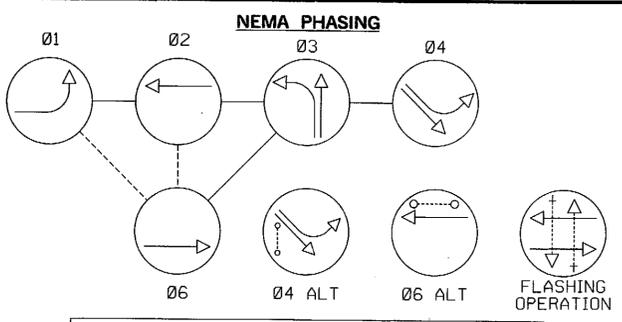
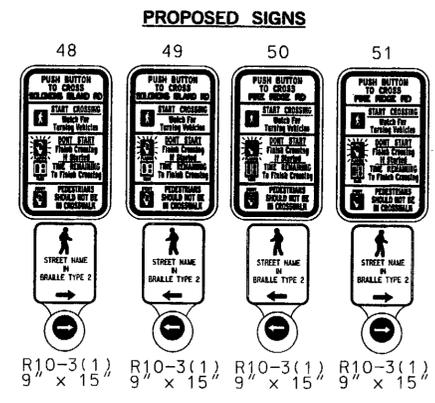
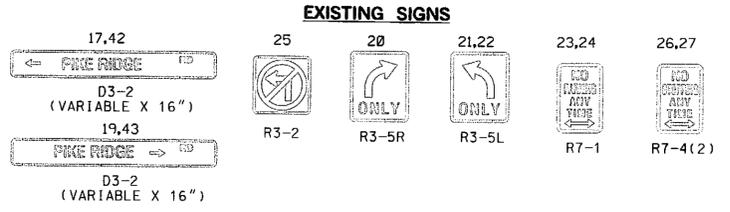
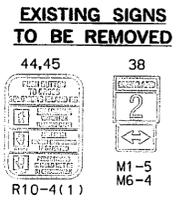
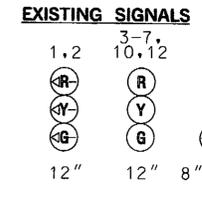


BORDER REV. DATE: March 12, 2007

DRILL HOLES

BY: Joost Van Boekhold Division: P068 Highway Traffic/GMA Emp

MD 2 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION



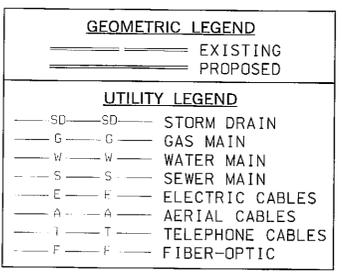
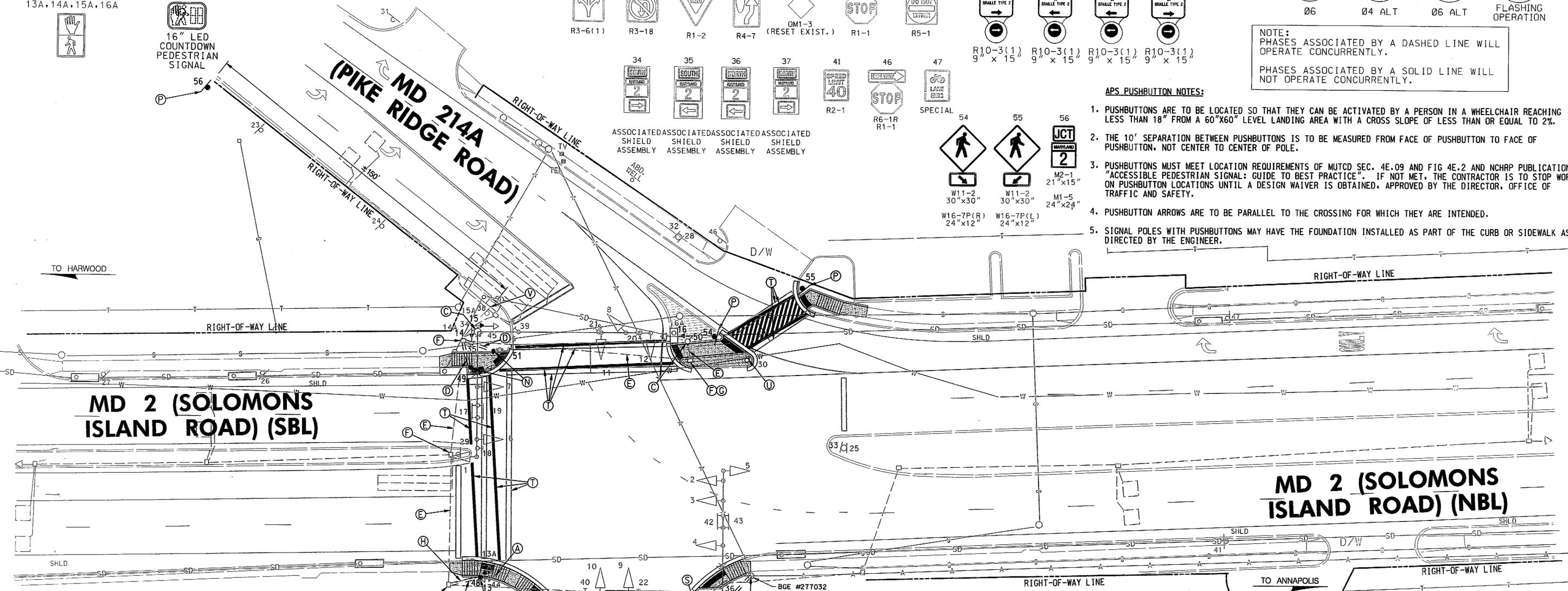
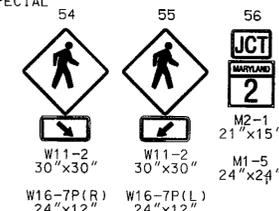
NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

**APS PUSHBUTTON NOTES:**

- 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%.
- THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- 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.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- SIGNAL POLES WITH PUSHBUTTONS MAY HAVE THE FOUNDATION INSTALLED AS PART OF THE CURB OR SIDEWALK AS DIRECTED BY THE ENGINEER.

