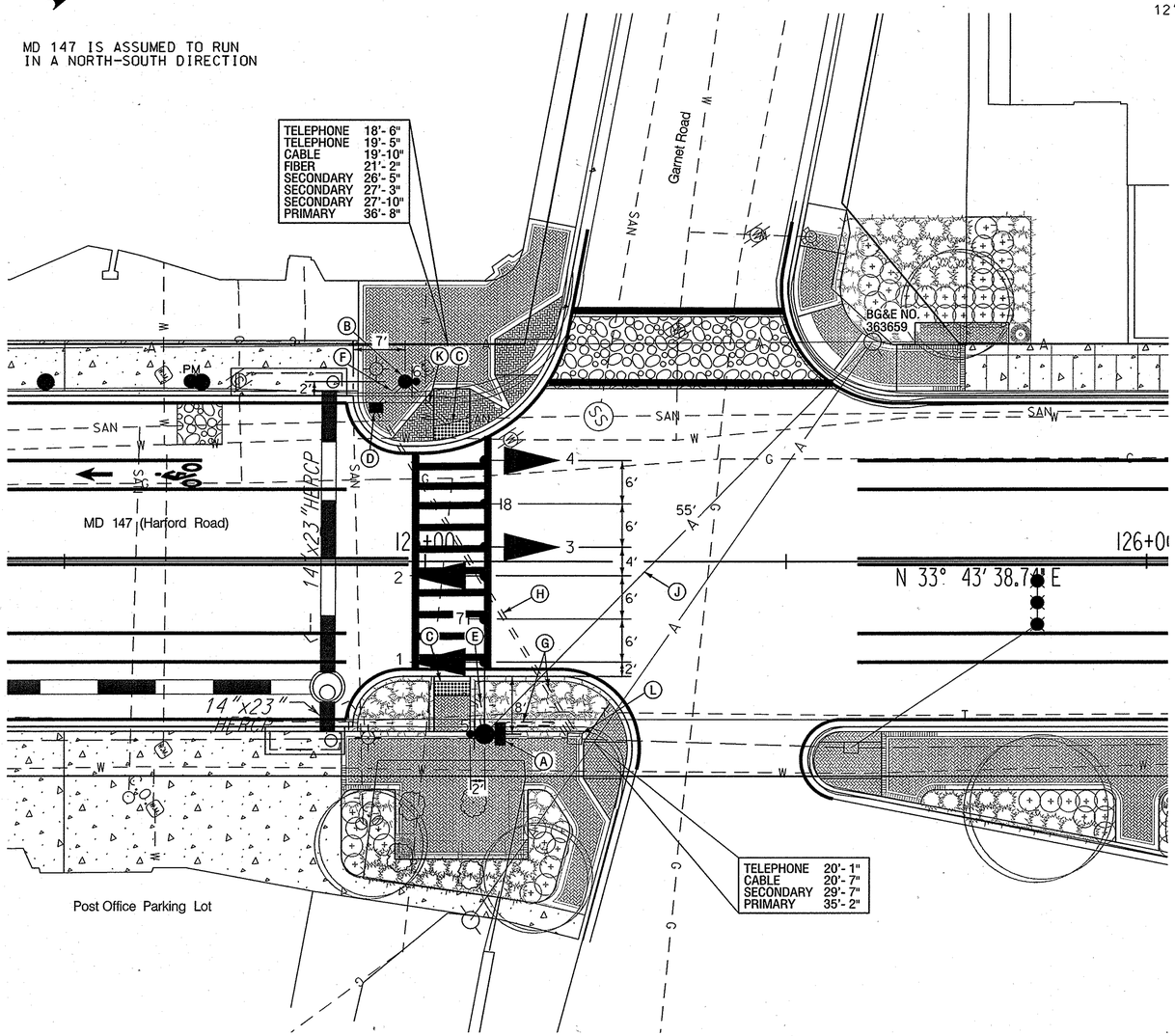
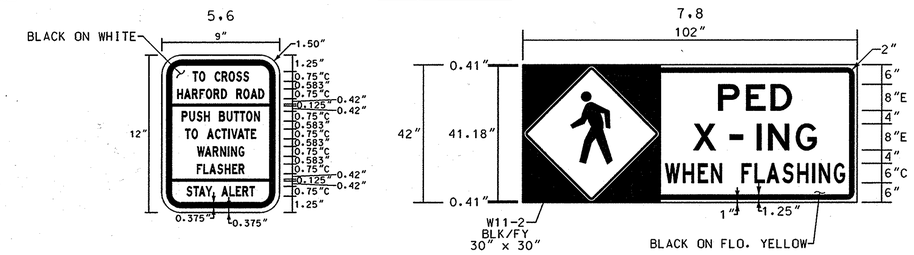
MD 147 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION



PROPOSED SIGNALS

1-4
(Y)
12" LED

PROPOSED SIGNS



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A 60 FT. (CUT TO 40 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN PUSHBUTTON, PROPOSED SIGN, CLEVIS AND 1 IN. ELECTRICAL CONDUIT GALVANIZED RISER FOR PHONE DROP, ELECTRICAL SERVICE EQUIPMENT (120/240V, 60A), AND POLE MOUNTED CABINET AND CONTROLLER. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL CONCRETE FOUNDATION WITH 10 FT. (CUT TO 5 FT.) STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. 801.01-01, PEDESTRIAN PUSHBUTTON AND PROPOSED SIGN. (SHA FORCES SHALL FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON) (INSTALL 1-2 IN. AND 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
C. REMOVE EXISTING DETECTABLE WARNING SURFACE AND INSTALL SMART PED DETECTABLE WARNING SURFACE.
D. INSTALL HANDHOLE.
E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
F. REMOVE EXISTING BRICK PAVERS, INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND RESET BRICK PAVERS.
G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
J. PROPOSED OVERHEAD ELECTRICAL AND TELEPHONE SERVICE.
K. REMOVE EXISTING BRICK PAVERS/SIDEWALK RAMP , INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND RESET BRICK PAVERS/ REPLACE SIDEWALK RAMP.
L. USE EXISTING HANDHOLE.

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 CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
5. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
8. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
9. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E-2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
10. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.

WR&A
Whitman, Requardt and Associates, LLP
Engineers, Architects and Planners
801 South Caroline Street
Baltimore, Maryland 21231
410-235-3450

BY: jrasmussen

APPROVALS	REVISIONS
TEAM LEADER 10-27-08	
ASST. DIV. CHIEF Rick Baker 10-27-08	
DIVISION CHIEF 10/28/08	
OFFICE DIRECTOR 10/27	

PLOTTED: 10-23-2008
FILE: n:\31556-160\cadd\pSG-P004_Garnet.dgn

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

MD 147 (HARFORD ROAD) AND
GARNET ROAD /POST OFFICE

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 10' ADVERTISED DATE _____ CONTRACT NO. XX4455185

DESIGNED BY S. Bloss
DRAWN BY S. Bloss
CHECKED BY N. Leary
F.A.P. NO. SEE TITLE SHEET
COUNTY BALTIMORE
LOGMILE 03001470B-45
TIMS NO. J 368
TOD NO. _____

TS NO. 4695 | DRAWING TSP-4 OF 5 | SHEET NO. 4 OF 5