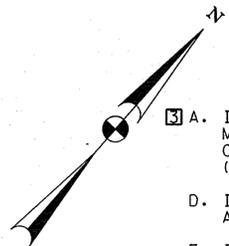


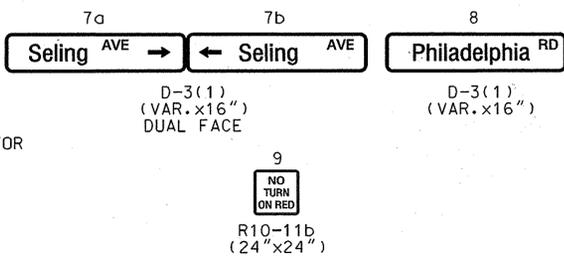
MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



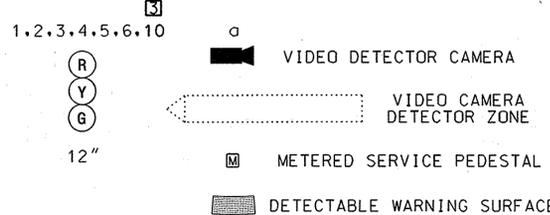
CONSTRUCTION DETAILS

- A. INSTALL 27' STEEL POLE (CUT TO 21') WITH TWIN 50' (CUT TO 40') MAST ARMS X 50' (CUT TO 35') WITH SIGNAL HEADS, SIGNS, VIDEO DETECTOR CAMERAS, AND 20' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1-4" PVC BEND).
- D. INSTALL METERED SERVICE PEDESTAL. (NOTE: 1-4" 90° PVC BEND AND 2-2" 90° PVC BENDS).
- E. INSTALL A SIZE "6" BASE-MOUNTED CABINET WITH NEMA CONTROLLER AND ALL NECESSARY EQUIPMENT. (NOTE: 2-4" PVC AND 2-2" PVC BENDS.)
- F. INSTALL NON-INVASIVE MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE (TO BE PLACED IN THRU LANE ONLY).
- G. VIDEO DETECTION ZONE.
- H. USE EXISTING HANDHOLE.
- J. USE EXISTING CONDUIT.
- K. INSTALL 2" SCHEDULE 80 RIGID PVC - TRENCHED.

