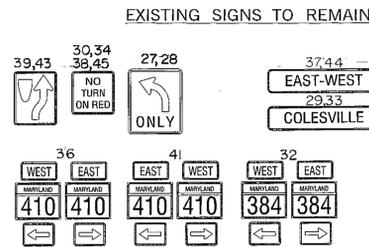
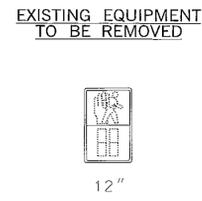
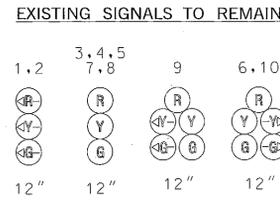


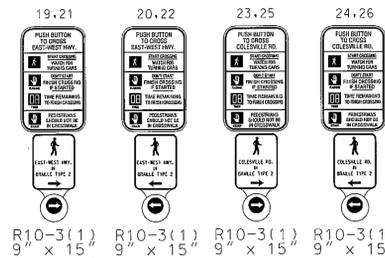
MD 410 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION



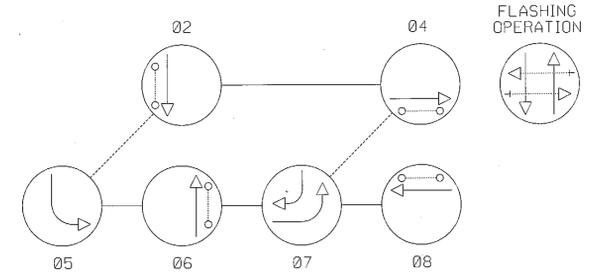
**PROPOSED EQUIPMENT**



**PROPOSED SIGNS**



**NEMA PHASING**



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

**MD 410 (EAST-WEST HIGHWAY)**

**MD 384 (COLESVILLE RD)**

**MD 410 (EAST-WEST HIGHWAY)**

**MD 384 (COLESVILLE RD)**

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. 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.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. 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.
6. 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.
7. THE CONTRACTOR SHALL ENSURE THAT THE NEW PEDESTAL POLE CONCRETE FOUNDATION FOR APS/CPS DOES NOT EXTEND IN FRONT OF THE HEADER/BACK CURB.
8. ALL PROPOSED PEDESTRIAN POLE FOUNDATIONS SHALL BE INSTALLED AT THE TRANSITION FOR THE FLAT AREA TO THE RAMP SLOPE, WITH THE APS BUTTON NO MORE THAN 18 IN. FOR THE FLAT AREA.

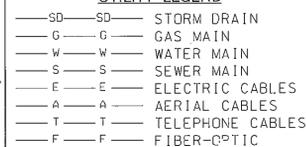
**CONSTRUCTION DETAILS:**

- A. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). SEE NOTE NO. 8.
- B. INSTALL HANDHOLE.
- C. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- E. USE EXISTING CABINET AND INSTALL 4 IN. PVC SCHEDULE 80 CONDUIT WITH CONDUIT BEND IN EXISTING CABINET FOUNDATION TO NEW HANDHOLE.
- F. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- G. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
- H. REMOVE EXISTING PEDESTRIAN SIGNALS AND SIGNS FROM THE EXISTING MAST ARM POLE.
- J. REMOVE EXISTING PAVEMENT MARKING.
- K. REMOVE CROSS HATCHING IN EXISTING CROSSWALK.
- L. REMOVE EXISTING GROUND MOUNTED SIGN.

**GEOMETRIC LEGEND**



**UTILITY LEGEND**



**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 410 AT MD 384  
SILVER SPRING, MD

**SIGNALIZATION PLAN SHEET**

SCALE 1" = 20'	DATE 08/05	CONTRACT NO. MQ314A5A/B5A
DESIGNED BY	COUNTY MONTGOMERY	
DRAWN BY BT	LOGMILE 15038400.29	
CHECKED BY WSW	TMS NO. K199	
F.A.P. NO.	TOD NO.	
TS NO. 4318D	DRAWING OF	SHEET NO. 13 OF 16

APPROVALS	REVISIONS
TEAM LEADER	01/10 TMS NO. K199 SHA NO. AX7035168
ASST. DIV. CHIEF	TRAFFIC SIGNAL RECONSTRUCTION APS/CPS
DIVISION CHIEF	X.M. 7/27/2008 1:28 PM
OFFICE DIRECTOR	C 08/05 SHA NO. MD314A5A/B5A
	INSTALL TRAFFIC SIGNAL
	N.M.
	B 05/04 SHA NO. MD325A5M/65M
	INSTALL NEW PEDESTRIAN X-ING SIGNS
	CJM

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