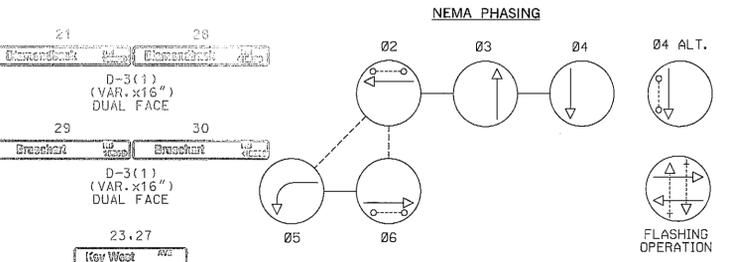
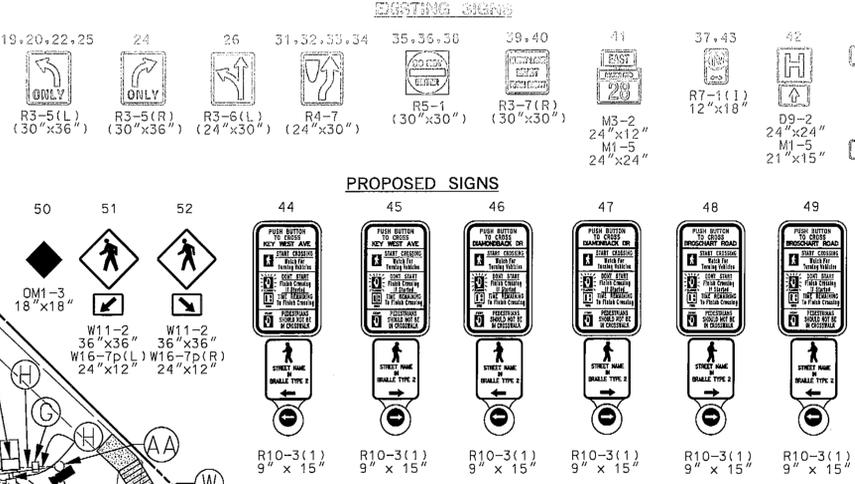
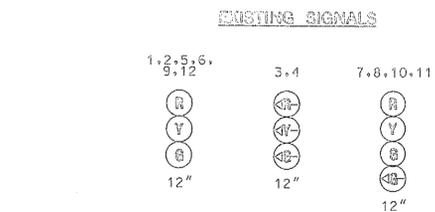
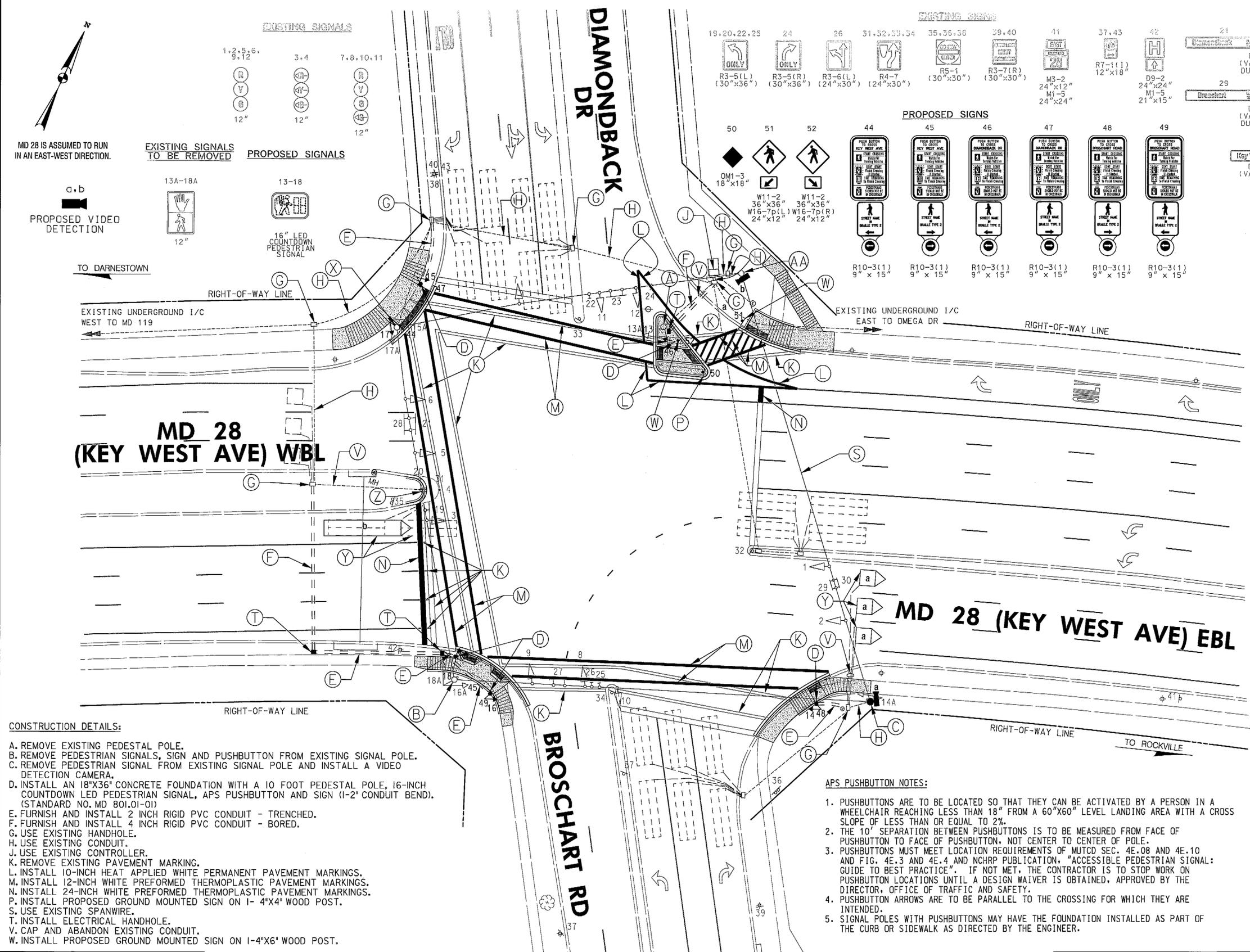
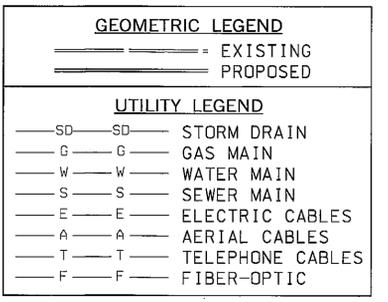


