

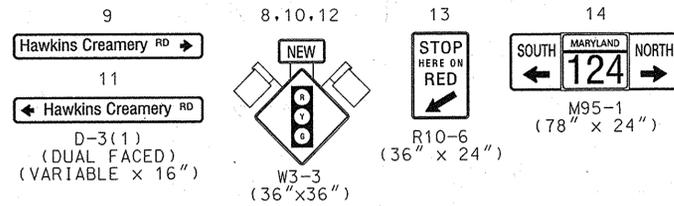


MD 124 IS ASSUMED TO RUN
IN AN NORTH-SOUTH DIRECTION

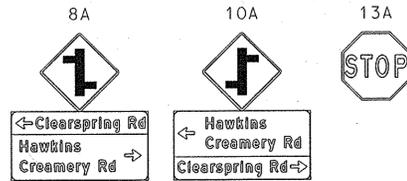
GENERAL NOTES

1. 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, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
7. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.
8. CALL MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER (TMC) 72 HOURS PRIOR TO ANY DIGGING TO MARK THE EXISTING TRAFFIC SIGNAL EQUIPMENT.

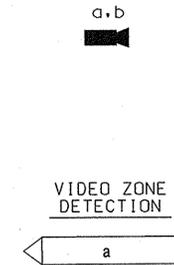
PROPOSED SIGNS



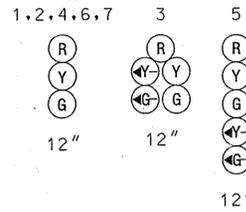
EXISTING SIGNS TO BE REMOVED



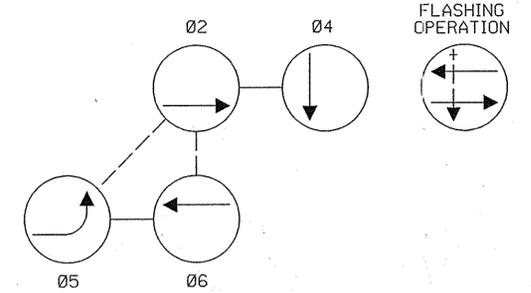
PROPOSED VIDEO DETECTION CAMERA



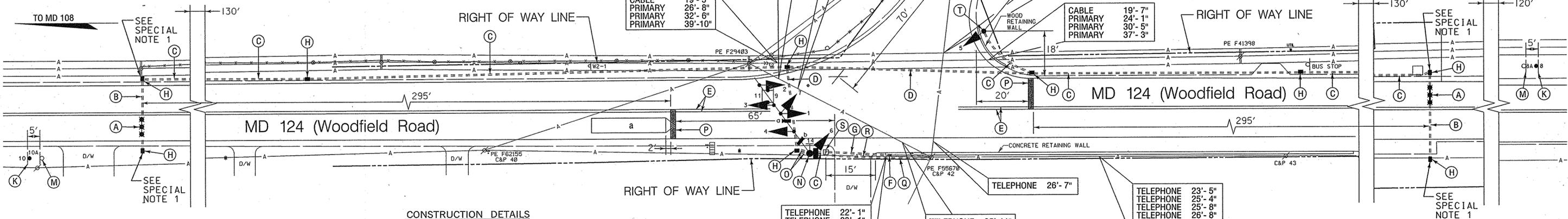
PROPOSED SIGNALS



NEMA PHASING



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



- A. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED CONDUIT.
- B. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- C. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- D. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- E. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
- F. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT TRENCHED WITH 3-1 CONDUCTOR, 250 KCML.CU. TYPE ELECTRICAL CABLES. CAP AND MARK CONDUITS 2 FT. ABOVE GRADE AND LEAVE 35 FT OF EACH CABLE COILED AT THE BASE OF POLE FOR PEPCO FORCES.
- G. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED) WITH 3-1 CONDUCTOR, 250 KCML, CU TYPE ELECTRICAL CABLES.
- H. INSTALL HANDHOLE.
- J. REMOVE EXISTING R1-1 SIGN FROM SUPPORTS AND INSTALL R10-6 (36 IN. x 24 IN.) SIGN.
- K. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. x 6 IN. TREATED WOOD POST.
- L. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. x 6 IN. TREATED WOOD POST APPROXIMATELY 325 FT. IN ADVANCE OF THE INTERSECTION ON WESTBOUND HAWKINS CREAMERY ROAD.
- M. REMOVE EXISTING W2-1(1) SIGN AND WOOD POST.
- N. INSTALL CONCRETE FOUNDATION WITH A 16.5 FT. (15'-0" T) STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, POLE MOUNTED CABINET AND CONTROLLER, M95-1 SIGN BANDED TO POLE AND VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 2-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- P. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED.
- D. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFERRED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- Q. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE - TRENCHED.
- R. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE - BORED.
- S. INSTALL BASE MOUNTED METEDED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND IN PEDESTAL BASE.
- T. INSTALL CONCRETE FOUNDATION WITH 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE AND IN LINE 5-SECTION SIGNAL HEAD. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

SPECIAL NOTE:
1. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

BY: sbloss

GEOMETRIC LEGEND

— EXISTING
— PROPOSED

UTILITY LEGEND

— S—D— STORM DRAIN
— G—C— GAS MAIN
— W—V— WATER MAIN
— S—M— SEWER MAIN
— E—E— ELECTRIC CABLES
— T—T— TELEPHONE CABLES
— F—F— FIBER-OPTIC

APPROVALS

TEAM LEADER: *[Signature]* 4/10/07
ASSISTANT: *[Signature]* 3-7-07
DIVISION CHIEF: *[Signature]* 3-20-07
OFFICE DIRECTOR: _____

REVISIONS

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 124 (Woodfield Road) at Hawkins Creamery Road
Damascus, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 3/02/2007 CONTRACT NO. AT9105185

DESIGNED BY S. Bloss COUNTY Montgomery
DRAWN BY S. Bloss LOGMILE 15012415.99
CHECKED BY N. Leary TMS NO. H948
FAP NO. _____ TOD NO. _____

TS NO. 4558 DRAWING - OF SHEET NO. 1 OF 2

SHA NO: M0579A57/C57/M57
TOD NO: AT910-14M
MD 124 @ HAWKINS CREAMERY ROAD

PLOTTED: Monday, March 05, 2007 AT 08:10 AM
FILE: n:\31556-072\CADD\p8g-p001_H948.dgn