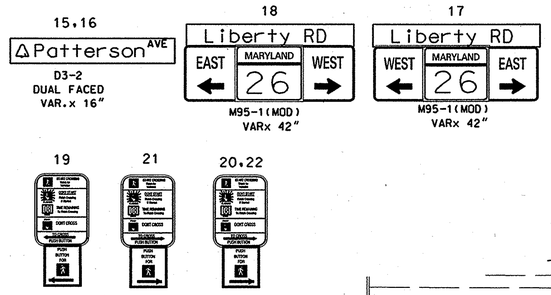
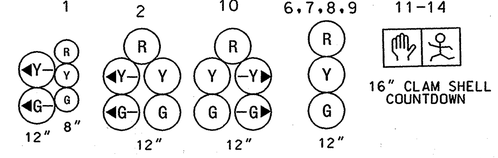
PROPOSED SIGNS



800-85 COUNTDOWN SIGN OPTION 'C' (9"x12") WITH 800-87 PUSHBUTTON SIGN OPTION 'A' (5"x 7¾")

MD 26 IS ASSUME TO RUN IN EAST-WEST DIRECTION

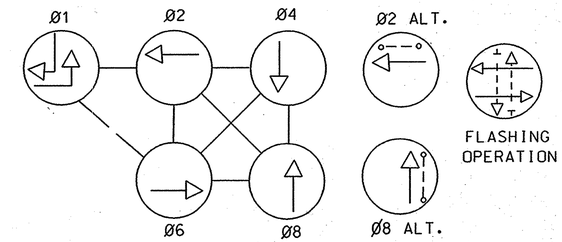
PROPOSED LED SIGNAL HEADS



A,B,C,D VIDEO CAMERA DETECTOR

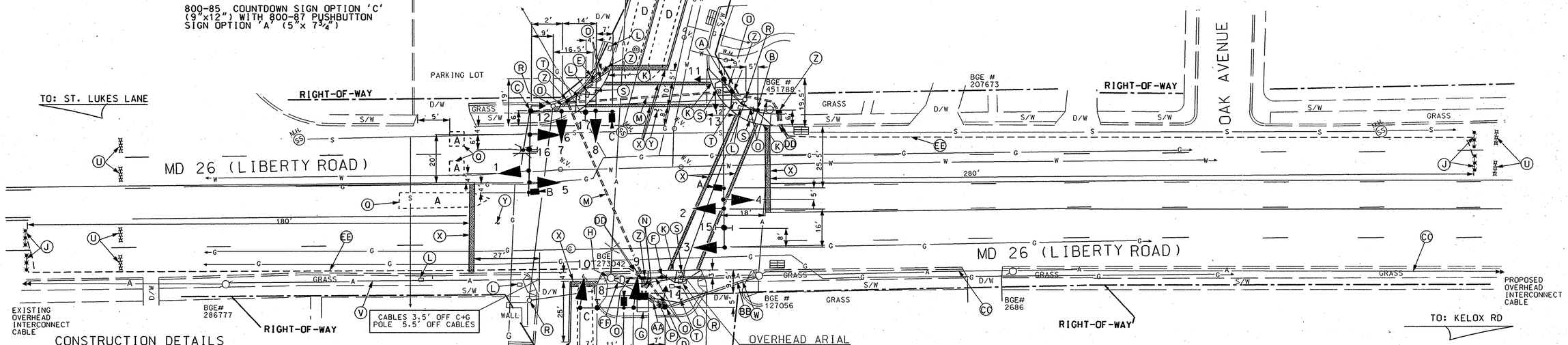
DETECTOR ZONES

NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. INSTALL 27' (CUT TO 21') STEEL POLE WITH 70' MAST ARM, TRAFFIC SIGNAL HEADS, SIGN, VIDEO CAMERA, COUNTDOWN PEDESTRIAN SIGNAL HEADS AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 19. (NOTE: 1-3" 90° PVC BEND).

B. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE (CUT TO 6') AND NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 20. (NOTE: 1-3" 90° PVC BEND).

C. INSTALL 27' STEEL POLE WITH TWIN 50' MAST ARMS (CUT BOTH TO 36'), TRAFFIC SIGNAL HEADS, SIGN, COUNTDOWN PEDESTRIAN SIGNAL HEAD, VIDEO CAMERAS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).

