

DRILL HOLES

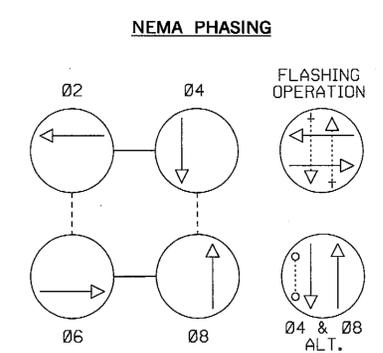
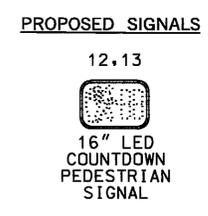
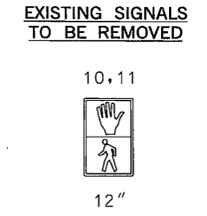
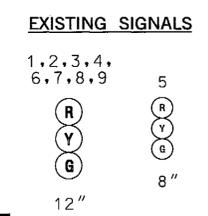
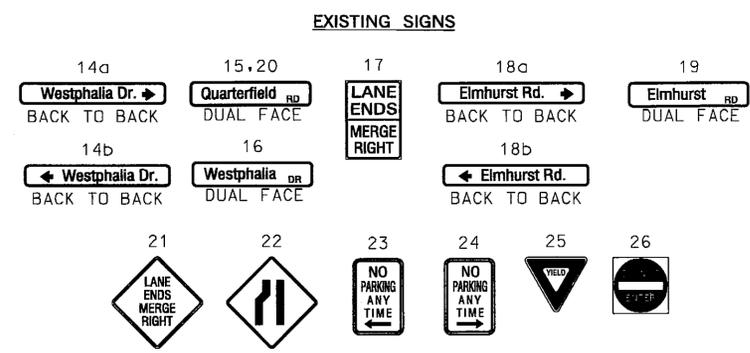
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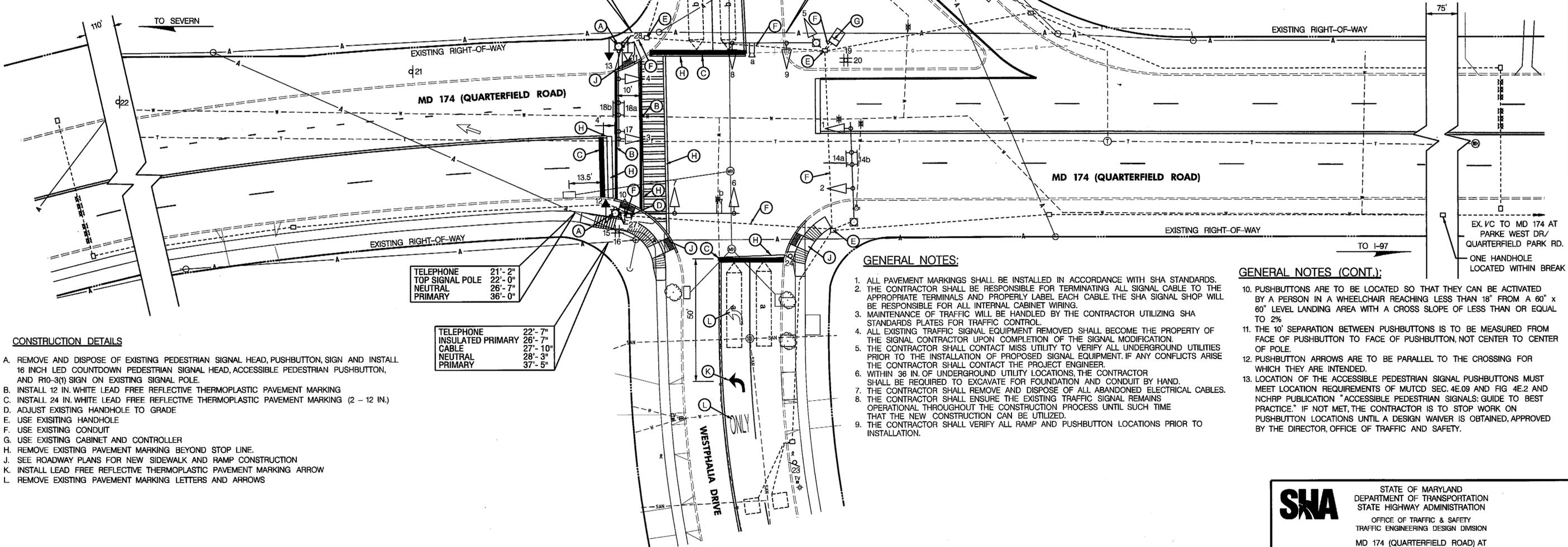
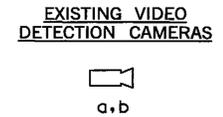
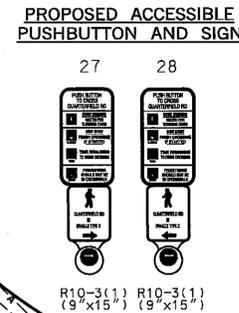
BORDER REV. DATE: June 1, 2004



