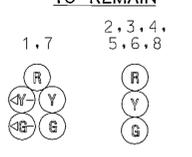


MD 191 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

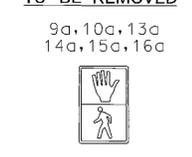
**EXISTING SIGNALS TO REMAIN**



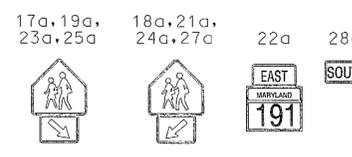
**PROPOSED LED SIGNALS**



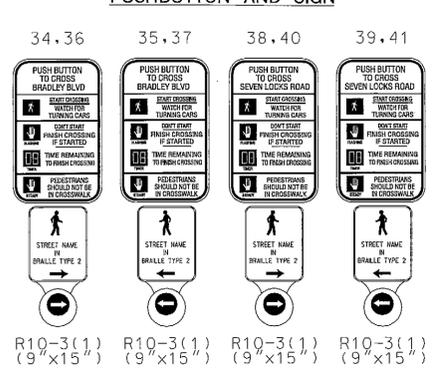
**EXISTING SIGNALS TO BE REMOVED**



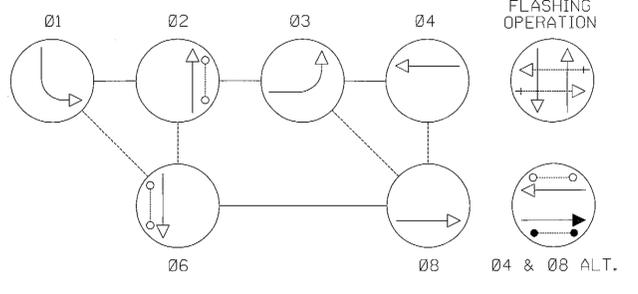
**EXISTING SIGNS TO BE REMOVED**



**PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN**

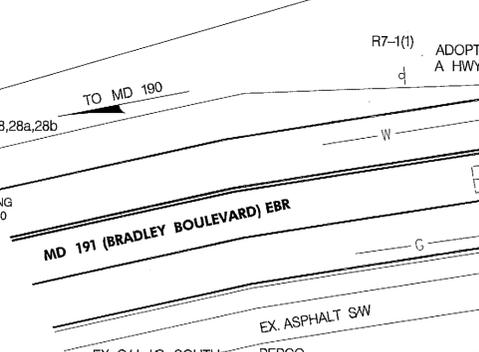
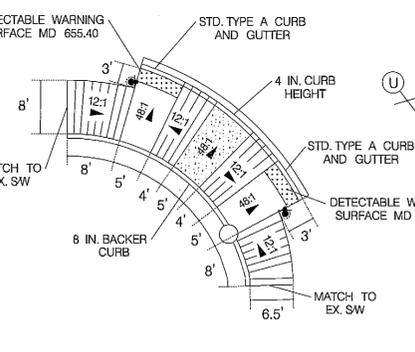
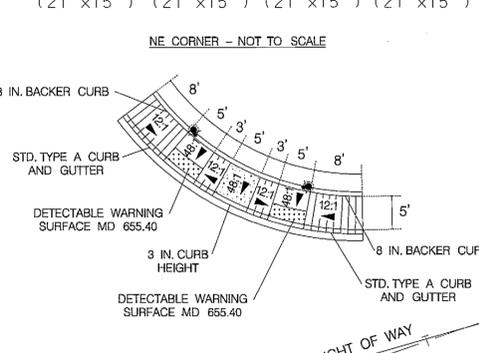
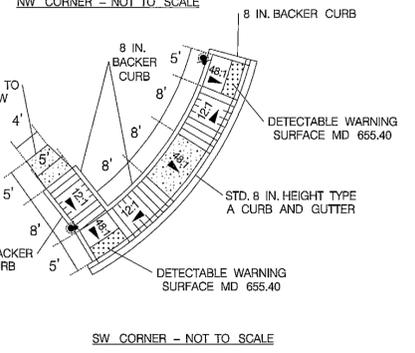
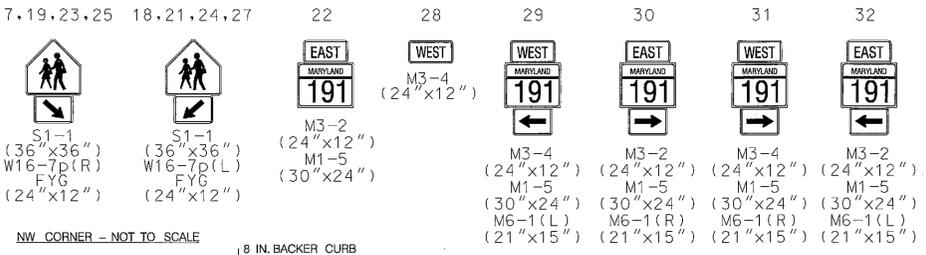


