



MD 542 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

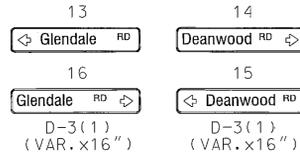
**EXISTING SIGNS  
TO BE REMOVED**



**PROPOSED SIGNS**



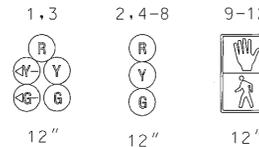
**EXISTING SIGNS**



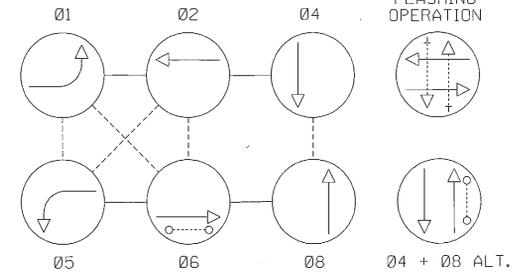
**PROPOSED VIDEO  
DETECTION CAMERA**



**EXISTING SIGNALS**



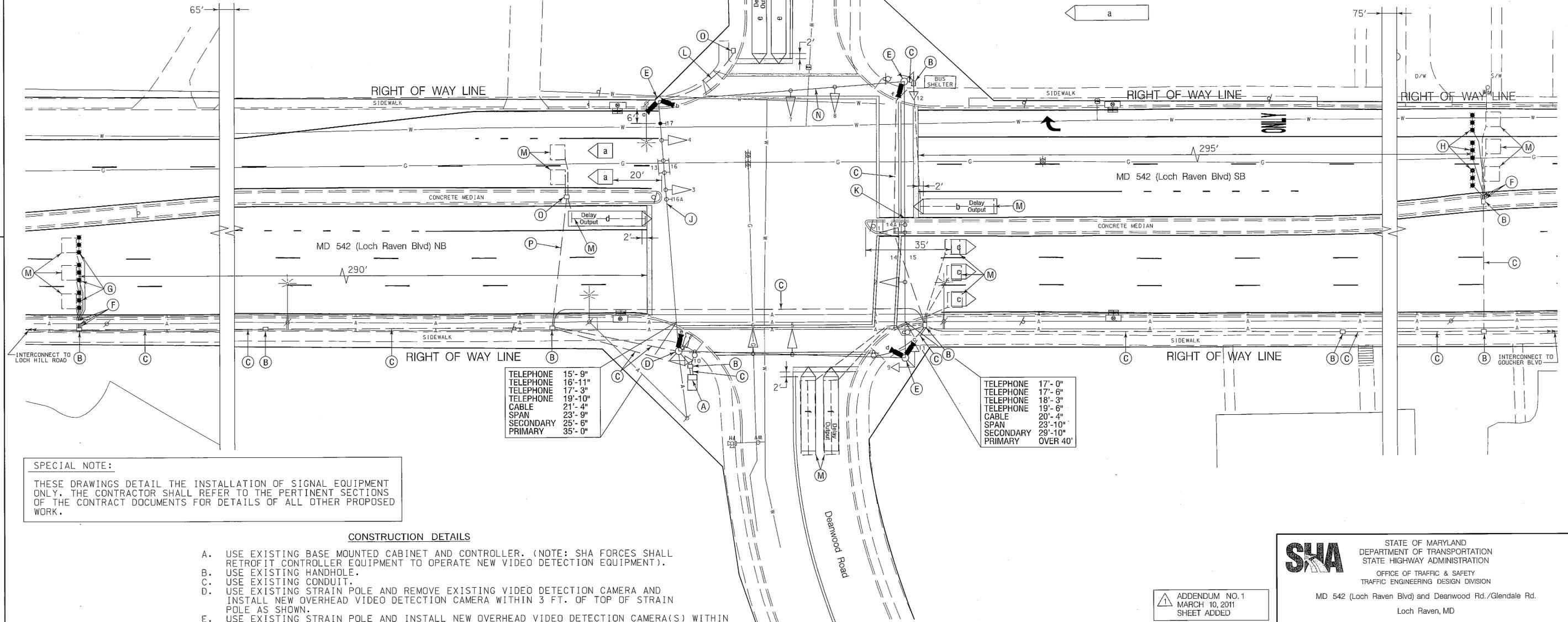
**NEMA PHASING**



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

**GENERAL NOTES**

1. 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.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
5. SEE SIGNING AND MARKING PLANS FOR PAVEMENT MARKING DETAILS.



