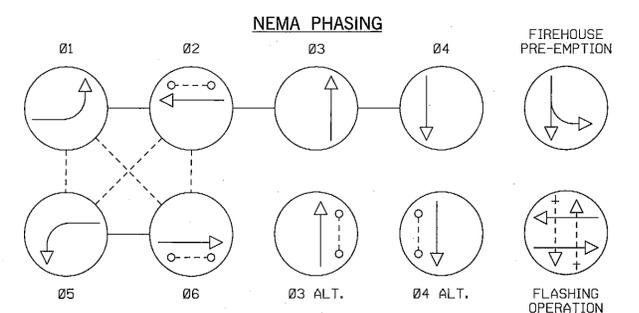
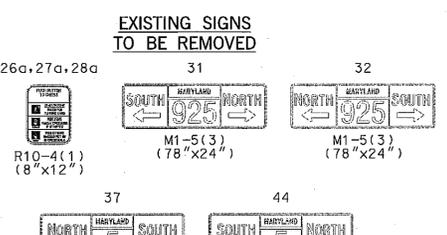
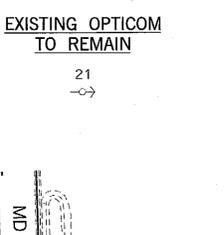
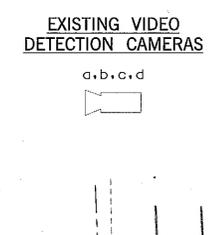
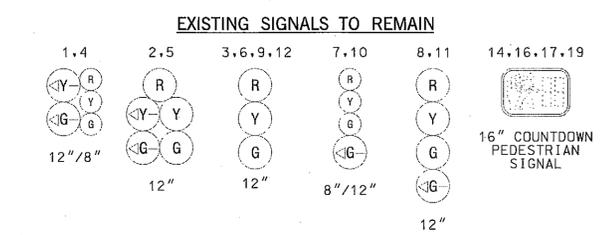
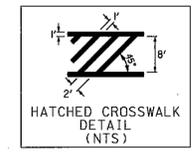
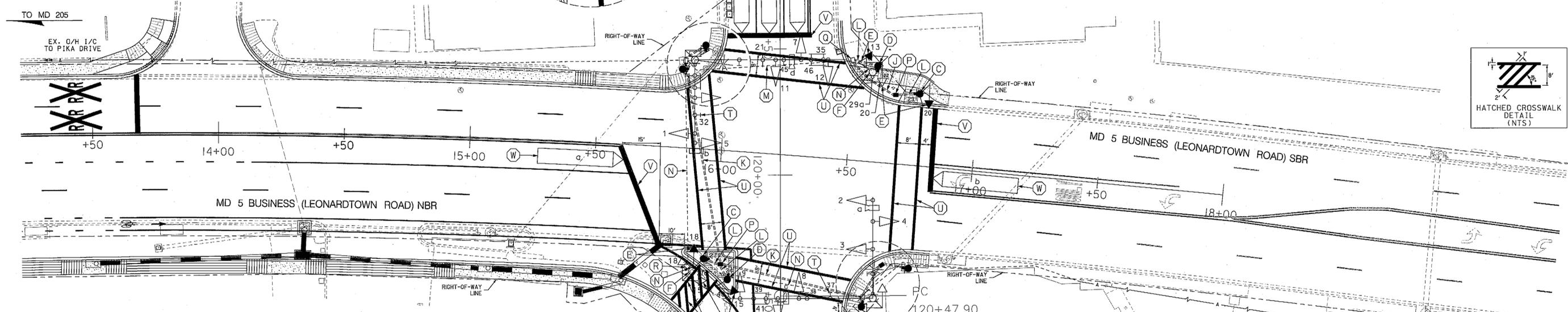
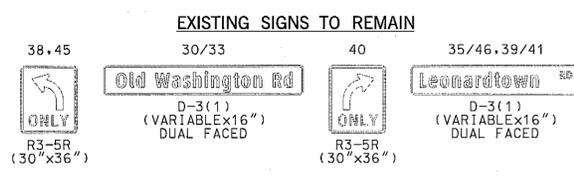
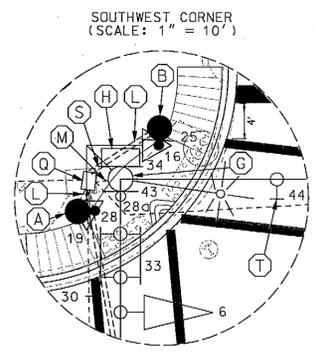
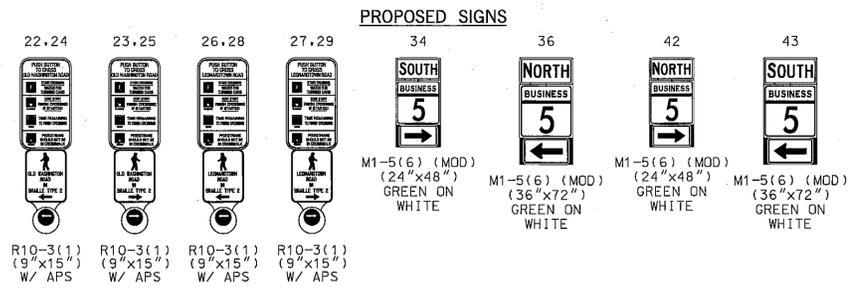