**NEMA PHASING**



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

**PROPOSED SIGNS**



**CONSTRUCTION DETAILS**

- A. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS SEVEN LOCKS ROAD" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- B. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS SEVEN LOCKS ROAD" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- C. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS BRADLEY BLVD" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- D. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS BRADLEY BLVD" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- 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 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES FOR CROSSWALK.
- J. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES FOR STOPLINE.
- K. INSTALL GROUND MOUNTED SIGNS ON ONE 4 IN. X 6 IN. WOOD SUPPORT.
- L. REMOVE EXISTING SIDEWALK RAMP(S) AND CONSTRUCT NEW SIDEWALK RAMP(S) (SEE DETAIL THIS SHEET).
- M. CONSTRUCT 5 IN. CONCRETE SIDEWALK, 5 FT. WIDE WITH STANDARD TYPE A CURB AND GUTTER.
- N. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PEDESTRIAN SIGN AND PUSHBUTTON AND INSTALL OVERHEAD SIGNS ON EXISTING SIGNAL POLE.
- O. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN SIGN FROM EXISTING SIGNAL POLE.
- P. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PEDESTRIAN SIGN AND PUSHBUTTON FROM EXISTING SIGNAL POLE.
- Q. REMOVE EXISTING PAVEMENT MARKINGS (SEE NOTE 18).
- R. REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORT.
- S. INSTALL ELECTRICAL HANDHOLE.
- T. USE EXISTING BASE MOUNTED CABINET AND INSTALL ONE (1) 4 IN. 90 DEGREE PVC BEND IN EXISTING FOUNDATION.
- U. REMOVE EXISTING SIGN #28a FROM EXISTING SUPPORT AND INSTALL NEW SIGN #28.
- V. REMOVE EXISTING SIDEWALK / RAMP AND CONSTRUCT NEW SIDEWALK RAMP SHA STD. MD 655.12 WITH DETECTABLE WARNING SURFACE SHA STD. MD 655.40.

**CONSTRUCTION DETAILS CONT.**

- W. USE EXISTING HANDHOLE. SPLICE NEW LOOP DETECTOR WIRE TO THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) WIRE.
- X. CONSTRUCT NEW SIDEWALK RAMP(S) (SEE DETAIL THIS SHEET).
- Y. ABANDON EXISTING LOOP DETECTOR AND INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS).
- Z. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

UTILITY LEGEND		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

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

APPROVALS	REVISIONS
TEAM LEADER	① ADD SOUTH LEG PEDESTRIAN CROSSING AND INSTALL APS AND OPS
ASST. DIV. CHIEF	SHA NO. 200555185 TMS# K522 6-2011
DIVISION CHIEF	SY# MCF 15/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100
OFFICE DIRECTOR	A CHANGE SEVEN LOCKS TO PHASE 2&6

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 191 (BRADLEY BOULEVARD) AT  
SEVEN LOCKS ROAD  
POTOMAC, MARYLAND

SIGNALIZATION PLAN	
SCALE 1" = 20'	ADVERTISED DATE 9-11-1989 CONTRACT NO. AW-529-451-385
DESIGNED BY PEGGY KNABE	COUNTY MONTGOMERY
DRAWN BY PEGGY KNABE	LOGMILE 15019101.35
CHECKED BY J. GORDE	TMS NO.
F.A.P. NO.	TOD NO.
TS NO. 1788B	DRAWING SG-01 OF 02 SHEET NO. 01 OF 02

PLOTTED: Wednesday, June 22, 2011 AT 11:03 AM  
FILE: I:\PROJECTS\4014255\4014255\_0119\Drawings\TRAFFIC\SG-P002\_MD191.dgn