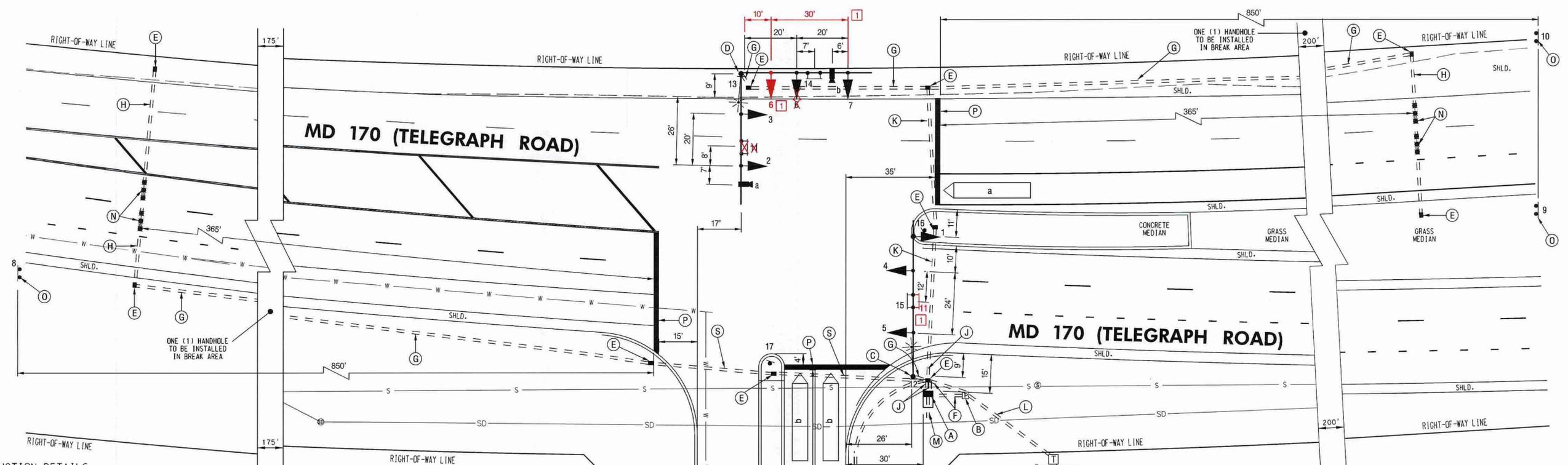


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



- CONSTRUCTION DETAILS**
- INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
  - INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE PER MD-SHA TYPICAL 807.05-01.
  - INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL MAST ARM POLE WITH A 38 FT. MAST ARM, VEHICLE SIGNAL HEADS, SIGNS, 10 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC CONDUIT BEND).
  - INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL TWIN MAST ARM POLE WITH 50 FT. MAST ARMS, VEHICLE SIGNAL HEADS, SIGNS, 10 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC CONDUIT BEND), AFTER SELECTIVE TREE TRIMMING.
  - INSTALL HANDHOLE.
  - INSTALL 2 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
  - INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
  - INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
  - INSTALL 4 IN. CONDUIT FOR AN UNDERGROUND ELECTRICAL SERVICE BY BGE. REF. WMS#344465682
  - INSTALL 2 IN. CONDUIT FOR PHONE SERVICE BY VERIZON.
  - INSTALL (NON-INVASIVE) MICRO-LOOP PROBE (SET OF 3).
  - INSTALL GROUND MOUNTED SIGN AS SHOWN.

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

- 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.
  - PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
  - GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT 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.
  - ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL MICROLOOP PROBE LEAD-IN CABLES AND VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
  - ALL UNUSED CABLE SHALL BE REMOVED.

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1-800-583-8411  
Fax 410-931-6601

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

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

- INSTALL 24 IN. WIDE PAVEMENT MARKING - WHITE FOR STOP LINE.
- INSTALL MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE).
- INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED DURING CONSTRUCTION.

Red-Line Revision [1]

SHA MDOT-SHA O.O.T.S.  
S.H.A. Approval Date 12-15-09  
T.S. - 4665 Log Mile - 02017004.90  
T. I. M. S. No. - 1-819

APPROVALS	
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 170 (Telegraph Road)  
At Buckingham Place

TRAFFIC SIGNAL PLAN			
SCALE	1" = 20'	DATE	DEC. 15, 2009
CONTRACT NO.	BW996M82	DESIGNED BY	F. Brownley/M.A.M.
COUNTY	Anne Arundel	DRAWN BY	F. Brownley
LOGMILE	02017004.90	CHECKED BY	
TIMS NO.	I-819	FAP NO.	NA
TOD NO.		TS NO.	4665
DRAWING	OF	SHEET NO.	1 OF 2