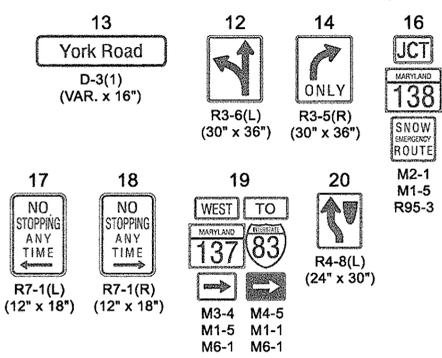


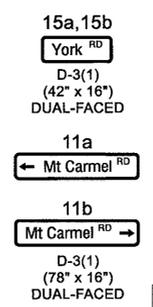


MD 45 (YORK ROAD) IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION

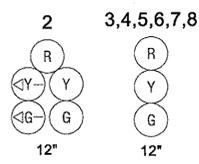
EXISTING SIGNS



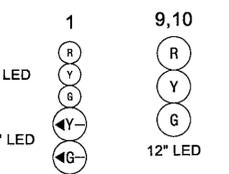
PROPOSED SIGNS



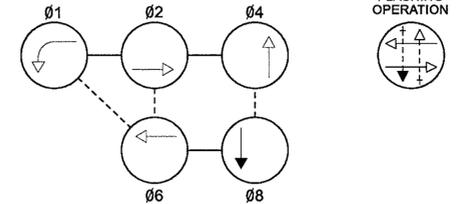
EXISTING SIGNALS



PROPOSED SIGNALS



NEMA PHASING

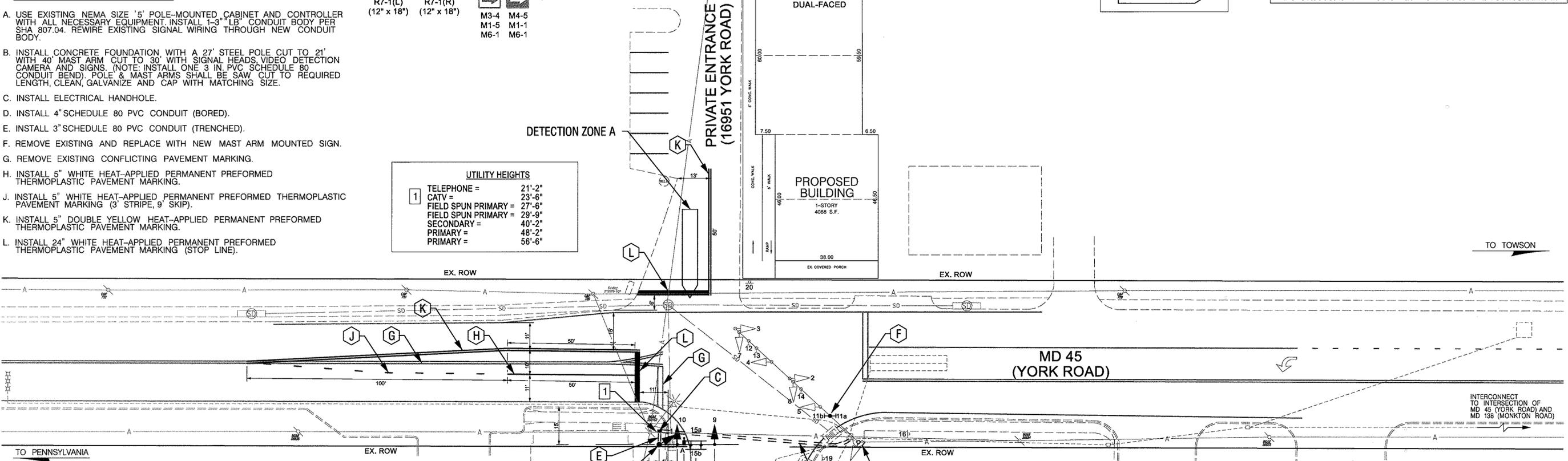


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- A. USE EXISTING NEMA SIZE '5' POLE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. INSTALL 1-3" LB CONDUIT BODY PER SHA 807.04. REWIRE EXISTING SIGNAL WIRING THROUGH NEW CONDUIT BODY.
B. INSTALL CONCRETE FOUNDATION WITH A 27' STEEL POLE CUT TO 21' WITH 40' MAST ARM CUT TO 30' WITH SIGNAL HEADS, VIDEO DETECTION CAMERA AND SIGNS. (NOTE: INSTALL ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). POLE & MAST ARMS SHALL BE SAW CUT TO REQUIRED LENGTH, CLEAN, GALVANIZE AND CAP WITH MATCHING SIZE.
C. INSTALL ELECTRICAL HANDHOLE.
D. INSTALL 4" SCHEDULE 80 PVC CONDUIT (BORED).
E. INSTALL 3" SCHEDULE 80 PVC CONDUIT (TRENCHED).
F. REMOVE EXISTING AND REPLACE WITH NEW MAST ARM MOUNTED SIGN.
G. REMOVE EXISTING CONFLICTING PAVEMENT MARKING.
H. INSTALL 5" WHITE HEAT-APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
J. INSTALL 5" WHITE HEAT-APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (3" STRIPE, 9" SKIP).
K. INSTALL 5" DOUBLE YELLOW HEAT-APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
L. INSTALL 24" WHITE HEAT-APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).

UTILITY HEIGHTS table listing heights for Telephone (21'-2"), CATV (23'-6"), Field Spun Primary (27'-6"), Secondary (29'-9"), Primary (40'-2"), and another Primary (48'-2"), and a final Primary (56'-6").



GENERAL NOTES

- 1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT WILL BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. EXISTING SIGNAL EQUIPMENT, CONDUIT, CONDUCTORS, HANDHOLES, ETC. SHALL BE REUSED AND PROTECTED IN PLACE UNLESS OTHERWISE NOTED. WHEN NOTED, REMOVED OR UNUSED SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF FROM THE SITE.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB 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.
