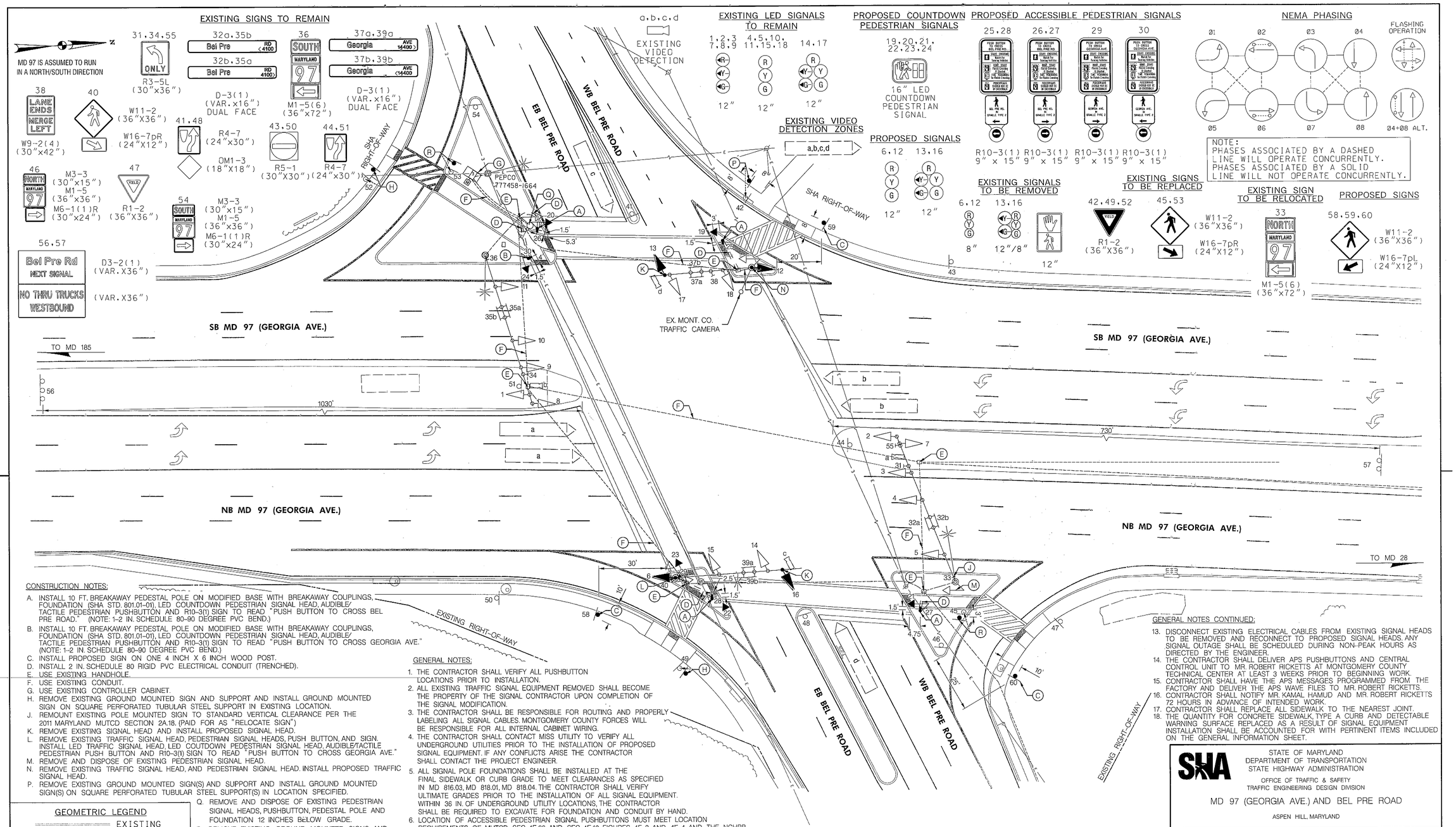

CONSTRUCTION NOTES:

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE ON MODIFIED BASE WITH BREAKAWAY COUPLINGS, FOUNDATION (SHA STD. 801.01-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS BEL PRE ROAD." (NOTE: 1-2 IN. SCHEDULE 80-90 DEGREE PVC BEND.)

B. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE ON MODIFIED BASE WITH BREAKAWAY COUPLINGS, FOUNDATION (SHA STD. 801.01-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS GEORGIA AVE." (NOTE: 1-2 IN. SCHEDULE 80-90 DEGREE PVC BEND.)

C. INSTALL PROPOSED SIGN ON ONE 4 INCH X 6 INCH WOOD POST.

D. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).

