MD 26 IS ASSUME TO RUN
IN EAST-WEST DIRECTION

CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH 70' MAST ARM (ANGLED TO THE EXISTING CABINET POLE), TRAFFIC SIGNAL HEADS, SIGNS, VIDEO CAMERAS, 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, COUNTDOWN PEDESTRIAN SIGNAL HEADS AND NAVIGATOR AUDIBLE PUSHBUTTON AND SIGN NO. 20, (NOTE: 1-3" 90° PVC BEND).

B. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEADS AND NAVIGATOR AUDIBLE PUSHBUTTON AND SIGN NO. 21, (NOTE: 1-3" 90° PVC BEND).

C. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEADS AND NAVIGATOR AUDIBLE PUSHBUTTON AND SIGN NO. 18, (NOTE: 1-3" 90° PVC BEND).

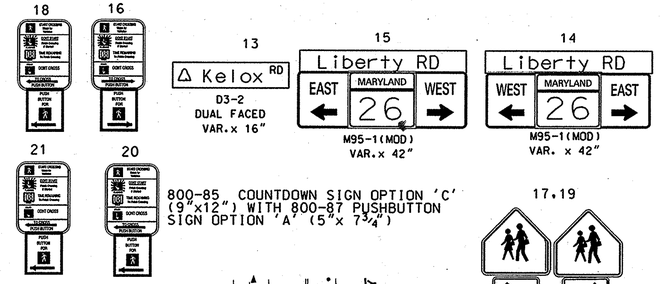
D. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEADS AND NAVIGATOR AUDIBLE PUSHBUTTON AND SIGN NO. 16, (NOTE: 1-3" 90° PVC BEND).

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

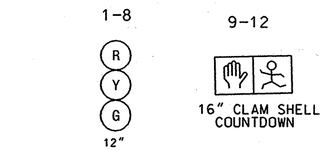
F. REMOVE EXISTING AND INSTALL PROPOSED OVERHEAD INTERCONNECT CABLE, IN KIND.

