



MD 25 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

SPECIAL NOTE:

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.

EXISTING SIGN TO BE REMOVED



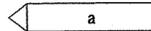
PROPOSED SIGNS



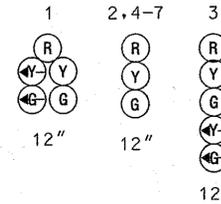
PROPOSED VIDEO DETECTION CAMERA



VIDEO ZONE DETECTION



PROPOSED SIGNALS

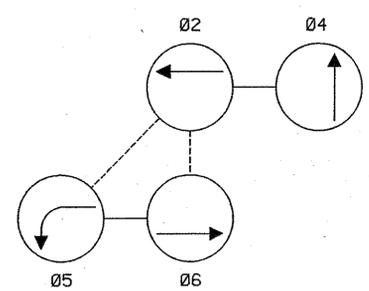


NEMA PHASING

NORMAL OPERATION



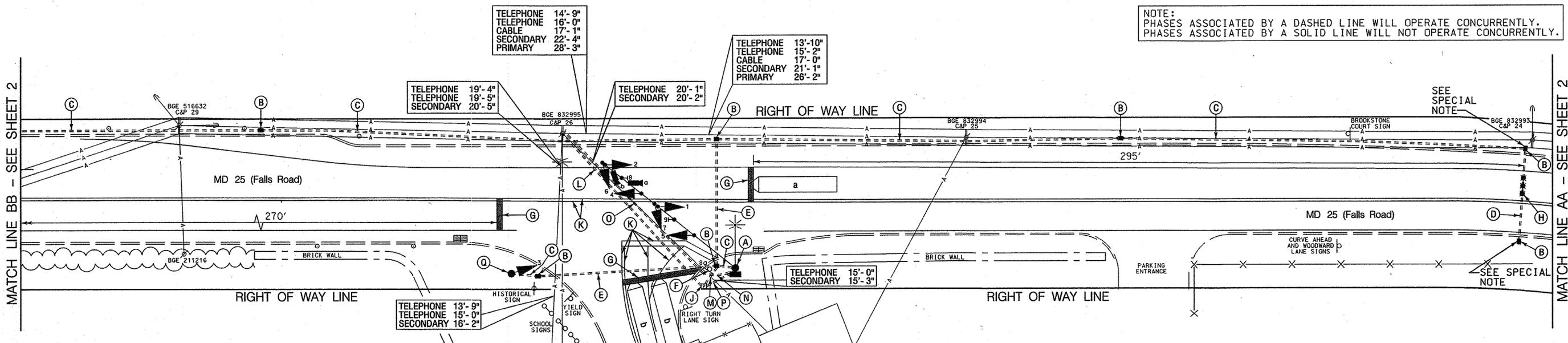
SPECIAL OPERATION



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

MATCH LINE BB - SEE SHEET 2

MATCH LINE AA - SEE SHEET 2



CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A 70 FT. (CUT TO 65 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS AND POLE MOUNTED CABINET AND CONTROLLER. (INSTALL 1-3 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- B. INSTALL HANDHOLE.
- C. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- F. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
- G. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- H. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- J. INSTALL EMBEDDED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE.
- K. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOPLINE.
- L. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE - BORED. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
- M. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- N. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE.
- O. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND TELEPHONE - BORED. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
- P. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
- Q. INSTALL CONCRETE FOUNDATION WITH 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE AND TRAFFIC SIGNAL HEAD. (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).

GENERAL NOTES

1. 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 CLEARANCES 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.
2. 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.
3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

TOD NO: XX446-04
SHA NO: BA864A53/B53
MD 25@ ST PAUL SCHOOL RD

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 25 (Falls Road) and St. Paul's School Road
Brooklandville, MD



Whitman, Reardon and Associates, LLP
Engineers, Architects and Planners

801 South Caroline Street
Baltimore, Maryland 21231
410-235-3450

| APPROVALS | REVISIONS |
|-----------------------------|-----------|
| <i>[Signature]</i> 12/22/08 | |
| <i>[Signature]</i> 12/12/08 | |
| <i>[Signature]</i> 12/12/08 | |
| <i>[Signature]</i> 12/15 | |

| TRAFFIC SIGNALIZATION PLAN | |
|---|------------------------|
| SCALE 1" = 20' ADVERTISED DATE 12/12/08 | CONTRACT NO. XX4465185 |
| DESIGNED BY S. Bloss | COUNTY Baltimore |
| DRAWN BY S. Bloss | LOGMILE 03025004.55 |
| CHECKED BY N. Leary | TMS NO. J205 |
| F.A.P. NO. | TOD NO. |
| TS NO. 4698 | DRAWING TSP-1 OF 3 |
| | SHEET NO. 1 OF 3 |

PLOTTED: 12-14-2008
FILE: n:\31556-108\CADD\TSP-001_206.dgn

BY: SBLOSS