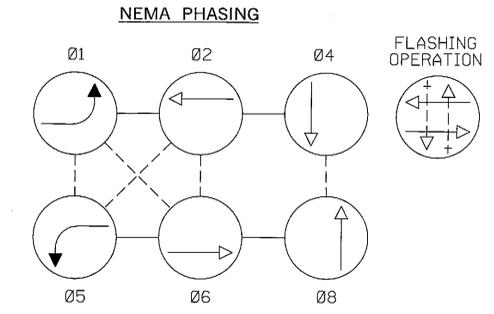
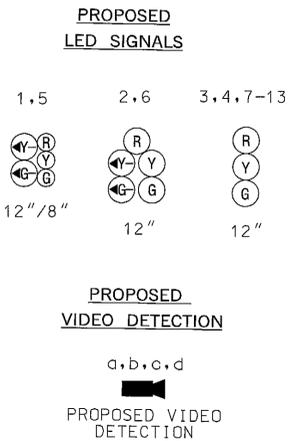
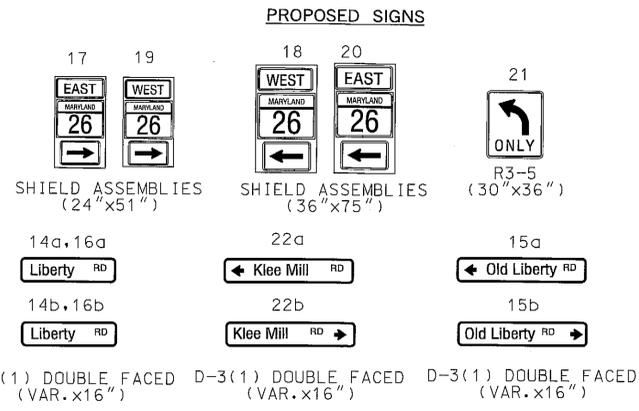
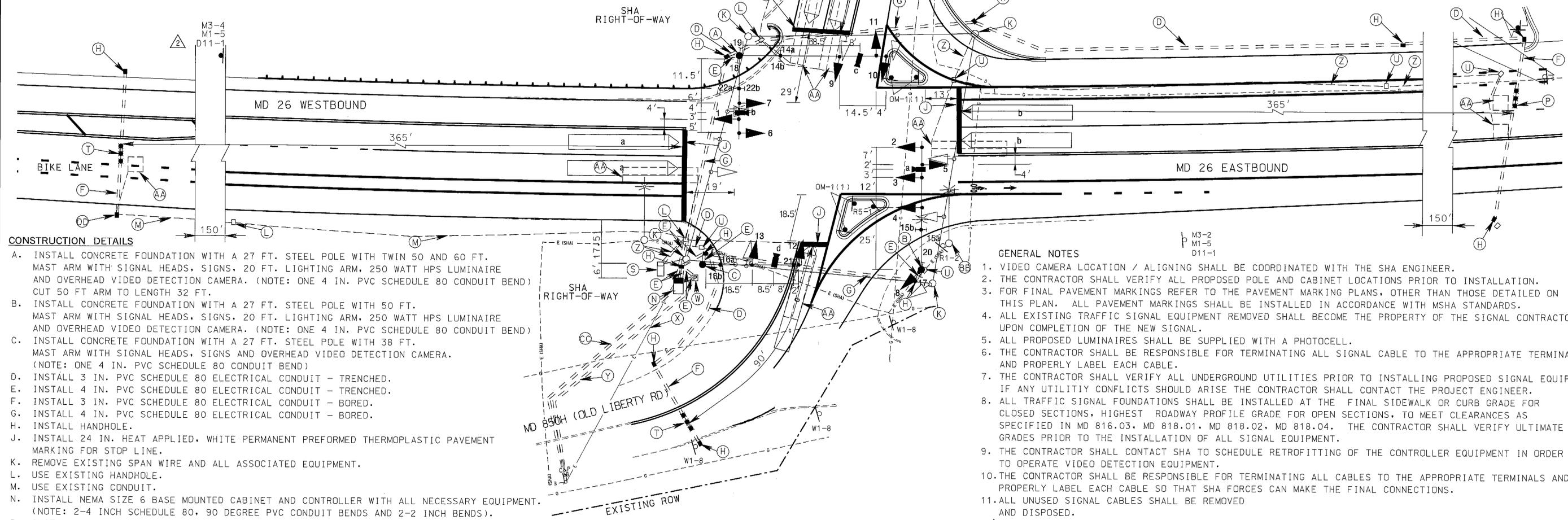


