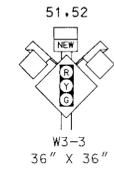
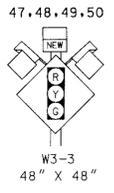
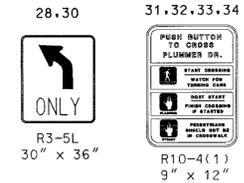
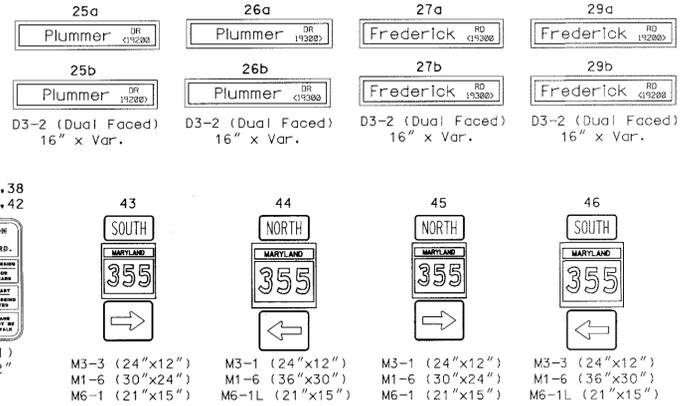


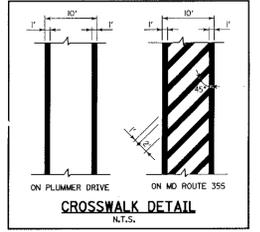
MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

### SIGNS



**NOTE:**  
TWO ADVANCE SIGNS "PLUMMER DRIVE / NEXT SIGNAL" (SEE BELOW) ON MD 355, SHOWN IN THE SIGNING AND STRIPING PLAN, ARE EXCLUDED IN THIS SIGNAL PLAN.

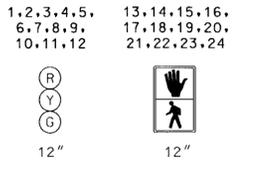
**Plummer Drive**  
**NEXT SIGNAL**  
(6.0' x 4.0')



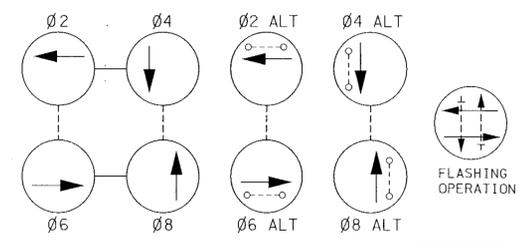
### NOTES:

- "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
- PROPOSED AND EXISTING GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS. BEFORE INSTALLATION OF THE PAVEMENT MARKINGS, THE CONTRACTOR SHALL REMOVE ALL EXISTING MARKINGS WHICH ARE CONFLICTING WITH THE PROPOSED MARKINGS SHOWN ON THE PLAN. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE EXISTING TO REMAIN.
- ALL UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND ARE NOT TO BE CONSIDERED AS COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS UTILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE PERSONNEL PRIOR TO CONSTRUCTION TO AVOID POTENTIAL CONFLICTS SO THAT FIELD ADJUSTMENTS CAN BE MADE.
- THE FACE OF STRAIN POLE TO THE FACE OF CURB SHALL HAVE A MINIMUM OF 2 FEET DISTANCE. IF NECESSARY, STRAIN POLES AT THE NORTHWEST AND SOUTHWEST CORNERS SHALL SET BACK INTO THE PEDESTRIAN SIDEWALKS TO GET A 2-FOOT CLEARANCE TO THE CURB. SIDEWALKS MAY NEED TO BE ADJUSTED ACCORDINGLY, AS DIRECTED BY THE ENGINEER.
- WHEATFIELD DRIVE "LEFT OUTS" SHALL NOT BE BLOCKED UNTIL THE PLUMMER DRIVE SIGNAL IS OPERATIONAL.
- ALL DIMENSIONS ARE TO EDGE OF GUTTER PAN, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES EXCLUDING INTERCONNECT CABLE, TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.
- DISCONNECTING AND SPLICING INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT ROBERT GONZALES AT (301)217-2182 SEVENTY-TWO HOURS IN ADVANCE OF THE INTENDED WORK.

