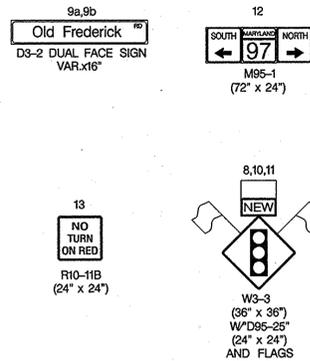
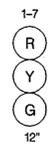


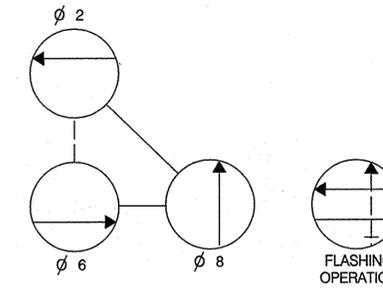
PROPOSED SIGNS



PROPOSED SIGNALS

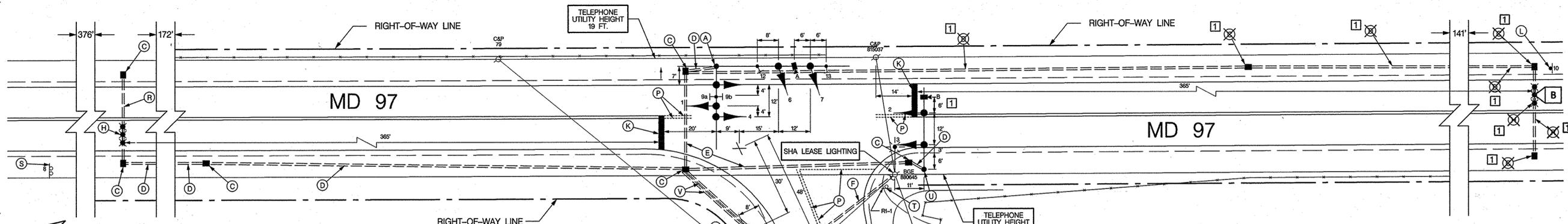


NEMA PHASING



PHASING NOTES:  
 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



CONSTRUCTION DETAILS

- A. INSTALL 16.5 FT. "SPECIAL T" TWIN MAST ARM POLE WITH 5050 FT. MAST ARMS, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS, CUT MAST ARMS AS NECESSARY)
- B. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- C. INSTALL ELECTRICAL HANDHOLE
- D. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- E. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- F. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED (STUB-UP AT BASE OF UTILITY POLE)
- G. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED (STUB UP AT BASE OF UTILITY POLE)
- H. INSTALL NON-INVASIVE DETECTOR PROBE IN CONDUIT
- J. INSTALL METER SERVICE PEDESTAL
- K. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- L. INSTALL W3-3 SIGN ON ONE-4 IN. X 6 IN. WOOD SUPPORT AT APPROX. 400' FROM STOP LINE
- M. INSTALL W3-3 SIGN ON ONE-4 IN. X 6 IN. WOOD SUPPORT
- N. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- P. REMOVE EXISTING PAVEMENT MARKING
- R. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- S. REMOVE EXISTING W2-1(1) SIGN AND REPLACE WITH W3-3, D95-25 SIGN, & FLAGS (MAINTAIN SNS & SPEED ADVISORY PANEL ON EXISTING SUPPORTS)
- T. REMOVE EXISTING SIGN AND SUPPORT
- U. INSTALL 15 FT. "SPECIAL T" MAST ARM POLE WITH 38 FT. MAST ARM AND SIGNAL HEADS AND VIDEO DETECTION CAMERA [1] (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS, CUT MAST ARM AS NECESSARY)
- V. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS 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 TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. 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 CLEARANCE 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.
3. INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS

[1] REDLINE REVISION 12/12/2008  
 TEBD APPROVAL

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

MD 97 & OLD FREDERICK ROAD (SOUTH)  
 COOKSVILLE, MARYLAND

TRAFFIC SIGNAL PLAN  
 SCALE 1"=20' DATE 10-9-08 CONTRACT NO. AX1425185

DESIGNED BY M.ROSEN /S.RENZI COUNTY HOWARD  
 DRAWN BY M.ROSEN LOGMILE 13009707.46  
 CHECKED BY S.RENZI T.I.M.S. NO. I-997  
 F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-4679 SHEET NO. 1 OF 2

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.

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APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

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