US 1 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

EXISTING SIGNS

27 — ONLY | ONLY

36 — ONLY

29,33 — ONLY

24 — LEFT ON GREEN ARROW ONLY

32 — ONLY

23,25,26,28 — Silver Spring Road

30 — NORTH 1 — 24" x 51" GUIDE SHIELD ASSEMBLIES

31 — SOUTH 1 — 36" x 75" GUIDE SHIELD ASSEMBLIES

34 — SOUTH 1 — 24" x 51" GUIDE SHIELD ASSEMBLIES

35 — NORTH 1 — 36" x 75" GUIDE SHIELD ASSEMBLIES

PROPOSED SIGNS

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS BELAIR ROAD — 37,39

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS BELAIR ROAD — 38,40

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS SILVER SPRING ROAD — 41,43

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS SILVER SPRING ROAD — 42,44

PROPOSED SIGNALS

15-22 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

EXISTING SIGNALS TO BE REMOVED

15A-22A — 12"

EXISTING SIGNALS

1,2,5,6 — R, Y, G — 12"

3,4,7,8,14 — R, Y, G — 12"

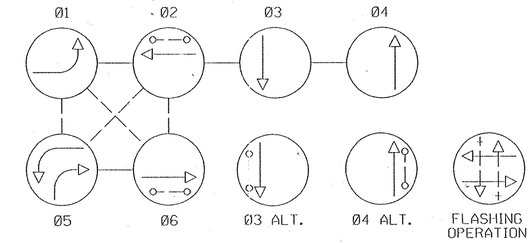
9,10,12,13 — R, Y, G — 12"

11 — R, Y, G — 12"

