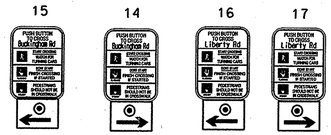
PROPOSED SIGNS



R10- 4(1) 9"x12" BRAILLE TEXT
WITH BLACK FACED PLATE OPTION 'A'
VIBRATING ARROW 5"x 7"

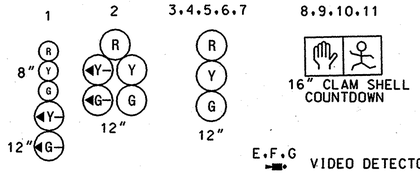
12

Buckingham RD

D3-2 DUAL FACED
VARx16"

MD 26 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

PROPOSED LED SIGNAL HEADS

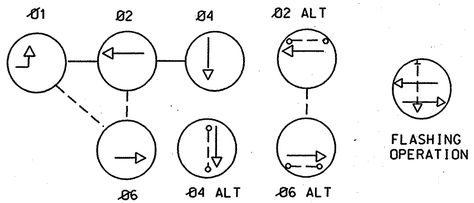


E.F.G VIDEO DETECTOR CAMERA

DETECTOR ZONE

M METERED SERVICE PEDESTAL

NEMA PHASING



PHASING NOTES
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

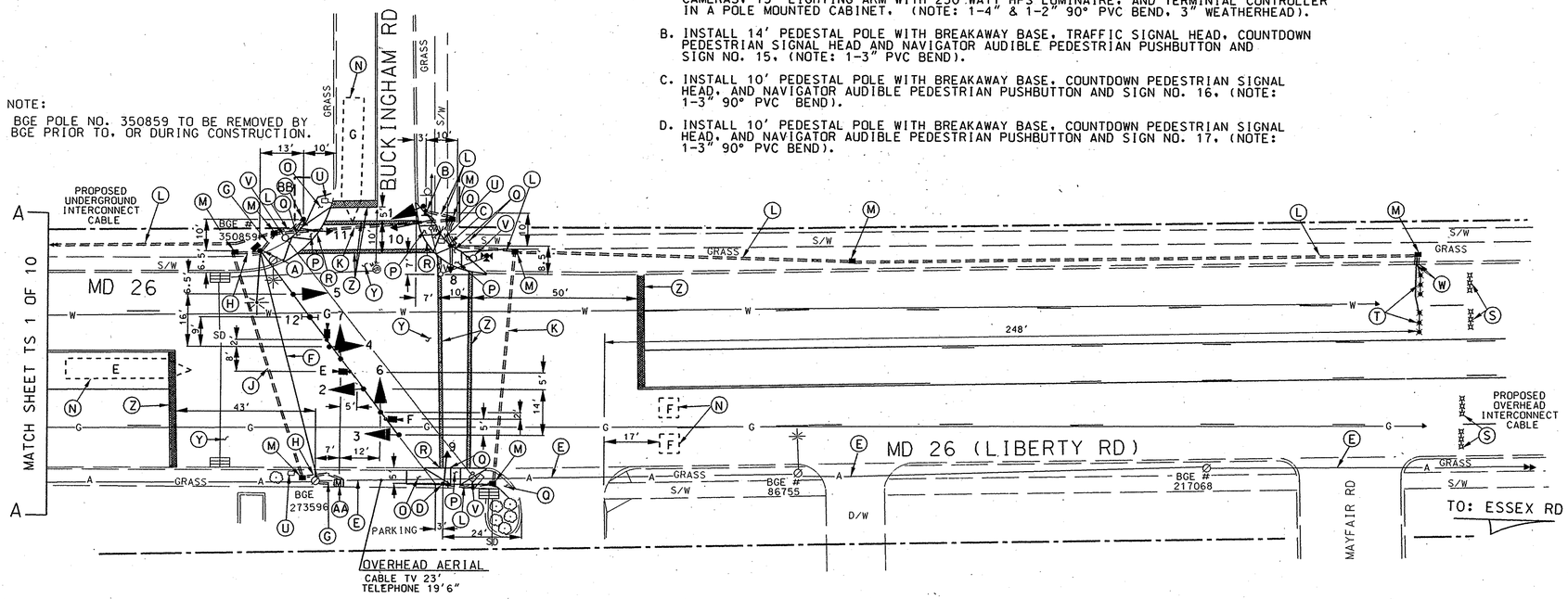
A. INSTALL 27' STEEL POLE WITH 70' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO CAMERAS, 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, AND TERMINIAL CONTROLLER IN A POLE MOUNTED CABINET. (NOTE: 1-4" & 1-2" 90° PVC BEND, 3" WEATHERHEAD).

