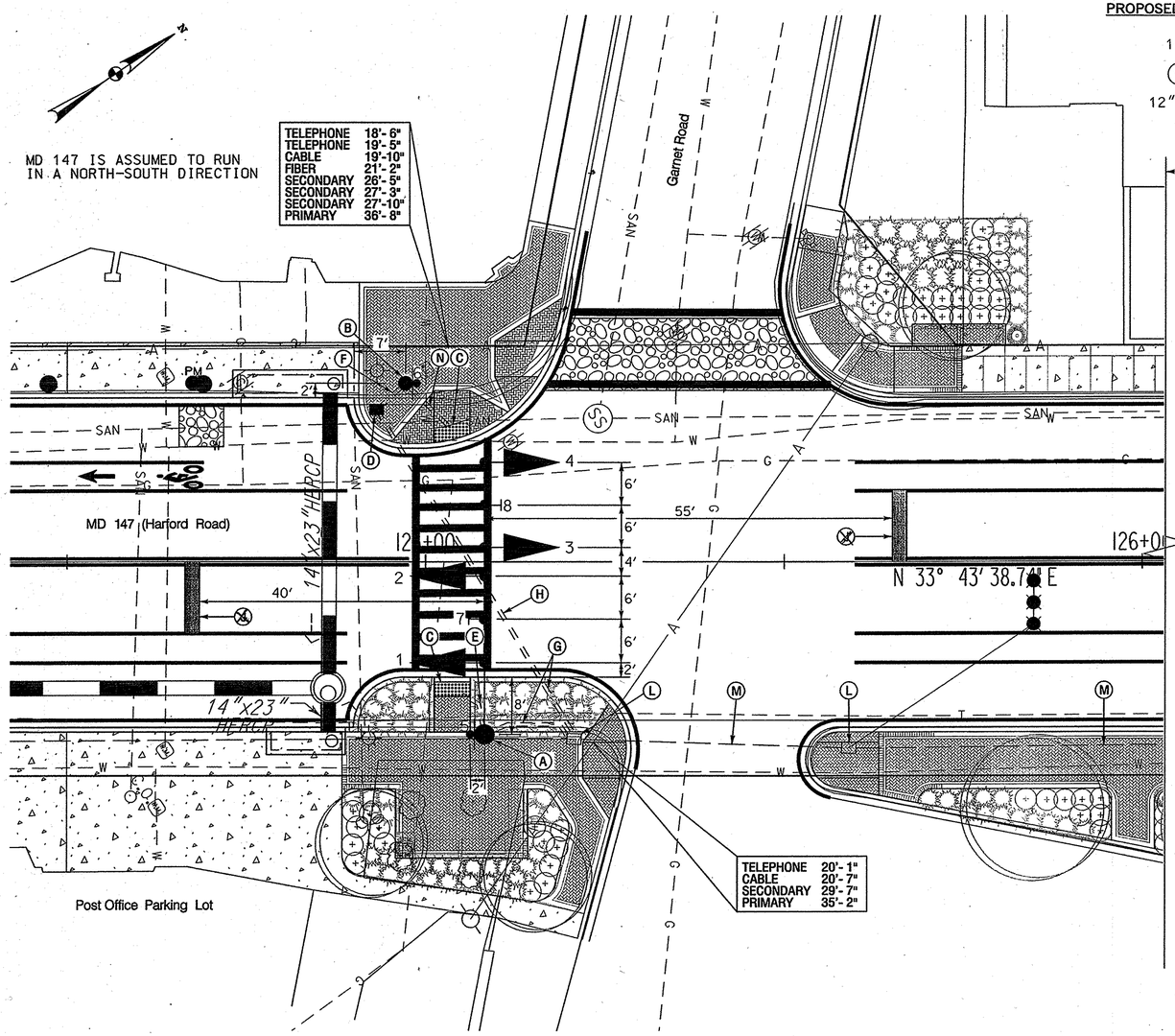
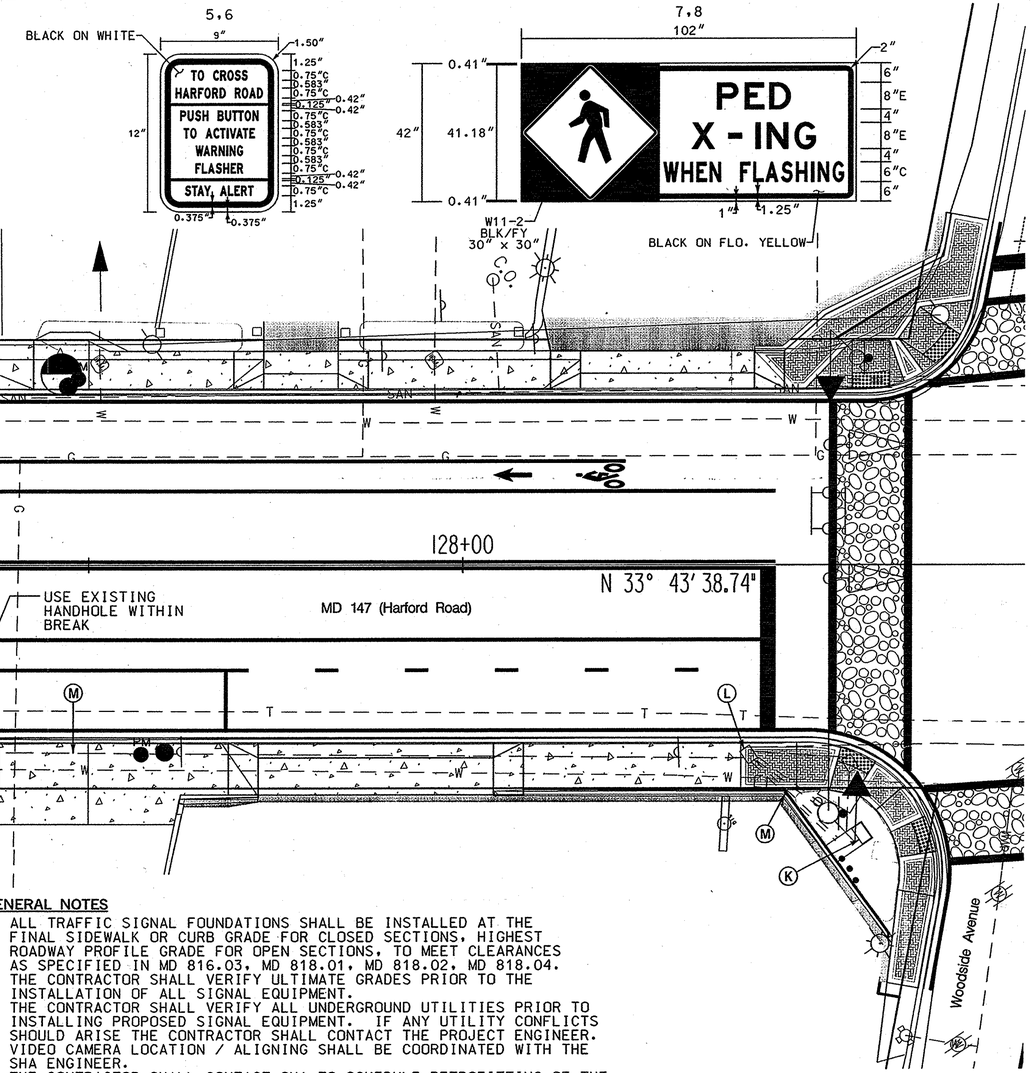


PROPOSED SIGNALS

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 AND PROPOSED SIGN. (~~SHA FORCES SHALL FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON.~~) (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. ~~INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.~~
K. USE EXISTING CABINET AND CONTROLLER.
L. USE EXISTING HANDHOLE.
M. USE EXISTING CONDUIT.
N. REMOVE EXISTING BRICK PAVERS/SIDEWALK RAMP , INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND RESET BRICK PAVERS/ REPLACE SIDEWALK RAMP.

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.

TOD NO:XX445-05
SHA NO:BA874A52/B52
MD 147@ PUTTY HILL AND EMERALD

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APPROVALS		REVISIONS
TEAM LEADER	9-17-08	
ASST. DIV. CHIEF	9/17/08	
DIVISION CHIEF	9/17/08	
OFFICE DIRECTOR	9/17	

PLOTTED: 09-16-2008
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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 — COUNTY BALTIMORE
DRAWN BY S. Bloss — LOGMILE
CHECKED BY N. Leary — TIMS NO.
F.A.P. NO. SEE TITLE SHEET — TOD NO.

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