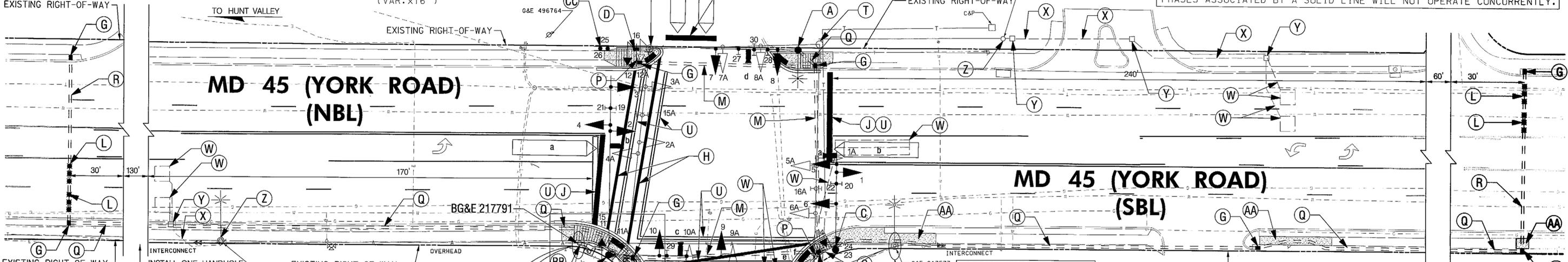
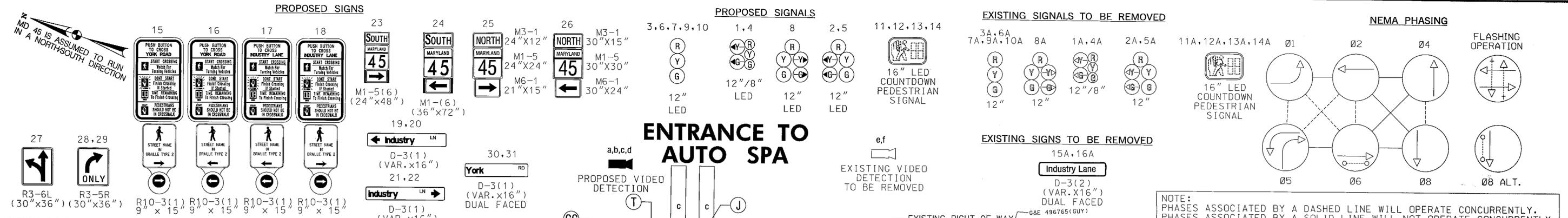
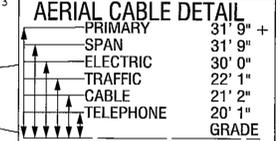
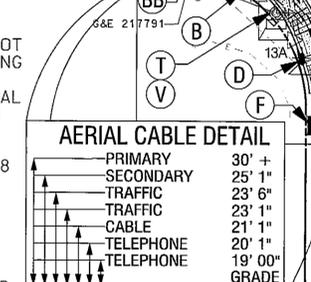


