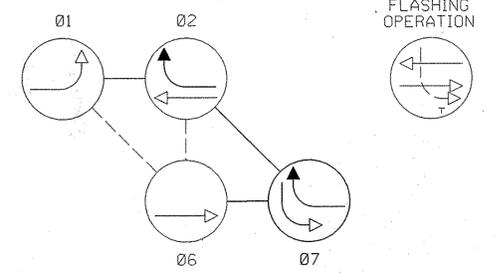


NOTE: MD 175 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

**GENERAL NOTES**

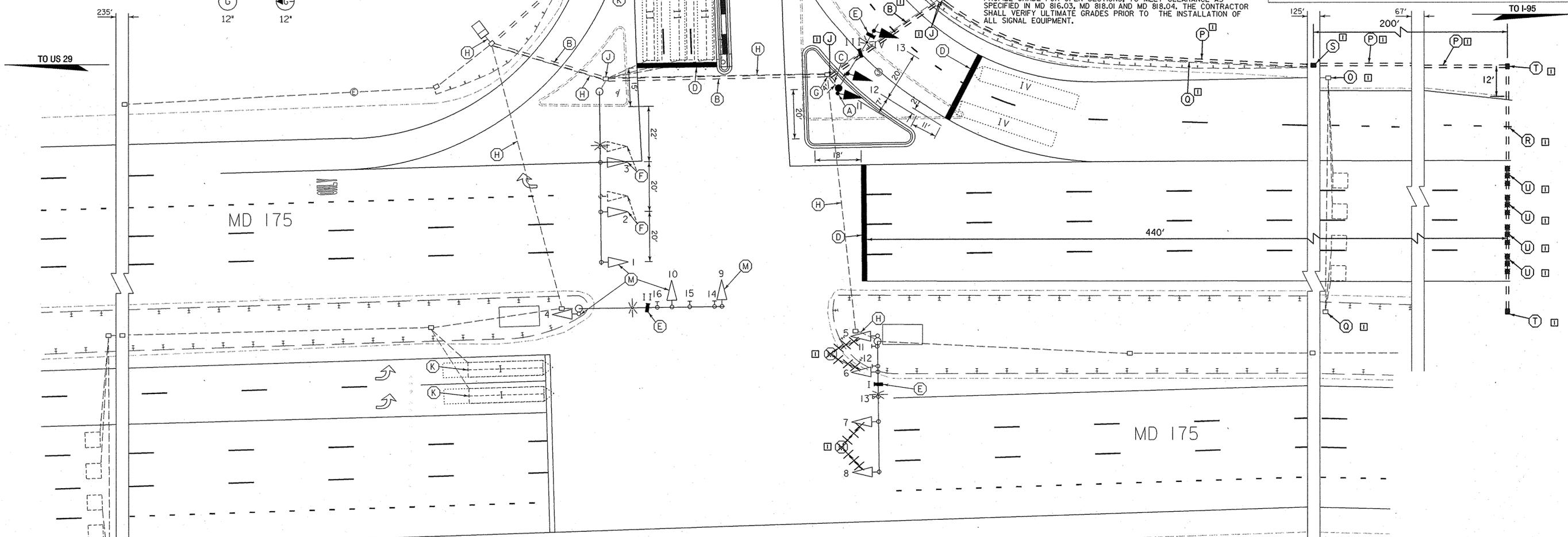
1. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THIS PLAN ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. SEQUENCE OF CONSTRUCTION FOR THE SIGNAL IS ADDRESSED IN THE TRAFFIC CONTROL NOTES TPOI.
4. ALL EXISTING UNUSED ELECTRICAL CABLES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
5. ALL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
6. THE ROADWAY RIGHT-OF-WAY FALLS OUTSIDE OF THE LIMITS OF THIS PLAN SHEET. SEE PSOI FOR EXACT RIGHT-OF-WAY LOCATIONS.
7. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

