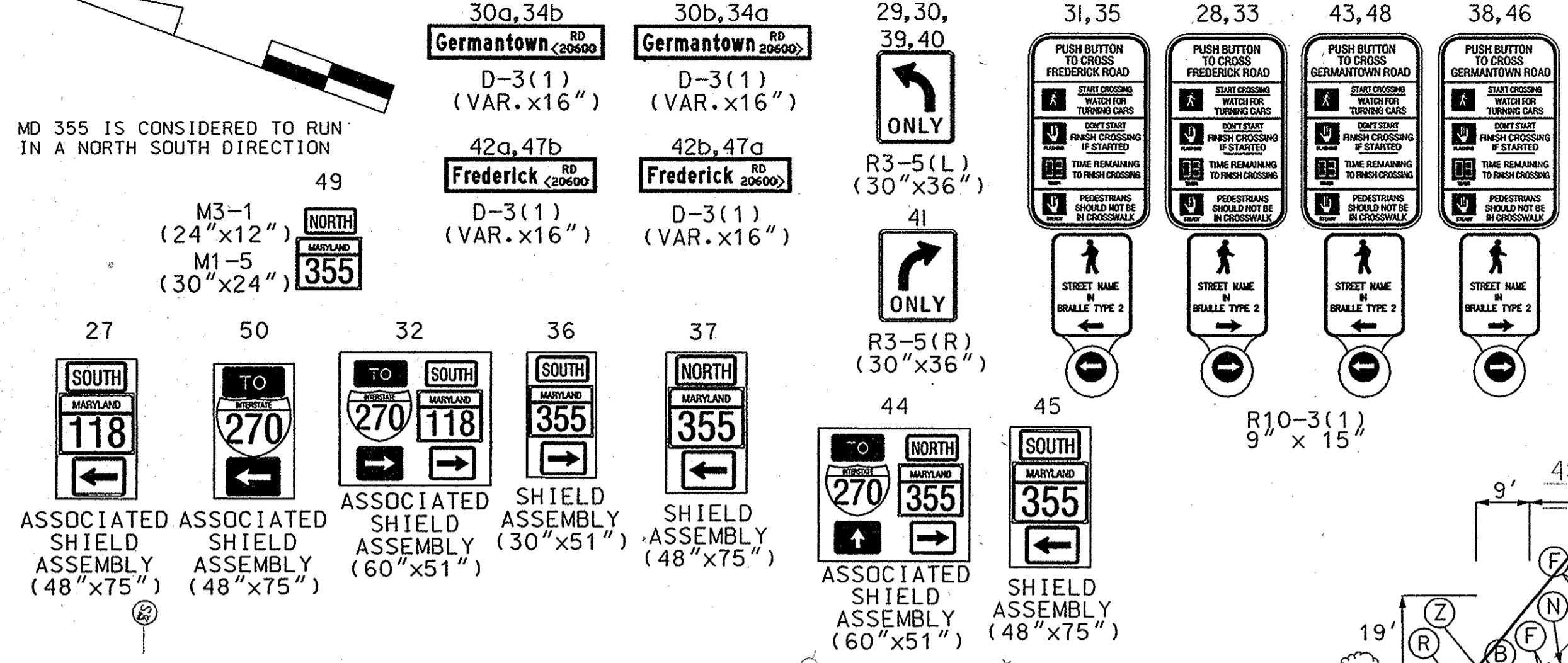
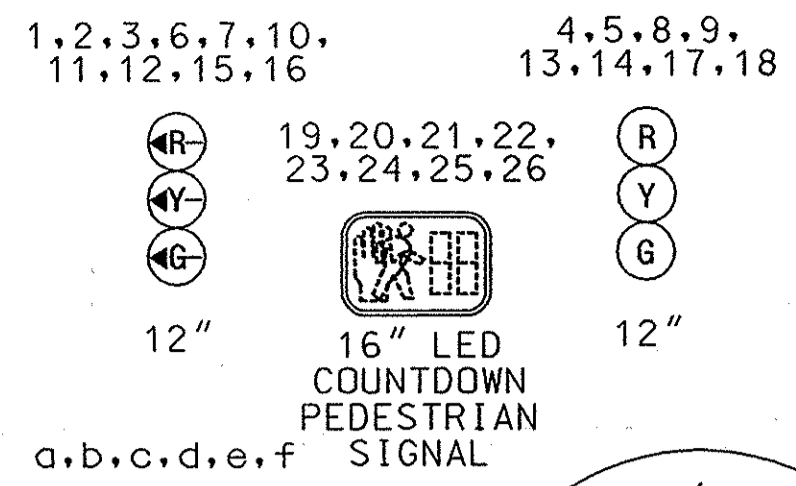