DATE: 04/04/2013

BY: John Borkowski Division: P068 Highway Traff GMA Emp



- CONSTRUCTION DETAILS**
- A. INSTALL CONCRETE FOUNDATION WITH A 15 FOOT SPECIAL "T" SIGNAL POLE, 38 FOOT MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, 10' LIGHTING BRACKET ARM AND LED LUMINAIRE (1-3" CONDUIT BEND).
 - B. INSTALL CONCRETE FOUNDATION WITH A TWIN MAST ARM 15 FOOT SPECIAL "T" SIGNAL POLE, AND 50 FOOT AND 70 FOOT MAST ARMS, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, VIDEO DETECTION CAMERAS AND SIGNS (1-3" CONDUIT BEND). (NOTE: 70 FOOT MAST ARM TO BE MOUNTED AT 15 FOOT "T").
 - C. INSTALL CONCRETE FOUNDATION WITH A 15 FOOT SPECIAL "T" SIGNAL POLE, AND 38 FOOT MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, VIDEO DETECTION CAMERA AND SIGNS (1-3" CONDUIT BEND).
 - D. INSTALL AN 18"x36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE, 16-INCH COUNTDOWN LED PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON, AND SIGN (1-2" CONDUIT BEND). (STANDARD NO. MD 801.01-01)
 - E. INSTALL AN 18"x36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE, (CUT TO 5 FOOT), APS PUSHBUTTON, AND SIGN (1-2" CONDUIT BEND). (STANDARD NO. MD 801.01-01)
 - F. INSTALL A NEMA SIZE "S" BASE MOUNTED CABINET WITH UNINTERRUPTABLE POWER SUPPLY, BATTERY PACK, AND CONTROLLER. INSTALL APS CENTRAL CONTROL UNIT, WITH MODIFIED CONCRETE BASE (NOTE: 2-4 INCH AND 2-2 INCH PVC SCHEDULE 80 CONDUIT BENDS). DO NOT INSTALL SERVICE PADS.
 - G. INSTALL ELECTRICAL HANDHOLE.
 - H. INSTALL 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
 - J. INSTALL 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
 - K. INSTALL 4 INCH CONDUIT STUB AND CAP FOR BGE USE (INCLUDE PULL STRING IN CONDUIT).
 - L. FURNISH AND INSTALL NON-INVASIVE DETECTORS.
 - M. FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
 - N. FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
 - P. FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
 - Q. FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
 - R. FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
 - S. FURNISH AND INSTALL EMBEDDED METER SERVICE PEDESTAL.
 - T. REMOVE EXISTING TRAFFIC SIGNAL STRAIN POLE.
 - U. REMOVE EXISTING PAVEMENT LINE MARKINGS.
 - V. REMOVE EXISTING POLE MOUNTED CABINET. REMOVE AND SALVAGE EXISTING CONTROLLER.
 - W. ABANDON EXISTING LOOP DETECTOR.
 - X. CAP AND ABANDON EXISTING CONDUIT.
 - Y. REMOVE EXISTING HANDHOLE.
 - Z. REMOVE EXISTING DETECTOR CABLE FROM UTILITY POLE.
 - AA. INSTALL 5-INCH CONCRETE SIDEWALK.
 - BB. PULL BACK EXISTING INTERCONNECT CABLES AND REROUTE.
 - CC. INSTALL GROUND MOUNTED SIGN ON TWO 4"x6" WOOD POSTS.



- 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. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL, UNLESS NOTED.
 4. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
 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.
 8. RIGHT-OF-WAY SHOWN ON THIS PLAN IS PER SHA PLAT NUMBERS 42208, 50510, AND 50511.

- 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.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.
 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.

KCI TECHNOLOGIES
 ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS
 936 RIDGEBROOK ROAD
 SHARPS, MARYLAND 21152
 TELEPHONE: (410) 316-7800
 FAX: (410) 316-7818

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

APPROVALS	REVISIONS
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	04/2013 TRAFFIC SIGNAL RECONSTRUCTION TMS NO. L674, CONTRACT NO. XY1255185 KCI [Signature] MLP-CW A MODIFIED SIGNAL FOR FOURTH LEG. PROVIDE SIDE STREET CONCURRENT OPERATION. 03/2005 T.H.

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 45 (YORK ROAD) AT INDUSTRY LANE
 COCKEYSVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 02/1998 CONTRACT NO. NA

DESIGNED BY COUNTY BALTIMORE
 DRAWN BY WRS LOGMILE 03004507.04
 CHECKED BY DEW TMS NO.
 F.A.P. NO. NA TOD NO. NA

TS NO. 2555B DRAWING **SG-1** OF 3 SHEET NO. 1 OF 9

PLOTTED: 11:41 AM on Thursday, April 04, 2013
 FILE: M:\2009\01090819\84\drawings\PSG-P001_MD45&INDUSTRY.dgn