MD 542 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

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. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
5. PUSHBUTTONS ARE TO BE LOCATED ADJACENT TO A LEVEL (<1:48) LANDING (32" x 54") ALONG THE PEDESTRIAN ACCESS ROUTE LEADING TO THE CROSSWALK.
6. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E-2 AND THE LATEST EDITION OF THE NCHRP PUBLICATION. 'ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE.'
7. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
8. REFER TO SHEET 4 FOR DIMENSIONS OF SIGNAL EQUIPMENT WITHIN INTERSECTION.
9. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60" x 60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
10. IF THE LOCATION OF ACCESIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST BE CHANGED. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER TO OBTAIN APPROVAL FOR THE NEW LOCATION TO ENSURE MUTCD SEC. 4E.09 & 4E-2 REQUIREMENTS ARE MET. ALL WORK MUST BE HALTED UNTIL THE PROJECT ENGINEER HAS OBTAINED AN APPROVED LOCATION OR IF THE NECESSARY DESIGN WAIVER IS OBTAINED.

EXISTING SIGNS

21,23,24,26 — Taylor AVE
27,31,32,36 — Loch Raven BLVD
28 — SOUTH MARYLAND 542
34 — SOUTH MARYLAND 542
33 — NORTH MARYLAND 542
29 — NORTH MARYLAND 542

EXISTING SIGNS TO BE REMOVED

22,25,30,35 — LEFT TURN YIELD ON GREEN

EXISTING SIGNALS TO REMAIN

1,4,7,10 — 12"/8"
2,5,8,11 — 12"
3,6,9,12 — 12"

EXISTING SIGNALS TO BE REMOVED

13a-20a

PROPOSED SIGNALS

13-20 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

PROPOSED SIGNS

38, 41,43, 42,44, 37,39,40 — PUSH BUTTON TO CROSS TAYLOR AVENUE / PUSH BUTTON TO CROSS LOCH RAVEN BLVD — STREET NAME IN SMALLER TYPE 2 — R10-3(1) 9" x 15"

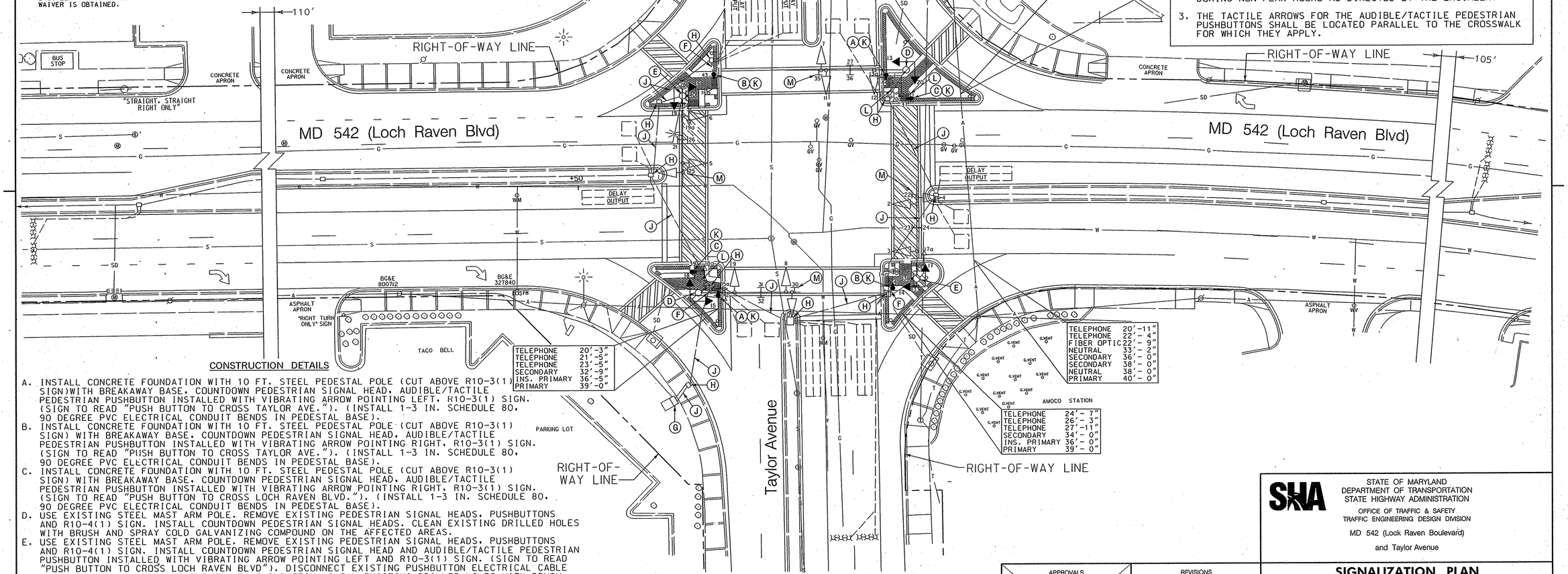
NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø8 + Ø8 ALT.
Ø5 Ø6 Ø7 Ø8
FLASHING OPERATION

