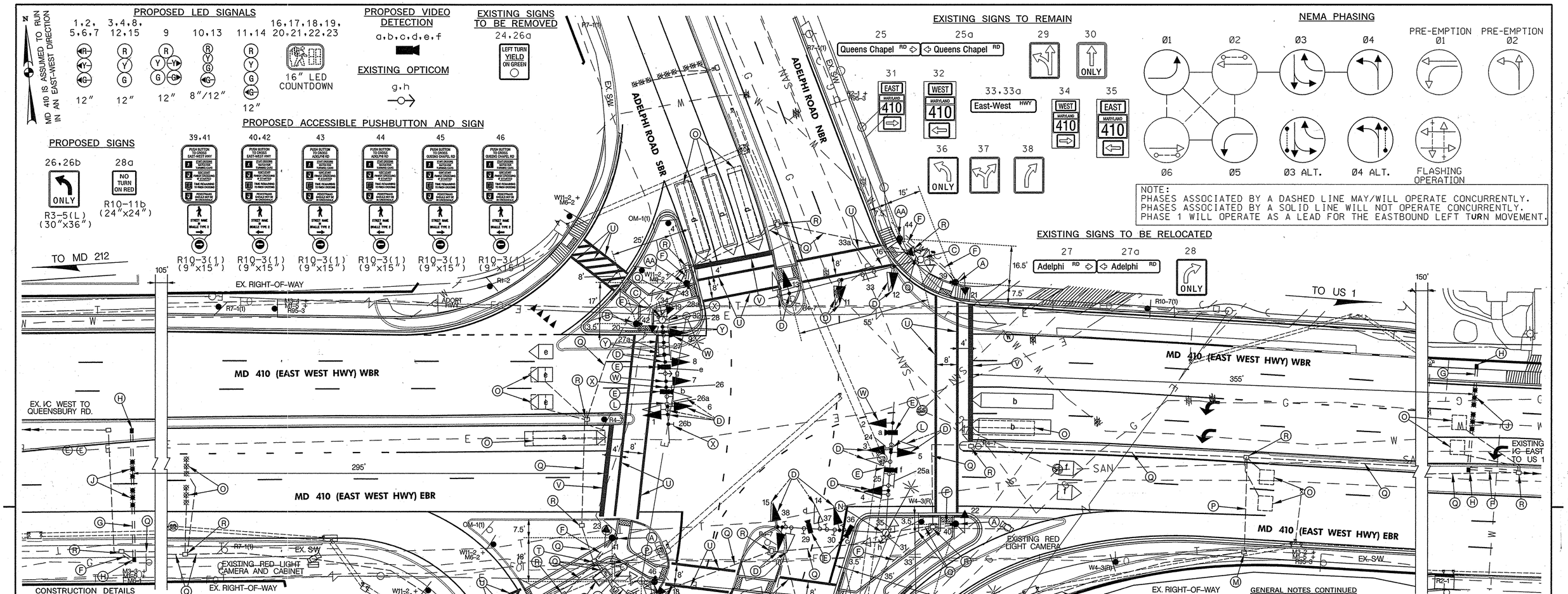
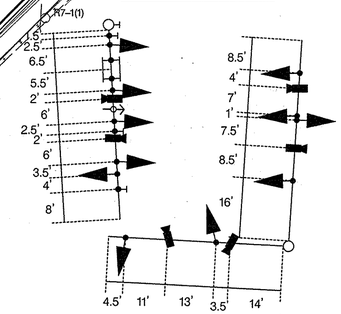


CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, LED COUNTDOWN PEDESTRIAN SIGNAL, ACCESSIBLE PEDESTRIAN PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS EAST-WEST HWY". INTEGRATE FOUNDATION WITH S/W WHERE NECESSARY. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
B. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, ACCESSIBLE PEDESTRIAN PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS EAST-WEST HWY". INTEGRATE FOUNDATION WITH S/W WHERE NECESSARY (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
C. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN, AND INSTALL NEW COUNTDOWN LED PEDESTRIAN SIGNAL HEAD(S) ON EXISTING SIGNAL POLE
D. REMOVE EXISTING VEHICULAR TRAFFIC SIGNAL HEAD AND INSTALL NEW LED VEHICULAR TRAFFIC SIGNAL HEAD.
E. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED (REPLACE SIDEWALK WHERE NECESSARY)
G. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED (REPLACE SIDEWALK WHERE NECESSARY)
H. INSTALL ELECTRICAL HANDHOLE
J. INSTALL NONINVASIVE MICROLOOP PROBE SET
K. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE
L. REMOVE EXISTING OVERHEAD SIGN
M. REMOVE EXISTING HANDHOLE
N. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD(S) AND PUSHBUTTON
O. ABANDON EXISTING LOOP WIRE / MICROLOOP PROBE SET
P. ABANDON EXISTING CONDUIT. CAP AT NEAREST HANDHOLE.
Q. USE EXISTING CONDUIT
R. USE EXISTING HANDHOLE
S. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
T. USE AND ADJUST EXISTING HANDHOLE TO GRADE
U. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK
V. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE
W. INSTALL NEW LED VEHICULAR TRAFFIC SIGNAL HEAD ON EXISTING MAST ARM
X. INSTALL OVERHEAD SIGN
Y. RELOCATE EXISTING OVERHEAD STREET SIGN
Z. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, LED COUNTDOWN PEDESTRIAN SIGNAL, ACCESSIBLE PEDESTRIAN PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS QUEENS CHAPEL RD" INTEGRATE FOUNDATION WITH S/W WHERE NECESSARY. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
AA. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION, ACCESSIBLE PEDESTRIAN PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS ADELPHI RD". INTEGRATE FOUNDATION WITH S/W WHERE NECESSARY. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

PROPOSED SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA LOCATIONS



GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
3. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
4. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
5. 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 816.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
6. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION. INTEGRATE FOUNDATION WITH SIDEWALK WHERE NECESSARY.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLE.
8. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
9. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
10. THE CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO SIDEWALK AND RAMP CONSTRUCTION.
11. THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS WITH THE NEWLY CONSTRUCTED RAMPS.
12. REFER TO ROADWAY PLANS FOR S/W RAMP DETAILS AND STDS.

GENERAL NOTES CONTINUED

13. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
14. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. x 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
15. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 TO COORDINATE.
16. THE 10 FT. SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
17. PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 IN.
18. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2; AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
19. PUSHBUTTON ARROWS SHOULD BE ORIENTED PARALLEL TO THE CROSSWALK FOR WHICH THEY ARE INTENDED.
20. THE CONTRACTOR SHALL REFER TO FIGURE 3B-17a OF THE 2006 MARYLAND M.U.T.C.D. FOR CROSSWALK PAVEMENT MARKING DETAIL.

UTILITY LEGEND

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

STV Incorporated
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7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: thompsma

APPROVALS	REVISIONS
TEAM LEADER	(H) INSTALL EXCLUSIVE LT PHASES FOR EB AND WB MD 410, APS & CPS. SHA#PG6865187, 5/2008
ASST. DIV. CHIEF	STV Mcd JTS TMcCarty DOK
DIVISION CHIEF	G REPLACE EXISTING RED LIGHT CAMERAS W/LASERS 10/05 H372
OFFICE DIRECTOR	CIS
ORIGINAL ON FILE	F INSTALL OPTICOM DETECTOR EYE FOR WB 410 AND NB 500
	CJ CEI

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 410 (EAST-WEST HIGHWAY) AT

MD 500 (QUEENS CHAPEL ROAD /ADELPHI ROAD)

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE _____ CONTRACT NO. PG1805171

DESIGNED BY N/A COUNTY PRINCE GEORGE'S
DRAWN BY S.BLOSS LOGMILE 16041002.65
CHECKED BY N.LEARY TIMS NO. 1578
F.A.P. NO. _____ TOD NO. _____

TS NO. 554H | DRAWING SG-01 OF 02 | SHEET NO. 31 OF 39

PLOTTED: Monday, May 05, 2008 AT 02:44 PM
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