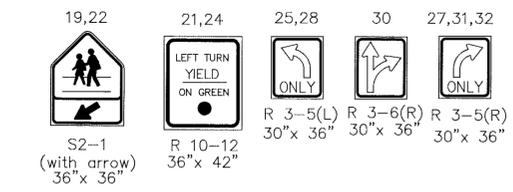
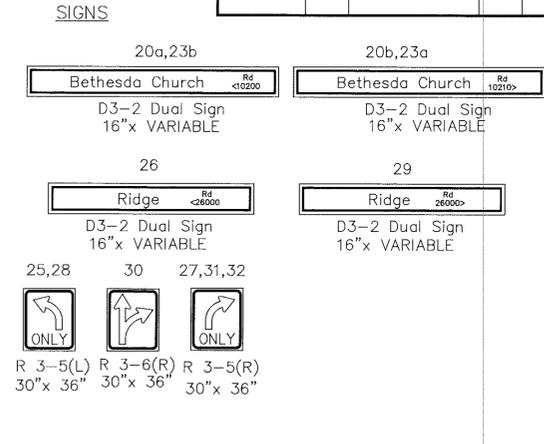
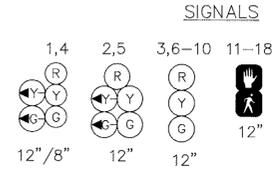
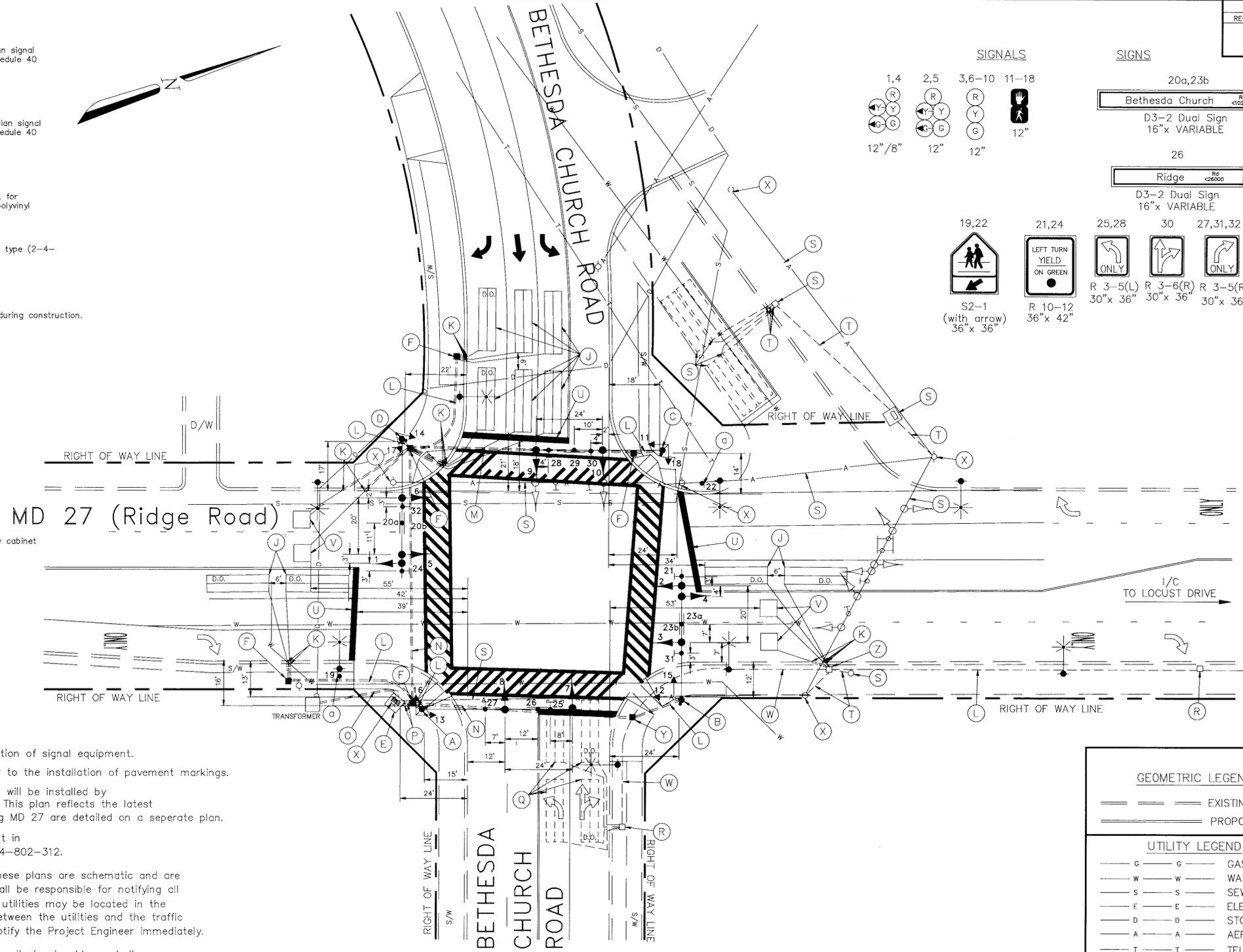


FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.			

