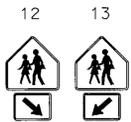




MD 222 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

TO REMAIN



EXISTING SIGNS TO BE RELOCATED



16

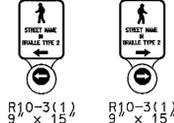
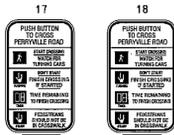


EXISTING SIGNS

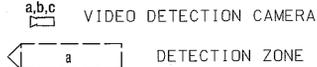
TO BE REMOVED



PROPOSED SIGNS



EXISTING VIDEO DETECTION CAMERA

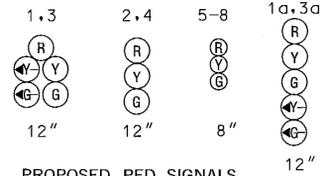


PROPOSED VIDEO DETECTION CAMERA



PROPOSED LED SIGNALS

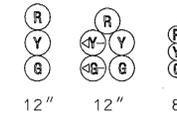
(ALL SIGNAL HEADS TO HAVE BLACK FACES)



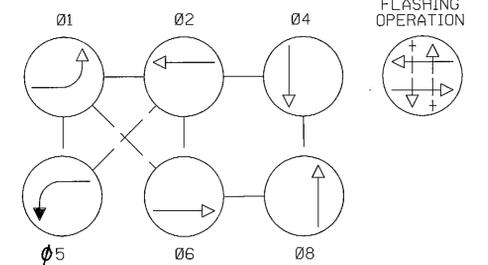
PROPOSED PED. SIGNALS



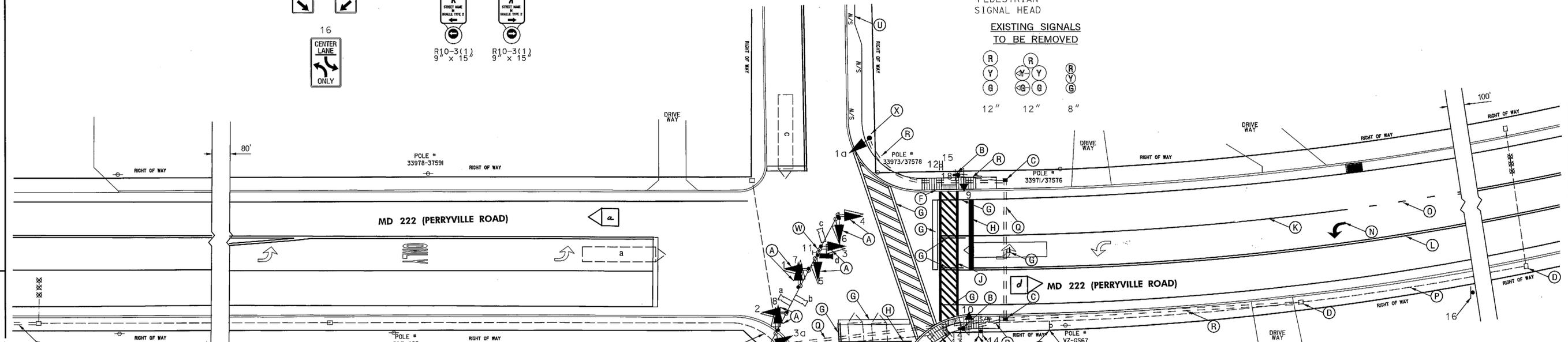
EXISTING SIGNALS TO BE REMOVED



NEMA PHASING



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



CONSTRUCTION DETAILS

- (A) REPLACE EXISTING SIGNAL HEAD WITH NEW LED SIGNAL HEAD AS SHOWN.
(B) INSTALL 10' BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE PUSHBUTTON STATION AND SIGN.
(C) INSTALL ELECTRICAL HANDHOLE.
(D) USE EXISTING ELECTRICAL HANDHOLE.
(E) REROUTE EXISTING DETECTOR LEAD-IN CABLE THROUGH PROPOSED HANDHOLE INTO EXISTING POLE MOUNTED CABINET. REMOVE HANDHOLE, CAP AND ABANDON CONDUIT.
(F) INSTALL 4 IN. CONCRETE SIDEWALK WITH SIDEWALK RAMP (SHA STANDARD NO. MD 655.12) WITH DETECTABLE WARNING SURFACE (SHA STANDARD NO. MD 655.40) AND DEPRESSED CURB AND GUTTER (SHA STANDARD NO. MD 620.03)
(G) REMOVE EXISTING PAVEMENT MARKINGS.

CONSTRUCTION DETAILS

- (H) INSTALL 24" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
(J) INSTALL 12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
(K) INSTALL 5" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
(L) INSTALL 5" SOLID DOUBLE YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
(M) INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTERS.
(N) INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS.
(O) INSTALL 5" (3' LINE, 9' SPACE) WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
(P) USE EXISTING CONDUIT.
(Q) INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.
(R) INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
(S) INSTALL 3 IN PVC RISER FOR INTERCONNECT CABLE. (NOTE: INSTALL (1/C) CABLE THROUGH BASE OF POLE, UP POLE, AND AND DOWN RISER.
(T) PROPOSED INTERCONNECT. SEE INTERCONNECT PLAN (SHEET 1) FOR INTERCONNECT WIRING AND DETAILS.

CONSTRUCTION DETAILS (CONT'D)

- (U) PROPOSED SIDEWALK TO TIE SMOOTHLY INTO EXISTING 32" SIDEWALK.
(V) RELOCATE EXISTING SIGN TO NEW LOCATION AS SHOWN.
(W) INSTALL VIDEO DETECTION CAMERA AND CABLE.
(X) INSTALL 14' PEDESTRIAN POLE WITH IN-LINE 5 SECTION SIGNAL HEAD

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. ALL PAVEMENT MARKINGS DETAILED ON THIS PLAN SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
4. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR.
5. 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 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

GENERAL NOTES (CONT'D)

- 6. 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.
7. POLES ARE TO BE LOCATED SO THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60" X 60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
8. IF THE LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST BE CHANGED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER TO OBTAIN APPROVAL FOR THE NEW LOCATION TO ENSURE MUTCD SECTION 4E.09 & FIG. 4E-2 REQUIREMENTS ARE MET. ALL WORK MUST BE HALTED UNTIL THE PROJECT ENGINEER HAS OBTAINED AN APPROVED LOCATION OR IF NECESSARY A DESIGN WAIVER IS OBTAINED.

Table with Geometric Legend and Utility Legend. Geometric Legend shows existing and proposed lines. Utility Legend lists SD (Storm Drain), G (Gas Main), W (Water Main), S (Sewer Main), E (Electric Cables), A (Aerial Cables), T (Telephone Cables), F (Fiber-Optic).

SHA logo and project information: STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 222 AT SOUTH ENTRANCE TO PERRYVILLE HIGH SCHOOL/ ST. MARKS CHURCH ROAD

TRAFFIC SIGNAL PLAN table with columns for APPROVALS, REVISIONS, and project details like SCALE, ADVERTISED DATE, CONTRACT NO., DESIGNED BY, DRAWN BY, CHECKED BY, F.A.P. NO., TS NO., DRAWING, OF, SHEET NO.

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