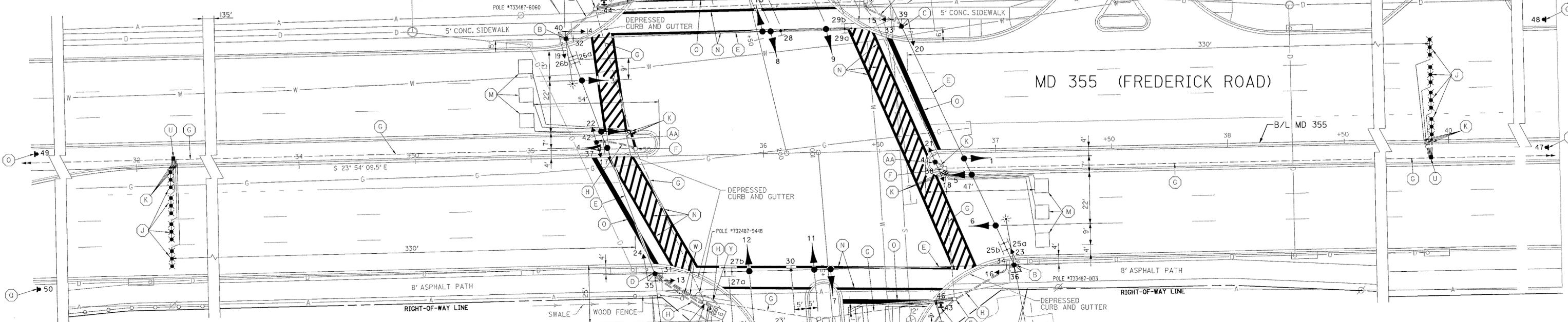
### SIGNAL HEADS



### NEMA PHASING



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

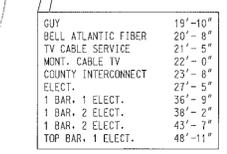


### CONSTRUCTION DETAILS:

- INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. [NOTE: TWO 2 IN. (SCHEDULE 80), AND TWO 4 IN. (SCHEDULE 80), 90-DEGREE PVC CONDUIT BENDS.]
- INSTALL 12 IN. X 30 FT. (TWO PLY) STEEL STRAIN POLE WITH 20 FT. LUMINAIRE ARM AND 250 WATT HPS LUMINAIRE, PEDESTRIAN SIGNALS, PUSH BUTTONS, AND R10-4(1) SIGNS. [NOTE: ONE 2 IN. (SCHEDULE 80), 90-DEGREE PVC CONDUIT BEND.]
- INSTALL 12 IN. X 30 FT. (TWO PLY) STEEL STRAIN POLE, PEDESTRIAN SIGNALS, PUSH BUTTONS, AND R10-4(1) SIGNS. [NOTE: ONE 2 IN. (SCHEDULE 80), 90-DEGREE PVC CONDUIT BEND.]
- INSTALL 12 IN. X 30 FT. (TWO PLY) STEEL STRAIN POLE, PEDESTRIAN SIGNALS, PUSH BUTTONS, AND R10-4(1) SIGNS. [NOTE: ONE 2 IN. (SCHEDULE 80), AND TWO 3 IN. (SCHEDULE 80), 90-DEGREE PVC CONDUIT BENDS.]
- INSTALL 3/8 IN. STEEL SPAN WIRE, SIGNAL HEADS, AND SIGNS.
- USE EXISTING CONDUIT.
- INSTALL 2 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- INSTALL MICRO-LOOP PROBE SET.
- INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR SLEEVE.
- INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN 1/4 IN. FLEXIBLE TUBING.
- INSTALL 6 FT. X 6 FT. LOOP DETECTOR (4 TURNS) ENCASED IN 1/4 IN. FLEXIBLE TUBING.
- INSTALL 12 IN. PREFORMED WHITE PAVEMENT MARKING FOR CROSSWALK.
- INSTALL 24 IN. PREFORMED WHITE PAVEMENT MARKING FOR STOP LINE.
- INSTALL 5 IN. WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR LANE LINE ON PLUMMER DRIVE.
- INSTALL GROUND MOUNT SIGN (ON TWO 4"x6" WOOD POSTS) APPROXIMATELY 475 FT. IN ADVANCE OF THE INTERSECTION ON MD 355.
- INSTALL GROUND MOUNT SIGN (ON ONE 4"x6" WOOD POSTS) APPROXIMATELY 250 FT. IN ADVANCE OF THE INTERSECTION ON PLUMMER DRIVE.
- REMOVE EXISTING "STOP" SIGN AND SUPPORTS.
- CONNECT EXISTING INTERCONNECT CABLE TO THE CABINET/CONTROLLER. USE EXISTING 50 FT. COILED INTERCONNECT CABLE IN THE HANDHOLE. (SEE NOTES)
- INSTALL HANDHOLE.

### CONSTRUCTION DETAILS (CONTINUED):

- INSTALL PERMANENT PAVEMENT MARKING ARROW.
- INSTALL 4 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- INSTALL GROUND MOUNT SIGN (BACK TO BACK, ON TWO 4"x4" WOOD POSTS).
- PROPOSED ELECTRICAL SERVICE BY PEPCO.
- INSTALL PERMANENT PAVEMENT MARKING LETTERS.
- INSTALL 10 FT. PEDESTAL POLE, PEDESTRIAN SIGNALS, PUSH BUTTONS, AND R10-4(1) SIGNS. [NOTE: ONE 2 IN. (SCHEDULE 80), 90-DEGREE PVC CONDUIT BEND.]



REVISIONS	APPROVALS
NEW SHEET RED LINE REVISION No. 5 9/1/98 New Signal	ASST. DIVISION CHIEF, TEDD
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION			
Office of Traffic and Safety			
TRAFFIC ENGINEERING DESIGN DIVISION			
DRAWN BY: H.W.C.	MD 355 at Plummer Drive		PLAN SHEET NO.:
DES. BY: J.S.Y.	COUNTY: MONTGOMERY		
CHK. BY: M.W.M.			
DATE: 7/31/98	F.A.P. NO. AC-NH-G-513 (10) C	TS NO.:	SHEET NO.
SCALE: 1" = 20'	S.H.A. NO. M 611-501-371	TS 3801	OF

LOG MILE NO. 1503351746

PREPARED BY  
**Greiner, Inc.**  
Engineers/Architects/Planners/Surveyors  
TIMONIUM, MARYLAND