MD 26 IS ASSUME TO RUN IN EAST-WEST DIRECTION

PROPOSED SIGNS

22: Liberty RD — EAST | MARYLAND 26 | WEST — M95-1(MOD) VARx 42"

21: Liberty RD — WEST | MARYLAND 26 | EAST — M95-1(MOD) VARx 42"

19,20: Essex RD — D3-2 DUAL FACED VAR.x 16"

11,12,13 | 14 | 16,17 | 15,18

1 NEW R10-4(1) MOD 9"x12"

NAVIGTOR PEDESTRIAN 1 PUSHBUTTON AND SIGN

1 PUSHBUTTON SIGN NUMBERS INDICATE THE ASSOCIATED PEDESTRIAN SIGNAL HEAD NUMBER

PROPOSED LED SIGNAL HEADS

2 1, 4, 23, 24 — 8" / 12"

2 2, 5, 7, 9 — 12"

2 3, 6, ~~7~~, 8, ~~9~~, 10 — 12"

11-16 — 16" COUNTDOWN

1 CHANGE

A, B, C, D — DETECTOR ZONES

VIDEO DETECTOR CAMERA

1 2' BRICK PAVERS

NEMA PHASING

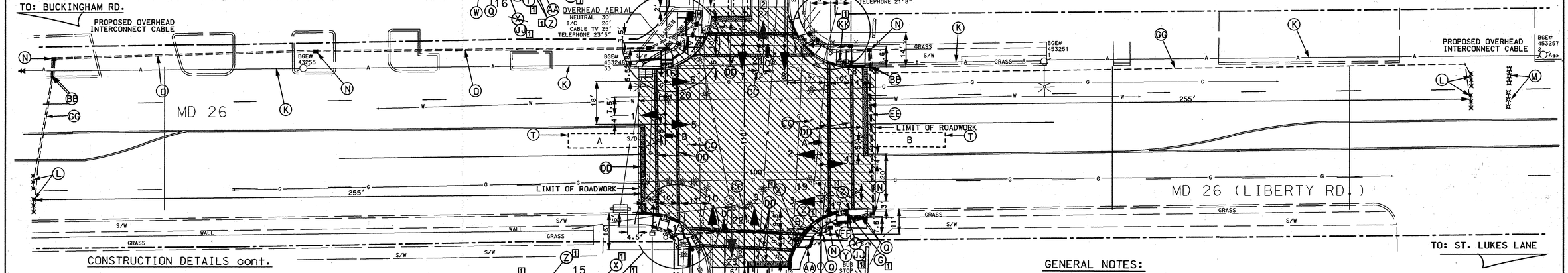
2: Ø1, Ø2, Ø4, Ø4 ALT, Ø2 ALT; Ø5, Ø6 1, Ø8, Ø8 ALT, Ø6 ALT — FLASHING OPERATION

NEMA NOTES:

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

2: Ø1, Ø2, Ø3, Ø4, Ø4 ALT; Ø5, Ø6, Ø7, Ø8, Ø8 ALT — FLASHING OPERATION

LEGEND
ROADWAY RESURFACING
2" GRINDING
2" HOT MIX ASPHALT SUPERPAVE MIXTURE 9.5MM FOR SURFACE, PG 70-22/LEVEL 3



CONSTRUCTION DETAILS

A. INSTALL 27' (CUT TO 21') STEEL POLE WITH 50' (CUT TO 40') MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO CAMERA (FOR FUTURE USE), COUNTDOWN PEDESTRIAN SIGNAL HEADS, SERVICE AND DISTRIBUTION EQUIPMENT AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 23. (NOTE: 1-3" AND 2-2" 90° PVC BEND).

B. INSTALL 27' STEEL POLE WITH TWIN 50' MAST ARMS (CUT MAINLINE TO 40' AND SIDE RD. TO 46') TRAFFIC SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL HEADS, NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 25, VIDEO CAMERAS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).

C. INSTALL 27' (CUT TO 21') STEEL POLE WITH 50' MAST ARM, TRAFFIC SIGNAL HEADS SIGNS, VIDEO CAMERA, PEDESTRIAN SIGNAL HEADS AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON ANS SIGN NO. 24. (NOTE: 1-3" 90° PVC BENDS).

D. INSTALL SIZE '6' BASE-MOUNTED CABINET, WITH CONTROLLER AND ALL NECESSARY EQUIPMENT (THE SIDEWALK SHALL BE THE STANDING PAD. (NOTE: 2-4" & 2-2" 90° PVC BENDS).

RELOCATED DUE TO THE RAMP
1 E. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE (CUT TO 6'). NAVIGATION AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 26.(NOTE: 1-3" 90° PVC BEND).

CONSTRUCTION DETAILS cont.

F. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE. (CUT TO 6'). NAVIGATOR AUDIBLE PEDESTRIAN PUSH BUTTON WITH SIGN NO. 27. (NOTE: 1-3" 90° PVC BEND).

RELOCATED DUE TO THE ROAD
1 G. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE. (CUT TO 6'). NAVIGATOR AUDIBLE PEDESTRIAN PUSH BUTTON WITH SIGN NO. 28. (NOTE: 1-3" 90° PVC BEND).

RELOCATED DUE TO THE ROAD
1 H. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE. (CUT TO 6'). NAVIGATOR AUDIBLE PEDESTRIAN PUSH BUTTON WITH SIGN NO. 29. (NOTE: 1-3" 90° PVC BEND).

J. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE. COUNTDOWN PEDESTRIAN SIGNAL HEADS. AND NAVIGATOR AUDIBLE PEDESTRIAN PUSH BUTTON WITH SIGN NO. 30. (NOTE: 1-3" 90° PVC BEND).