**NEMA PHASING**



**PHASING NOTES:**

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

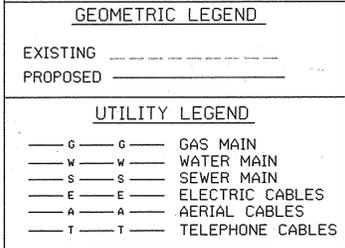


**CONSTRUCTION DETAILS**

- |   |   |
|---|---|
| <p>(A) INSTALL 27 FT. STEEL POLE WITH 38 FT. ARM. (NOTE: 1-3 IN. SCHEDULE 80, 90-DEGREE PVC ELECTRICAL CONDUIT IN POLE BASE); BLACK FACED LED TRAFFIC SIGNAL HEADS, 20 FT. STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE; CLEAN, CUT, GALVANIZE AND CAP TRAFFIC SIGNAL MAST ARM.</p> <p>(B) INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.</p> <p>(C) INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED PRIOR TO FINAL ISLAND CONSTRUCTION.</p> <p>(D) INSTALL 24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE, AS DIMENSIONED ON PLAN.</p> <p>(E) INSTALL VIDEO DETECTION CAMERA USING PEDESTAL BRACKET TO MAST ARM.</p> <p>(F) REMOVE EXISTING YELLOW FACED SIGNAL HEAD AND INSTALL NEW BLACK FACED LED SIGNAL HEAD AT NEW LOCATION.</p> <p>(G) ADJUST EXISTING ELECTRICAL HANDHOLE. CONNECT NEW CONDUIT INTO EXISTING HANDHOLE.</p> <p>(H) MAINTAIN EXISTING CONDUIT.</p> <p>(J) CONNECT NEW CONDUIT INTO EXISTING HANDHOLE.</p> <p>(K) DISCONNECT AND ABANDON EXISTING VEHICLE DETECTOR.</p> | <p>(L) CONDUIT/HANDHOLE TO BE INSTALLED AS PART OF INTERCONNECT PLAN.</p> <p>(M) REMOVE EXISTING YELLOW FACED SIGNAL HEAD AND INSTALL NEW BLACK FACED LED SIGNAL HEAD.</p> <p>(N) REMOVE EXISTING HANDHOLE.</p> <p>(O) INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.</p> <p>(P) CAP AND ABANDON EXISTING CONDUIT/HANDHOLE.</p> <p>(R) INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - DIRECTIONALLY BORED, FOR THE INSTALLATION OF NON-INVASIVE PROBES.</p> <p>(S) INSTALL NEW HANDHOLE.</p> <p>(T) INSTALL NEW HANDHOLE. (NOTE: HANDHOLES TO BE INSTALLED WITH LONG DIMENSION PERPENDICULAR TO ROADWAY TO FACILITATE THE INSTALLATION OF NON-INVASIVE PROBES.)</p> <p>(U) INSTALL NON-INVASIVE LOOP DETECTORS.</p> |
|---|---|

**GENERAL NOTES (CONT.)**

8. THE CONTRACTOR SHALL COIL APPROXIMATELY 30 LINEAR FEET OF VIDEO CAMERA LEAD IN CABLE FOR THE EASTBOUND CAMERA (T). CABLE CAN BE COILED IN HANDBOXES AND IN THE BOTTOM OF THE CONTROL CABINET TO CREATE THE REQUIRED SLACK.



REVISION 1 CONSULTANT

**WALLACE, MONTGOMERY & ASSOCIATES, LLP**

CIVIL AND STRUCTURAL ENGINEERS

110 West Road  
 Suite 300  
 Towson, Maryland 21204

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION ENGINEER</p> <p>OFFICE DIRECTOR</p> <p>SURVEY BOOK NO.</p>	<p>03-25-05 ADD DOUBLE RIGHT-TURN SIGNAL DUE TO WIDENING FOR SECOND RIGHT-TURN LANE ON W/B MD 175</p> <p>CONTRACT NO. _____</p> <p>M.J.A. [Signature]</p> <p>06-94 REVISION NO. 2 TO SMA CONTRACT NO. HD 124-501-716</p> <p>03-25-93 REDLINE REVISION TO SMA CONTRACT NO. HD 124-501-716</p> <p>F. 01-93 RELOCATED MAST ARMS, CONTROLLER &amp; REVISED DETECTION DUE TO ROAD WIDENING</p> <p>CONTRACT NO. HD 124-501-716</p> <p>M.M. [Signature] D.J.D. [Signature] E.T.P. [Signature] T.H. [Signature]</p>

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

**MD 175 AND MD 108**  
 SIGNAL PLAN

SG-01

SCALE 1" = 20' DATE 6-2-72 CONTRACT NO. HD-433X-775

DESIGNED BY BILL RICHARDSON TS NO. 558 I

DRAWN BY BILL RICHARDSON T.I.M.S. NO. G875

CHECKED BY WILLIAM FITCH F.A.P. NO. \_\_\_\_\_

COUNTY HOWARD LOGMILE 13010815.24

DRAWING NO. 1 OF 6 SHEET NO. 39 OF 49

INDEXED