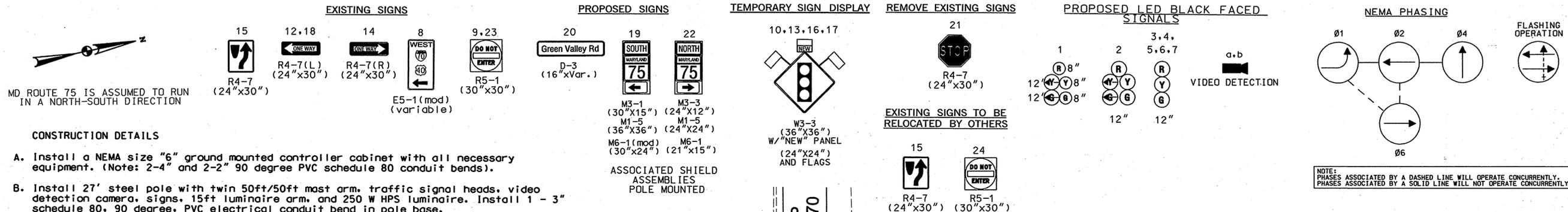


DRILL HOLES

DRILL HOLES

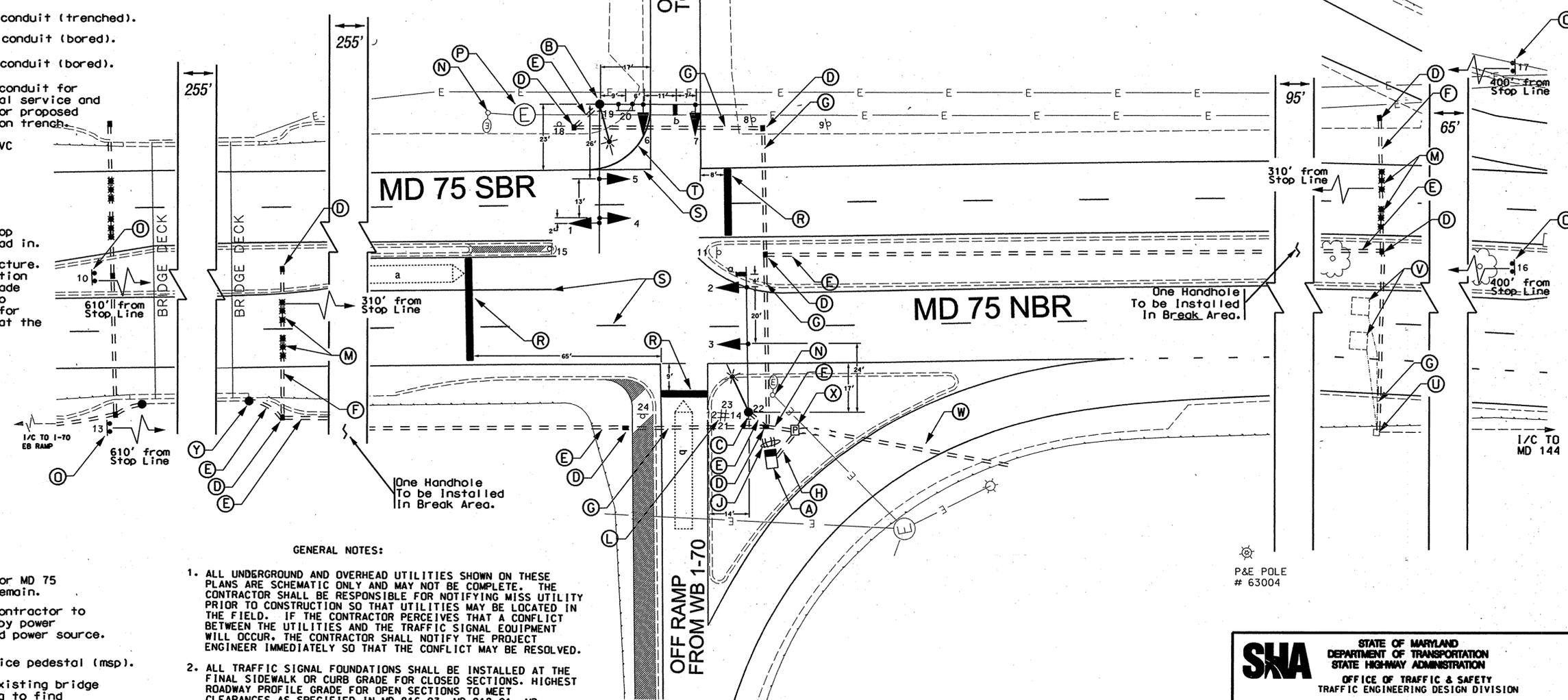
DRILL HOLES



CONSTRUCTION DETAILS

- A. Install a NEMA size "6" ground mounted controller cabinet with all necessary equipment. (Note: 2-4" and 2-2" 90 degree PVC schedule 80 conduit bends).
- B. Install 27' steel pole with twin 50ft/50ft mast arm, traffic signal heads, video detection camera, signs, 15ft luminaire arm, and 250 W HPS luminaire. Install 1 - 3" schedule 80, 90 degree, PVC electrical conduit bend in pole base.
- C. Install 27' steel pole with 50ft mast arm, traffic signal heads, video detection camera, signs, 15ft luminaire arm, and 250 W HPS luminaire. Install 1 - 3" schedule 80, 90 degree, PVC electrical conduit bend in pole base.
- D. Install electrical handhole.
- E. Install 3", schedule 80, PVC conduit (trenched).
- F. Install 3", schedule 80, PVC conduit (bored).
- G. Install 4", schedule 80, PVC conduit (bored).
- H. Install 4", schedule 80, PVC conduit for proposed underground electrical service and 2" schedule 80, PVC conduit for proposed underground telephone in common trench.
- J. Install 2 - 4" schedule 80, PVC conduit (trenched).
- K. Existing sign to be relocated by others.
- L. Remove existing sign.
- M. Install non-invasive micro-loop probe (set of 3) with 500' lead in.
- N. Remove existing lighting structure. Existing lighting pole foundation is to be chipped 12" below grade and backfilled. Contractor to disconnect the light circuit for the light pole to be removed at the nearest lighting manhole.
- O. Install ground mounted sign on 4 x 4 wood post.
- P. Install electrical manhole to intercept existing street lighting conduit.
- R. Install 24" white reflective heat applied thermoplastic stopline as shown.
- S. Eradicate existing conflicting striping.