E. USE EXISTING HANDHOLE.

F. USE EXISTING CONDUIT.

G. USE EXISTING CONTROLLER CABINET.

H. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT AND INSTALL GROUND MOUNTED SIGN ON SQUARE PERFORATED TUBULAR STEEL SUPPORT IN EXISTING LOCATION.

J. REMOUNT EXISTING POLE MOUNTED SIGN TO STANDARD VERTICAL CLEARANCE PER THE 2011 MARYLAND MUTCD SECTION 2A.18. (PAID FOR AS "RELOCATE SIGN")

K. REMOVE EXISTING SIGNAL HEAD AND INSTALL PROPOSED SIGNAL HEAD.

L. REMOVE EXISTING TRAFFIC SIGNAL HEAD, PEDESTRIAN SIGNAL HEADS, PUSH BUTTON, AND SIGN. INSTALL LED TRAFFIC SIGNAL HEAD, LED COUTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSH BUTTON AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS GEORGIA AVE."

M. REMOVE AND DISPOSE OF EXISTING PEDESTRIAN SIGNAL HEAD.

N. REMOVE EXISTING TRAFFIC SIGNAL HEAD, AND PEDESTRIAN SIGNAL HEAD. INSTALL PROPOSED TRAFFIC SIGNAL HEAD.

P. REMOVE EXISTING GROUND MOUNTED SIGN(S) AND SUPPORT AND INSTALL GROUND MOUNTED SIGN(S) ON SQUARE PERFORATED TUBULAR STEEL SUPPORT(S) IN LOCATION SPECIFIED.

Q. REMOVE AND DISPOSE OF EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, PEDESTAL POLE AND FOUNDATION 12 INCHES BELOW GRADE.

R. REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORT AND INSTALL GROUND MOUNTED SIGNS ON ONE 4 INCH X 6 INCH WOOD POST IN EXISTING LOCATION.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PUSHBUTTON LOCATIONS PRIOR TO INSTALLATION.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. MONTGOMERY COUNTY FORCES WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. 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.
5. ALL SIGNAL POLE FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
6. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08 AND SEC. 4E.10 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 LOCATION UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
7. 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%.
8. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
10. ~~THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.~~
11. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL EQUIPMENT REMAINS OPERATIONAL UNTIL PROPOSED EQUIPMENT IS OPERATIONAL.
12. CONTRACTOR IS TO MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION STAGES.

GENERAL NOTES CONTINUED:

13. DISCONNECT EXISTING ELECTRICAL CABLES FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RECONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
14. THE CONTRACTOR SHALL DELIVER APS PUSHBUTTONS AND CENTRAL CONTROL UNIT TO MR. ROBERT RICKETTS AT MONTGOMERY COUNTY TECHNICAL CENTER AT LEAST 3 WEEKS PRIOR TO BEGINNING WORK.
15. CONTRACTOR SHALL HAVE THE APS MESSAGES PROGRAMMED FROM THE FACTORY AND DELIVER THE APS WAVE FILES TO MR. ROBERT RICKETTS.
16. CONTRACTOR SHALL NOTIFY MR. KAMAL HAMUD AND MR. ROBERT RICKETTS 72 HOURS IN ADVANCE OF INTENDED WORK.
17. CONTRACTOR SHALL REPLACE ALL SIDEWALK TO THE NEAREST JOINT.
18. THE QUANTITY FOR CONCRETE SIDEWALK, TYPE A CURB AND DETECTABLE WARNING SURFACE REPLACED AS A RESULT OF SIGNAL EQUIPMENT INSTALLATION SHALL BE ACCOUNTED FOR WITH PERTINENT ITEMS INCLUDED ON THE GENERAL INFORMATION SHEET.

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

BY: Phil

RJM ENGINEERING, INC.
CONSULTING ENGINEERS
ELLICOTT CITY, MARYLAND

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

D UPGRADE APS/CPS SHA NO. XY15/5185 TIMS NO. L803 03/20/13
CTS JBT RJB Jen 03W
C ADD PEDESTAL POLE WITH RELOCATED PEDESTRIAN SIGNALS AND PUSHBUTTON 7/9/02
SRB NML
B REBUILT TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS 1/01
NML

FLOTTED: Tuesday, March 26, 2013 AT 02:27 PM
FILE: P:\SHA\MD 97 Signals\MD 97 at Bel Pre\2013-03\pSG-P001_MD97-BELPRE.dgn

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (GEORGIA AVE.) AND BEL PRE ROAD

ASPEN HILL, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE CONTRACT NO.

DESIGNED BY COUNTY MONTGOMERY
DRAWN BY LOGMILE 15009707.67
CHECKED BY TIMS NO. D728
F.A.P. NO. TOD NO.

TS NO. 3337D | DRAWING SG-01 OF 02 | SHEET NO. 1 OF 2