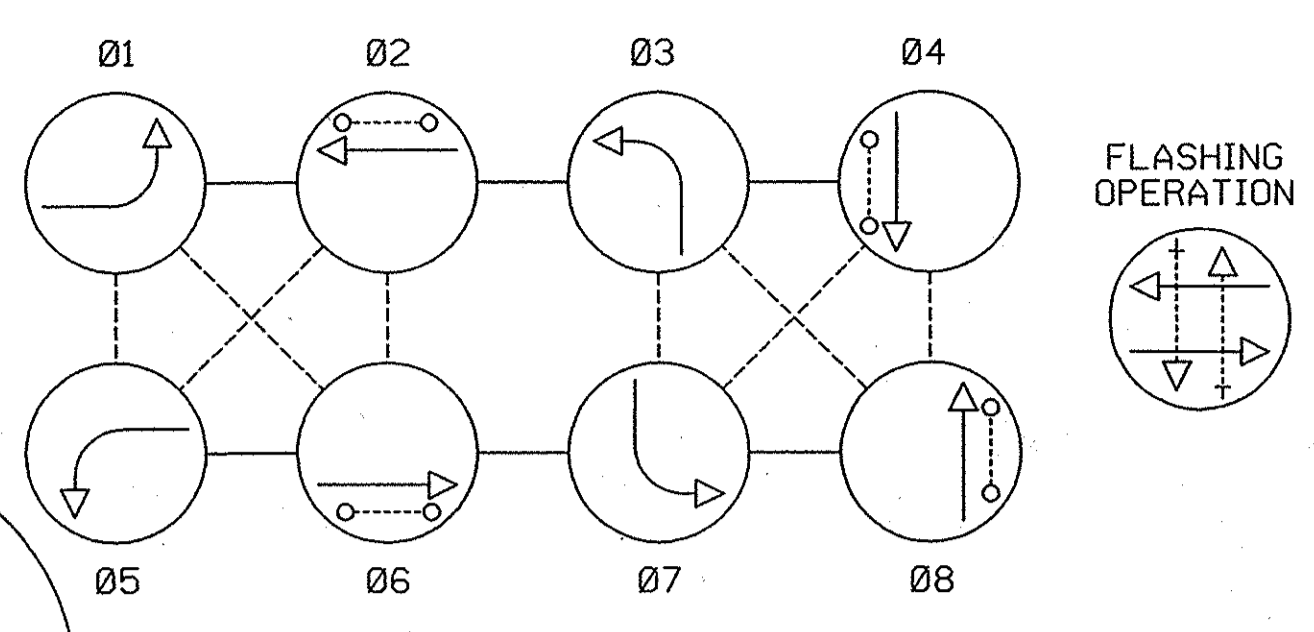
PROPOSED SIGNS



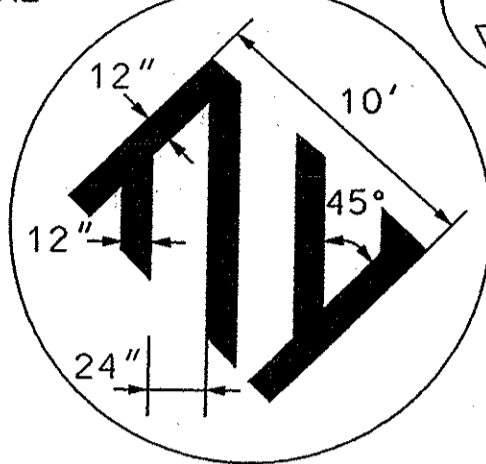
PROPOSED LED SIGNALS



NEMA PHASING



CROSSWALK DETAIL
NOT TO SCALE



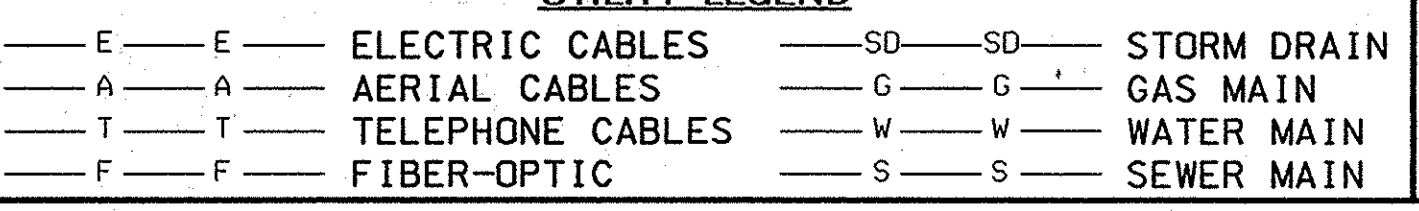
NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