- T. Install 5" white reflective heat applied thermoplastic pavement marking as shown.
- U. Use existing handhole.
- V. Existing 6' x 6' back loops for MD 75 at MD 144 traffic signal to remain.
- W. Install 4" conduit (bored). Contractor to mark ends of conduit for use by power company to connect underground power source. (P+E POLE # 63004)
- X. Install 200 Amp, metered service pedestal (msp).
- Y. Connect proposed conduit to existing bridge conduit. Contractor shall dig to find existing conduit at parapet wall.

- 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 UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT 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 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.
 3. EXISTING LIGHTING STRUCTURE, FOUNDATION, AND SIGNS DETAILED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED AND DISPOSED OF FROM THE SITE.
 4. EXTENT OF PLANS LIE WITHIN SHA ROW. SEE INTERCONNECT PLAN (SHEET 5 OF 5) FOR ROW LINES.
 5. ELECTRICAL WIRING FROM REMOVED STREET LIGHTING POLES SHALL BE PULLED BACK AND TERMINATED AT NEAREST ELECTRICAL MANHOLE IN ACCORDANCE WITH SHA GUIDELINES.



P&E POLE # 63004

GEOMETRIC LEGEND

--- EXISTING
 = = = PROPOSED

UTILITY LEGEND

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

FUTURE ROADWAY IMPROVEMENT.

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APPROVALS	REVISIONS
<i>Wanda Prindle</i> 11/21/06 TRAN LEADER	
<i>Michael Prindle</i> 11/22/06 ASST. DIV. CHIEF	
<i>Wanda Prindle</i> 11/22/06 DISTRICT CHIEF	
<i>Wanda Prindle</i> 11/22/06 OFFICE DIRECTOR	

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 TRAFFIC SIGNAL DESIGN PLAN
 WESTBOUND I-70 ON/OFF RAMP / MD 75

SCALE 1"=20'	DATE 11/17/06	CONTRACT NO.
DESIGNED BY DPN/PS	COUNTY Frederick	
DRAWN BY DPN/LV	LOGMILE 10007508.22	
CHECKED BY CT	T.I.M.S. NO. H284	
F.A.P. NO. N/A	TOD NO.	
TS# 4500	SHEET NO. 3 OF 5	