



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

EXISTING SIGNS TO BE REMOVED



EXISTING SIGNS

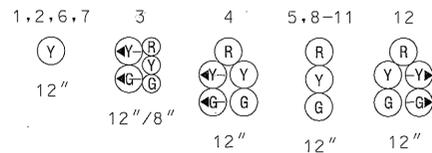
15 Roxbury Mills Rd



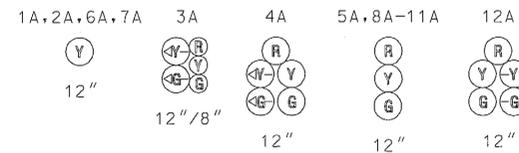
PROPOSED VIDEO DETECTION CAMERA



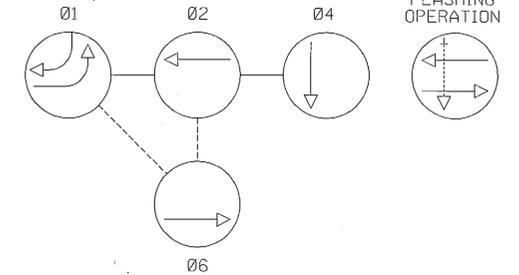
PROPOSED SIGNALS



EXISTING SIGNALS



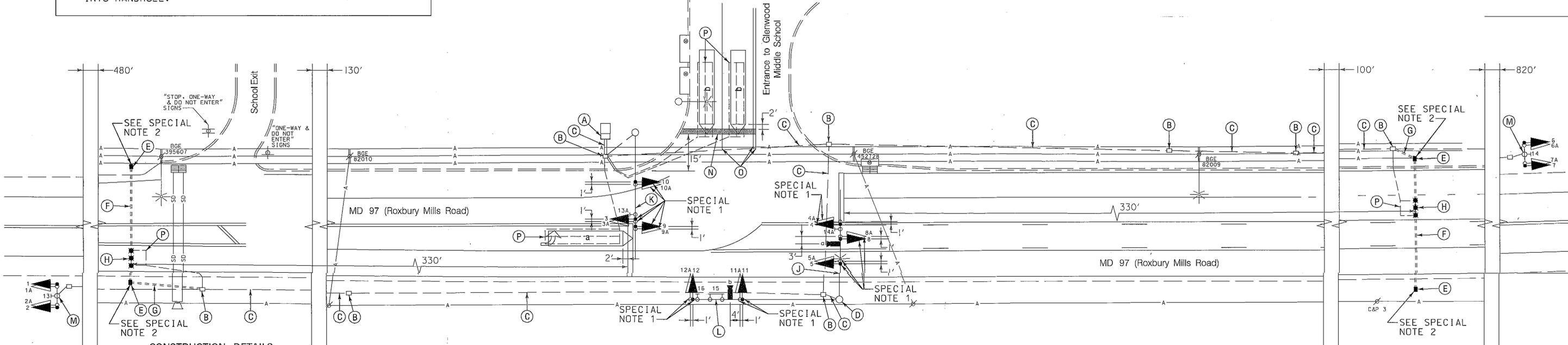
NEMA PHASING



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

SPECIAL NOTES:

- DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
- INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.



CONSTRUCTION DETAILS

- A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
- B. USE EXISTING HANDHOLE.
- C. USE EXISTING CONDUIT.
- D. USE EXISTING STEEL POLE.
- E. INSTALL HANDHOLE.
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- J. USE EXISTING MAST ARM AND INSTALL OVERHEAD VIDEO DETECTION CAMERA ON EXISTING MAST ARM. REMOVE EXISTING SIGNAL HEADS AND SIGN AND INSTALL NEW LED SIGNAL HEADS AS SHOWN.
- K. REMOVE EXISTING SIGNAL HEADS AND SIGN AND INSTALL NEW LED SIGNAL HEADS AS SHOWN.
- L. USE EXISTING MAST ARM AND INSTALL OVERHEAD VIDEO DETECTION CAMERA ON EXISTING MAST ARM. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW LED SIGNAL HEADS AS SHOWN.
- M. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW LED SIGNAL HEADS ON PEDESTAL AS SHOWN.
- N. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- O. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
- P. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

GENERAL NOTES

- 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.
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

TOD No: XX354-04  
SHA No: HO467K51  
MD 97 @ MD 144A: Union Chapel Rd

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 97 (Roxbury Mills Road) and Entrance to Glenwood Middle School  
Glenwood, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 5/01/98 CONTRACT NO. AW-280-5185

DESIGNED BY C. Jednorski COUNTY Howard  
DRAWN BY C. Jednorski LOGMILE 13009704.69  
CHECKED BY M.A.B. TMS NO. J553  
F.A.P. NO. TOD NO.

TS NO. 3794A DRAWING TSP-1 OF 3 SHEET NO. 1 OF 3

GEOMETRIC LEGEND	
	EXISTING
	PROPOSED

UTILITY LEGEND	
—SD—	STORM DRAIN
—G—	GAS MAIN
—W—	WATER MAIN
—S—	SEWER MAIN
—E—	ELECTRIC CABLES
—A—	AERIAL CABLES
—T—	TELEPHONE CABLES
—F—	FIBER-OPTIC

**WR&A**  
WHITMAN, REQUARDT & ASSOCIATES, LLP  
801 South Caroline Street, Baltimore, Maryland 21231

APPROVALS	
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
NO.	DESCRIPTION

PLOTTED: 04-19-2010  
FILE: n:\3168-050\CADD\p89-P001\_8553.dgn

BY: sbloss