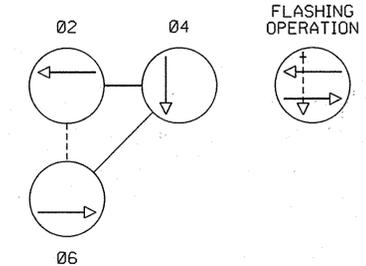
PROPOSED SIGNS



PROPOSED LED SIGNAL HEADS



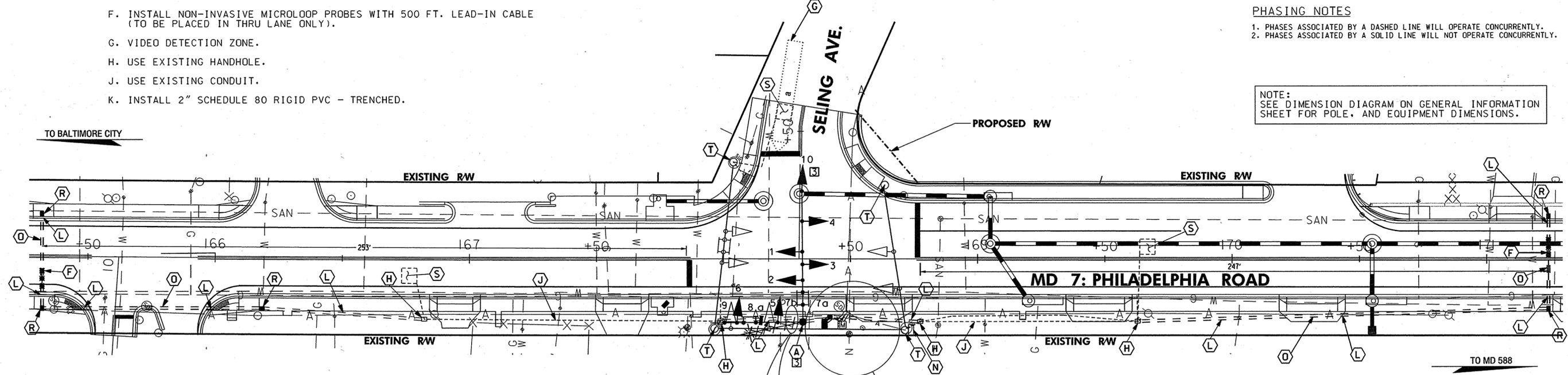
NEMA PHASING



PHASING NOTES

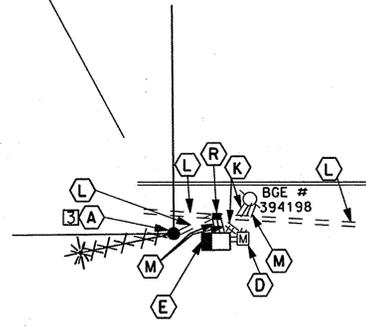
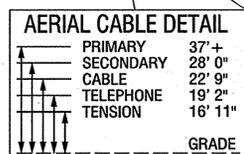
- 1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
- 2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NOTE: SEE DIMENSION DIAGRAM ON GENERAL INFORMATION SHEET FOR POLE, AND EQUIPMENT DIMENSIONS.



CONSTRUCTION DETAILS cont.

- L. INSTALL 3" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- M. INSTALL 4" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- N. REMOVE EXISTING POLE MOUNTED CONTROLLER AND CABINET.
- O. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- P. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- Q. INSTALL HANDHOLE.
- R. INSTALL HANDHOLE PRIOR TO FINAL SIDEWALK POUR.
- S. DISCONNECT AND ABANDON EXISTING PROBES/ LOOP DETECTORS.
- T. REMOVE EXISTING POLE, SPAN WIRE, ALL ATTACHED EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE AND BACKFILL.



GENERAL NOTES

- 1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- 2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE GENERAL INFORMATION SHEET. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 6. 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.

GENERAL NOTES cont.

- 7. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED EQUIPMENT.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SIGNAL OPERATION DURING THE COMPLETE CONSTRUCTION PERIOD.
- 9. CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL NAVIGATOR UNIT FOR THE CONTROLLER TO THE SHA SIGNAL SHOP AT 7491 CONNELLEY DR., HANOVER, MD 21076. MR EDWARD ROSENHIZER AT (410) 787-7652 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MR. ROBERT SMITH, OOTS, AT (410) 787-7631 TO ARRANGE PHONE DROP. THE CONTRACTOR SHALL PROVIDE SEVENTY-TWO (72) HOURS NOTICE PRIOR TO COMPLETION OF THE PROJECT AND SHALL PROVIDE THE NEAREST ADDRESS.

GREEN LINE NO. 3, TRAFFIC
REPLACE SHEET NO. 166
DATE: OCTOBER 6, 2008

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 7 (PHILADELPHIA RD)
AND SELING AVE**

MM CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

T3 design
T3 DESIGN, P.C.
3927 OLD LEE HWY
SUITE 101-C
FAIRFAX, VA 22030
PHONE: 703-359-5861
www.t3design.us

UTILITY LEGEND		APPROVALS		REVISIONS		TRAFFIC SIGNAL PLAN	
SD	SD	STORM DRAIN	ORIGINAL ON FILE		SCALE 1" = 20' DATE 6-19-73 CONTRACT NO.		DESIGNED BY D. DODA COUNTY BALTIMORE
G	G	GAS MAIN			RECONSTR. TO MAST ARMS, ADD VIDEO CAMERAS, SHA B46885185	10-11-06	DRAWN BY B. TYSON LOGMILE 03000701.19
W	W	WATER MAIN			AJM PAT		CHECKED BY A. BUDNICHUK T.I.M.S. NO. F189
S	S	SEWER MAIN			A	12-27-74	F.A.P. NO. TOD NO.
E	E	ELECTRIC CABLES			B5 BUILT 8 295X-000435		DRAWING NO. TS-959B SG-5 OF 9 SHEET NO. 166 OF
A	A	AERIAL CABLES	DZ AB				
T	T	TELEPHONE CABLES					
F	F	FIBER-OPTIC					

BY: \$USER\$

PLOTTED: SOMETIMES
FILE: SFILES