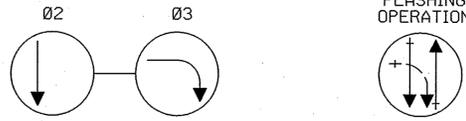


**GENERAL NOTES**

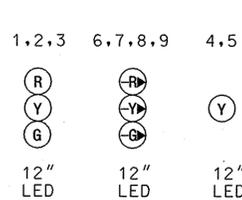
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 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.
- 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.
- CONTACT MCDPW&T/MC AT (240) 777-2100 72 HOURS PRIOR TO MARKING ANY UNDERGROUND SIGNAL EQUIPMENT.

**NEMA PHASING**

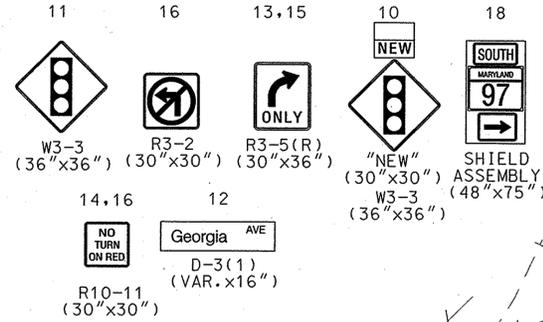


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL/MAY OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

**PROPOSED SIGNALS**



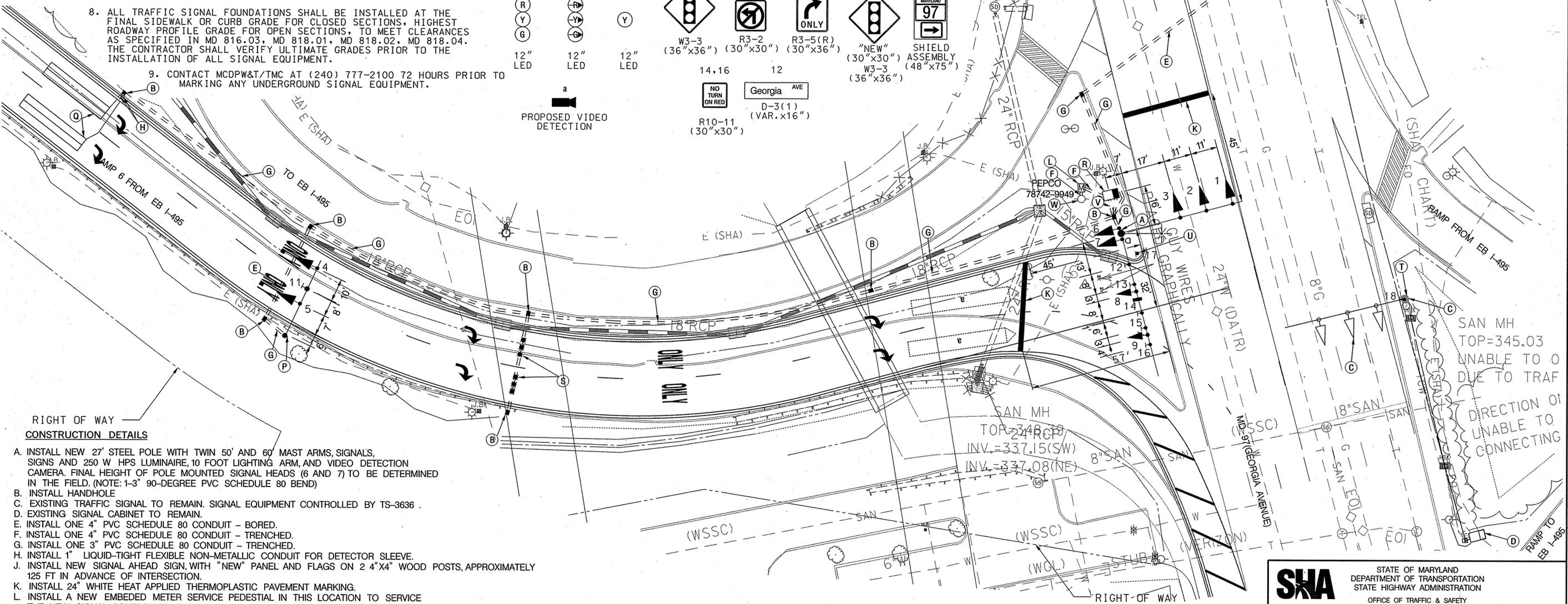
**PROPOSED SIGNS**



PROPOSED VIDEO DETECTION

INSTALL 12 PAIR INTERCONNECT CABLE AND 1-7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) TO SIGNAL CONTROLLER AT MD 97/WEST I-495 OFF RAMP.

MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



**RIGHT OF WAY CONSTRUCTION DETAILS**

- INSTALL NEW 27' STEEL POLE WITH TWIN 50' AND 60' MAST ARMS, SIGNALS, SIGNS AND 250 W HPS LUMINAIRE, 10 FOOT LIGHTING ARM, AND VIDEO DETECTION CAMERA. FINAL HEIGHT OF POLE MOUNTED SIGNAL HEADS (6 AND 7) TO BE DETERMINED IN THE FIELD. (NOTE: 1-3" 90-DEGREE PVC SCHEDULE 80 BEND)
- INSTALL HANDHOLE
- EXISTING TRAFFIC SIGNAL TO REMAIN. SIGNAL EQUIPMENT CONTROLLED BY TS-3636
- EXISTING SIGNAL CABINET TO REMAIN
- INSTALL ONE 4" PVC SCHEDULE 80 CONDUIT - BORED.
- INSTALL ONE 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- INSTALL ONE 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.
- INSTALL 1" LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- INSTALL NEW SIGNAL AHEAD SIGN, WITH "NEW" PANEL AND FLAGS ON 2 4"x4" WOOD POSTS, APPROXIMATELY 125 FT IN ADVANCE OF INTERSECTION.
- INSTALL 24" WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.
- INSTALL A NEW EMBEDDED METER SERVICE PEDESTAL IN THIS LOCATION TO SERVICE THE NEW SIGNAL CONTROLLER CABINET.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- INSTALL NEW STEEL POLE WITH A 38' MAST ARM, SIGNALS, AND SIGN, APPROXIMATELY 300 FEET FROM STOP BAR. (NOTE: 1-3" 90-DEGREE PVC SCHEDULE 80 BEND)
- INSTALL 6"x30" QUADRUPOLE LOOP DETECTOR (3-6-3 TURNS), APPROXIMATELY 440 FEET FROM STOP BAR.
- INSTALL A NEMA 6 BASE MOUNTED CABINET AND TRAFFIC SIGNAL CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (2-4" & 2-2" 90-DEGREE PVC SCHEDULE 80 BENDS)
- INSTALL NON-INVASIVE MICROLOOP DETECTOR, 220 FEET FROM STOP BAR.
- BAND SIGN TO EXISTING POLE.
- GROUND MOUNT PROPOSED SIGN ON 1-4"x4" WOOD POST.
- INSTALL TWO 4" PVC SCHEDULE 80 CONDUIT - TRENCHED FROM HANDHOLE TO CABINET.
- INSTALL ONE 4" PVC RISER ON EXISTING UTILITY POLE AND PROVIDE 3-50 FOOT 250 KCMIL CABLES COILED AT BASE FOR PEPCO USE.

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 97 (GEORGIA AVENUE)  
AT RAMP 6 FROM I-495 TO SOUTHBOUND MD 97

TRAFFIC SIGNAL PLAN	
SCALE 1" = 20'	DATE 2-2007 CONTRACT NO. MQ4195187
DESIGNED BY AMH	COUNTY MONTGOMERY
DRAWN BY AMH	LOGMILE 15009701.50
CHECKED BY JFL JAH	TMS NO. H604
FAP NO.	TOD NO.
TMS NO. 4569	DRAWING TS - 1 OF 2 SHEET NO. 16 OF 20

GEOMETRIC LEGEND	
(Symbol)	EXISTING
(Symbol)	PROPOSED

UTILITY LEGEND	
(Symbol)	STORM DRAIN
(Symbol)	GAS MAIN
(Symbol)	WATER MAIN
(Symbol)	SEWER MAIN
(Symbol)	ELECTRIC CABLES
(Symbol)	AERIAL CABLES
(Symbol)	TELEPHONE CABLES
(Symbol)	FIBER-OPTIC

APPROVALS	REVISIONS
<i>[Signature]</i> 3/13/07 TEAM LEADER	
<i>[Signature]</i> 3/13/07 ASST. DIV. CHIEF	
<i>[Signature]</i> 3/30/07 DIVISION CHIEF	
<i>[Signature]</i> 3/14/07 OFFICE DIRECTOR	

BY: Aaron Hottenstein Division: Transportation