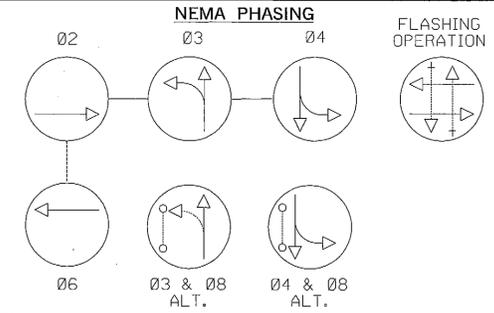
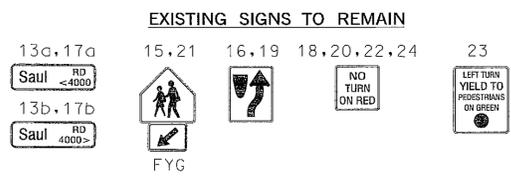
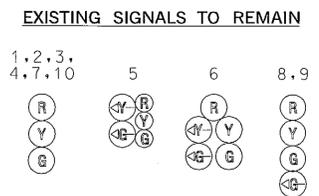
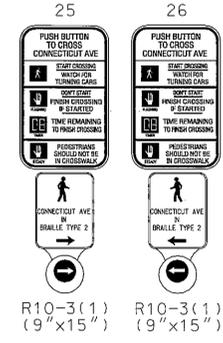


MD 185 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

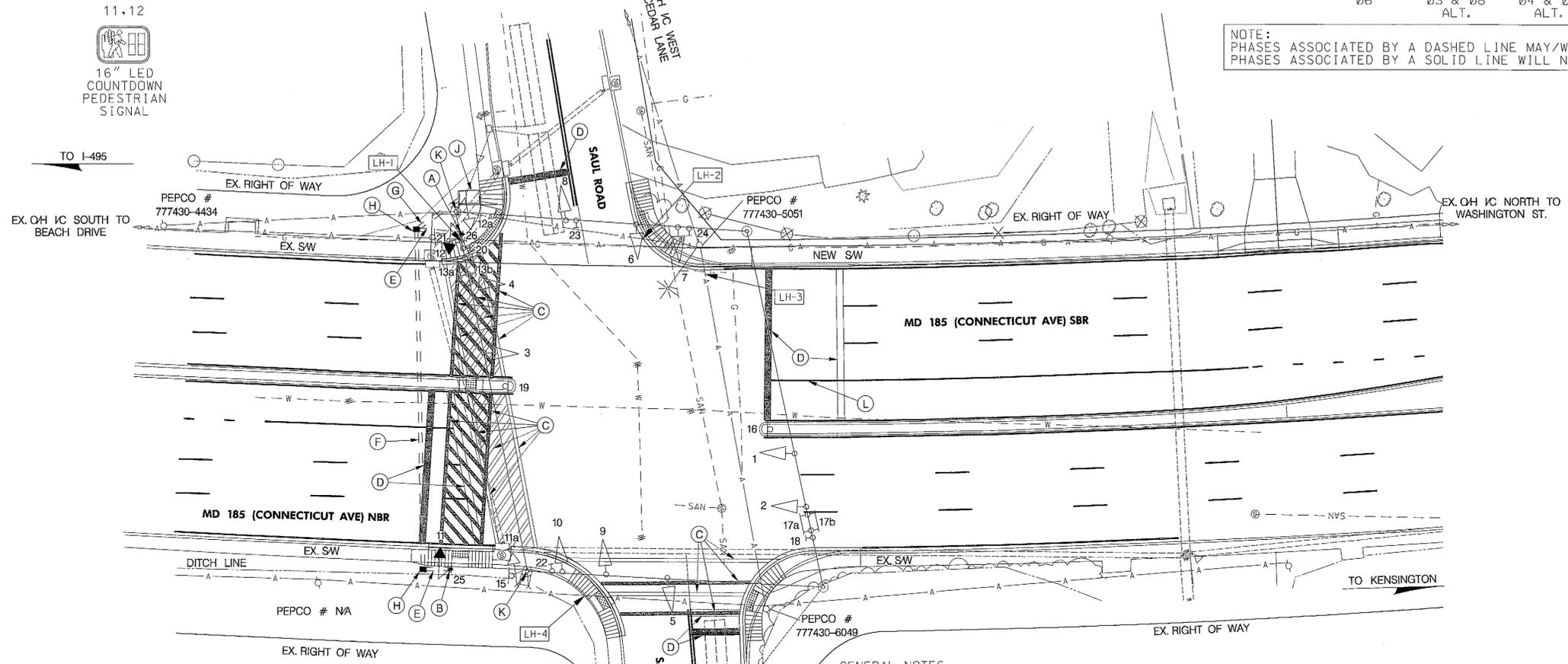


NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED AUDIBLE/TACTILE PUSHBUTTON AND SIGN