4. ALL CONDUIT AND HANDBOXES SHALL BE INSTALLED PRIOR TO DISCONNECTING THE INTERCONNECT CABLE. THE CONTRACTOR SHALL HAVE THE CABLE DISCONNECTED, PULL THE CABLE BACK AND REROUTE THE CABLE IN ONE WORKING DAY AND THE CABLE SHALL NOT BE LEFT UNATTENDED WHILE OUT OF THE CONDUIT. PLEASE CONTACT MR. ED RODENHIZER AT (410) 787-7652 AT LEAST 72 HOURS IN ADVANCE TO ARRANGE FOR THE CABLE TO BE DISCONNECTED.
5. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS. ERRADICATE EXISTING CONFLICTING PAVEMENT MARKINGS.
6. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM DATE OF APPROVED PLAN. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITHOUT A RE-REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
7. THE CONTRACTOR SHALL NOTIFY MR. TONY YATES AT (443) 506-6443 OF THE SHA INSPECTION SECTION AND MR. ED RODENHIZER AT (410) 787-7652 OF THE SHA SIGNAL SHOP AT LEAST 48 HOURS IN ADVANCE BEFORE BEGINNING THE PROJECT.
8. VIDEO CAMERA LOCATION /ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
9. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.

Legend tables for Geometric and Utility. Geometric Legend: SD - EXISTING, SD - PROPOSED. Utility Legend: SD - STORM DRAIN, G - GAS MAIN, W - WATER MAIN, SAN - SEWER MAIN, E - ELECTRIC CABLES, A - AERIAL CABLES, T - TELEPHONE CABLES, F - FIBER-OPTIC.

APPROVALS table with fields for TEAM LEADER, ASST. DIV. CHIEF, DIVISION CHIEF, and OFFICE DIRECTOR. Includes a stamp 'ORIGINAL ON FILE'.

REVISIONS table with columns for description, date, and initials. Includes a note: 'REPLACE FAILED DETECTION 07-2007 TIMES 1-842'.

TRAFFIC SIGNAL PLAN table with fields for SCALE (1" = 20'), DATE (09-10-1989), CONTRACT NO., DESIGNED BY (GENE SIMMERS), COUNTY (BALTIMORE), DRAWN BY (GENE SIMMERS), LOGMILE (03004516.16), CHECKED BY, TIMS NO. (J088), F.A.P. NO., TOD NO., and DRAWING NO. (TS-2585-B).

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SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 45 (YORK ROAD) AT MD 137 (MT. CARMEL ROAD) /PRIVATE ENTRANCE (16951 YORK ROAD) HEREFORD, MARYLAND