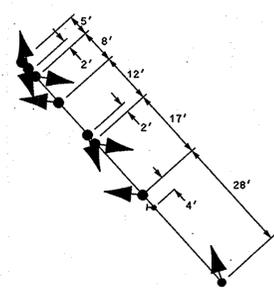
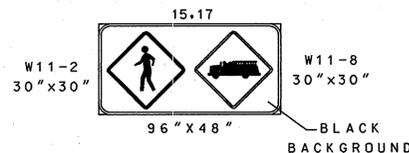


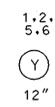
SIGNAL HEAD DIMENSIONS



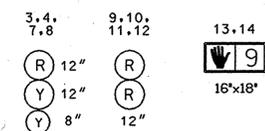
PROPOSED SIGNS



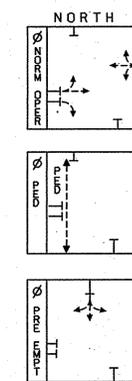
EXISTING SIGNALS



PROPOSED SIGNALS



PHASING



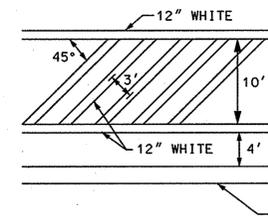
NOTE: MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

SIGNS 15 & 17 ARE SHOWN ON SHEET 2 OF 3

NOTE: SIGNAL HEADS 1, 2, 5 & 6 ARE SHOWN ON SHEET 2 OF 3

VIDEO DETECTION CAMERA (A-B)

CROSSWALK AND STOPLINE DIMENSION TYPICAL



CONSTRUCTION DETAILS

- A. Install 27' steel pole with a 70' mast arm, traffic signal heads, sign, 20' lighting arm with video detector cameras as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 10' breakaway pedestal pole, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.) Remove existing landscaping edging in the area of the proposed pole.
- C. Install handhole.
- D. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- E. Remove existing brick sidewalk and replace after the installation of proposed conduit.
- F. Use existing NEMA size "6" base-mounted cabinet and controller.
- G. Remove existing crosswalk and install 12" white, heat applied permanent preformed thermoplastic pavement marking (crosswalk with crosshatching).
- H. Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopbar).
- J. Proposed video detection area.
- K. Use existing handhole.
- L. Use existing conduit.
- M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
- N. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- O. Use existing utility pole for the installation of both proposed and rerouted interconnect cable.
- P. Maintain existing overhead interconnect cable and 7 conductor cable for H.I.B.
- Q. Replace existing overhead interconnect cable and maintain existing 7 conductor cable for H.I.B.
- R. Remove existing curb and gutter and install depressed curb and gutter. Remove existing brick and excavate, reinstall brick creating a handicapped ramp with a 2'x4' section of the curb having bricks with truncated domes.
- S. Remove existing curb and gutter and install new Type "A" curb and gutter and depressed curb and gutter (22' radius) as shown. Install handicapped ramp and sidewalk as shown. Handicapped ramp shall have 2'x4' truncated domes.
- T. Cut existing overhead interconnect cable at this pole. Pull back and reroute interconnect cable into existing base mounted cabinet on Meeting House Rd.
- U. Maintain existing 7 conductor cables from H.I.B.'s. Install proposed 12-pair overhead interconnect cable and reroute existing overhead interconnect cable.
- V. Remove existing pedestrian crossing sign.
- W. Existing underground electrical service by PEPCO.

GENERAL NOTES:

1. 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.
2. All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed intersections, highest roadway grade for open sections, to meet clearances as specified in MD 818.01, MD 818.02, MD 818.03 & MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. Proposed crosswalks are to be centered on the proposed handicapped ramps.

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

SHA: M0314A51055

REVISIONS

REVISION "A"	INSTALL COMBINATION FIREHOUSE / PED XING SIGNAL SHA NO. AT1185185
--------------	---

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

STREET TRAFFIC STUDIES, LTD.

400 Dr. Hwy. 101, Glen Burnie, MD 21061

Ph (410) 550-5500 Fax (410) 550-6537

4525-dgn WT-10

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 108 @ BROOKE RD / MEETING HOUSE RD

TS NO. 42678

SHEET NO. 1 OF 3

DRAWN BY: Rob Cicchini

CHECKED BY: R. ZACHERL

SCALE: 1" = 20'

DATE: 7-9-03

F.A.P. NO. AT3575185

S.H.A. NO. MONTGOMERY

COUNTY: MONTGOMERY

LOG MILE: 15010815.80

T.I.M.S. NO. G102