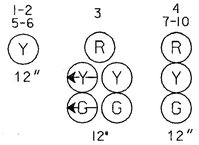
US 40 ALT IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

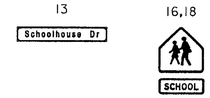
EXISTING SIGNAL HEADS TO REMAIN

PROPOSED SIGNAL HEADS

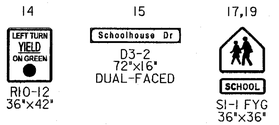


EXISTING SIGNS TO REMAIN

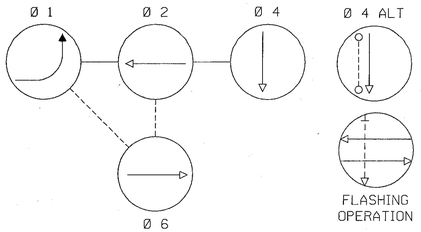
SIGNS TO BE REMOVED



SIGNS TO BE INSTALLED



NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

A. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, SIGNAL HEADS, SIGN (SEE HIB INSTALLATION DETAIL), AND POLE MOUNTED CABINET AND CONTROLLER. (NOTE: INSTALL 2-3 IN. AND 1-2 IN. 90 DEGREE SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL POLE BASE)

B. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3) TURNS QUADRUPOLE SET

C. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

D. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR POWER SERVICE

E. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR POWER SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY ALLEGHENY POWER COMPANY FORCES

F. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED) FOR TELEPHONE SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS

G. INSTALL HANDHOLE

H. USE EXISTING HANDHOLE

J. USE EXISTING CONDUIT

K. INSTALL 1 INCH LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRIC CONDUIT (FOR DETECTOR SLEEVE)

L. INSTALL METERED SERVICE PEDESTAL, INCLUDING METER SOCKET AND 30 AMP DISCONNECT SWITCH, SINGLE PHASE. (NOTE: INSTALL 2-3 IN. 90 DEGREE SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL POLE BASE)

M. INSTALL OVERHEAD SIGN

N. REMOVE AND DISPOSE OF EXISTING OVERHEAD SIGN

O. REMOVE AND DISPOSE OF EXISTING GROUND MOUNTED SIGN

P. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR TELEPHONE SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS

Q. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED) FOR POWER SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY ALLEGHENY POWER COMPANY FORCES