B. INSTALL 14' PEDESTAL POLE WITH BREAKAWAY BASE, TRAFFIC SIGNAL HEAD, COUNTDOWN PEDESTRIAN SIGNAL HEAD AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 15. (NOTE: 1-3" PVC BEND).

C. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 16. (NOTE: 1-3" 90° PVC BEND).

D. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 17. (NOTE: 1-3" 90° PVC BEND).

NOTE:
BGE POLE NO. 350859 TO BE REMOVED BY BGE PRIOR TO, OR DURING CONSTRUCTION.



CONSTRUCTION DETAILS cont.

E. REMOVE EXISTING OVERHEAD INTERCONNECT CABLE AND INSTALL PROPOSED I/C CABLE, IN KIND.

F. INSTALL PROPOSED INTERCONNNECT CABLE OVERHEAD FROM THE MAST ARM POLE TO BGE POLE NO. 273596.

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

H. INSTALL 2" SCHEDULE 80 PVC CONDUIT - TRENCHED.

J. INSTALL 2" SCHEDULE 80 PVC CONDUIT - SLOTTED.

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

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

M. INSTALL ELECTRICAL HANDHOLE.

N. CAMERA DETECTOR ZONE.

O. EXCAVATE THE AREA IDENTIFIED AND INSTALL 5" SIDEWALK.

P. EXCAVATE AND INSTALL PEDESTRIAN TYPE 'A' RAMP WITH 2' OF BRICK PAVERS AT THE ROAD EDGE.

Q. EXCAVATE EXISTING AND INSTALL PROPOSED 5" SIDEWALK.

R. REMOVE EXISTING CURB AND GUTTER AND INSTALL STANDARD TYPE 'A' (DEPRESSED).

S. DISCONNECT AND ABANDON EXISTING PROBES.

T. INSTALL MICROLOOP PROBE SETS WITH 500' LEND-IN CABLE TO CONTROLLER.

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

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

W. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METELLIC CONDUIT FOR DETECTOR SLEEVE.

Y. REMOVE EXISTING PAVEMENT MARKINGS, NOT SHOWN.

Z. INSTALL PROPOSED PAVEMENT MARKINGS, AS INDICATED.

AA. INSTALL METERED SERVICE PEDESTAL (NOTE: 1-4" 90° BEND WITH 4" CONDUIT TO BGE POLE NO. 273596, 1' STUB AT POLE BASE WITH PULL STRING AND 1-2" 90° BEND TO HANDHOLE.

BB. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 14. (NOTE: 1-3" 90° PVC BEND).

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 PROFILE GRADE FOR OPEN SECTION. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR 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 AND THE PEDESTRIAN BRICK PAVERS.

5. THIS INTERSECTION IS COORDINATED WITH MD 26 AND CROYDON RD. THE VIDEO DETECTOR CAMERA CABLES FROM BUCKINGHAM RD. AND INTERCONNECT CABLE FROM MD 26 AND ESSEX RD. SHALL CONTINUE TO THE MASTER CONTROLLER/CABINET AT CROYDON RD.

6. THE CONDUIT AND CURB MODIFICATION SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
BC	BURIED CABLES
SD	STORM DRAIN

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

REVISIONS			
E	RECONST. TO MAST ARMS. ADD VIDEO CAMERAS & AUDIO PED'S SHA NO. BA 4845176		6/27/05
EMN	TH		
D	INSTALL MD 26 DETECTORS		7/94
SEW			
C	ADD E/P LT WESTBOUND		5/88
GMP	SEW		
B	STEEL POLE, LOOPS, AND 12" HEADS		8/77
MSF	CPN		

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
MD 26 AT BUCKINGHAM ROAD

DRAWN BY:	E.L.FEIST	F.A.P. NO.		TS NO. 4437(6)	SHEET NO.
CHECKED BY:	XXXXX	S.H.A. NO.	?		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. G503	16 OF 28
DATE:	1/26/68	LOG MILES:	03002608.57		

TS 2 OF 10

O:*TRANSDWG*23024.12*FINAL DESIGN*G503 PSMD26 CROYDON.dgn 6/24/2005