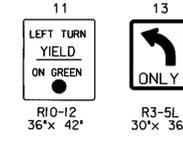
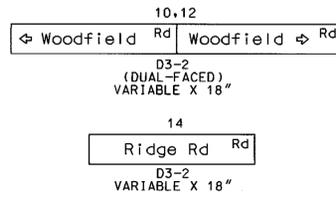
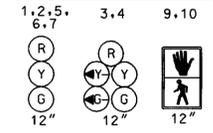


NOTE: MD 27 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

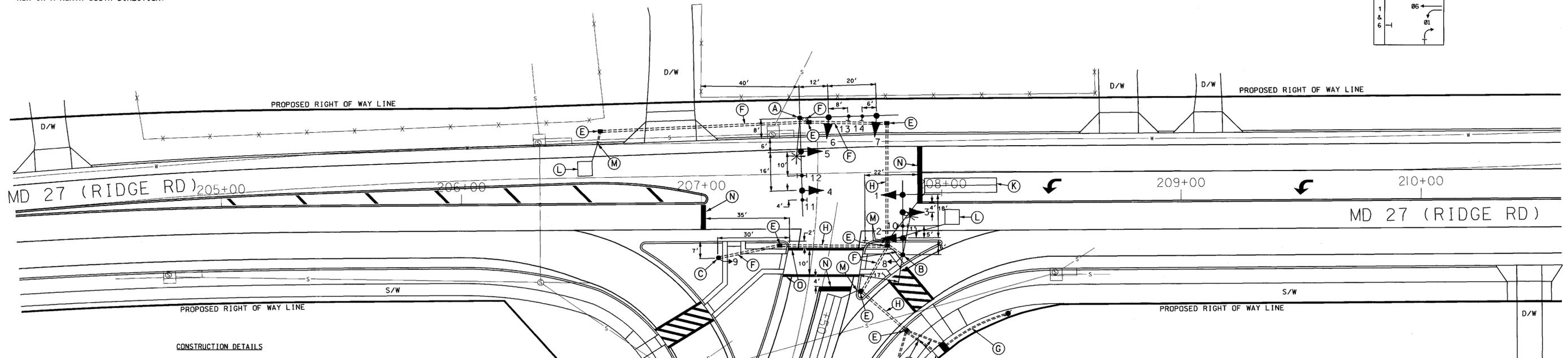
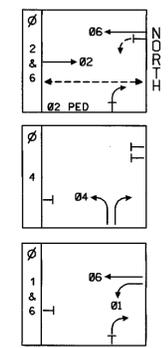
PROPOSED SIGNS



PROPOSED SIGNALS



PHASING



CONSTRUCTION DETAILS

- A. Install 27' steel pole with 40' mast arms, traffic signal heads, signs, 20' lighting arm with a 250W-HPS luminaire, as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bends.)
- B. Install 27' steel pole with a 30' mast arm, traffic signal heads, sign, pedestrian signal head, pedestrian education sign and 20' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install 14' breakaway pedestal pole with traffic signal head as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bends.)
- D. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown. (Note: 2-2", 90° polyvinyl chloride (Schedule 80) bend, and 2-4", 90° polyvinyl chloride (Schedule 80) bends.)
- E. Install handhole.
- F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- G. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- H. Install two (2)-4" polyvinyl chloride electrical conduit (Schedule 80) in same slot.
- J. Install two (2)-4" polyvinyl chloride electrical conduit (Schedule 80) in same trench.
- K. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- L. Install 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).
- M. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- N. Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline).
- O. Install 12" white, heat applied permanent preformed thermoplastic pavement marking (crosswalk).
- P. Install 1" galvanized electrical conduit (detector wire sleeve).

GENERAL NOTES:

1. The loop detectors and conduit are to be installed prior to the installation of the pavement markings.
2. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" 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 will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
3. All pavement markings detailed are proposed and are to be installed by the Contractor in accordance with SHA standards. Undetailed pavement markings and all ground mounted signs shall be installed by others.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	—A—A—
ELECTRIC	—E—E—
TELEPHONE	—T—T—
GAS	—G—G—
SEWER	—S—S—
WATER	—W—W—
CABLE TV	—TV—TV—

REVISIONS	APPROVALS
	 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 3/15/04
	 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 3/15/04
	 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	 DIRECTOR, TRAFFIC & SAFETY

SHA# BNL611M83

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 27 AND WOODFIELD ROAD EXTENDED

DRAWN BY: D.A. NIES	F.A.P. NO.	TS NO.	SHEET NO. 1 OF 2
CHECKED BY: J ALLEN	S.H.A. NO.	4295	
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F895	
DATE: 2-25-04	LOG MILE: 15002707.40		