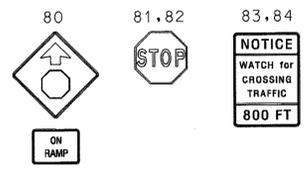
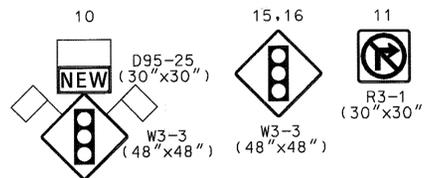


US 29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

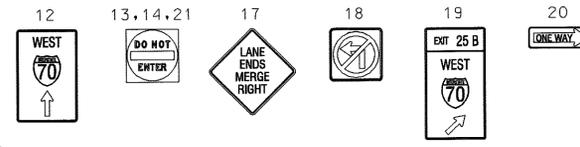
EXISTING SIGNS TO REMOVE



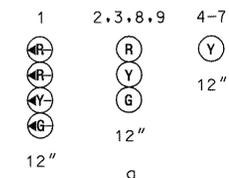
PROPOSED SIGNS



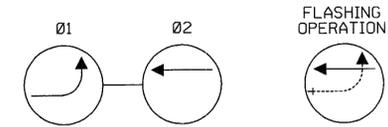
EXISTING SIGNS TO REMAIN



PROPOSED LED SIGNALS



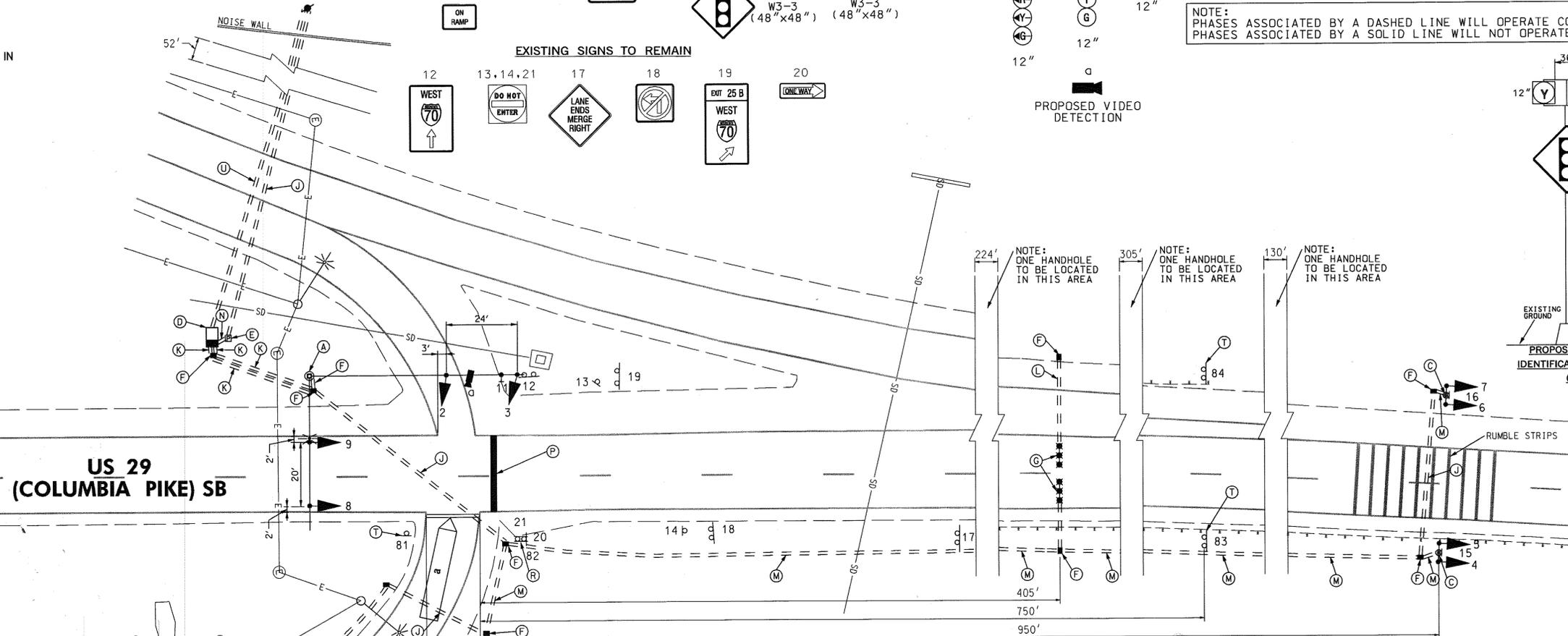
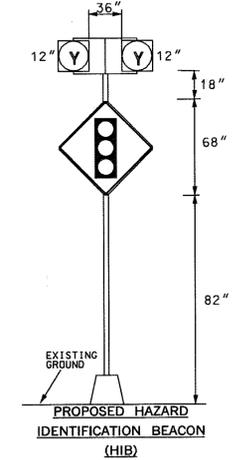
NEMA PHASING



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

PROPOSED VIDEO DETECTION

NOTE: ONE HANDHOLE TO BE LOCATED IN THIS AREA



US 29 (COLUMBIA PIKE) SB

US 29 (COLUMBIA PIKE) NB

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH TWIN 50/70 FT. MAST ARMS WITH LED TRAFFIC SIGNAL HEADS AND VIDEO DETECTION CAMERA. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
- B. INSTALL CONCRETE FOUNDATION FOR A 20 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, TRAFFIC SIGNAL HEAD. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
- C. INSTALL CONCRETE FOUNDATION WITH 14\"/>

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 PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 4. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
- 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.
- 7. 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.

GEOMETRIC LEGEND

--- = EXISTING
 --- = PROPOSED

UTILITY LEGEND

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

TOD NO: XX443-02
 SHA NO: H0445A51
 NORTHBOUND US 29@ I-70

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 NB US 29 (COLUMBIA PIKE) @ WB I-70 (REDUNDANT RAMP)
 TRAFFIC SIGNAL DESIGN

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

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 1208 CONTRACT NO. XX443E185

DESIGNED BY XM COUNTY HOWARD
 DRAWN BY XM LOGMILE 13002913.29
 CHECKED BY JB/TJ TIMS NO. J588
 F.A.P. NO. TOD NO.

TS NO. 4705 DRAWING - OF SHEET NO. 1 OF 2