D. INSTALL 27' (CUT TO 21') STEEL POLE WITH 50' MAST ARM (CUT TO 36'), TRAFFIC SIGNAL HEADS, SIGN, VIDEO CAMERA, SERVICE AND DISTRIBUTION EQUIPMENT, AND COUNTDOWN PEDESTRIAN SIGNAL HEAD. (NOTE: 1-3" & 2-2" 90° PVC BENDS, 1-3" WEATHERHEAD).

E. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE (CUT TO 6'), NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 21. (NOTE: 1-3" 90° BEND).

F. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE (CUT TO 6'), NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGN NO. 22. (NOTE: 1-3" 90° BEND).

G. INSTALL SIZE '6' BASE-MOUNTED CABINET, WITH CONTROLLER AND ALL NECESSARY EQUIPMENT. (NOTE: 2-4" & 2-2" 90° PVC BENDS).

H. DISCONNECT EXISTING INTERCONNECT CABLE, PULL-BACK TO UTILITY POLE NO. 273042. INSTALL 1" GALVANIZED CONDUIT RISER AND RE-ROUTE CABLE UNDERGROUND TO THE PROPOSED CONTROLLER/CABINET.

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

K. REMOVE EXISTNG CURB ANG GUTTER, INSTALL STANDARD TYPE 'A' (DEPRESSED).

L. REMOVE EXISTING HANDHOLE, CAP AND ABANDON CONDUIT.

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

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

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

P. INSTALL 2" SCHEDULE 80 PVC CONDUIT- TRENCHED FOR THE PHONE DROP.

Q. CAMERA DETECTOR ZONE.

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

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

OVERHEAD ARIAL

INTERCONNECT	22'
TELEPHONE	21' 10"
TELEPHONE	21'
TELEPHONE	19'3"
TELEPHONE	18'
TELEPHONE	17'4"

CONSTRUCTION DETAILS cont.

T. EXCAVATE EXISTING AND INSTALL PROPOSED 5" SIDEWALK.

U. DISCONNECT AND ABANDON EXISTING PROBES.

V. EXISTING INTERCONNECT CABLE TO REMAIN.

W. PROPOSED OVERHEAD SERVICE FEED TO BE INSTALLED BY BGE (POLE NO.127056).

X. INSTALL PROPOSED PAVEMENT MARKINGS, AS INDICATED.

Y. REMOVE EXISTING PAVEMENT MARKINGS, NOT SHOWN.

Z. INSTALL ELECTRICAL HANDHOLE.

AA. INSTALL 2" SCHEDULE 80 PVC CONDUIT FOR SERVICE FEED.

BB. INSTALL PROPOSED OVERHEAD SELF-SUPPORT INTERCONNECT CABLE.

CC. REMOVE EXISTING AND INSTALL PROPOSED OVERHEAD SELF-SUPPORTING INTERCONNECT CABLE , IN KIND.

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

EE. INSTALL SAWCUT FOR PROBE LEAD-IN CABLE INSTALLATION.

FF. INSTALL OVERHEAD PHONE DROP FROM BGE POLE NO. 273042 TO SIGNAL POLE 'D'.

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

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 AND THE PEDESTRIAN BRICK PAVERS.
5. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MR. ROBERT SNYDER, ODTS AT 410-787-7631 TO ARRANGE THE PHONE DROP. THE CONTRACTOR SHALL PROVIDE (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 7 OF 10

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204
410-823-6070

REVISIONS				
F	RECON. TO MAST ARM, VIDEO DET. AUDIO PED'S SHA NO.BA 4885-76			6/27/05
DAE	EMM	TH		7/14/05
E	AS-BUILT. 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

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

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

MD 26(LIBERTY RD.) AND PATTERSON AVENUE

DRAWN BY:	E.L.FEIST	F.A.P. NO.		TS NO. 121 E	SHEET NO.
CHECKED BY:	XXXXX	S.H.A. NO.	?		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. G503	21 OF 28
DATE:	4/1/1965	LOG MILE:	0302608.89		

o:*TRANSDWG*23024.12*FINAL DESIGN*G503 PSMD26Patterson.dgn 7/14/2005