INSTALL 2 SETS OF 2 ARROWS, ONE AT 225' FROM STOP LINE AND THE OTHER AT 450' FROM STOP LINE

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, OVERHEAD VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 70 FT. MAST ARM WITH PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- E. INSTALL 10 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- I. INSTALL (2) 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- J. INSTALL HANDHOLE.
- K. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- L. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- M. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING 10 FT. APART WITH 45° HATCHING AT 2 FT. SPACING FOR CROSSWALKS.
- N. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- O. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- P. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- Q. MAINTAIN EXISTING HANDHOLE.
- R. INSTALL CONCRETE FOUNDATION WITH A 15 FT. "T" STEEL POLE WITH 60 FT. MAST ARM WITH PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN, SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- S. ABANDON EXISTING LOOP DETECTOR AND REMOVE ALL UNUSED CABLES FROM CONDUITS, HANDHOLES AND THE CABINET.
- T. VIDEO DETECTION ZONE.
- U. REMOVE EXISTING PAVEMENT MARKINGS AS SHOWN.
- V. INSTALL METEDED SERVICE PEDESTAL (NOTE: 2-2 IN. AND 1-4 IN. 90 DEGREE BENDS).
- W. DISCONNECT EXISTING INTERCONNECT CABLE FROM EXISTING CONTROLLER, PULL BACK AND REROUTE INTO PROPOSED CONDUIT AND CONNECT TO NEW CONTROLLER.
- X. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, OVERHEAD VIDEO DETECTION CAMERAS AND 20 FT. LIGHT ARM (FOR MONTGOMERY COUNTY CAMERA). (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- Y. RELOCATE EXISTING CAMERA (BY MONTGOMERY COUNTY FORCES). CONTACT MIKE KINNEY AT 240-777-2100, 72 HOURS IN ADVANCE.

UTILITY LEGEND



CONSTRUCTION DETAILS CONTD.

- Z. REMOVE EXISTING HANDHOLE, FRAME AND COVER 12 INCHES BELOW GRADE AND BACKFILL.
- ga. REMOVE TUBULAR POST
- bb. REMOVE EXISTING GROUND MOUNTED SIGN.
- cc. REMOVE ALL LEFT TURN ARROWS FROM DOUBLE LEFT TURN BAY.
- dd. INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (3'-9"-3).
- ee. RELOCATE EXISTING SPLICE CABINET TO NEW MAST ARM POLE. (BY MONTGOMERY CO. FORCES).
- ff. INSTALL GRND. MNTD. SIGN 1-4"x4" WD. SUPPORT.
- gg. INSTALL 2" RISER ON EXISTING UTILITY POLE.
- hh. INSTALL GRND. MNTD. SIGN 2-4"x4" WD. SUPPORT.

- 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 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 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.
 - Contact Mr. Kamal Hamid at 240-777-8761, and Mr. Mike Kinney at 240-777-8760 with Montgomery County (MCPW&T) for relocation of surveillance camera in NW quadrant.
 - Refer to signing and pavement marking plans for installation of R4-7, W11-2 and M6-2 signs.
 - All proposed conduit under proposed sidewalk to be installed prior to sidewalk construction.

WHITNEY BAILEY COX & MAGNANI, LLC
849 Fairmount Ave. Suite 100 Baltimore, MD 21206
Tel. 410-512-4500 Fax. 410-324-4100
www.wbcm.com

ARCHITECTURE ENGINEERING CONSTRUCTION

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

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

MD 355 (FREDERICK ROAD) AT MD 118 (GERMANTOWN ROAD)
LEFT TURN LANE EXTENSION AND
TRAFFIC SIGNAL RECONSTRUCTION

TRAFFIC SIGNALIZATION PLAN			
SCALE	1" = 20' ADVERTISED DATE	FEBRUARY 1991	CONTRACT NO. MO5635187
DESIGNED BY	R.E.S.	COUNTY	MONTGOMERY
DRAWN BY	R.E.S.	LOGMILE	16011807.39
CHECKED BY	Z.A.S.	TIMS NO.	G546
F.A.P. NO.	SEE TITLE SHEET	TOD NO.	<TOD NO>
TS NO. 2475B	DRAWING	SG-01	OF 3
			SHEET NO. 12 OF 18