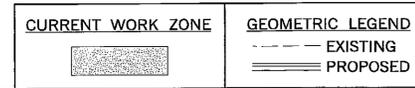
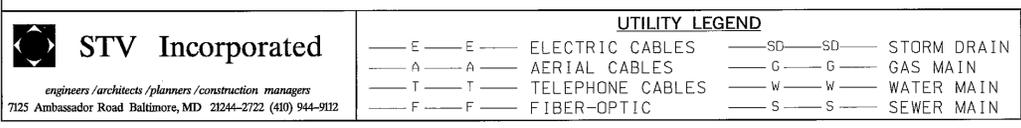
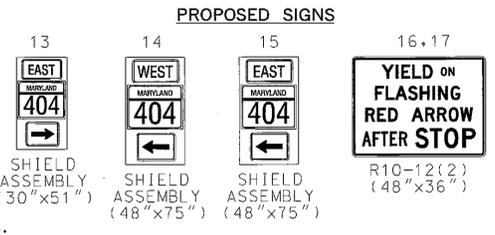


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE MAY/WILL NOT OPERATE CONCURRENTLY.

- 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 27 FT. STEEL POLE WITH A 60 FT. MAST ARM. FOUNDATION, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, OPTICOM DETECTOR EYE AND SIGNS (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT. AND 70 FT. MAST ARMS. FOUNDATION, VIDEO DETECTION CAMERAS, SIGNS, OPTICOM DETECTOR EYES AND A 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (TO BE WIRED IN PHASE 2) (NOTE: 1-3 IN. PVC 90 DEGREE BEND). (SEE NOTE 4)
 - INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM. FOUNDATION, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, OPTICOM DETECTOR EYE, SIGN AND A 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
 - INSTALL A 40 FT. CLASS II WOOD POLE WITH TWO BACK GUYS AS SHOWN, PVC ELECTRICAL CONDUIT RISER, 3 IN. SCHEDULE 80 RIGID PVC 90 DEGREE CONDUIT BEND AND A 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE.
 - INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEADS.
 - INSTALL STEEL SPAN WIRE - 3/8 IN. DIAMETER.
 - INSTALL 1-3 IN. PVC 90 DEGREE BEND IN EXISTING SIGNAL POLE FOUNDATION.
 - INSTALL ELECTRICAL HANDHOLE.
 - 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 JUNCTION BOX FOR USE BY OTHERS.
 - 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 PULL STRING AT TRANSFORMER FOR USE BY OTHERS.
 - INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED).
 - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) PRIOR TO ROADWAY CONSTRUCTION.
 - INSTALL METERED SERVICE PEDESTAL.
 - REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT AND ABANDON EXISTING CONDUIT AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.
 - REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.
 - REMOVE EXISTING ELECTRICAL HANDHOLE, CAP AND ABANDON EXISTING CONDUIT AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.
 - REMOVE EXISTING SIGNAL HEAD / OPTICOM EYE AFTER TEMPORARY/PROPOSED SIGNAL IS OPERATIONAL.
 - USE EXISTING SPAN WIRE.
 - USE EXISTING STRAIN POLE.
 - ABANDON EXISTING LOOP DETECTOR.
 - AA. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS).
 - BB. SPLICE EXISTING LOOP DETECTOR WIRE TO NEW 2 CONDUCTOR (ALUMINUM SHIELDED) WIRE.
 - CC. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
 - DD. USE EXISTING CONDUIT
 - EE. USE EXISTING HANDHOLE
 - FF. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) PRIOR TO ROADWAY CONSTRUCTION.
 - GG. INSTALL OVERHEAD SIGN

- GENERAL NOTES**
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
 - THE CONTRACTOR SHALL CONTACT MISS UTILITY 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 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 SHA SIGNAL SHOP WILL 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.
 - ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
 - THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL RECONSTRUCTED TRAFFIC SIGNAL IS OPERATIONAL. (SEE TRAFFIC CONTROL PLANS FOR DETAILS ON MAINTENANCE OF TRAFFIC AND SEQUENCE OF CONSTRUCTION.)
 - VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
 - THE CONTRACTOR SHALL INSTALL ENOUGH CABLE SLACK FOR THE RELOCATION OF SIGNAL EQUIPMENT IN FUTURE PHASES.



APPROVALS	REVISIONS
 TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	©TEMPORARY SIGNAL TO SUPPORT MOT PHASE 1. SHA # C0328170 11/2008 STV # 1001001001 10-31-09 D. INSTALL OPTICOM FOR MD 480
	SHA # XX1005985 10-31-09 C. PROVIDE E/P LEFT FOR E.B. AND W.B.R. MD 404. PROVIDE OPTICOM FOR W.B.R. MD 404.
	7-30-98
	ORIGINAL ON FILE

SIGNALIZATION PLAN SHEET	
SCALE 1"=20'	ADVERTISED DATE 01/19/1984 CONTRACT NO. QA231A56B56
DESIGNED BY	COUNTY CAROLINE
DRAWN BY JOHN BOLING	LOGMILE 05040400.73
CHECKED BY D.J. DODA JR.	TMS NO. 1833
F.A.P. NO. SEE TITLE SHEET	TOD NO. XX10061-45
TS NO. 1946E	DRAWING SG-01 OF 06 SHEET NO. 114 OF 138

PLOTTED: Monday, March 23, 2009 AT 04:35 PM
 FILE: I:\PROJECTS\0312121\0312121_0018\Drawings\TRA\pSG-P001_MD404_PHASE1.dgn

BY: youngsd

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