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

SPECIAL NOTES:

1. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
3. THE TACTILE ARROWS FOR THE AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT ABOVE R10-3(1) SIGN)WITH BREAKAWAY BASE. COUNTDOWN PEDESTRIAN SIGNAL HEAD. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT. R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS TAYLOR AVE."). (INSTALL 1-3 IN. SCHEDULE 80. 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT ABOVE R10-3(1) SIGN) WITH BREAKAWAY BASE. COUNTDOWN PEDESTRIAN SIGNAL HEAD. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT. R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS TAYLOR AVE."). (INSTALL 1-3 IN. SCHEDULE 80. 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT ABOVE R10-3(1) SIGN) WITH BREAKAWAY BASE. COUNTDOWN PEDESTRIAN SIGNAL HEAD. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT. R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS LOCH RAVEN BLVD."). (INSTALL 1-3 IN. SCHEDULE 80. 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
D. USE EXISTING STEEL MAST ARM POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. PUSHBUTTONS AND R10-4(1) SIGN. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
E. USE EXISTING STEEL MAST ARM POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. PUSHBUTTONS AND R10-4(1) SIGN. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS LOCH RAVEN BLVD"). 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.
F. REMOVE EXISTING SIDEWALK AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE 4 INCH CONCRETE SIDEWALK.
G. USE EXISTING BASE MOUNTED CONTROLLER AND CABINET. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.
H. USE EXISTING HANDHOLE.
J. USE EXISTING CONDUIT.
K. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
L. REMOVE EXISTING CONCRETE SIDEWALK AND DECORATIVE BRICK SIDEWALK AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE SIDEWALK AND DECORATIVE BRICK SIDEWALK.

BY: bdonoway

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

REVISIONS
(C) MODIFY AUDIBLE (OR ACCESSIBLE) PEDESTRIAN SIGNAL EQUIPMENT SHA NO. AT936518S DEC. 11. 2006 — BRD NML
(B) INSTALL AUDIBLE PEDESTRIAN SIGNALS SHA NO. XX1065385 MAY 15. 2002 — SRB NML
(A) RELOCATE TRAFFIC SIGNAL POLES CONTRACT NO. BA3225183 ADDENDUM NO. 2 JUNE 1. 2000 — NML

PLOTTED: Wednesday, December 13, 2006 AT 07:50 AM
FILE: H:\31556-076\CADD\pSG-P001_taylor.dgn

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 542 (Lock Raven Boulevard)
and Taylor Avenue

SIGNALIZATION PLAN

SCALE 1" = 20' DATE 9-26-84 CONTRACT NO. B 785-501-485

DESIGNED BY
DRAWN BY Bruce Thompson
CHECKED BY Dennis Doda
FAP NO.
COUNTY BALTIMORE
LOGMILE 03542000.98
TIMS NO.
TOD NO.

TS NO. 2011C DRAWING TSP-3 OF SHEET NO. 3 OF 4