CONSTRUCTION DETAILS

- A. Install 21' bronze pole with 56' mast arm, signal heads, signs, pedestrian signal heads, pushbutton and pushbutton sign (Note: one-2", 90-degree, Schedule 40 polyvinyl chloride bend).
- B. Install 21' bronze pole with a 44' mast arm, signal heads, signs, pedestrian signal heads, pushbutton, and pushbutton sign (Note: one-2" 90-degree, Schedule 40 polyvinyl chloride bend).
- C. Install 21' bronze pole with a 46' mast arm signal heads, signs, pedestrian signal heads, pushbutton, and pushbutton sign (Note: one-2" 90-degree, Schedule 40 polyvinyl chloride bend).
- D. Install 21' bronze pole with a 48' mast arm signal heads, signs, pedestrian signal heads, pushbutton and pushbutton sign (Note: one-2", 90-degree, Schedule 40 polyvinyl chloride bend).
- E. Install base mounted cabinet and controller with all necessary equipment for underground electrical service. (Note: two-4", 90-degree, schedule 40 polyvinyl chloride bend).
- F. Install handhole.
- J. Install 6' x 22' loop detector encased in 1/4" flexible tubing, quadrupole type (2-4-2) turns.
- K. Install 1" flexible non-metallic electrical conduit for detector lead-in.
- L. Install 2" (Schedule 40) polyvinyl chloride electrical conduit - trenched.
- M. Install 3" (Schedule 80) polyvinyl chloride electrical conduit - trenched during construction.
- N. Install 4" (Schedule 80) polyvinyl chloride electrical conduit - slotted.
- O. Proposed underground feed by Potomac Edison.
- P. Install 4" (Schedule 40) polyvinyl chloride electrical conduit - trenched.
- Q. Use existing loop detectors.
- R. Use existing handhole.
- S. Remove existing traffic signal equipment.
- T. Cap and abandon existing conduit.
- U. Install preformed pavement marking-white, 24" wide for stop line.
- V. Install 6' x 6' loop detector encased in 1/4" flexible tubing (3 turns).
- W. Use existing conduit.
- X. Remove wood pole.
- Y. Install handhole on existing conduit. Pull back existing 2-conductor (aluminum shielded) and rerun through new conduit to new cabinet (see wiring diagram).
- Z. Use existing handhole and pull back existing interconnect cable and rerun through new conduit to new cabinet.
- a. Install ground mounted sign as shown (Note: see signs Nos.: 19,22)



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 conduit shall be installed prior to the installation of pavement markings.
- 4. The pavement markings for Bethesda Church Road will be installed by Montgomery County Department of Transportation. This plan reflects the latest information available. The pavement markings along MD 27 are detailed on a separate plan.
- 5. Revision 'A' is a revision to the traffic signal built in JUNE 6, 1990 under Contract S.H.A. No.: BW-364-802-312.
- 6. 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 Project Engineer immediately.
- 7. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
- 8. Disconnecting and splicing of interconnect cable shall be performed by Montgomery County Forces and shall take place on the day of the signal changeover. The contractor shall run the interconnect cable into the base of each cabinet and properly tag the cable. Contact Mr. Emil Wolanin at (301) 217-2208 seventy-two (72) hours in advance of the intended work.

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

Revision 'A'

The Traffic Group, Inc.
Suite 600
40 W. Chesapeake Avenue
Towson, Maryland 21204
410-583-8405
1-800-583-8411
Fax 410-321-8458
Job No. 941106

REVISIONS	APPROVALS
	ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER - TRAFFIC
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 15002706.30

TRAFFIC SIGNAL PLAN
MD 27 AND BETHESDA CHURCH RD
COUNTY: MONTGOMERY

DRAWN BY: W. J. NIES
DES. BY: R.R. ZACHERL
CHK. BY:

DATE: 06-06-90 F.A.P. NO.
SCALE: 1" = 20' S.H.A. NO. BW-364-802-312

TS/STD. NO. 3062A-P SHEET NO. OF

Rebuild due to Reloc. of Bethesda Church Rd S.H.A. No. BW-760-802-312 M.A.M. 1/14/95