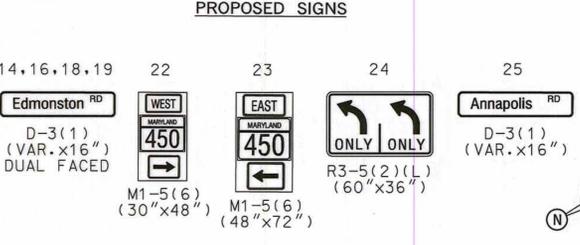


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL/MAY OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY. PHASE 5 SHALL LAG BEHIND PHASES 2 & 6.

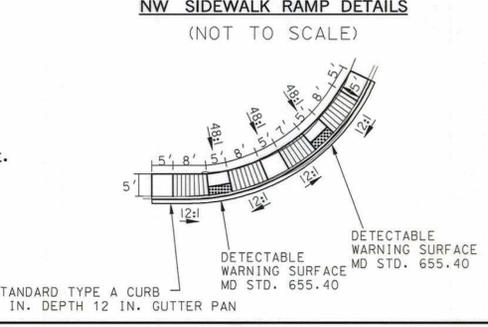
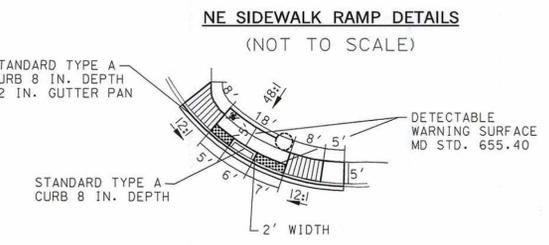
LINE HEIGHTS (LH) 1		LINE HEIGHTS (LH) 2	
COMMUNICATION 1	- 21'-6"	COMMUNICATION 1	- 19'-3"
COMMUNICATION 2	- 24'-0"	COMMUNICATION 2	- 22'-0"
COMMUNICATION 3	- 25'-0"	COMMUNICATION 3	- 22'-6"
SECONDARY	- 31'-0"	SECONDARY	- 28'-6"
PRIMARY	- 40'+	PRIMARY	- 40'+



- CONSTRUCTION DETAILS**
- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. 90 DEGREE BENDS).
 - INSTALL 16.5 FT. STEEL POLE WITH A 15 FT. "T" DIMENSION, 50 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGN AND LED COUNTDOWN PEDESTRIAN SIGNAL HEAD. (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 16.5 FT. STEEL POLE WITH A 15 FT. "T" DIMENSION, 70 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON AND SIGN R10-3(1) "PUSH BUTTON TO CROSS ANNAPOLIS ROAD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 21 FT. STEEL POLE WITH A 38 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH SPECIAL FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON AND SIGN R10-3(1) "PUSH BUTTON TO CROSS ANNAPOLIS ROAD OR EDMONSTON ROAD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH SPECIAL FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PEDESTRIAN PUSHBUTTON AND SIGN R10-3(1) "PUSH BUTTON TO CROSS EDMONSTON ROAD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL ELECTRICAL HANDHOLE.
 - INSTALL METERED SERVICE PEDESTAL (NOTE: 3-2 IN. AND 1-4 IN. PVC 90 DEGREE BENDS WITH 3/4 IN. CONDUIT FOR GROUND WIRE).
 - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED UNDERGROUND POWER SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH UTILITY POLE FOR USE BY OTHERS.
 - INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT UTILITY POLE FOR USE BY OTHERS.
 - INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED). (SEE NOTE # 22 WHERE APPLICABLE)
 - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).
 - INSTALL GROUND MOUNTED SIGN ON TWO 4 IN. x 6 IN. WOOD POSTS.
 - REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
 - REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
 - REMOVE EXISTING SIDEWALK RAMP AND CONSTRUCT SHA STD. MD 655.12 SIDEWALK RAMP WITH DETECTABLE WARNING SURFACE SHA STD. MD 655.40. (SEE DETAIL THIS SHEET) (SEE NOTES 22 AND 23)
 - REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND FILL WITH SELECT BACKFILL. CAP AND ABANDON ANY EXISTING CONDUIT.
 - REMOVE EXISTING HANDHOLE AND FILL WITH SELECT BACKFILL. CAP AND ABANDON ANY EXISTING CONDUIT.
 - REMOVE EXISTING DECORATIVE LIGHTING AND FILL WITH SELECT BACKFILL. DELIVER THE DECORATIVE LIGHT POLES TO THE TOWN OF BLADENSBURG AFTER REMOVAL. (SEE NOTE # 24)
 - INSTALL 10 FT. BREAKAWAY PEDESTAL POLE ON EXISTING FOUNDATION WITH BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON AND SIGN R10-3(1) "PUSH BUTTON TO CROSS EDMONSTON ROAD" (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 16.5 FT. STEEL POLE WITH A 15 FT. "T" DIMENSION, 50 FT. MAST ARM (CUT TO 38 FT.), FOUNDATION, LED TRAFFIC SIGNAL HEADS AND SIGN (NOTE: 1-3 IN. 90 DEGREE PVC BEND). (SEE NOTE 19.)

