

DRILL HOLES

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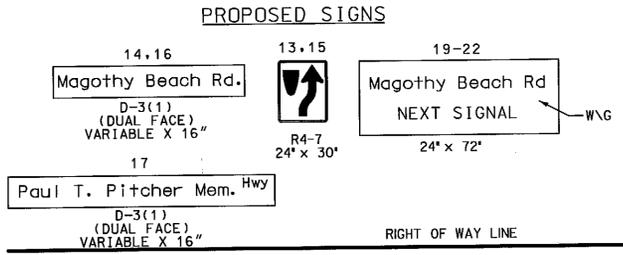
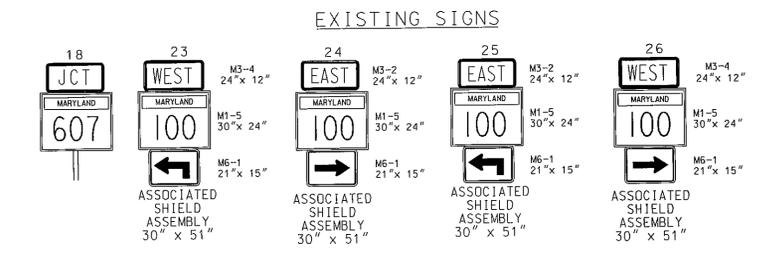
DRILL HOLES

REVISION DATE: JUN 11, 2004

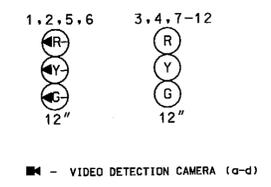
NOTE: MD 100 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

TO 1 97

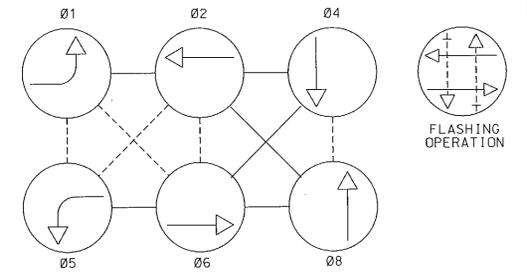
TO MD 177



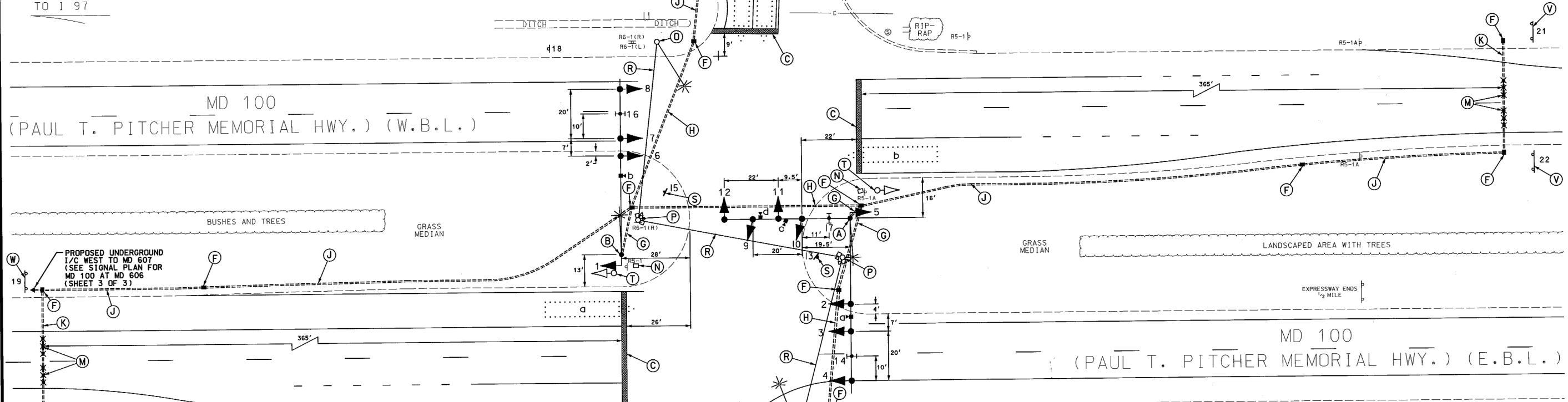
PROPOSED LED SIGNALS



NEMA PHASING



PHASING NOTES:
 1. 3 PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
 2. 3 PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