TELEPHONE	15'-9"
TELEPHONE	16'-11"
TELEPHONE	17'-3"
TELEPHONE	19'-10"
CABLE	21'-4"
SPAN	23'-9"
SECONDARY	25'-6"
PRIMARY	35'-0"

TELEPHONE	17'-0"
TELEPHONE	17'-6"
TELEPHONE	18'-3"
TELEPHONE	19'-6"
CABLE	20'-4"
SPAN	23'-10"
SECONDARY	29'-10"
PRIMARY	OVER 40'

**SPECIAL NOTE:**

THESE DRAWINGS DETAIL THE INSTALLATION OF SIGNAL EQUIPMENT ONLY. THE CONTRACTOR SHALL REFER TO THE PERTINENT SECTIONS OF THE CONTRACT DOCUMENTS FOR DETAILS OF ALL OTHER PROPOSED WORK.

**CONSTRUCTION DETAILS**

- A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE NEW VIDEO DETECTION EQUIPMENT).
- B. USE EXISTING HANDHOLE.
- C. USE EXISTING CONDUIT.
- D. USE EXISTING STRAIN POLE AND REMOVE EXISTING VIDEO DETECTION CAMERA AND INSTALL NEW OVERHEAD VIDEO DETECTION CAMERA WITHIN 3 FT. OF TOP OF STRAIN POLE AS SHOWN.
- E. USE EXISTING STRAIN POLE AND INSTALL NEW OVERHEAD VIDEO DETECTION CAMERA(S) WITHIN 3 FT. OF TOP OF STRAIN POLE AS SHOWN.
- F. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
- G. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN (TO BE PLACED IN THRU LANE ONLY).
- H. INSTALL MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN (TO BE PLACED IN THRU LANE ONLY).
- J. REMOVE EXISTING R10-12 SIGN FROM SPAN WIRE AND INSTALL R3-5(R) SIGN AS SHOWN.
- K. REMOVE EXISTING R10-12 SIGN FROM SPAN WIRE AS SHOWN.
- L. CAP AND ABANDON EXISTING CONDUIT.
- M. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- N. USE EXISTING SPAN WIRE.
- O. REMOVE EXISTING HANDHOLE.



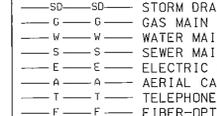
**WHITMAN, REQUARDT  
& ASSOCIATES, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231

BY: sbloss

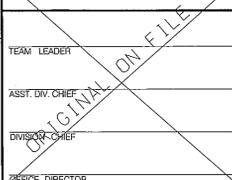
**GEOMETRIC LEGEND**



**UTILITY LEGEND**



**APPROVALS**



**REVISIONS**

1	UPGRADED VIDEO DETECTION AND REPLACED DETECTION DUE TO RESURFACING	SHA NO. BA8695177 TMS# J416 3/01/2011
2	REPLACED FAILED LOOP DETECTOR	SHA NO. 07-2005 01/2006
3	INSTALL AUDIBLE PED SIGNAL AND BASE MOUNTED CABINET REVISION NO. 1	SHA NO. AT5665185 11/23/2004

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 542 (Loch Raven Blvd) and Deanwood Rd./Glendale Rd.  
Loch Raven, MD

**TRAFFIC SIGNALIZATION PLAN**  
SCALE 1" = 20'. ADVERTISED DATE \_\_\_\_\_ CONTRACT NO. B785501485  
DESIGNED BY B. Thompson COUNTY Baltimore  
DRAWN BY B. Thompson LOGMILE 03054203.41  
CHECKED BY D. Doda TMS NO. F841  
F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_  
TS NO. 2007 DRAWING TSP-3 OF 5 SHEET NO. 252C OF 301