

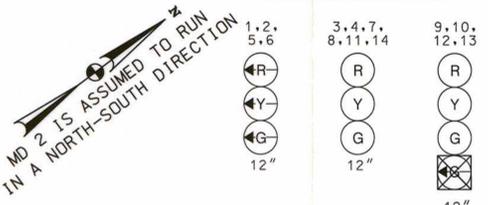
BORDER REV. DATE: March 12 2009 07

DRILL HOLES

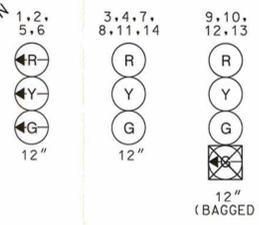
DRILL HOLES

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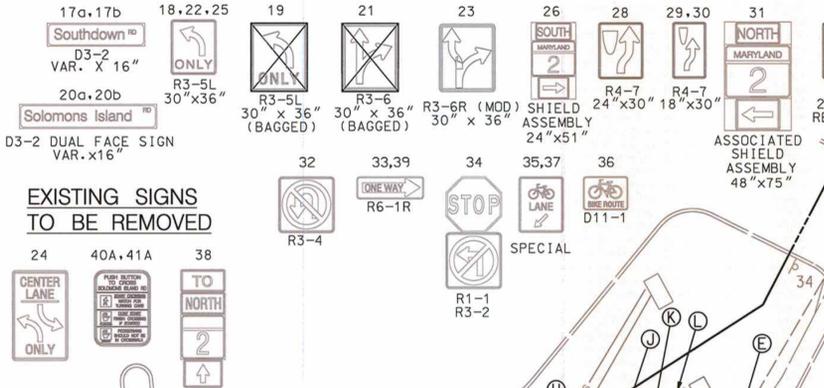
BY: Aaron Hottenstein Division: P068 Highway Traff GMA Emp



EXISTING SIGNALS



EXISTING SIGNS



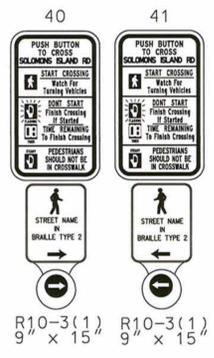
EXISTING SIGNALS TO BE REMOVED



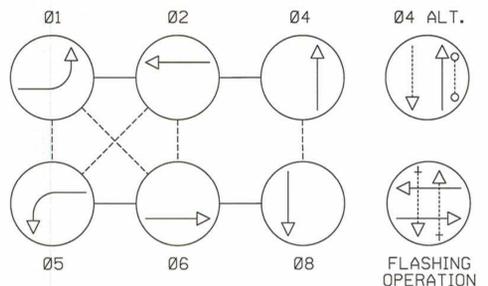
EXISTING SIGNS TO BE REMOVED



PROPOSED SIGNS



NEMA PHASING



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

EXISTING VIDEO DETECTION CAMERA



PROPOSED SIGNALS

15, 16



MD 2 (SOLOMONS ISLAND ROAD) (SBL)

SOUTHDOWN ROAD

MD 2 (SOLOMONS ISLAND ROAD) (NBL)

CONSTRUCTION DETAILS

- (A) REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN FROM SIGNAL POLE AND INSTALL A NEW SIGNAL HEAD.
- (B) INSTALL 3 INCH RIGID PVC CONDUIT - TRENCHED.
- (C) USE EXISTING HANDHOLE.
- (D) USE EXISTING CONDUIT.
- (E) ADJUST EXISTING HANDHOLE.
- (F) INSTALL AN 18" BY 36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE CUT TO 5 FEET WITH APS PUSHBUTTON AND SIGN (1- 3" CONDUIT BEND) (STANDARD NO. 801.01-01).
- (H) INSTALL 4 INCH RIGID PVC CONDUIT - TRENCHED.
- (I) INSTALL EMBEDDED METER SERVICE PEDESTAL.
- (K) INSTALL 2 INCH RIGID PVC CONDUIT - TRENCHED.
- (L) USE EXISTING CONTROLLER.
- (N) REMOVE EXISTING METER AND DISCONNECT SWITCH. CAP AND ABANDON EXISTING CONDUIT. COORDINATE WITH BGE.
- (P) STUB OUT CONDUIT 1 FOOT ABOVE GROUND AT BASE OF POLE AND FURNISH PVC RISER FOR BGE USE.
- (Q) REMOVE EXISTING GROUND MOUNTED SIGN.
- (R) REMOVE EXISTING CROSSWALK MARKINGS.
- (S) INSTALL 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
- (T) RELOCATE EXISTING SIGN.

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- 2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL PROJECT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 4. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED FROM TRAFFIC SIGNAL CONDUITS.
- 5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS 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.
- 7. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 8. CONTRACTOR TO REMOVE EXISTING LANDSCAPE AS NECESSARY TO INSTALL TRAFFIC SIGNAL EQUIPMENT.
- 9. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 10. RIGHT-OF-WAY AND EASEMENT AS SHOWN ON SIGNAL PLANS OF RECORD AND PLAT NOS. 55043 AND 55044.

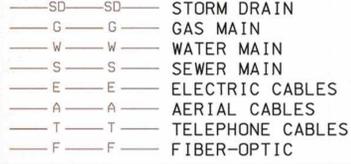
APS PUSHBUTTON NOTES:

- 1. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"X60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- 2. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- 3. PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG 4E.2 AND NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNAL: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- 4. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- 5. SIGNAL POLES WITH PUSHBUTTONS MAY HAVE THE FOUNDATION INSTALLED AS PART OF THE CURB OR SIDEWALK AS DIRECTED BY THE ENGINEER.

GEOMETRIC LEGEND



UTILITY LEGEND



APPROVALS		REVISIONS	
TEAM LEADER		① UPGRADE WITH APS, CPS AND ADA RAMPS	01-2013
ASST. DIV. CHIEF		TIMS# L652	SHA. NO. XY1395185
DIVISION CHIEF		KCI/AM	6.30.0
OFFICE DIRECTOR		B SPLIT THE SIDE STREET PHASING AND RE-PLACE EAST LEG DETECTION (NOT COMPLETE) SHA. NO. BW996MB2	9-2007
		A RECONSTRUCT SIGNAL DUE TO ROADWAY WIDENING PROJECT	9-1999
		IMP/SMK	SHA. NO. AA530A21

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 2 (SOLOMONS ISLAND ROAD) AT
 AND SOUTHDOWN ROAD
 EDGEWATER, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	ADVERTISED DATE OCTOBER 1999	CONTRACT NO. BW572-801-512
DESIGNED BY A. FORNARO	COUNTY ANNE ARUNDEL	
DRAWN BY A. FORNARO	LOGMILE 02000216.89	
CHECKED BY D. PETERS	TIMS NO.	
F.A.P. NO.	TOD NO.	
TS NO. 1817-C	DRAWING SG-1	OF 3 SHEET NO. 4 OF 21

KCI TECHNOLOGIES
 ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS
 936 RIDGEBROOK ROAD
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 TELEPHONE: (410) 316-7800
 FAX: (410) 316-7818

1 REDLINE NO. 1
[Signature]
 NAME DATE