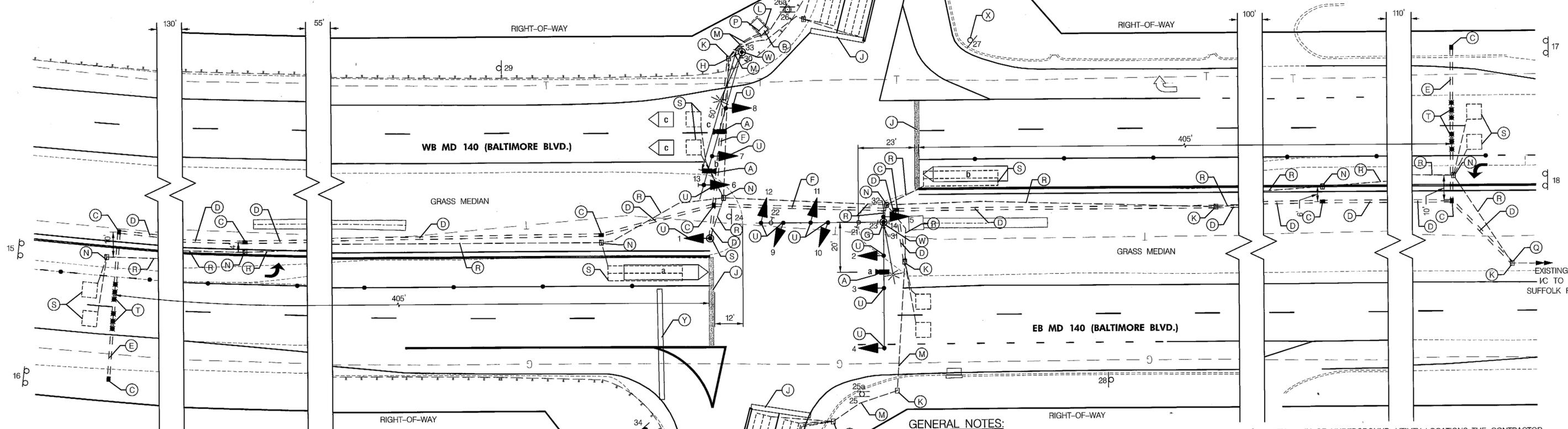
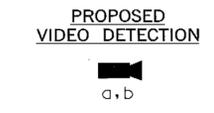
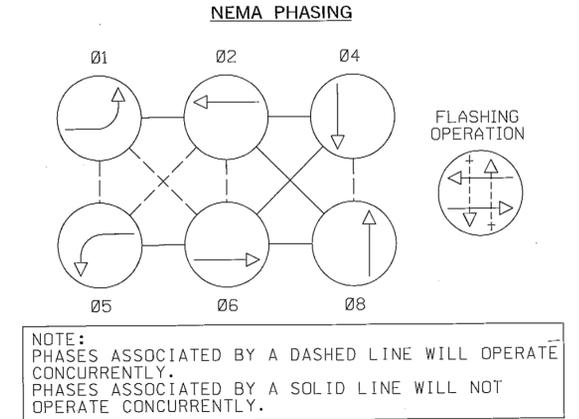
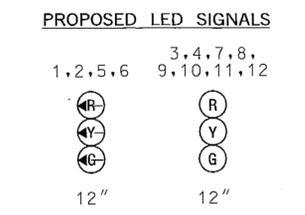
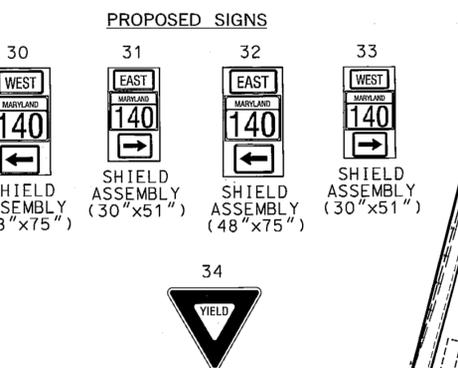
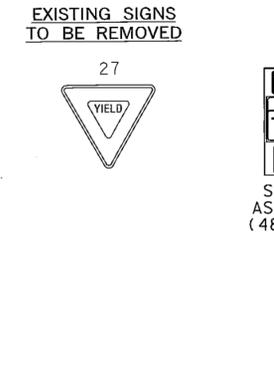
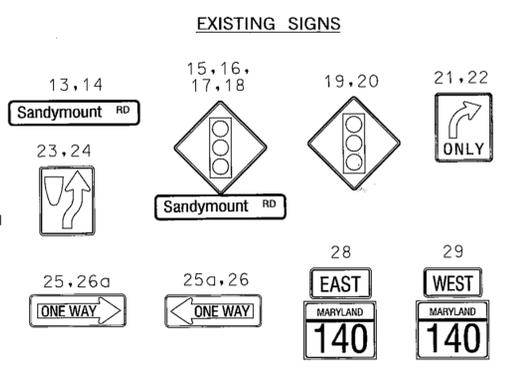
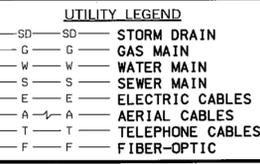
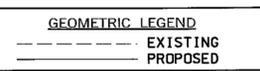