EXISTING VIDEO DETECTION

a,b

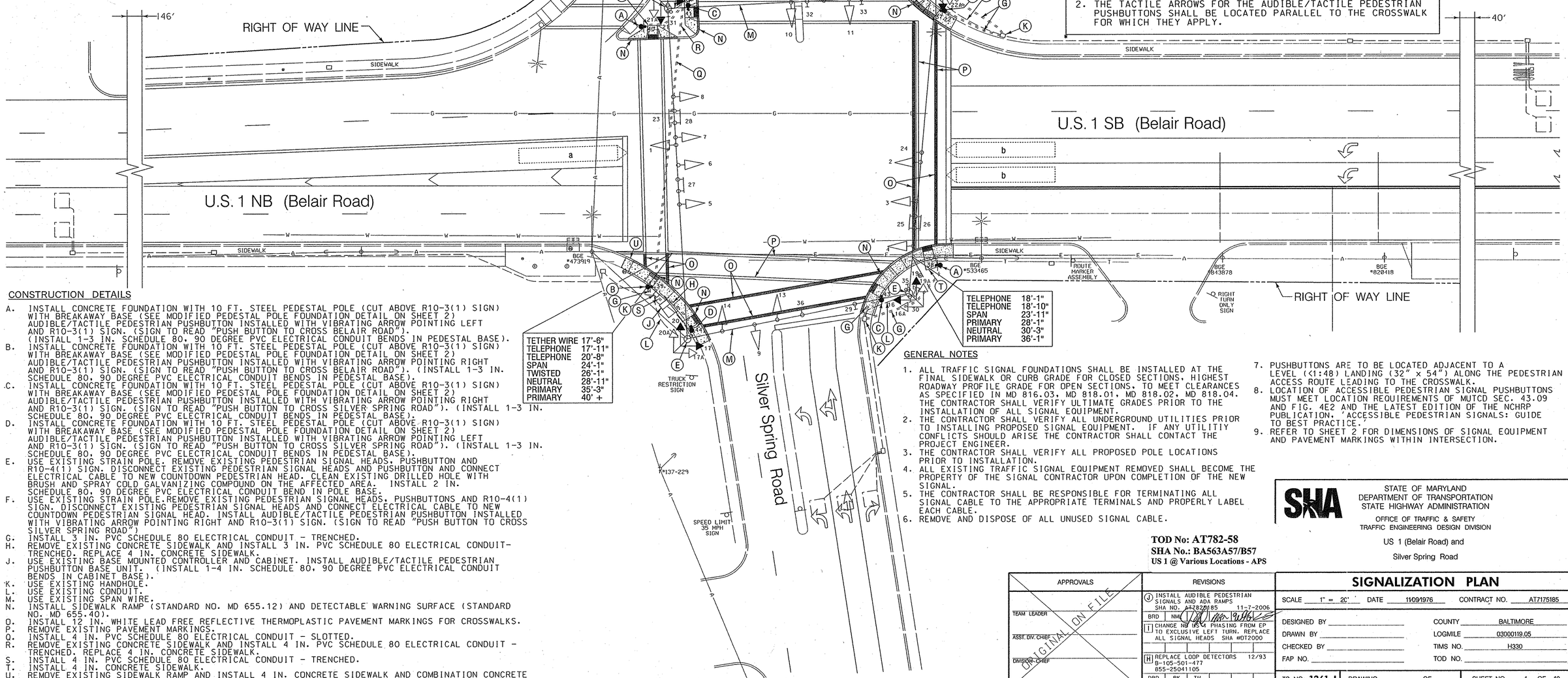
NEMA PHASING



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. 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 (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2) AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS BELAIR ROAD"). (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 (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2) AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS BELAIR ROAD"). (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 (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2) AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS SILVER SPRING ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT ABOVE R10-3(1) SIGN) WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2) AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS SILVER SPRING ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

E. USE EXISTING STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGN. DISCONNECT EXISTING PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON AND CONNECT ELECTRICAL CABLE TO NEW COUNTDOWN PEDESTRIAN HEAD. CLEAN EXISTING DRILLED HOLE WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREA. INSTALL 2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE.

F. USE EXISTING STRAIN POLE.REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS AND R10-4(1) SIGN. DISCONNECT EXISTING PEDESTRIAN SIGNAL HEADS AND CONNECT ELECTRICAL CABLE TO NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS SILVER SPRING ROAD").

G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

H. REMOVE EXISTING CONCRETE SIDEWALK AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-TRENCHED. REPLACE 4 IN. CONCRETE SIDEWALK.

J. USE EXISTING BASE MOUNTED CONTROLLER AND CABINET. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT. (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE).

K. USE EXISTING HANDHOLE.

L. USE EXISTING CONDUIT.

M. USE EXISTING SPAN WIRE.

N. INSTALL SIDEWALK RAMP (STANDARD NO. MD 655.12) AND DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).

O. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALKS.

P. REMOVE EXISTING PAVEMENT MARKINGS.

Q. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

R. REMOVE EXISTING CONCRETE SIDEWALK AND INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. REPLACE 4 IN. CONCRETE SIDEWALK.

S. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

T. INSTALL 4 IN. CONCRETE SIDEWALK.

U. REMOVE EXISTING SIDEWALK RAMP AND INSTALL 4 IN. CONCRETE SIDEWALK AND COMBINATION CONCRETE CURB AND GUTTER (STANDARD NO. MD 620.02 TYPE 'A').

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 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

TOD No: AT782-58
SHA No.: BA563A57/B57
US 1 @ Various Locations - APS

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

US 1 (Belair Road) and
Silver Spring Road

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

REVISIONS					
J	INSTALL AUDIBLE PEDESTRIAN SIGNALS AND ADA RAMPS SHA NO. AT782-0185 11-7-2006				
	BRD	NMB			
I	CHANGE NB US 1 PHASING FROM EP TO EXCLUSIVE LEFT TURN. REPLACE ALL SIGNAL HEADS SHA #OT2000				
H	REPLACE LOOP DETECTORS 8-105-501-477 855-25041105 12/93				
	DBD	BK	TH		

PLOTTED: 11/14/2006
FILE: n:\31558-047\cadd\pSG-P001_us1silver.dgn

SIGNALIZATION PLAN

SCALE 1" = 20' DATE 11/09/1976 CONTRACT NO. AT7175185

DESIGNED BY ____ COUNTY BALTIMORE
DRAWN BY ____ LOGMILE 03000119.05
CHECKED BY ____ TIMS NO. H330
FAP NO. ____ TOD NO. ____

TS NO. 1361 J | DRAWING - OF | SHEET NO. 1 OF 10

BY: sbloss