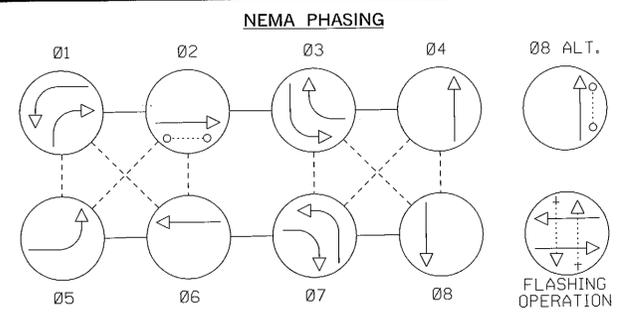
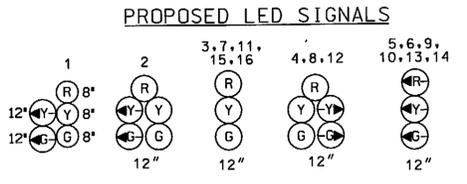
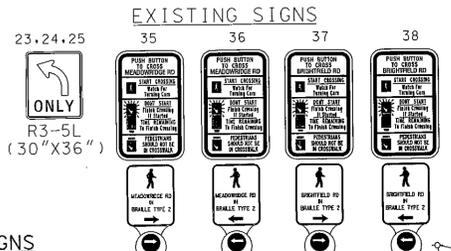
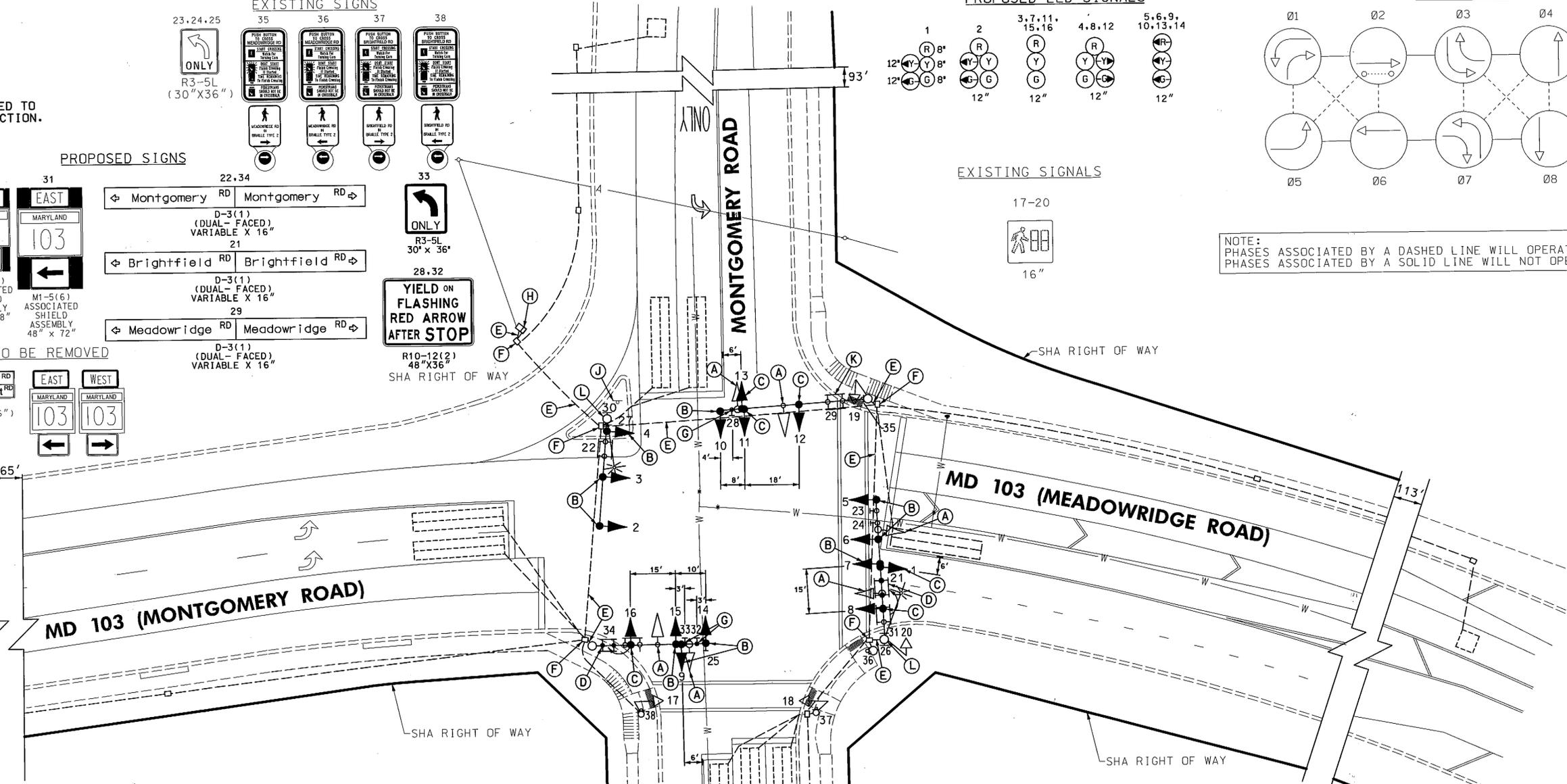
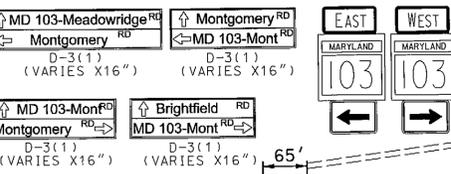
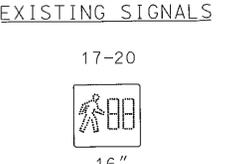
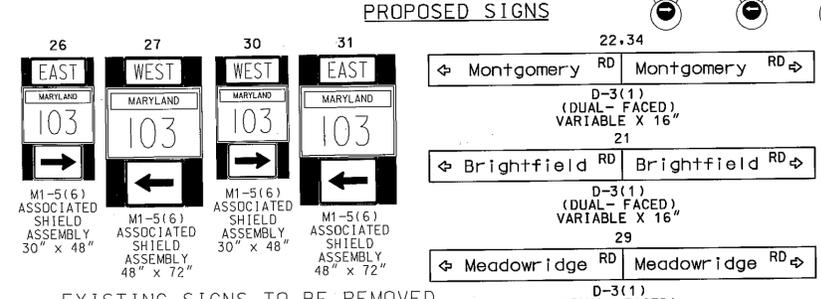