- GENERAL NOTES**
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
 - THE CONTRACTOR SHALL CONTACT MSHA TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
 - WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
 - 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 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 BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
 - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
 - ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
 - THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE AND CABINET LOCATION(S) PRIOR TO INSTALLATION.
 - SEE GENERAL INFORMATION SHEET FOR PROPOSED TRAFFIC SIGNAL EQUIPMENT AND PAVEMENT MARKING LAYOUTS.
 - THE CONTRACTOR SHALL CENTER THE PROPOSED RAMPS ON THE EXISTING CROSSWALKS.
 - ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
 - VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
 - LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.21 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICES". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE PROJECT DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
 - PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 IN.
 - THE 10 FT. SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
 - ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 TO COORDINATE.
 - ALL TRAFFIC SIGNAL EQUIPMENT INCLUDING CONDUIT SHALL BE CONSTRUCTED PRIOR TO SIDEWALK INSTALLATION.
 - THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK TO THE NEAREST JOINT.
 - THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL RECONSTRUCTED TRAFFIC SIGNAL IS OPERATIONAL. IF NECESSARY, THE CONTRACTOR MAY DEACTIVATE THE PEDESTRIAN SIGNALS SERVING THE WEST LEG CROSSING IN ORDER TO INSTALL THE MAST ARM POLE IN THE NORTHWEST CORNER. IF IT BECOMES NECESSARY TO DEACTIVATE THESE PEDESTRIAN SIGNALS, THE CONTRACTOR SHALL BAG THE ASSOCIATED PEDESTRIAN SIGNAL HEADS AND PROVIDE A PEDESTRIAN DETOUR UTILIZING MSHA STANDARD TYPICALS.

- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. x 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- THE CONTRACTOR IS TO REMOVE THE BRICK SIDEWALK AND REPLACE IT TO THE ORIGINAL LAYOUT.
- PLACE 24 IN. WIDE DETECTABLE WARNING SURFACE ALONG THE FULLY DEPRESSED PORTION OF THE PROPOSED AND EXISTING RAMPS. THE MAT SHALL NOT EXTEND ONTO THE SIDE FLARES.
- THE CONTRACTOR SHALL DELIVER THE DECORATIVE LIGHT POLES TO THE TOWN OF BLADENSBURG. CONTACT MR. TIMOTHY MCNAMARA AT 443-572-6048 TO COORDINATE.
- VIDEO DETECTION CAMERA "B" SHALL BE ALIGNED FOR BOTH PRESENCE AND SET BACK DETECTION.



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UTILITY LEGEND

E	ELECTRIC CABLES	SD	STORM DRAIN
A	AERIAL CABLES	G	GAS MAIN
T	TELEPHONE CABLES	W	WATER MAIN
F	FIBER-OPTIC	S	SEWER MAIN

GEOMETRIC LEGEND

EXISTING	---
PROPOSED	---

1 REDLINE REVISION NO.1
 SEPTEMBER 2011
 SHA NO. XX351568

APPROVALS

TEAM LEADER
 ASST. DIV. CHIEF
 DIVISION CHIEF
 OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

© FULL SIGNAL RECONSTRUCTION
 SHA #XX351568 8/2010

B INSTALL PEDESTRIAN SIGNALS AND NEAR SIDE SIGNAL ON WEST LEG
 SHA# XX1065285 08/2002

A.M.H.
 A 6-7-00 ASBUILT FOR RED LIGHT CAMERA INSTALLATION

R.L.Z.

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 450 (ANNAPOLIS ROAD)
 AT MD 769B (EDMONSTON ROAD)
 BLADENSBURG, MD

SIGNALIZATION PLAN SHEET

SCALE 1"=20' ADVERTISED DATE CONTRACT NO. PG4345HIBSH

DESIGNED BY COUNTY PRINCE GEORGE'S
 DRAWN BY T.MANK LOGMILE 16045000.42
 CHECKED BY T.MANK TMS NO. K038
 F.A.P. NO. T-8006 (23) TOD NO.

TS NO. 541C DRAWING SG-01 OF 02 SHEET NO. 01 OF 02