend and one 4 in. PVC conduit bend).
  - C. Install 16.5' high steel twin mast arm pole with monoarc 60 ft. and 45 ft. [out from a 50 ft.] mast arms, vehicle signal heads, signs, video detection, pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
  - D. 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).
  - E. Install handhole. (Remove/Replace sidewalk as necessary.)
  - F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
  - G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
  - H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
  - J. Install 2 pieces of 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
  - K. Utilize existing interconnect. Pull back sufficient length to run to new cabinet.
  - L. Replace existing interconnect cable with new interconnect cable up to 70th Street traffic signal.
  - M. Install ground mounted sign as shown.
  - N. Install 5 in. wide pavement marking - white for lane line.
  - D. Install 5 in. wide pavement marking - yellow for centerline.
  - P. Install 12 in. wide pavement marking - white for crosswalk.
  - Q. Install 24 in. wide pavement marking - white for stop line.
  - R. Tie to existing markings.
  - S. Remove existing RT-1 sign upon traffic signal activation.
  - T. Proposed overhead electrical service by Connectiv and overhead telephone service by Verizon.
  - U. Install pavement marking symbol as shown.
  - V. Remove existing pavement marking by grinding.
  - W. Existing and new interconnect cables run overhead to new cabinet.
  - X. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

- NOTES**
1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
  2. 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 MD-SHA standards. All other pavement markings are to be considered as existing.
  4. The Contractor is to remove any existing conflicting pavement markings by grinding.
  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.
  6. The Contractor is to remove and replace sidewalk as necessary for installation of handholes, conduits, pole base, and other foundations. This may include the reconstruction of existing ADA ramps to meet current MD-SHA standards.
  7. Any traffic signal equipment out side of MD-SHA ROW will require specific easement documentation. Refer to separate documents for details.

**GEOMETRIC LEGEND**

— — — — — EXISTING GEOMETRICS  
 — — — — — PROPOSED GEOMETRICS

**UTILITY LEGEND**

G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
D	D	STORM DRAIN
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES



REVISIONS	APPROVALS
	 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION  ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION  CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION  DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 (Traffic Signal Plan)  
 MD 528 (Coastal Hwy) at 67th Street

DRAWN BY: J. Dirndorfer	F.A.P. NO. N/A	TS NO. 4296	SHEET NO. 1 OF 2
CHECKED BY: A. Baker	S.H.A. NO. BW996M82	T.I.M.S. NO. G029	
SCALE: 1" = 20'	COUNTY: Worcester		
DATE: January 23, 2004	LOG MILE: 230528.04.42		

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