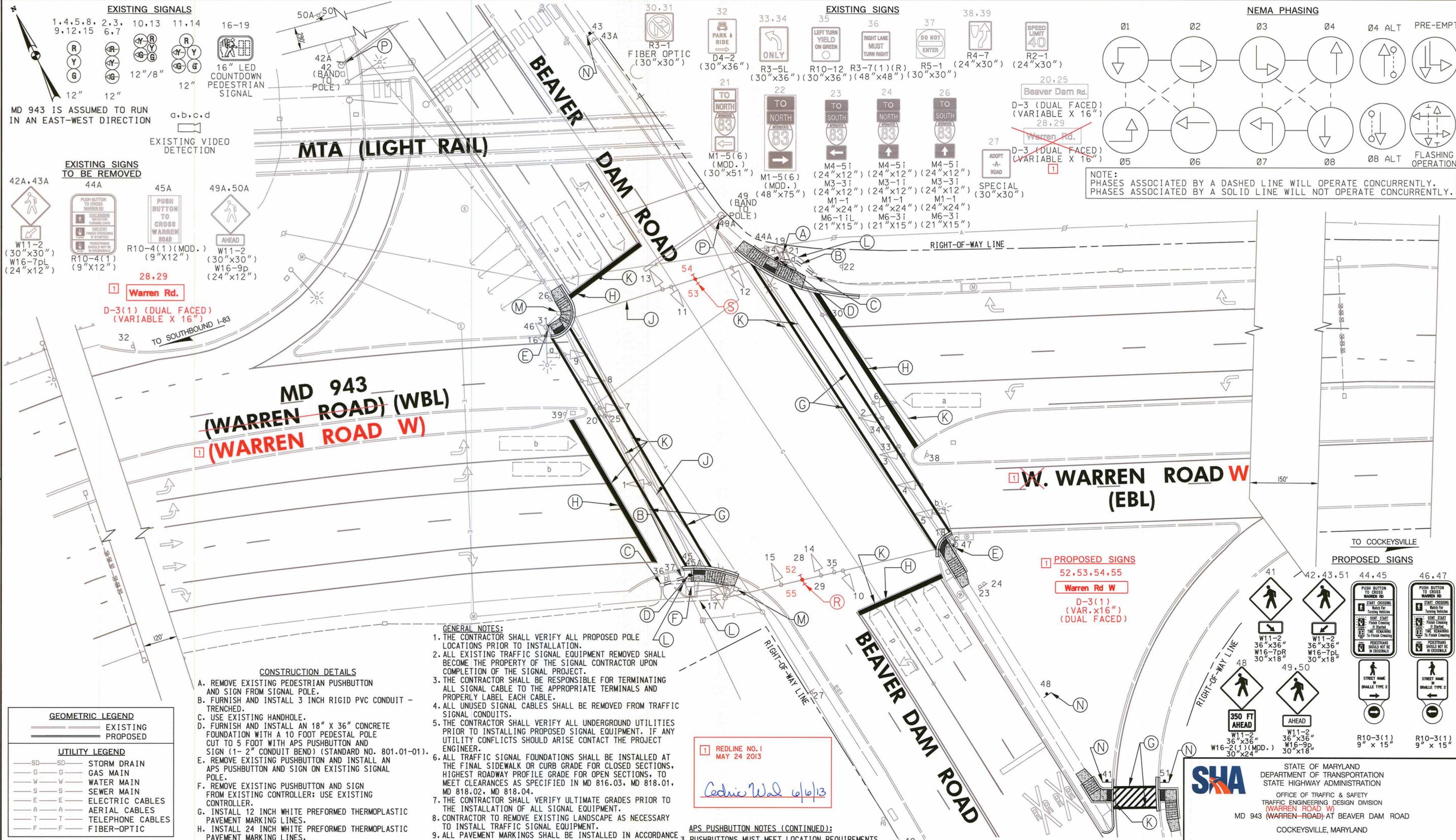


BORDER REV. DATE: March 12, 2008  
BY: John Borkowski Division: P068 Highway Traff GMA Emp



**GEOMETRIC LEGEND**

EXISTING  
PROPOSED

**UTILITY LEGEND**

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

- CONSTRUCTION DETAILS**
- REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND SIGN FROM SIGNAL POLE.
  - FURNISH AND INSTALL 3 INCH RIGID PVC CONDUIT - TRENCHED.
  - USE EXISTING HANDHOLE.
  - FURNISH AND INSTALL AN 18" X 36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE CUT TO 5 FOOT WITH APS PUSHBUTTON AND SIGN (1-2" CONDUIT BEND) (STANDARD NO. 801.01-01).
  - REMOVE EXISTING PUSHBUTTON AND INSTALL AN APS PUSHBUTTON AND SIGN ON EXISTING SIGNAL POLE.
  - REMOVE EXISTING PUSHBUTTON AND SIGN FROM EXISTING CONTROLLER; USE EXISTING CONTROLLER.
  - INSTALL 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
  - INSTALL 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
  - USE EXISTING SPANWIRE.
  - REMOVE EXISTING PAVEMENT MARKING.
  - USE EXISTING CONDUIT.
  - ADJUST EXISTING HANDHOLE TO GRADE INCLUDING FRAME AND COVER.
  - INSTALL GROUND MOUNTED SIGN ON 4"X6" WOOD POST.
  - REMOVE EXISTING SIGN. BAND NEW SIGN TO POLE.
  - REMOVE EXISTING OVERHEAD SIGN AND INSTALL NEW OVERHEAD SIGN.
  - INSTALL OVERHEAD SIGN.

- GENERAL NOTES:**
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
  - 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 SHOULD ARISE 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.
- 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.

**REDLINE NO. 1**  
MAY 24 2013  
*Cedric Wald 6/6/13*

- APS PUSHBUTTON NOTES (CONTINUED):**
- PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08 AND 4E.10 AND FIG. 4E-3 AND 4E-4 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.

**APPROVALS**

|                  |     |
|------------------|-----|
| TEAM LEADER      | DJD |
| ASST. DIV. CHIEF | DJD |
| DIVISION CHIEF   | DJD |
| OFFICE DIRECTOR  | LM  |

**REVISIONS**

|            |  |                   |
|------------|--|-------------------|
| 04/2013    | UPGRADE WITH APS, CPS TMS# L674 AND ADA RAMPS                            | SHA NO. XY1255185 |
| 09/28/2004 | REPLACE CONDUIT, INSTALL VIDEO DETECTION, UPGRADE CONTRACT NO. AT3575185 | TMS F945          |
| 08/2004    | REPLACE FAILED DETECTION   | SHA NO. 012004    |

**TRAFFIC SIGNAL PLAN**

SCALE 1"=20' ADVERTISED DATE 02/19/93 CONTRACT NO. AW277A521B52

|             |              |           |             |
|-------------|--------------|-----------|-------------|
| DESIGNED BY | BALT.CO.     | COUNTY    | BALTIMORE   |
| DRAWN BY    | WRS BALT.CO. | LOGMILE   | 03094300.59 |
| CHECKED BY  | BALT.CO.     | TIMS NO.  |             |
| F.A.P. NO.  | 000-000-000  | TOD NO.   |             |
| TS NO.      | 3818D        | DRAWING   | SG-1 OF 3   |
|             |              | SHEET NO. | 7 OF 9      |

PLOTTED: "03:28 PM on Wednesday, May 22, 2013"  
FILE: M:\2009\01060619.84\drawings\SG-P000\_MD943&BDR.dgn