MD 6 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

15 — R10-3(1) 9" x 15"

16 — R10-3(1) 9" x 15"

17 — R10-3(1) 9" x 15"

18 — R10-3(1) 9" x 15"

EXISTING SIGNS

11,12 — Garrett Ave

14 — Charles ST

13

EXISTING SIGNALS TO REMAIN

1-6 — R Y G — 12"

7,8 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

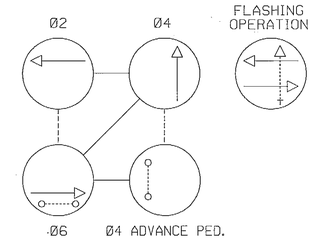
PROPOSED SIGNALS

9,10 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

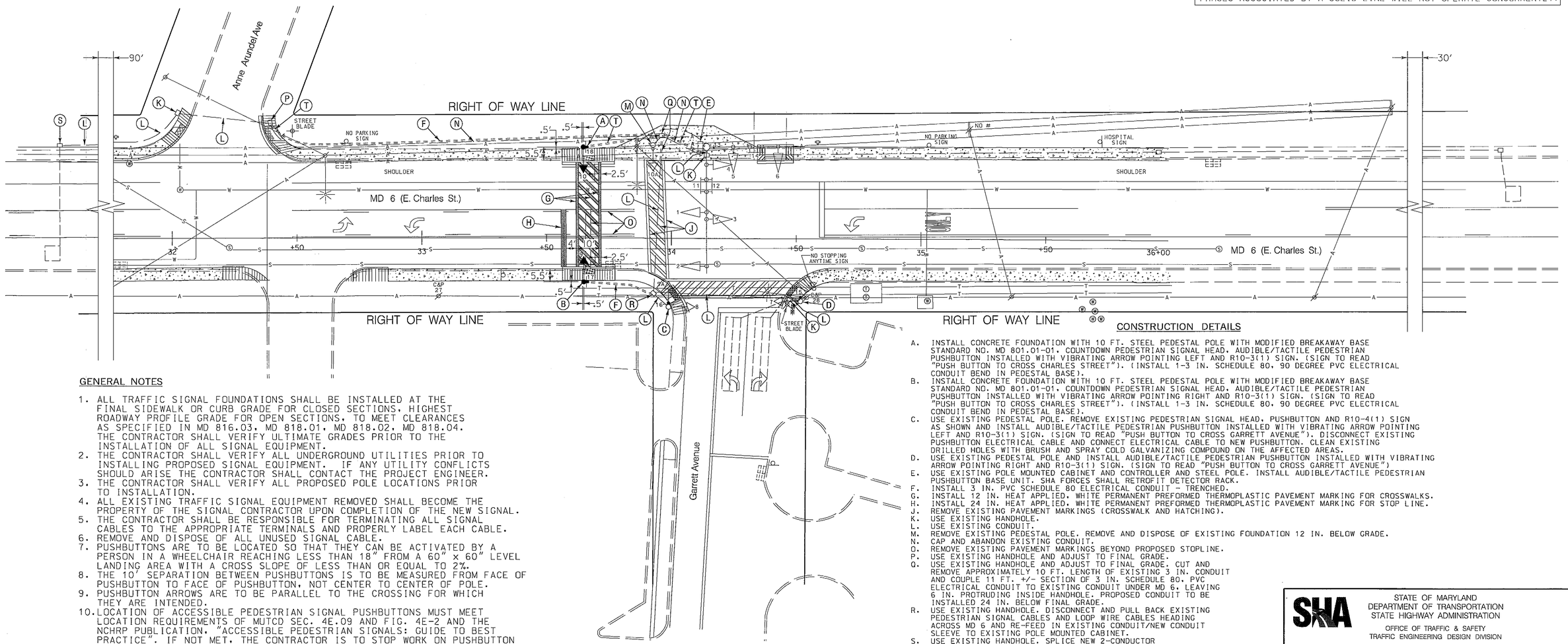
EXISTING SIGNALS TO BE REMOVED

9A,10A — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

NEMA PHASING



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



GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
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. 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 A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
11. ANY LANE CLOSURES DUE TO THE INSTALLATION OF SIGNAL EQUIPMENT OR PAVEMENT MARKINGS SHALL COMPLETED DURING NIGHTTIME OPERATIONS.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS CHARLES STREET"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS CHARLES STREET"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
C. USE EXISTING PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN AS SHOWN AND INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS GARRETT AVENUE"). DISCONNECT EXISTING PUSHBUTTON ELECTRICAL CABLE AND CONNECT ELECTRICAL CABLE TO NEW PUSHBUTTON. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
D. USE EXISTING PEDESTAL POLE AND INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS GARRETT AVENUE")
E. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER AND STEEL POLE. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT. SHA FORCES SHALL RETROFIT DETECTOR RACK.
F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
H. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
J. REMOVE EXISTING PAVEMENT MARKINGS (CROSSWALK AND HATCHING).
K. USE EXISTING HANDHOLE.
L. USE EXISTING CONDUIT.
M. REMOVE EXISTING PEDESTAL POLE. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
N. CAP AND ABANDON EXISTING CONDUIT.
O. REMOVE EXISTING PAVEMENT MARKINGS BEYOND PROPOSED STOPLINE.
P. USE EXISTING HANDHOLE AND ADJUST TO FINAL GRADE.
Q. USE EXISTING HANDHOLE AND ADJUST TO FINAL GRADE. CUT AND REMOVE APPROXIMATELY 10 FT. LENGTH OF EXISTING 3 IN. CONDUIT AND COUPLE 11 FT. +/- SECTION OF 3 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT TO EXISTING CONDUIT UNDER MD 6, LEAVING 6 IN. PROTRUDING INSIDE HANDHOLE. PROPOSED CONDUIT TO BE INSTALLED 24 IN. BELOW FINAL GRADE.
R. USE EXISTING HANDHOLE. DISCONNECT AND PULL BACK EXISTING PEDESTRIAN SIGNAL CABLES AND LOOP WIRE CABLES HEADING ACROSS MD 6 AND RE-FEED IN EXISTING CONDUIT/NEW CONDUIT SLEEVE TO EXISTING POLE MOUNTED CABINET.
S. USE EXISTING HANDHOLE. SPLICE NEW 2-CONDUCTOR (NO. 14 A.W.G.) ALUMINUM SHIELDED ELECTRICAL CABLE TO EXISTING LOOP WIRE (NO. 14 A.W.G.).
T. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. CONDUIT TO BE INSTALLED PRIOR TO POURING OF NEW SIDEWALK.

WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231
BY: sbloss

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

APPROVALS
ORIGINAL ON FILE
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
(B) ADDED AUDIBLE PEDESTRIAN SIGNALS CONTRACT NO. AX7055168 11/24/2010 SRB NMI
(A) CHANGE PED PHASING ACROSS MD 6 TO LEADING. ADD COUNTDOWN PEDESTRIAN SIGNALS. 10/2005 XX XX

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 6 (E. Charles Street) and Garrett Avenue
La Plata, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 4291992 CONTRACT NO. CH-586-501-585

DESIGNED BY S.R. Baranowski (for STS) COUNTY Charles
DRAWN BY R.R. Zacherl (for STS) LOGMILE 08000626.00
CHECKED BY D. Doda TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 3242 B | DRAWING TSP-1 OF 2 | SHEET NO. OF

PLOTTED: 11-29-2010
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