- CONSTRUCTION DETAILS**
- Install 27' steel pole with twin 70'/50' mast arms, LED traffic signal heads, signs, 15' lighting arm with 250 Watt HPS luminaire and video detection cameras as shown. (Note: 1-4" 90° polyvinyl chloride (schedule 80) bend.)
 - Install 27' steel pole with single 70' mast arm, LED traffic signal heads, signs, 15' lighting arm with 250 Watt HPS luminaire and video detection cameras as shown. (Note: 1-4" 90° polyvinyl chloride (schedule 80) bend.)
 - Install 24" white heat applied preformed thermoplastic pavement marking (Stopline)
 - Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.
 - Install metered pedestal for electrical utility service equipment.
 - Install handhole.
 - Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).
 - Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Install non-invasive micro loop probe set with 1000' lead-in cable.
 - Remove existing handhole and cap any conduit runs associated with this handhole.
 - Remove existing strain pole with foundation 12" below grade and backfill.
 - Remove existing strain pole with foundation 12" below grade and backfill. (Note: Contractor shall deliver existing video cameras to SHA Signal Shop.)
 - Remove existing pole mounted cabinet, strain pole with foundation 12" below grade and backfill. (Note: BGE shall remove existing overhead service once proposed signal is operational.)
 - Remove existing span wire and all associated equipment.
 - Install ground mounted sign on 4"x 4" wood post.
 - Remove existing pedestal pole with foundation 12" below grade and backfill.
 - Install 5" white heat applied preformed thermoplastic pavement marking. (lane line and edge line).
 - Contractor shall remove existing signs and install proposed ground mounted sign on Existing Wood Post 657' from Stopline.
 - Contractor shall remove existing signs and install proposed ground mounted sign on Existing Wood Post 623' from Stopline.

GENERAL NOTES:

- 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.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
- 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.
- The contractor shall remove all unused wiring.

TOD NO: XK353-13
 SHA NO: AA816A54/KS4
 MD 100 @ Magothy Beach Road

STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
**MD 100 (PAUL T. PITCHER MEMORIAL HWY.)
 AND MAGOTHY BEACH ROAD**
 JACOBVILLE, MARYLAND

TRAFFIC SIGNAL PLAN SCALE 1"=20' DATE 10-17-75 CONTRACT NO. AA-990-000-585	
DESIGNED BY DIMITROS ZAFIRIS DRAWN BY DIMITROS ZAFIRIS CHECKED BY AL BUDNICHUK F.A.P. NO.	COUNTY ANNE ARUNDEL LOGMILE 02010000.45 TMS NO. K596 TOD NO.
TS NO. 1379E DRAWING NO. 1 OF 2 SHEET NO. OF	

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

REVISION "D"

STREET TRAFFIC STUDIES, LTD.
 400 Crain Hwy., NW
 Glen Burnie, MD 21061
 Ph (410) 590-5500
 Fax (410) 590-6537

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
RECONSTRUCT TRAFFIC SIGNAL SHA NO. AA-990-000-585 JWA 10/17/04 D 6-24-06
REPLACE LOOP DETECTION WITH VIDEO AT7245185 JA SHJ MAR WH TH
INSTALL EXCLUSIVE LEFT-TURNS FOR EAST AND WESTBOUND MD 100 TMS#H83 AT7245185 1/92 MEL DLA DAZ ETP TH

10/17/04 9:05:10 AM 10/17/04 9:05:10 AM