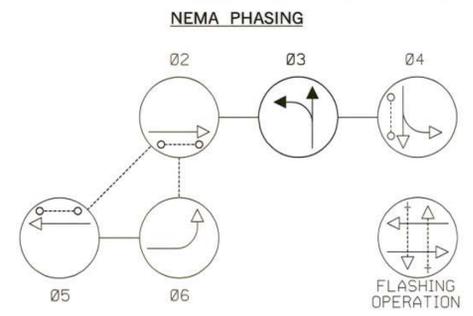
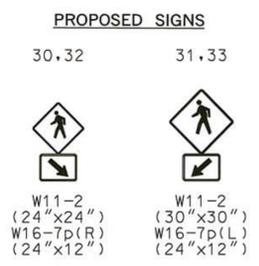
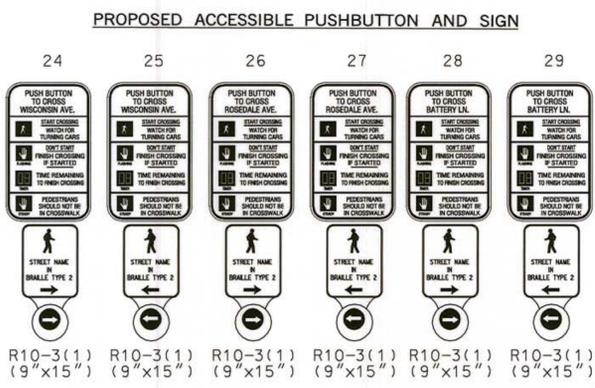
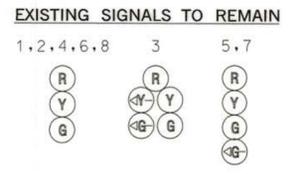
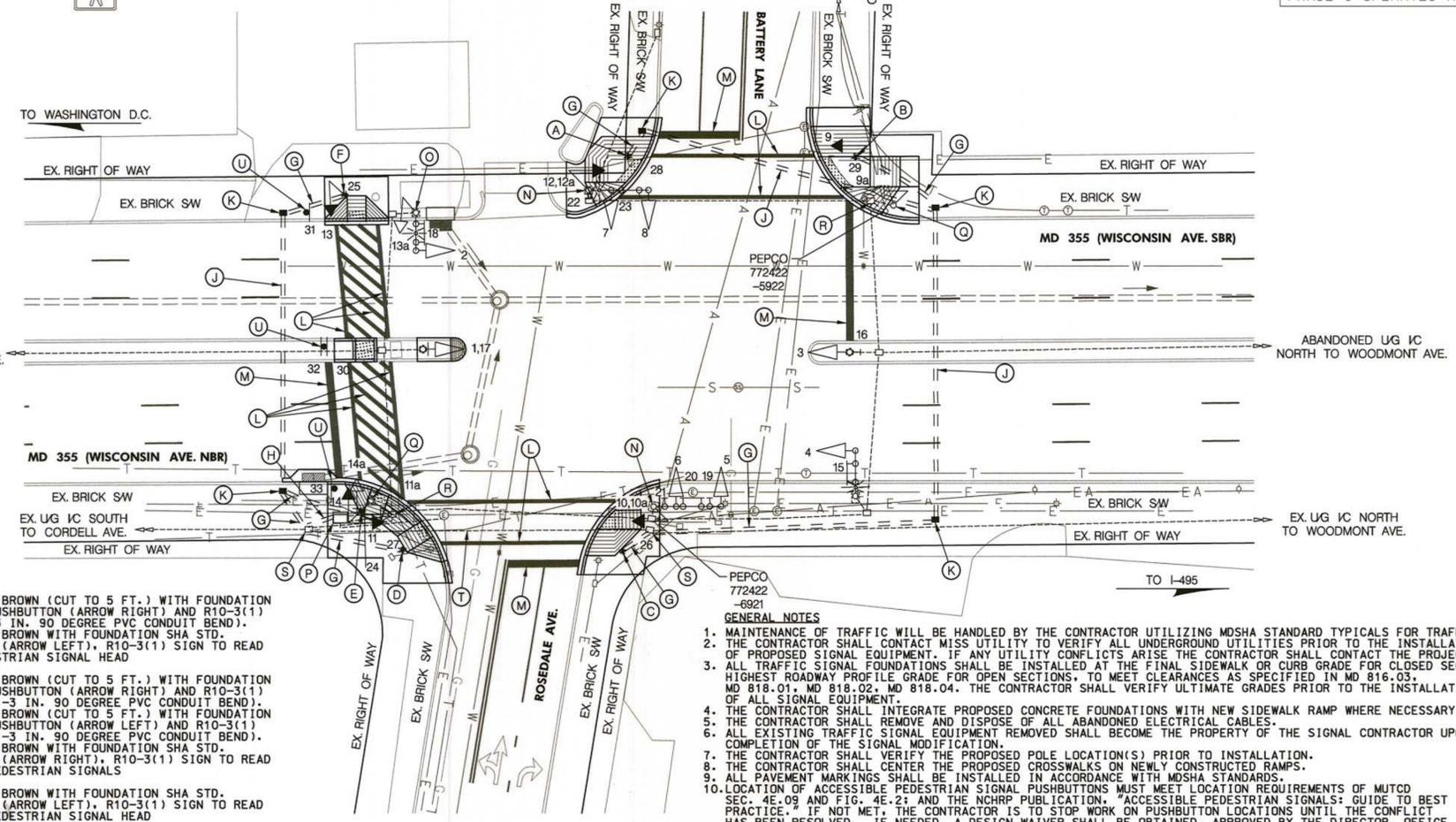
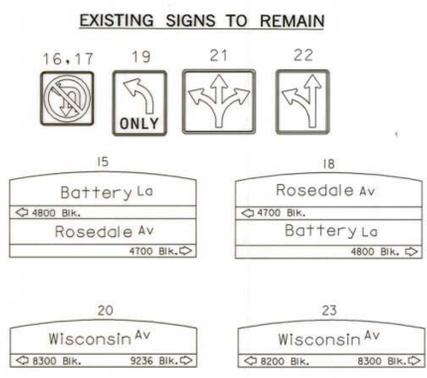


MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



NOTE:  
 PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.  
 PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
 PHASE 6 OPERATES AS A LAG FOR THE NB LEFT TURN MOVEMENT.