K. REMOVE EXISTING AND INSTALL NEW OVERHEAD SELF SUPPORTING INTERCONNECT CABLE, IN KIND.

L. INSTALL MIRCO LOOP PROBE WITH 500' LEAD-IN CABLE.

M. DISCONNECT AND ABANDON EXISTIND PROBES.

N. INSTALL ELECTRICAL HANDHOLE.

O. INSTALL 4" SCHEDULE 80 PVC CONDUIT- BORED.

P. INSTALL 4" SCHEDULE 80 PVC CONDUIT- TRENCHED.

Q. INSTALL 3" SCHEDULE 80 PVC CONDUIT- TRENCHED.

1 R. INSTALL 2" SCHEDULE 80 PVC CONDUIT - TRENCHED ~~FOR PHONE DROP.~~

CHANGE
1 S. INSTALL METERED SERVICE PEDESTAL WITH 4" TRENCHED TO BASE OF BGE POLE #44009, PROVIDE 1' STUB AND PULL STRING FOR INSTALLATION OF SERVICE FEED.(NOTE: 1-4"&2-2" 90° PVC BENDS).

T. CAMERA DETECTOR ZONE

1 U. ~~OVERHEAD~~ SERVICE INSTALLED BY BGE. UNDERGROUND

1 V. USE BGE POLE NO. 273599 ~~FOR OVERHEAD SERVICE FEED~~ AND UNDERGROUND PHONE DROP TO SIGNAL POLE.

W. INSTALL OVERHEAD 12 PAIR INTERCONNECT CABLE.

1 X. EXCAVATE AND INSTALL PEDESTRIAN TYPE ~~'A'~~ 655.12 RAMP WITH 2' OF BRICK PAVERS AT THE ROAD EDGE.

1 Y. EXCAVATE EXISTING AND INSTALL PROPOSED 5" SIDEWALK.

1 Z. REMOVE EXISTING CURB AND GUTTER AND INSTALL STANDARD TYPE 'A' ~~(DEPRESSED).~~ 8" CURB AND 12' GUTTER PAN.

AA. REMOVE EXISTING POLE AND ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GROUND GRADE.

BB. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

CC. REMOVE EXISTING PAVEMENT MARKINGS, NOT SHOWN.

DD. INSTALL PROPOSED PAVEMENT MARKINGS, AS INDICATED.

EE. INSTALL 4" SCHEDULE 80 PVC CONDUIT - SLOTTED.

FF. REMOVE EXISTING HANDHOLE, CAP AND ABANDON EXISTING CONDUIT.

GG. SAWCUT FOR PROBE LEAD-IN CABLE INSTALLATION.

HH. DISCONNECT EXISTING SERVICE FEED.

1 JJ. EXCAVATE AND INSTALL PEDESTRIAN RAMP TYPE 655.13 WITH 2' OF BRICK PAVERS AT THE ROAD EDGE.

1 KK. RELOCATE EXISTING BUS SIGN AND NEWS BOXES OUT OF PROPOSED RAMP AREA.

UTILITY LEGEND
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
BURIED CABLES
STORM DRAIN

REDLINE REVISION 1 /06

GREENLINE REVISION 2 5/15/07

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ON PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE PROPOSED TRAFFIC SIGNAL EQUIPMENT WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY GRADE FOR OPEN SECTION. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03. MD 818.01. MD 818.02. AND MD 818.04. THE CONTACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
3. THE CONTRACTOR SHALL PURCHASE AND DELIVER NAVIGATOR CENTRAL CONTROL UNIT FOR THE CONTROLLER TO SHA SIGNAL SHOP AT 7491 CONNELLEY DRIVE. HANOVER. MD 21076. MR. EDWARD RODENHIZER AT(410) 787-7652 SHALL BE CONTACTED AT LEAST THREE (3) DAYS PRIOR TO THE DELIVERY.
4. PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO 5" SIDEWALK.
5. A PHONE DROP SHALL BE ARRANGED WITH MR. ROBERT SNYDER. OOTS AT 410-7877631. THE CONTRACTOR SHALL PROVIDED (72) SEVENTY-TWO HOURS NOTICE PRIOR TO THE COMPLETION OF THE PROJECT AND SHALL PROVIDE THE NEAREST ADDRESS.
6. THE CONDUIT AND CURB MODIFICATION SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.

TS 5 OF 10

REVISIONS					
F	RECONST. TO MAST ARM & ADD VIDEO CAMERA, AUDIO PED'S SHA NO. BA 4845176US/TMS 0503 (TI/2)				12/6/05
EMM	TH				
E	AS-BULT.ADD ADVANCE PED ø ACROSS MD 26				7/03
DBD	DJD	DAZ		BK	
D	ADDED E/P LEFT TURN EB AND WB MD 26				3/90
C	ADD 12" SIGNAL HEADS AND LOOP DETECTORS				8/77

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
Phone: (410) 823-8070 Fax: (410) 823-2184

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 26 (LIBERTY RD.) AND ESSEX ROAD

DRAWN BY:	E.L FEIST	F.A.P. NO.		T.S. NO. 652	SHEET NO.
CHECKED BY:		S.H.A. NO.	?	F	19 OF 28
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO.	
DATE:	4/1/1965	LOG MILE:	0302608.89	0503	

FILE: O:\TRANSDW\23024.12\FINAL DESIGN\V-8_files\G503 PSMD26 ESSEX GL.DNG PLOTTED: FRIDAY, MAY 11, 2007 AT 1:09 PM