

DRILL HOLES

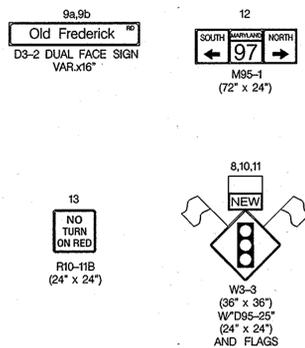
DRILL HOLES

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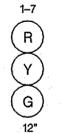


MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS



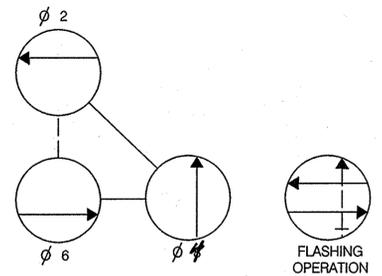
PROPOSED SIGNALS



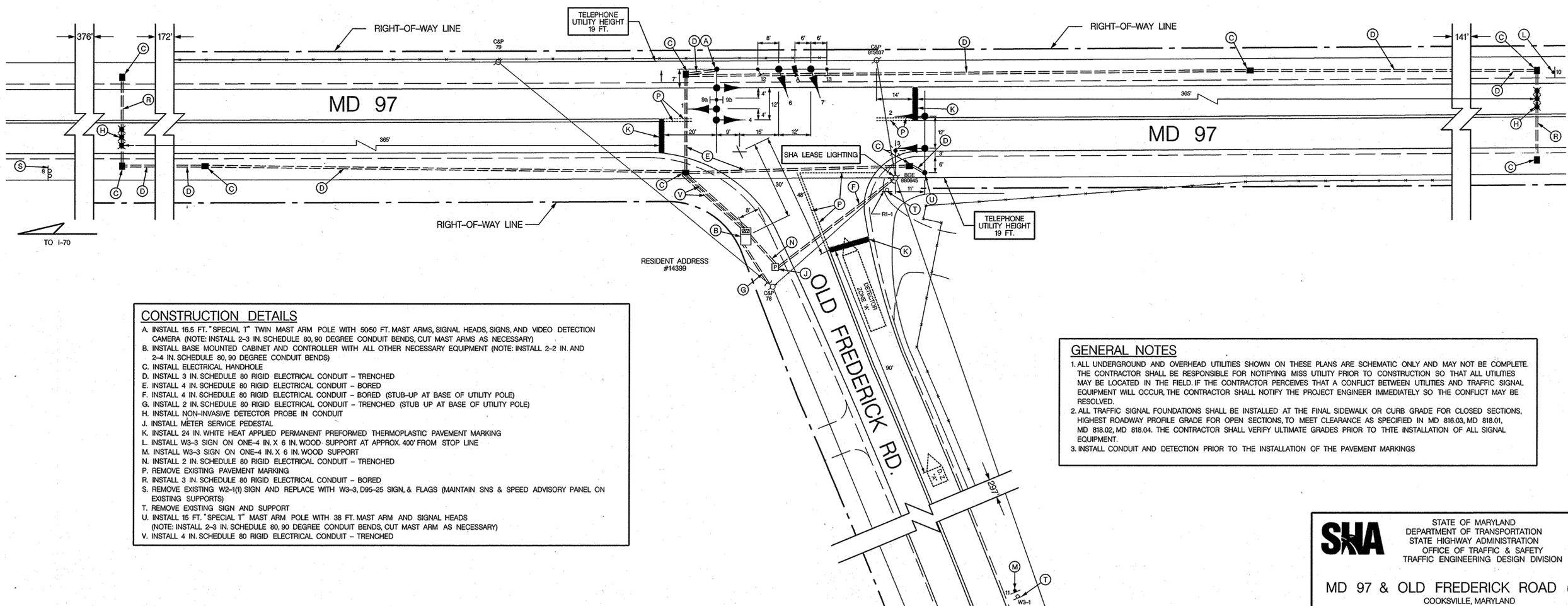
PROPOSED VIDEO DETECTION CAMERA



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.



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...
B. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT...
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...
I. INSTALL METER SERVICE PEDESTAL...
J. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING...
K. INSTALL W3-3 SIGN ON ONE-4 IN. X 6 IN. WOOD SUPPORT AT APPROX. 400' FROM STOP LINE...
L. INSTALL W3-3 SIGN ON ONE-4 IN. X 6 IN. WOOD SUPPORT...
M. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED...
N. REMOVE EXISTING PAVEMENT MARKING...
O. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED...
P. REMOVE EXISTING W2-(1) SIGN AND REPLACE WITH W3-3, D95-25 SIGN, & FLAGS (MAINTAIN SNS & SPEED ADVISORY PANEL ON EXISTING SUPPORTS)...
Q. REMOVE EXISTING SIGN AND SUPPORT...
R. INSTALL 15 FT. "SPECIAL T" MAST ARM POLE WITH 38 FT. MAST ARM AND SIGNAL HEADS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS, CUT MAST ARM AS NECESSARY)...
S. 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

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE --- A ---
ELECTRICAL --- E ---
TELEPHONE --- T ---
GAS --- G ---
SEWER --- S ---
WATER --- W ---
CABLE TV --- TV ---

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Table with columns for APPROVALS and REVISIONS. Includes signatures and dates for TEAM LEADER, ASST. DIV. CHIEF, and OFFICE DIRECTOR.

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. AX1426185
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-9E7
F.A.P. NO. N/A TOD NO.
DRAWING NO. TS-4679 SHEET NO. 1 OF 2

TOD NO: AX142-24M
SHA NO: HO40745185
MD 97 @ OLD FREDERICK RD

FILE PATH: J:\DATA\997\From Traffic Concepts\101408\signal.dgn
DATE: Tuesday, October 14, 2008 AT 10:50 AM