NOTE: MD 103 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



**CONSTRUCTION DETAILS**

- A. Remove existing signal head.
- B. Remove existing signal head and install Black faced LED signal head as shown.
- C. Install Black Faced LED signal head as shown.
- D. Relocate and remove existing sign and install proposed overhead sign as shown.
- E. Use existing conduit.
- F. Use existing handhole.
- G. Install overhead sign as shown.
- H. Use existing cabinet and controller.
- J. Remove existing ground mounted sign and post as shown.
- K. Remove existing overhead sign and install proposed sign as shown.
- L. Install Proposed Shield Assemblies on mast arm pole as shown.

**GENERAL NOTES:**

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.

**GEOMETRIC LEGEND**

--- EXISTING  
--- PROPOSED

**UTILITY LEGEND**

- SD - STORM DRAIN
- G - GAS MAIN
- W - WATER MAIN
- S - SEWER MAIN
- E - ELECTRIC CABLES
- A - AERIAL CABLES
- T - TELEPHONE CABLES
- F - FIBER-OPTIC

REVISION "D"

STREET TRAFFIC STUDIES, LTD.  
400 Crain Hwy., NW  
Glen Burnie, MD 21061  
Ph (410) 590-5500  
Fax (410) 590-6637

**APPROVALS**

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

**REVISIONS**

D	SHA 20449585	Upgrade signals to black face and install flashing red signal heads for side street left turns	1/7/2010
C	JANIS (10/27/99) 100 100 100	ADD APS PUSHBUTTONS AND COUNTDOWN PEDESTRIAN SIGNAL HEADS	4-08
B	MEL	PROVIDE PEDESTRIAN SIGNAL INDICATIONS ON EAST AND SOUTH LEGS	12-01

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 103 @ MONTGOMERY RD/BRIGHTFIELD RD**  
ELLICOTT CITY, MARYLAND

**TRAFFIC SIGNAL PLAN**

SCALE 1"=20' DATE 11/1994 CONTRACT NO. BW-736-802-712

DESIGNED BY S.J.R. COUNTY HOWARD  
DRAWN BY S.J.R. LOGMILE 13010303.62  
CHECKED BY TMS NO. 1883  
FAP NO. TOD NO.

TS NO. 3485C DRAWING 1 OF 2 SHEET NO. OF

BY: \$USERNAMES

1500073 1505150816.dgn 1/7/2010 8:41:11 AM