PROPOSED LED SIGNALS



LINE HEIGHTS (LH-1)

COMMUNICATION 1:	16'-3"
COMMUNICATION 2:	18'-0"
TETHER:	18'-0"
COMMUNICATION 3:	18'-10"
SPAN:	23'-7"
GUY:	25'+
SECONDARY:	26'+
PRIMARY:	40'+

LINE HEIGHTS (LH-2)

TETHER:	16'-0"
COMMUNICATION 1:	19'-6"
SPAN:	19'-8"
COMMUNICATION 2:	20'-5"
COMMUNICATION 3:	21'-9"

LINE HEIGHTS (LH-3)

GUY:	19'-11"
COMMUNICATION 1:	20'-0"
GUY:	21'-8"
COMMUNICATION 2:	25'+
COMMUNICATION 3:	26'+
SECONDARY:	30'+

LINE HEIGHTS (LH-4)

COMMUNICATION 1:	18'-0"
COMMUNICATION 2:	18'-1"
COMMUNICATION 3:	19'-2"
COMMUNICATION 4:	23'-5"
PRIMARY:	30'+

CONSTRUCTION DETAILS

- A. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE, WITH FOUNDATION PER MD STD. 801.01-01, BREAKWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PUSHBUTTON (ARROW LEFT), AND R10-3(1) SIGN "PUSH BUTTON TO CROSS CONNECTICUT AVE." (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- B. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE, WITH FOUNDATION PER MD STD. 801.01-01, BREAKWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PUSHBUTTON (ARROW RIGHT), AND R10-3(1) SIGN "PUSH BUTTON TO CROSS CONNECTICUT AVE." (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- C. REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK (SEE NOTE 18).
- D. REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE (SEE NOTE 18).
- E. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.
- G. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL ELECTRICAL HANDHOLE.
- J. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL 1-4 IN. 90 DEGREE PVC BEND IN EXISTING FOUNDATION.
- K. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON FROM EXISTING STRAIN POLE.
- L. INSTALL 5 IN. SOLID WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING.

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. 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.
4. THE CONTRACTOR SHALL INTEGRATE PROPOSED CONCRETE FOUNDATIONS WITH NEW SIDEWALK/RAMPS WHERE NECESSARY. THE FOUNDATIONS SHALL BE FLUSH WITH AND PART OF THE FINAL CURB OR SIDEWALK GRADE TO INCREASE ACCESSIBILITY OF PUSHBUTTONS.
5. MONTGOMERY COUNTY WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
7. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
8. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.

GENERAL NOTES CONT.

9. THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS ON NEWLY CONSTRUCTED RAMPS.
10. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
11. THE CONTRACTOR SHALL REFER TO FIGURE 3B-17a OF THE 2006 MARYLAND M.U.T.C.D. FOR CROSSWALK PAVEMENT MARKING DETAIL.
12. 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.
13. 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 AND DOES NOT HAVE TO REACH MORE THAN 18 IN. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
14. PUSHBUTTON ARROWS ARE TO BE TURNED PARALLEL TO THE CROSSWALK FOR WHICH THEY ARE INTENDED.
15. THE CONTRACTOR MUST COORDINATE THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT WITH THE CONSTRUCTION OF THE PROPOSED SIDEWALK RAMPS. REFER TO THE DETAIL SHEETS IN THE IFB FOR PROPOSED RAMP STANDARDS, STATIONS, AND OFFSETS. ALL WORK MUST BE COORDINATED WITH THE ROADWAY CONTRACTOR.
17. THE 10 FT. MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
18. THE CONTRACTOR SHALL REMOVE ANY PAVEMENT MARKINGS LOCATED WITHIN PROPOSED CROSSWALKS AND/OR STOPLINES.

STV
STV Incorporated
7125 Ambassador Road, Suite 200
Baltimore, MD 21244
www.stvinc.com

GEOMETRIC 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

— EXISTING — PROPOSED

APPROVALS

TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

①	INSTALL APS/CPS ALONG SOUTH LEG.
2	SHA# MD2235176 TMS# K338 11/20/11
3	STV
4	REV. Ho 11/17/11 WKS MCB 11/17/11

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 185 (CONNECTICUT AVENUE)
AT SAUL ROAD
KENSINGTON, MARYLAND

TRAFFIC SIGNALIZATION PLAN SHEET

SCALE: 1" = 20' ADVERTISED DATE: 3/29/10 CONTRACT NO. N/A

DESIGNED BY: A.S.R. COUNTY: MONTGOMERY
DRAWN BY: T.E.L. LOGMILE: 15018503.37
CHECKED BY: W.S.W. TMS NO.: N/A
F.A.P. NO.: TOD NO.:

TS NO. 10691A DRAWING SG-01 OF 04 SHEET NO. 01 OF 04