



- CONSTRUCTION DETAILS**
- A. INSTALL 27 FT. STEEL TWIN MAST ARM POLE WITH 70 FT. AND 50 FT. MAST ARMS, SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERAS, 20 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
  - B. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
  - C. INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE PER MD-SHA TYPICAL 807.05-01.
  - D. INSTALL HANDHOLE.
  - E. EXTEND POLE BASE FOUNDATION TO ENSURE CONCRETE POLE FOUNDATION SHALL BE INSTALLED AT FINAL GRADE.
  - F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
  - H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
  - K. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
  - L. INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3).
  - M. INSTALL GROUND MOUNTED SIGN.
  - N. REMOVE GROUND MOUNTED SIGN UPON SIGNAL BEING PLACED INTO OPERATION.
  - O. CAP PROPOSED CONDUIT END.
  - P. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
  - Q. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED FOR PHONE DROP.
  - R. INSTALL PULL STRING FOR ELECTRICAL SERVICE CABLE.
  - S. RELOCATE EXISTING GROUND MOUNTED SIGN AND POST. INSTALL RELOCATED EXISTING SIGN.
  - T. REMOVE ONE EXISTING SIGN AND POST AND RELOCATE ONE EXISTING SIGN ON NEWLY RELOCATED SIGN.
  - U. INSTALL NEW GROUND MOUNTED SIGN AND RELOCATED EXISTING SIGN.

- GENERAL NOTES**
1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
  2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
  3. 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.
  3. 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.

Redline Revision  
 Dated August 9, 2010  
 SHA  
 S.H.A. Approval Date  
 T.S. # 4741 T.I.M.S. # K-156

STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 MD 139 (CHARLES STREET) & GREENWOOD ROAD/  
 TOWSON WEST ELEMENTARY SCHOOL  
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**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

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.

APPROVALS	REVISIONS	TRAFFIC SIGNAL PLAN
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	RED-LINE PLAN SHA No. BW996M82 August 9, 2010 TIG File	SCALE 1" = 20' DATE MARCH 2, 2010 CONTRACT NO. BW996M82 DESIGNED BY FRANK HOECKEL DRAWN BY FRANK HOECKEL CHECKED BY F.A.P. NO. N/A COUNTY BALTIMORE LOGMILE 03013902.61 TMS NO. K-156 TOD NO.
		TS NO. 4741 DRAWING SG-01 OF 01 SHEET NO. 1 OF 2

PLOTTED BY: F.Hoeckel