MD 5 BUSINESS IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

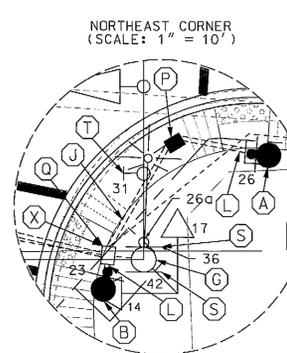


**PHASING NOTES:**  
 1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
 2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



**CONSTRUCTION DETAILS**

- A. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS LEONARDTOWN ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 15+82, 31' LT.; STA 16+78, 41' RT.)
- B. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS OLD WASHINGTON ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 15+91, 41' LT.; STA 16+61, 57' RT.)
- C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD (POLE-MOUNTED), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS LEONARDTOWN ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 15+96, 43' RT.; STA 16+77, 28' LT.)
- D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01), RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD (POLE-MOUNTED), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS OLD WASHINGTON ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 16+06, 51' RT.; STA 16+59, 38' LT.)
- E. RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD.
- F. REMOVE EXISTING SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- G. REMOVE EXISTING PUSHBUTTON AND SIGN FROM SIGNAL POLE.
- H. USE EXISTING POLE MOUNTED CABINET/CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.
- J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- L. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- M. USE EXISTING CONDUIT.
- N. CAP AND ABANDON EXISTING CONDUIT.
- P. INSTALL HANDHOLE.
- Q. USE EXISTING HANDHOLE.
- R. REMOVE EXISTING HANDHOLE.
- S. INSTALL SIGN ON EXISTING SIGNAL POLE.
- T. REMOVE EXISTING OVERHEAD SIGN.
- U. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
- V. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
- W. ADJUST EXISTING VIDEO DETECTION ZONE.
- X. DISCONNECT, PULL BACK, AND REROUTE EXISTING SIGNAL CABLES.



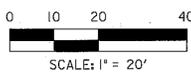
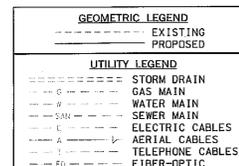
**GENERAL NOTES**

1. ALL SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE TO MEET CLEARANCES AS SPECIFIED IN MD 816.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE LOCATIONS AND GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. ALL UNUSED SIGNAL CABLE SHALL BE PROPERLY REMOVED AND DISPOSED.
4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTIONS 4E-08 AND 4E-10 AND FIGURES 4E-3 AND 4E-4 AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: 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.
5. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 INCHES FROM A 60-INCH BY 60-INCH LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2 PERCENT.
6. THE 10' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
7. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
8. THE CONTRACTOR SHALL REPAIR DAMAGE TO ANY SIDEWALKS CAUSED BY THE INSTALLATION OR REMOVAL OF SIGNAL EQUIPMENT.
9. ALL EXISTING TRAFFIC EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
10. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
11. ALL CROSSWALKS SHALL BE CENTERED TO THE PROPOSED SIDEWALK RAMP.
12. REFER TO SN SHEETS FOR ADDITIONAL SIGNING AND MARKING DETAILS.

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION

**MD 5 BUSINESS (LEONARDTOWN ROAD) AT MD 925 (OLD WASHINGTON ROAD) WALDORF, MARYLAND**

APPROVALS	REVISIONS
TEAM LEADER	① INSTALL APS MODIFICATIONS DUE TO ROADWAY WIDENING 01/18/22 SHA NO. CH220584 TMS NO. 1576
ASSIST. DIR. CHIEF	② BSH <i>[Signature]</i> 8-05
DIVISION CHIEF	③ INSTALL VIDEO DETECTION DUE TO MD 5 B CORRIDOR RESURFACING SHA NO. CH220577
OFFICE DIRECTOR	④ CHANGE PERMISSION TO EP ALONG SB MD 5 7/04



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 4th Floor  
 Baltimore, Maryland 21202  
 (410) 662-7400

BY: P.Kemney