NOTE: MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



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

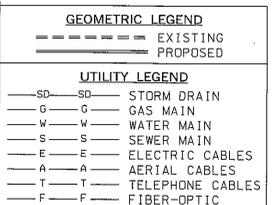
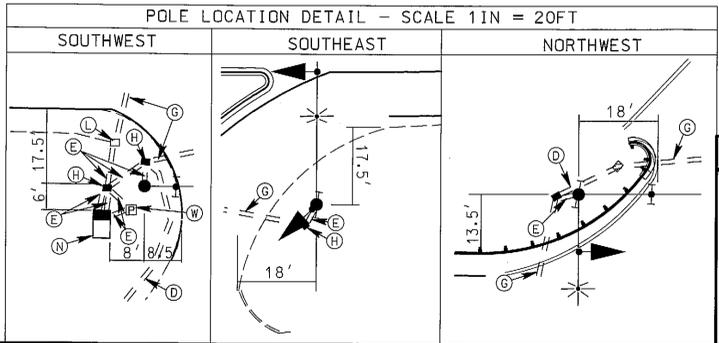


CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 AND 60 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND) CUT 50 FT ARM TO LENGTH 32 FT.
- B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND)
- C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 38 FT. MAST ARM WITH SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND)
- D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- H. INSTALL HANDHOLE.
- J. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- K. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- L. USE EXISTING HANDHOLE.
- M. USE EXISTING CONDUIT.
- N. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2-4 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS AND 2-2 INCH BENDS).
- P. INSTALL NON-INVASIVE MICROLOOP PROBES WITH 1000 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- S. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- T. INSTALL NON-INVASIVE MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- U. EXISTING HANDHOLE TO BE REMOVED.
- W. INSTALL 200 AMP METERED PEDESTAL.

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. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THIS PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. 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.
8. 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.
9. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
11. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.
12. THE CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.



- X. TO BE DISCONNECTED BY BGE WHEN EXISTING STRAIN POLE IS REMOVED.
- Y. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- Z. EXISTING CONDUIT TO BE ABANDONED.
- AA. EXISTING LOOP TO BE ABANDONED.
- BB. REMOVE ROADWAY LIGHTING STRUCTURE.
- CC. INSTALL 2 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- DD. INSTALL NEW HANDHOLE IN SAME LOCATION AS EXISTING HANDHOLE AND CONNECT EXISTING CONDUIT "M".

ADDENDUM NO. 2 07/ /09

APPROVALS	REVISIONS
TEAM LEADER	① SIGNAL RECONSTRUCTION DUE TO ROADWAY WIDENING. CL3145168 06/16/09
ASST. DIV. CHIEF	TCC SDY 11/12/08 11/23/08 11/23/08
DIVISION CHIEF	② AS-BUILT BW 915-MB1 08/21/88
OFFICE DIRECTOR	③ REPLACE LOOPS ON KLEES MILL DUE TO RIGHT LANE WIDENING. BW 915-MB1 08/21/88

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 26 AT KLEE MILL RD / MD 850 (OLD LIBERTY RD)

TRAFFIC SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 07-19-88 CONTRACT NO. CL-73C-504-785

DESIGNED BY WJ NIES COUNTY CARROLL
DRAWN BY RR ZACHERL LOGMILE 06002807.19
CHECKED BY TIMS NO. J071
F.A.P. NO. TOD NO.

TS NO. 4759C DRAWING SG - 01 OF 2 SHEET NO. 76 OF 80



BY: bpost