**CONSTRUCTION DETAILS**

- A. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE PAINTED FEDERAL BROWN (CUT TO 5 FT.) WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS BATTERY LN" (NOTE: 1-3 IN. 90 DEGREE PVC CONDUIT BEND).
- B. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE PAINTED FEDERAL BROWN WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW LEFT), R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS BATTERY LN" AND LED COUNTDOWN PEDESTRIAN SIGNAL HEAD (NOTE: 1-3 IN. 90 DEGREE PVC CONDUIT BEND).
- C. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE PAINTED FEDERAL BROWN (CUT TO 5 FT.) WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS ROSEDALE AVE" (NOTE: 1-3 IN. 90 DEGREE PVC CONDUIT BEND).
- D. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE PAINTED FEDERAL BROWN (CUT TO 5 FT.) WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS ROSEDALE AVE" (NOTE: 1-3 IN. 90 DEGREE PVC CONDUIT BEND).
- E. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE PAINTED FEDERAL BROWN WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW LEFT), R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS WISCONSIN AVE" AND LED COUNTDOWN PEDESTRIAN SIGNALS (NOTE: 1-3 IN. 90 DEGREE PVC CONDUIT BEND).
- F. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE PAINTED FEDERAL BROWN WITH FOUNDATION SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW LEFT), R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS WISCONSIN AVE" AND LED COUNTDOWN PEDESTRIAN SIGNAL HEAD (NOTE: 1-3 IN. 90 DEGREE PVC CONDUIT BEND).
- G. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED (SEE NOTE 17).
- H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED (SEE NOTE 17).
- J. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED.
- K. INSTALL ELECTRICAL HANDHOLE.
- L. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES FOR CROSSWALK.
- M. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES FOR STOPLINE.
- N. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD(S), AND INSTALL NEW LED COUNTDOWN PEDESTRIAN SIGNAL HEAD ON EXISTING SIGNAL POLE.
- O. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FROM EXISTING SIGNAL POLE.
- P. USE EXISTING BASE MOUNTED CABINET. INSTALL 1-4 IN. SCHEDULE 80 RIGID PVC CONDUIT BEND IN EXISTING FOUNDATION.
- Q. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE. ABANDON EXISTING CONDUIT AND BACKFILL.
- R. ADJUST EXISTING HANDHOLE TO GRADE.
- S. USE EXISTING HANDHOLE.
- T. USE EXISTING CONDUIT.
- U. INSTALL GROUND MOUNTED SIGN(S) ON ONE 4 IN. x 6 IN. WOOD SIGN SUPPORT.

**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 RAMP WHERE NECESSARY.
5. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
6. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
7. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION(S) PRIOR TO INSTALLATION.
8. THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS ON NEWLY CONSTRUCTED RAMPS.
9. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
10. 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.
11. 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.
12. 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%.
13. PUSHBUTTON ARROWS SHOULD BE TURNED PARALLEL TO THE CROSSWALK FOR WHICH THEY ARE INTENDED.
14. ALL TRAFFIC SIGNAL MODIFICATIONS SHALL BE CONSTRUCTED PRIOR TO SIDEWALK INSTALLATION.
15. THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK AT THE NEAREST JOINT.
16. THE CONTRACTOR SHALL NOTIFY MR. KAMAL HAMUD AT 240-777-8761 OF THE MONTGOMERY COUNTY DOT SEVENTY TWO (72) HOURS PRIOR TO BEGINNING CONSTRUCTION.
17. THE CONTRACTOR SHALL REPLACE BRICK SIDEWALK TO ORIGINAL PATTERN WHERE NECESSARY UPON COMPLETION OF SIGNAL WORK.
18. THE CONTRACTOR SHALL COORDINATE ALL CONDUIT AND FOUNDATION WORK WITH THE ROADWAY CONTRACTOR.
19. THE CONTRACTOR SHALL REFER TO ROADWAY PLANS FOR SIDEWALK RAMP DETAILS.
20. WOOD SUPPORTS INSTALLED IN CONCRETE/BRICK SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD 812.05-01 AND MD 812.05-02.
21. THE CONTRACTOR SHALL REFER TO FIGURE 3B-17c OF THE 2006 MARYLAND M.U.T.C.D. FOR CROSSWALK PAVEMENT MARKING DETAIL.

1 ADDED SHEET  
 REDLINE REVISION NO. 1  
 09/2011

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 MD 355 (WISCONSIN AVENUE) AT  
 BATTERY LANE /ROSEDALE AVENUE  
 BETHESDA, MARYLAND

**SIGNALIZATION PLAN SHEET**

SCALE 1" = 20' ADVERTISED DATE 12/20/1984 CONTRACT NO. M-454-501-376

DESIGNED BY THOMAS ZAYDEL COUNTY MONTGOMERY  
 DRAWN BY THOMAS ZAYDEL COUNTY 15035502.26  
 CHECKED BY DENNIS DODA TIMS NO.  
 F.A.P. NO. TOD NO.

TS NO. 2034 B DRAWING SG-01 OF 02 SHEET NO. 01 OF 02

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

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**  
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