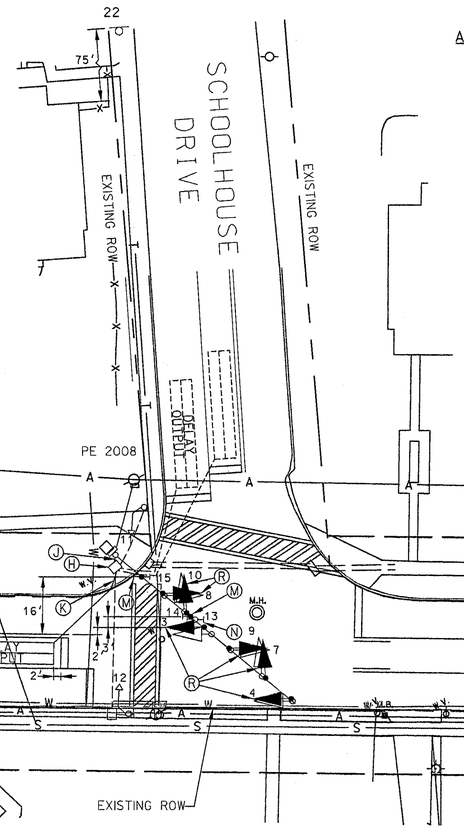
R. INSTALL NEW SIGNAL HEAD

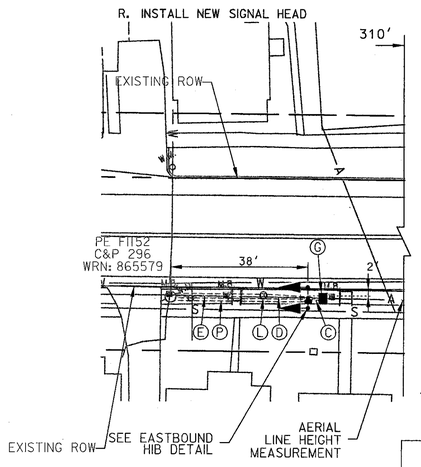
AERIAL LINE HEIGHTS - SOUTH SIDE

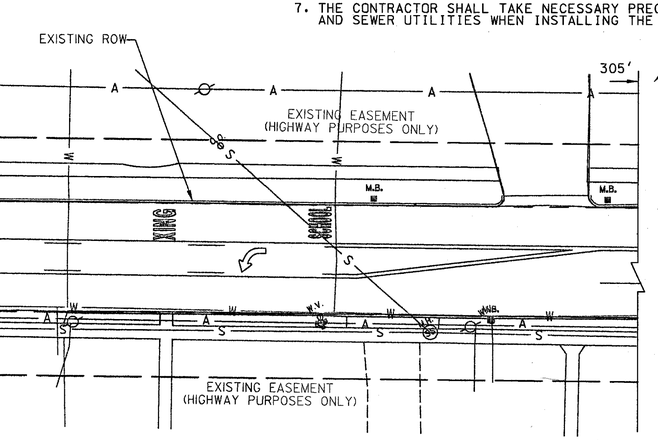
- PRIMARY (40'-0")
- SECONDARY (26'-11")
- TELEPHONE (23'-7")
- TELEPHONE (21'-2")
- CABLE (20'-8")
- CABLE (20'-2")
- TELEPHONE (19'-0")
- TELEPHONE (18'-0")

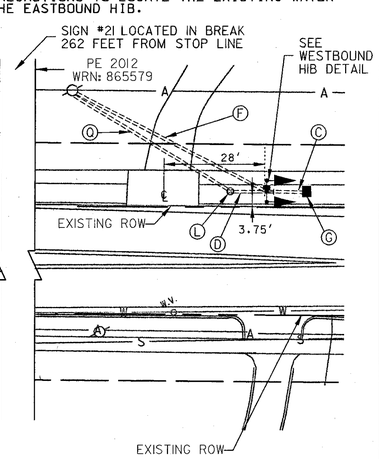
GENERAL NOTES

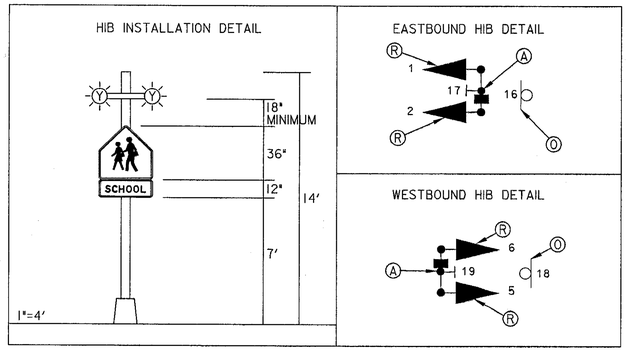
1. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES 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. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLE.
6. THE CONTRACTOR SHALL REMOVE OF DISPOSE OF ALL EXISTING YELLOW-FACED SIGNAL HEADS.
7. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO LOCATE THE EXISTING WATER AND SEWER UTILITIES WHEN INSTALLING THE EASTBOUND HIB.











UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES
FO — FO	FIBRE OPTIC CABLES

STV Incorporated
engineers / architects / planners / scientists / construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

REVISIONS			
B	ADDED EB E/P PHASING AND SCHOOL HIB'S SHA NO. AT3685815		3/2004
A	REPLACE ALL CROSSWALKS		7/1996

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINALS ON FILE

SHA#: FRA/MAES/038 TO D#: AT838-34

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 40 ALT AND SCHOOLHOUSE DRIVE
TRAFFIC SIGNALIZATION PLAN

DRAWN BY:	C. JEDNORSKI	F.A.P. NO.	SEE TITLE SHEET	TS NO. TS-3224B	SHEET NO.
CHECKED BY:	C. JEDNORSKI	S.H.A. NO.	F225-451-785		
SCALE:	1" = 20'	COUNTY:	FREDERICK	T.I.M.S. NO. F833	1 OF 2
DATE:	MARCH 30, 1992	LOG MILE:	10004005.53		

I:\PROJECTS\1103\Task10\US40A or SHD\sp01u40a.dgn
14:53:35 26 MAR 2004