G. USE EXISTING HANDHOLE, INSTALL 3" SCHEDULE 80 PVC CONDUIT- TRENCHED TO PROPOSED HANDHOLE

PROPOSED SIGNS



PROPOSED LED SIGNAL HEADS

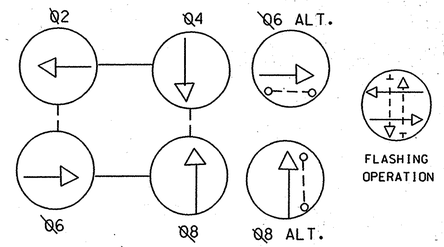


A,B VIDEO DETECTOR CAMERA

DETECTOR ZONE

M METERED SERVICE PEDESTAL

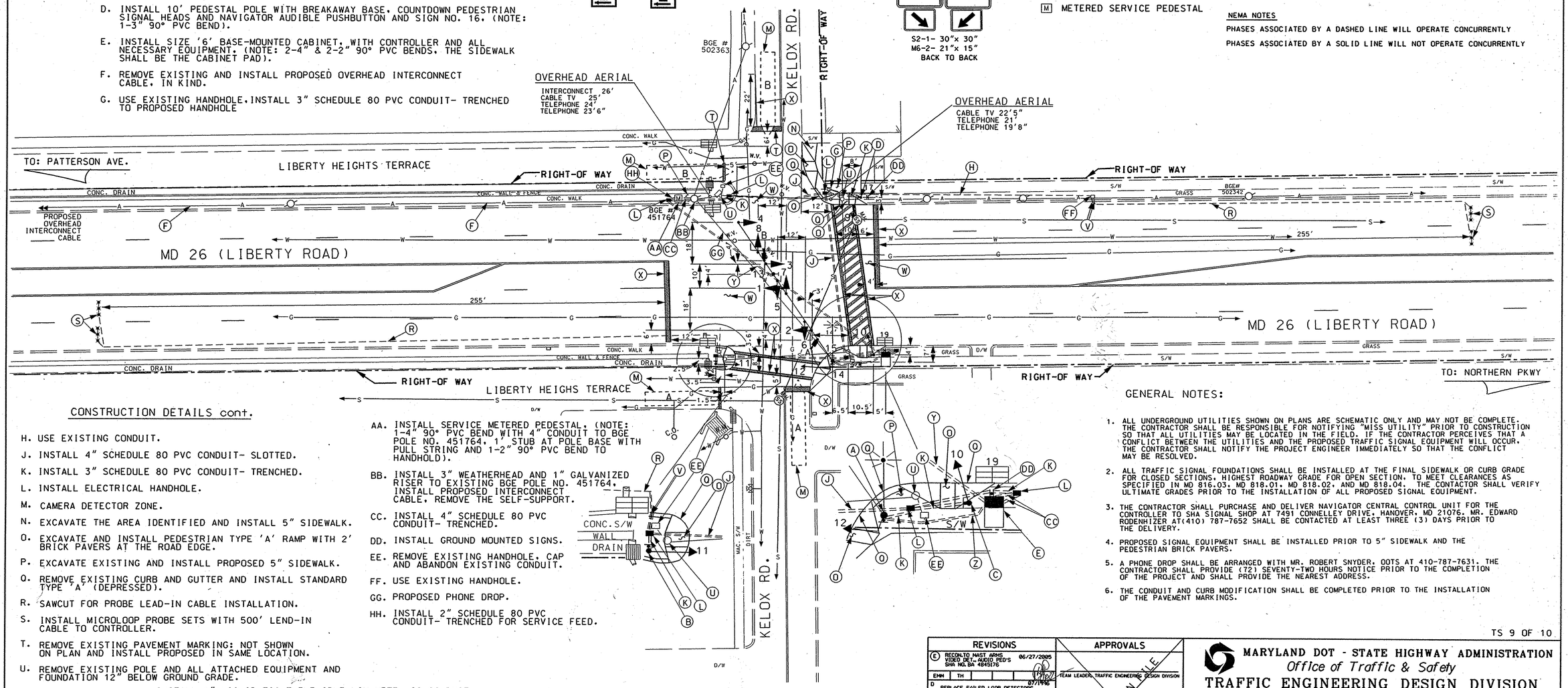
NEMA PHASING



NEMA NOTES

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS cont.

H. USE EXISTING CONDUIT.

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

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

L. INSTALL ELECTRICAL HANDHOLE.

M. CAMERA DETECTOR ZONE.

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

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

P. EXCAVATE EXISTING AND INSTALL PROPOSED 5" SIDEWALK.

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

R. SAWCUT FOR PROBE LEAD-IN CABLE INSTALLATION.

S. INSTALL MICROLOOP PROBE SETS WITH 500' LEND-IN CABLE TO CONTROLLER.

T. REMOVE EXISTING PAVEMENT MARKING: NOT SHOWN ON PLAN AND INSTALL PROPOSED IN SAME LOCATION.

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

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

W. REMOVE EXISTING PAVEMENT MARKINGS, NOT SHOWN.

X. INSTALL PROPOSED PAVEMENT MARKINGS, AS INDICATED.

Y. INSTALL 2" SCHEDULE 80 PVC CONDUIT - SLOTTED FOR SERVICE FEED.

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

AA. INSTALL SERVICE METERED PEDESTAL, (NOTE: 1-4" 90° PVC BEND WITH 4" CONDUIT TO BGE POLE NO. 451764, 1' STUB AT POLE BASE WITH PULL STRING AND 1-2" 90° PVC BEND TO HANDHOLD).

BB. INSTALL 3" WEATHERHEAD AND 1" GALVANIZED RISER TO EXISTING BGE POLE NO. 451764. INSTALL PROPOSED INTERCONNECT CABLE, REMOVE THE SELF-SUPPORT.

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

DD. INSTALL GROUND MOUNTED SIGNS.

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

FF. USE EXISTING HANDHOLE.

GG. PROPOSED PHONE DROP.

HH. INSTALL 2" SCHEDULE 80 PVC CONDUIT- TRENCHED FOR SERVICE FEED.

UTILITY LEGEND

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

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. A PHONE DROP SHALL BE ARRANGED WITH MR. ROBERT SNYDER, OOTS AT 410-787-7631. 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 9 OF 10

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204
410-823-8070

REVISIONS		
E	RECONLTO MAST ARMS VIDEO DET., AUDIO PED'S SHA NO. BA 4845176	06/27/2005
EMM TH		
D	REPLACE FAILED LOOP DETECTORS SHA NO. AW 982052	07/1/96
RLS ECD		
C	INSTALL DETECTION ON MD 26 SHA NO. AW 982051	07/1994
AFW		
B	INSTALL 12" SIGNAL HEADS ON MD 26	07/16/1977
MSF CHM		

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

PLAN "S-189B" IS LOCATED IN THE BALTIMORE COUNTY TRAFFIC OFFICE

DIRECTOR, TRAFFIC & SAFETY

SIGNATURE ON FILE

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

DRAWN BY:	ELF	F.A.P. NO.		TS NO. 2E	SHEET NO. 23 OF 28
CHECKED BY:	HSM/TM	S.H.A. NO.	?		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. 6503	
DATE:	3/12/1969	LOG MILE:	03002610.09		

O:*TRANSDWG*23024.12*FINAL DESIGN*G503 PSMD26KELOX.dgn 7/14/2005