BY: Joost Van Boekhold Division: P068 Highway Traff GMA Emp

BORDER REV. DATE: Memo#12720807



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



CONSTRUCTION DETAILS:

- A. REMOVE EXISTING PEDESTAL POLE.
- B. REMOVE PEDESTRIAN SIGNALS, SIGN AND PUSHBUTTON FROM EXISTING SIGNAL POLE.
- C. REMOVE PEDESTRIAN SIGNAL FROM EXISTING SIGNAL POLE AND INSTALL A VIDEO DETECTION CAMERA.
- D. INSTALL AN 18"x36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE, 16-INCH COUNTDOWN LED PEDESTRIAN SIGNAL, APS PUSHBUTTON AND SIGN (1-2" CONDUIT BEND), (STANDARD NO. MD 801.01-01)
- E. FURNISH AND INSTALL 2 INCH RIGID PVC CONDUIT - TRENCHED.
- F. FURNISH AND INSTALL 4 INCH RIGID PVC CONDUIT - BORED.
- G. USE EXISTING HANDHOLE.
- H. USE EXISTING CONDUIT.
- J. USE EXISTING CONTROLLER.
- K. REMOVE EXISTING PAVEMENT MARKING.
- L. INSTALL 10-INCH HEAT APPLIED WHITE PERMANENT PAVEMENT MARKINGS.
- M. INSTALL 12-INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
- N. INSTALL 24-INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
- P. INSTALL PROPOSED GROUND MOUNTED SIGN ON 1- 4"x4" WOOD POST.
- S. USE EXISTING SPANWIRE.
- T. INSTALL ELECTRICAL HANDHOLE.
- V. CAP AND ABANDON EXISTING CONDUIT.
- W. INSTALL PROPOSED GROUND MOUNTED SIGN ON 1-4"x6" WOOD POST.

APS PUSHBUTTON NOTES:

- 1. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"x60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- 2. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- 3. PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08 AND 4E.10 AND FIG. 4E.3 AND 4E.4 AND NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNAL: 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.
- 4. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- 5. SIGNAL POLES WITH PUSHBUTTONS MAY HAVE THE FOUNDATION INSTALLED AS PART OF THE CURB OR SIDEWALK AS DIRECTED BY THE ENGINEER.

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- 2. REMOVE ALL POLE FOUNDATIONS 12 INCHES BELOW GRADE.
- 3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL PROJECT.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 5. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED FROM TRAFFIC SIGNAL CONDUITS.
- 6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE CONTACT THE PROJECT ENGINEER.
- 7. 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.
- 8. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 9. CONTRACTOR TO REMOVE EXISTING LANDSCAPE AS NECESSARY TO INSTALL TRAFFIC SIGNAL EQUIPMENT.
- 10. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 11. RIGHT-OF-WAY INFORMATION AS SHOWN ON SIGNAL PLAN OF RECORD.

KCI TECHNOLOGIES
 936 RIDGEBROOK ROAD
 SHARPS, MARYLAND 21152
 TELEPHONE: (410) 316-7800
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ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS

- X. REMOVE PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN FROM EXISTING SIGNAL POLE AND INSTALL 16-INCH LED PEDESTRIAN SIGNAL, APS PUSHBUTTON AND SIGN.
- Y. ABANDON EXISTING LOOP DETECTOR.
- Z. REMOVE EXISTING HANDHOLE.
- AA. INSTALL VIDEO DETECTION CAMERA ON EXISTING POLE.

APPROVALS	REVISIONS
TEAM LEADER	APPROVED FOR RECORD
ASST. DIV. CHIEF	APPROVED FOR RECORD
DIVISION CHIEF	APPROVED FOR RECORD
OFFICE DIRECTOR	APPROVED FOR RECORD

APPROVED FOR RECORD	APPROVED FOR RECORD
APPROVED FOR RECORD	APPROVED FOR RECORD
APPROVED FOR RECORD	APPROVED FOR RECORD
APPROVED FOR RECORD	APPROVED FOR RECORD

SNA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 28 (KEY WEST AVENUE) AT
 DIAMONDBACK ROAD/BROSCHART ROAD
 ROCKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 1999 CONTRACT NO. BW996182

DESIGNED BY COUNTY MONTGOMERY
 DRAWN BY LOGMILE 15002818.91
 CHECKED BY TMS NO. 11
 F.A.P. NO. TOD NO.

TS NO. 4058D DRAWING SG- 1 OF 3 SHEET NO. 10 OF 24

PLOTTED: *10:28 AM on Tuesday, April 02, 2013
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