

MD 140 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

GENERAL NOTES

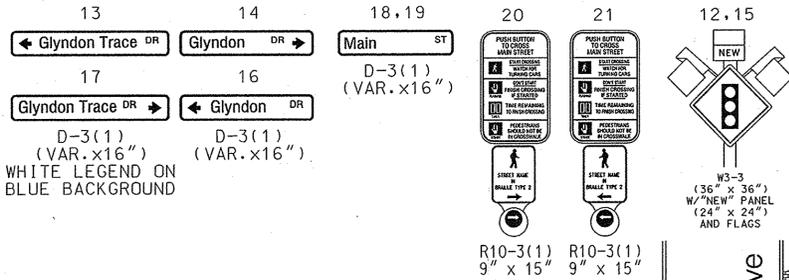
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 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.
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- INSTALL CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
- REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT 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%.
- 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 SEC. 4E.09 & 4E-2 REQUIREMENTS ARE MET. ALL WORK MUST BE HALTED UNTIL THE PROJECT ENGINEER HAS OBTAINED AN APPROVED LOCATION OR IF THE NECESSARY DESIGN WAIVER IS OBTAINED.

EXISTING SIGNS TO BE REMOVED

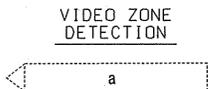


18a, 19a

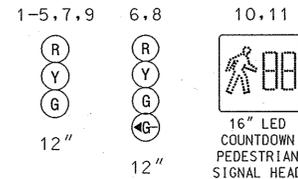
PROPOSED SIGNS



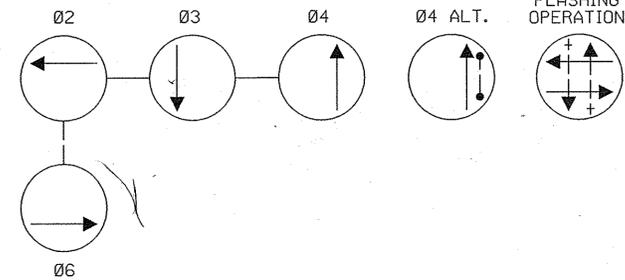
PROPOSED VIDEO DETECTION CAMERA



PROPOSED SIGNALS



NEMA PHASING



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

TELEPHONE 18'-3"
TELEPHONE 19'-2"
TELEPHONE 19'-10"
TELEPHONE 20'-2"
CABLE 21'-1"
SECONDARY 29'-0"

TELEPHONE 15'-7"
TELEPHONE 16'-6"
TELEPHONE 17'-4"
TELEPHONE 18'-1"
CABLE 20'-6"
SECONDARY 30'-8"
GUY 30'-9"

TELEPHONE 17'-5"

MD 140 (Main Street)

MD 140 (Main Street)

CONSTRUCTION DETAILS

- INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH A 70 FT. MAST ARM. TRAFFIC SIGNAL HEADS, SIGNS, ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240 V. 60 AMPS), 3 INCH WEATHERHEAD, CLEVIS AND 1 IN. GALVANIZED RISER FOR TELEPHONE SERVICE. COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT, R10-4(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS REISTERSTOWN ROAD.") AND VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH A 38 FT. (CUT TO 27 FT.) MAST ARM. TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-4(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS REISTERSTOWN ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
- REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOPLINE.
- INSTALL NEMA SIZE "6" BASE MOUNTED CONTROLLER AND CABINET WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE SERVICE IN COMMON TRENCH.
- PROPOSED OVERHEAD ELECTRICAL AND TELEPHONE SERVICE.
- INSTALL HANDHOLE.
- INSTALL 5 IN. HEAT APPLIED, YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR 40 FT. ALONG GLYNDON TERRACE.
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
- 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 245 FT. IN ADVANCE OF THE INTERSECTION ON NORTHBOUND MD 140.
- 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 400 FT. IN ADVANCE OF THE INTERSECTION ON SOUTHBOUND MD 140.
- REMOVE EXISTING BRICK PAVERS AND INSTALL SIDEWALK RAMP WITH DETECTABLE WARNING SURFACES (STANDARD NO. MD 655.11).
- REMOVE EXISTING R1-1 SIGN AND SUPPORT.
- REMOVE EXISTING R1-1 SIGN FROM SUPPORT.
- REMOVE EXISTING SIDEWALK AND INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND REPLACE 4 IN. CONCRETE SIDEWALK.
- REMOVE EXISTING BRICK PAVERS AND INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND RESET BRICK PAVERS.

SPECIAL NOTES:

- CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- THE TACTILE ARROWS FOR THE AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.

TOD NO: AT912-06
SHA No.: BA633A53/CS3/M53
MD 140 @ Glyndon Drive



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 140 (Main Street) and Glyndon Drive / Glyndon Trace Drive
Reisterstown, MD



Whitman, Reardon and Associates, LLP
Engineers, Architects and Planners
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APPROVALS	REVISIONS
<p>2-13-07 2-13-07 2-13-07 2-13-07 2/13</p>	

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 12/11/2006 CONTRACT NO. AT9125185

DESIGNED BY S. BLOSS COUNTY BALTIMORE
DRAWN BY S. BLOSS LOGMILE 03140009.23
CHECKED BY N. LEARY / RAVD TMS NO. H435
FAP NO. TOD NO.

TS NO. 4565 DRAWING - OF SHEET NO. 1 OF 3