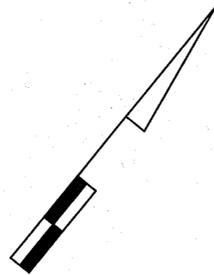


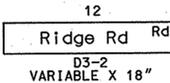
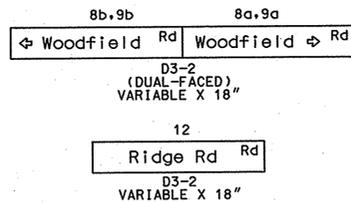
DRILL HOLES
BORER REV. DATE: June 1, 2004

DRILL HOLES

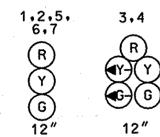
DRILL HOLES



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



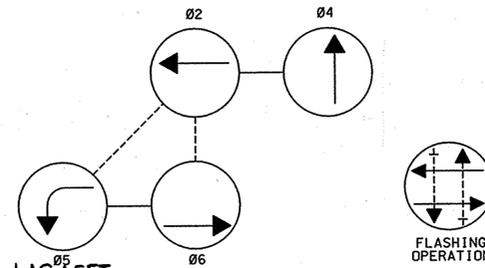
PROPOSED SIGNALS



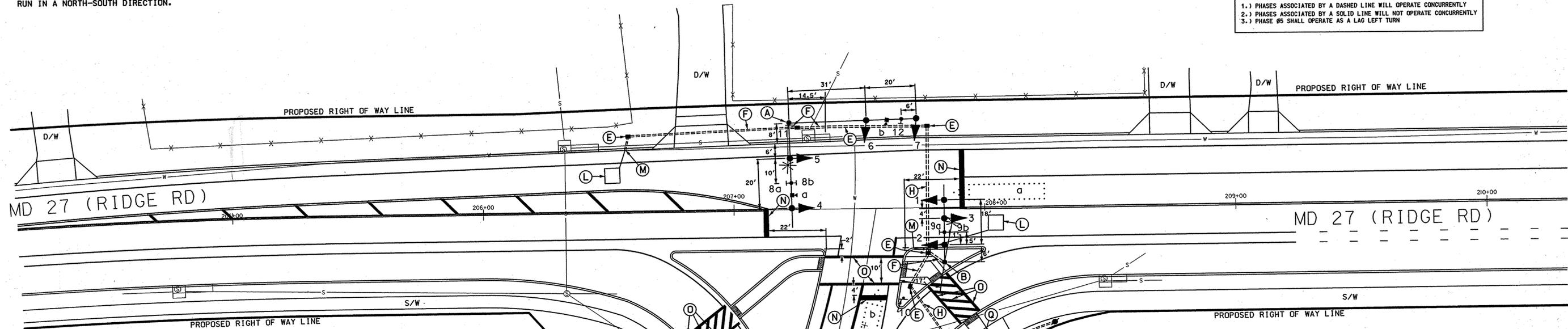
ALL SIGNAL HEADS SHALL BE L.E.D.

■ - VIDEO DETECTION CAMERA (a,b)

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
3.) PHASE 05 SHALL OPERATE AS A LAG LEFT TURN



CONSTRUCTION DETAILS

- A. Install 27' steel pole with twin 40'/60' 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, countdown pedestrian signal head, APS pushbutton and pedestrian education sign (R-10-4 (1)), and 20' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of 3 wire 1 conductor (No. 250 KCMIL) for proposed underground electrical power service by PEPCO to be determined. (See wiring diagram on General Information Sheet.)
- 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 metered service pedestal.
- 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).
- Q. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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.
- 4. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- 5. The approved plans are good for one year from the date of the signature after which the plans are null and void. After one year the plans must be resubmitted to the SHA Traffic Engineering Design Division for review.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---

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

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., NW
Creston, MD 21117
Ph (410) 590-5500
Fax (410) 590-6637
4343.dgn

APPROVALS	REVISIONS
<i>William S. Smith</i> 4/26/07 TEAM LEADER	
<i>William S. Smith</i> 4/26/07 ASST. DIV. CHIEF	
<i>William S. Smith</i> 4/26/07 DIVISION CHIEF	
<i>William S. Smith</i> 4/26/07 OFFICE DIRECTOR	

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 27 AND WOODFIELD ROAD EXTENDED

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 4-26-07 CONTRACT NO. BW611M03

DESIGNED BY JAMES ALLEN JR. COUNTY MONTGOMERY
DRAWN BY D.A. NIES LOGMILE 15002707.40
CHECKED BY *SMH* TMS NO. F895
F.A.P. NO. TOD NO.

TS NO. 4295 DRAWING NO. OF SHEET NO. 149 OF 195

PLOTTED: #DATE# TIME# FILE# #FILE#