MD 140 IS ASSUMED TO RUN IN AN EASTWEST DIRECTION



**CONSTRUCTION DETAILS**

- A. INSTALL PROPOSED VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- B. INSTALL VIDEO DETECTOR MODULE INTO EXISTING BASE MOUNTED CONTROLLER CABINET. (TO BE PERFORMED BY SHA FORCES).
- C. INSTALL HANDHOLE
- D. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).
- E. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED).
- F. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED).
- G. INSTALL 3 IN. 90 DEGREE CONDUIT BEND IN EXISTING FOUNDATION.
- H. INSTALL 3/4" x 10 FT. GROUND ROD INTO EXISTING HANDHOLE.
- J. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- K. USE EXISTING HANDHOLE.
- L. USE EXISTING CONTROLLER CABINET.
- M. USE EXISTING CONDUIT.
- N. REMOVE EXISTING HANDHOLE.
- P. DISCONNECT EXISTING INTERCONNECT CABLE FROM THE CONTROLLER CABINET AT SANDYMOUNT ROAD AND MD 140.
- Q. PULLBACK INTERCONNECT CABLE AND REROUTE BACK TO THE CONTROLLER CABINET UTILIZING PROPOSED CONDUIT AND HANDBOXES.
- R. CAP AND ABANDON EXISTING CONDUIT.
- S. CUT AND ABANDON EXISTING LOOP DETECTOR.
- T. INSTALL NON-INVASIVE MICROLOOP PROBE SETBACK DETECTORS. (SET OF 3)
- U. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW LED TRAFFIC SIGNAL HEAD IN SAME LOCATION.



- W. INSTALL POLE MOUNTED SIGN
- X. REMOVE AND DISPOSE OF EXISTING GROUND MOUNTED SIGN AND SUPPORT
- Y. REMOVE EXISTING STOP LINE
- Z. INSTALL GROUND MOUNTED SIGN AND SUPPORT

**GENERAL NOTES:**

1. PAVEMENT MARKINGS SHOWN ON DRAWING ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR ACCORDING TO THE SIGNING AND MARKING PLAN, WITH THE EXCEPTION OF ALL STOP LINES.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
3. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
5. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING SHA STANDARDS PLATES FOR TRAFFIC CONTROL.
6. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
7. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR THE INSTALLATION OF THE VIDEO DETECTOR MODULE AND ALL INTERNAL CABINET WIRING. CONTACT MR. ED RODENHIZER AT 410-787-7652 72 HOURS PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

9. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
10. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
11. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL THROUGHOUT THE CONSTRUCTION PROCESS UNTIL SUCH TIME THAT THE NEW CONSTRUCTION CAN BE UTILIZED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SPLICE KITS NEEDED FOR SPLICING THE PROPOSED 2 CONDUCTOR (ALUMINUM SHIELDED) CABLE TO THE EXISTING LOOP WIRE AND THERE SHALL BE NO CHARGE TO THE STATE FOR NEITHER THIS ITEM NOR FOR THEIR INSTALLATION.

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 140 (BALTIMORE BOULEVARD) AT SANDYMOUNT ROAD

BY: \$USER\$

<p><b>RJM ENGINEERING, INC.</b> CONSULTING ENGINEERS COLUMBIA, MARYLAND</p>	<p>APPROVALS</p> <p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>REVISIONS</p> <p>TS NO. CHANGED FROM 2456 TO 4626</p> <p>INSTALL LT VIDEO DETECTION, RELOCATE HANDHOLES</p> <p>CONTRACT NO. CL3445187 12/2007</p> <p>PERM. NO. 1012 ROBERTA THORNTON</p> <p>B. UPGRADE TO FULL-TRAFFIC ACTUATED SIGNAL/LT</p> <p>MEL 5/1999</p> <p>A. ASBUILT I.C.B.</p> <p>CONTRACT - CL732451785 4/1991</p> <p>MEL</p> <p>FILE: \$FILES\$</p>	<p><b>SIGNALIZATION PLAN</b></p> <p>SCALE 1" = 20' DATE 1-13-1989 CONTRACT NO. CL732451785</p> <p>DESIGNED BY RR ZACHERL COUNTY CARROLL</p> <p>DRAWN BY DA NIES LOGMILE 06014004.00</p> <p>CHECKED BY EMM DJD TMS NO. 1347</p> <p>FAP NO. TOD NO.</p> <p>TS NO. 4626C DRAWING SG-01 SHEET NO. 18 OF 25</p>
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