MD 174 IS ASSUMED TO RUN IN AN EASTWEST DIRECTION

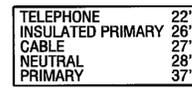


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A. REMOVE AND DISPOSE OF EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, SIGN AND INSTALL 16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN ON EXISTING SIGNAL POLE.
- B. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
- C. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (2 - 12 IN.)
- D. ADJUST EXISTING HANDHOLE TO GRADE
- E. USE EXISTING HANDHOLE
- F. USE EXISTING CONDUIT
- G. USE EXISTING CABINET AND CONTROLLER
- H. REMOVE EXISTING PAVEMENT MARKING BEYOND STOP LINE.
- J. SEE ROADWAY PLANS FOR NEW SIDEWALK AND RAMP CONSTRUCTION
- K. INSTALL LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING ARROW
- L. REMOVE EXISTING PAVEMENT MARKING LETTERS AND ARROWS



GENERAL NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
3. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING SHA STANDARDS PLATES FOR TRAFFIC CONTROL.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
5. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
8. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL THROUGHOUT THE CONSTRUCTION PROCESS UNTIL SUCH TIME THAT THE NEW CONSTRUCTION CAN BE UTILIZED.
9. THE CONTRACTOR SHALL VERIFY ALL RAMP AND PUSHBUTTON LOCATIONS PRIOR TO INSTALLATION.

GENERAL NOTES (CONT.):

10. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%
11. THE 10" SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
12. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
13. LOCATION OF THE ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND 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.

GEOMETRIC LEGEND

--- EXISTING
--- PROPOSED

UTILITY LEGEND

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

RJM ENGINEERING, INC.
CONSULTING ENGINEERS
ELLCOTT CITY, MARYLAND

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>UPGRADE PED SIGNAL HEADS TO APS/CPS. AX7055168 TMS K651 02/2011</p> <p>UPGRADE VIDEO DETECTION ON ALL L. B LESS: INSTALL NON-INVASIVE PROBES SHA CONTRACT NO. XX3535168 TMS #K648 09/28/2010</p>

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 174 (QUARTERFIELD ROAD) AT
ELMHURST ROAD/WESTPHALIA DRIVE
HANOVER, MARYLAND

SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE SEPT. 10, 1987. CONTRACT NO. AA-455-509-585

DESIGNED BY R. CHRISTMAN COUNTY ANNE ARUNDEL
DRAWN BY J. GREEZICKI LOGMILE 02017404.39
CHECKED BY D. DODA TMS NO. K651
F.A.P. NO. TOD NO.

TS NO. 2379C DRAWING SG-01 OF 02 SHEET NO. 1 OF 2

BY: \$USER\$

PLOTTED: \$DATE\$ TIME: \$TIME\$ FILE: \$FILE\$