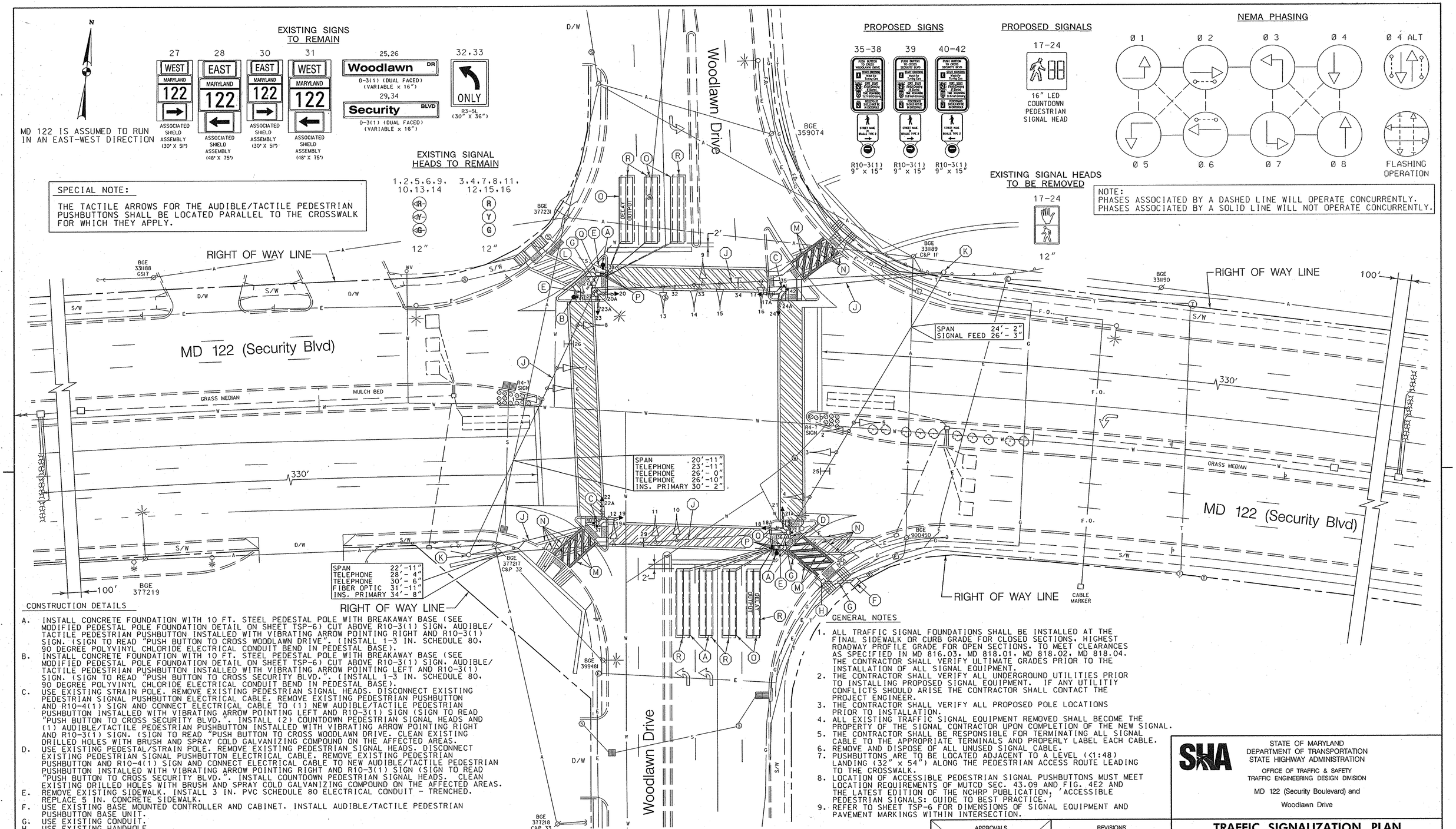

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET TSP-6) CUT ABOVE R10-3(1) SIGN. AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS WOODLAWN DRIVE". (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).

B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET TSP-6) CUT ABOVE R10-3(1) SIGN. AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS SECURITY BLVD.". (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).

C. USE EXISTING STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. DISCONNECT EXISTING PEDESTRIAN SIGNAL PUSHBUTTON ELECTRICAL CABLE. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND R10-4(1) SIGN AND CONNECT ELECTRICAL CABLE TO (1) NEW AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS SECURITY BLVD.". INSTALL (2) COUNTDOWN PEDESTRIAN SIGNAL HEADS AND (1) AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS WOODLAWN DRIVE. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.

D. USE EXISTING PEDESTAL/STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. DISCONNECT EXISTING PEDESTRIAN SIGNAL PUSHBUTTON ELECTRICAL CABLE. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND R10-4(1) SIGN AND CONNECT ELECTRICAL CABLE TO NEW AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS SECURITY BLVD.". INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.

E. REMOVE EXISTING SIDEWALK. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE 5 IN. CONCRETE SIDEWALK.

F. USE EXISTING BASE MOUNTED CONTROLLER AND CABINET. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.

G. USE EXISTING CONDUIT.

H. USE EXISTING HANDHOLE.

J. USE EXISTING SPAN WIRE.

K. USE EXISTING STEEL STRAIN POLE.

L. USE EXISTING STEEL STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS.

M. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.

N. REMOVE EXISTING PAVEMENT MARKINGS.

O. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.

P. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)

Q. USE EXISTING HANDHOLE. SPLICE EXISTING 2-CONDUCTOR (NO. 14 A.W.G.) ALUMINUM SHIELDED ELECTRICAL CABLE TO NEW LOOP WIRE (NO. 14 A.W.G.).

R. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

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 UTILITIY 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 CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
7. PUSHBUTTONS ARE TO BE LOCATED ADJACENT TO A LEVEL (<1:48) LANDING (32" x 54") ALONG THE PEDESTRIAN ACCESS ROUTE LEADING TO THE CROSSWALK.
8. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 43.09 AND FIG. 4E2 AND THE LATEST EDITION OF THE NCHRP PUBLICATION, 'ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE.
9. REFER TO SHEET TSP-6 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
50 — 50 STORM DRAIN
G — G GAS MAIN
W — W WATER MAIN
S — S SEWER MAIN
E — E ELECTRIC CABLES
A — A AERIAL CABLES
T — T TELEPHONE CABLES
F — F FIBER-OPTIC

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

REVISIONS
(E) INSTALLED AUDIBLE PEDESTRIAN SIGNALS CONTRACT NO. AX1795133 4/20/2007
BRD | NML
(D) REVISION NO. 1 INSTALL NEW BASE MOUNTED CABINET XX1085185 3/11/2004
SRB | NML
(C) ADDED PROBES AND LOOPS ON MD 122 AND WOODLAWN RD - XX1085185 7/01/2003
SRB | NML

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 122 (Security Boulevard) and
Woodlawn Drive

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE CONTRACT NO.
DESIGNED BY COUNTY Baltimore
DRAWN BY LOGMILE 03012201.09
CHECKED BY TIMS NO. ~~5140~~ I 453
FAP NO. TOD NO.
TS NO. 4089E DRAWING TSP-2 - OF SHEET NO. 2 OF 6

PLOTTED: 04-26-2007
FILE: n:\31556-101\CADD\pSG-P002_mdl122.dgn

BY: sbloss