ASSOCIATED SHIELD ASSEMBLY

34	35	36	37
R3-6(1)	R3-18	R1-2	R4-7



**GENERAL NOTES:**

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- REMOVE ALL POLE FOUNDATIONS 12 INCHES BELOW GRADE.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- ALL UNUSED SIGNAL CABLES SHALL BE REMOVED FROM TRAFFIC SIGNAL CONDUITS.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS CONTACT THE PROJECT ENGINEER.
- 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.
- CONTRACTOR TO REMOVE EXISTING LANDSCAPE AS NECESSARY TO INSTALL TRAFFIC SIGNAL EQUIPMENT.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- RIGHT-OF-WAY INFORMATION AS SHOWN ON SIGNAL PLAN OF RECORD.

**CONSTRUCTION DETAILS**

- REMOVE EXISTING PEDESTAL POLE.
- INSTALL AN 18" BY 36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON, AND SIGN (I- 3" CONDUIT BEND) (STANDARD NO.801.01-01).
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD(S), PUSH BUTTON, AND SIGN FROM SIGNAL POLE. INSTALL NEW PEDESTRIAN SIGNAL HEADS, APS PUSHBUTTON, AND SIGN (I- 3" CONDUIT BEND) (STANDARD NO.801.01-01).
- INSTALL 3 INCH RIGID PVC CONDUIT - TRENCHED.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- ADJUST EXISTING HANDHOLE.
- CAP AND ABANDON EXISTING CONDUIT.
- USE EXISTING CONTROLLER.
- INSTALL EMBEDDED METER SERVICE PEDESTAL.
- INSTALL 4 INCH RIGID PVC CONDUIT - TRENCHED.

- STUB OUT CONDUIT 1 FOOT ABOVE GROUND AT BASE OF POLE AND FURNISH PVC RISER FOR BGE USE.
- INSTALL AN 18" BY 36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE CUT TO 5 FEET WITH APS PUSHBUTTON AND SIGN (I- 3" CONDUIT BEND) (STANDARD NO. 801.01-01).
- INSTALL GROUND MOUNT SIGN ON 1- 4"x4" WOOD POST (AND RESET BRICK AS REQUIRED).
- INSTALL 2 INCH RIGID PVC CONDUIT - TRENCHED.
- REMOVE EXISTING METER AND DISCONNECT SWITCH. CAP AND ABANDON EXISTING CONDUIT. COORDINATE WITH BGE.

- REMOVE EXISTING CROSSWALK MARKINGS AND INSTALL 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
- RESET EXISTING GROUND MOUNTED SIGN.
- REMOVE EXISTING GROUND MOUNTED SIGN.

TOD NO: XY139-04  
SHA NO: AA189B54  
MD 2, MD 214A, MD 253 Various Locations

**KCI TECHNOLOGIES**

936 RIDGEBROOK ROAD  
SPARKS, MARYLAND 21152  
TELEPHONE: (410) 316-7800  
FAX: (410) 316-7818

ENGINEERS  
PLANNERS  
SCIENTISTS  
CONSTRUCTION MANAGERS

APPROVALS	REVISIONS																
<table border="1"> <tr> <td>TEAM LEADER</td> <td></td> </tr> <tr> <td>ASST. DIR. CHIEF</td> <td></td> </tr> <tr> <td>DIVISION CHIEF</td> <td></td> </tr> <tr> <td>OFFICE DIRECTOR</td> <td></td> </tr> </table>	TEAM LEADER		ASST. DIR. CHIEF		DIVISION CHIEF		OFFICE DIRECTOR		<table border="1"> <tr> <td>DATE</td> <td>DESCRIPTION</td> </tr> <tr> <td>01-2013</td> <td>UPGRADE WITH APS, CPS AND ADA RAMPS</td> </tr> <tr> <td>01-2013</td> <td>TIMS# L692 SHA. NO. XY1395199</td> </tr> <tr> <td>01-2013</td> <td>A MODIFY TO SPLIT SIDE ROAD PHASING AND UPGRADE SIDE ROAD SIGNALS TO LED</td> </tr> </table>	DATE	DESCRIPTION	01-2013	UPGRADE WITH APS, CPS AND ADA RAMPS	01-2013	TIMS# L692 SHA. NO. XY1395199	01-2013	A MODIFY TO SPLIT SIDE ROAD PHASING AND UPGRADE SIDE ROAD SIGNALS TO LED
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DESIGNED BY	ANNE ARUNDEL
DRAWN BY	J. CHAVIS/M. MEARS
CHECKED BY	D. PETERS
F.A.P. NO.	

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 2 (SOLOMONS ISLAND ROAD) AT  
MD 214A (PIKE RIDGE ROAD)  
EDGEWATER, MARYLAND

**TRAFFIC SIGNAL PLAN**

SCALE 1" = 20' ADVERTISED DATE OCTOBER, 1999 CONTRACT NO. AA530811

TS NO. 3890-B	DRAWING SG-1	OF 3	SHEET NO. 1 OF 21
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