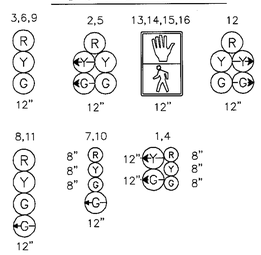
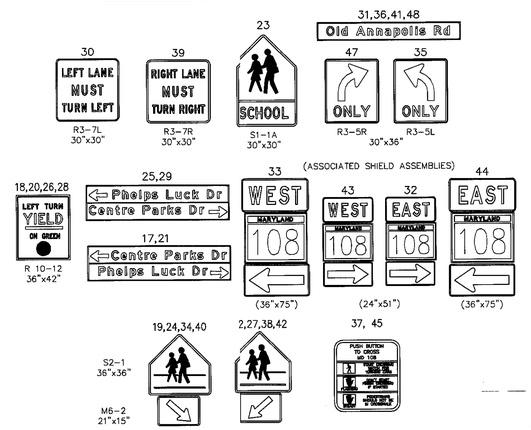
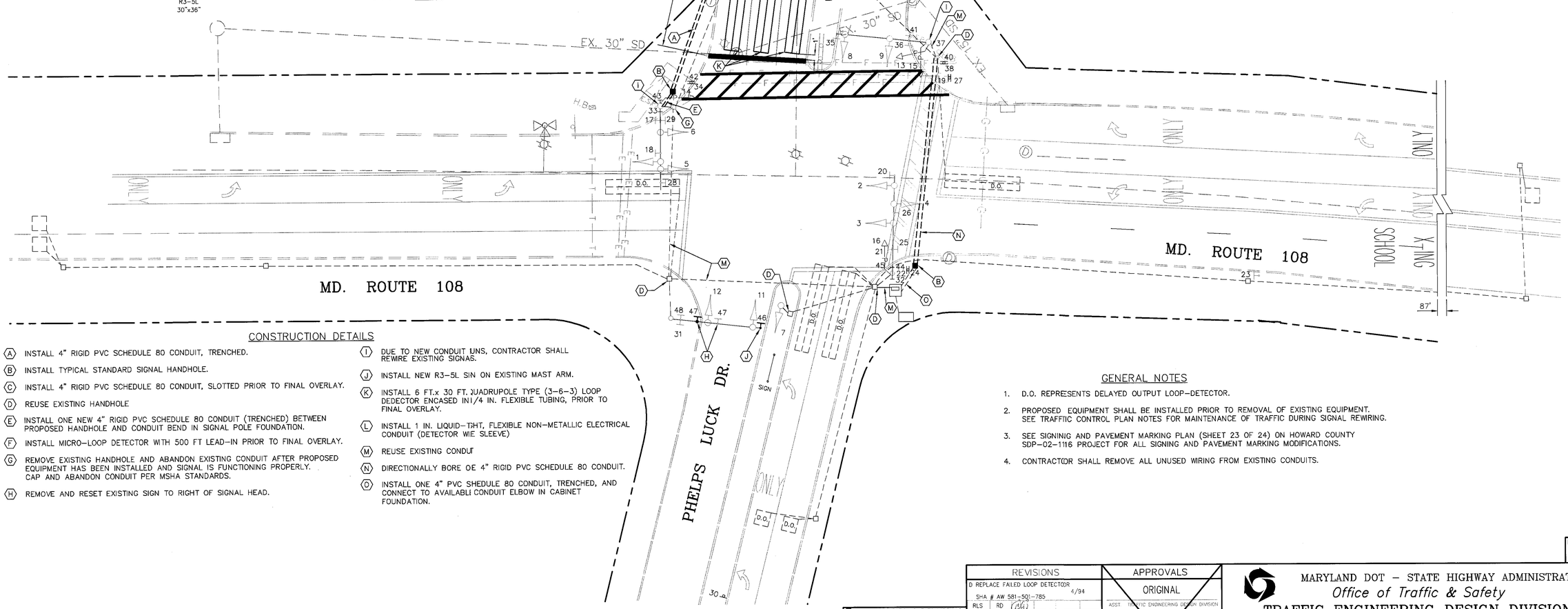
SIGNAL HEADS



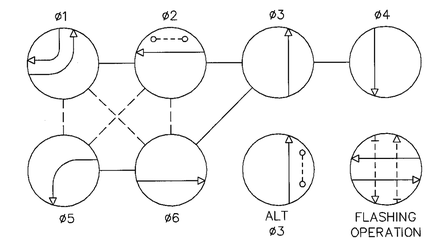
PROPOSED SIGNS

EXISTING SIGNS





NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- (A) INSTALL 4" RIGID PVC SCHEDULE 80 CONDUIT, TRENCHED.
- (B) INSTALL TYPICAL STANDARD SIGNAL HANDHOLE.
- (C) INSTALL 4" RIGID PVC SCHEDULE 80 CONDUIT, SLOTTED PRIOR TO FINAL OVERLAY.
- (D) REUSE EXISTING HANDHOLE
- (E) INSTALL ONE NEW 4" RIGID PVC SCHEDULE 80 CONDUIT (TRENCHED) BETWEEN PROPOSED HANDHOLE AND CONDUIT BEND IN SIGNAL POLE FOUNDATION.
- (F) INSTALL MICRO-LOOP DETECTOR WITH 500 FT LEAD-IN PRIOR TO FINAL OVERLAY.
- (G) REMOVE EXISTING HANDHOLE AND ABANDON EXISTING CONDUIT AFTER PROPOSED EQUIPMENT HAS BEEN INSTALLED AND SIGNAL IS FUNCTIONING PROPERLY. CAP AND ABANDON CONDUIT PER MSHA STANDARDS.
- (H) REMOVE AND RESET EXISTING SIGN TO RIGHT OF SIGNAL HEAD.
- (I) DUE TO NEW CONDUIT UNS, CONTRACTOR SHALL REWIRE EXISTING SIGNAS.
- (J) INSTALL NEW R3-5L SIN ON EXISTING MAST ARM.
- (K) INSTALL 6 FT.x 30 FT. JUADRUPOLE TYPE (3-6-3) LOOP DEDECTOR ENCASED IN1/4 IN. FLEXIBLE TUBING, PRIOR TO FINAL OVERLAY.
- (L) INSTALL 1 IN. LIQUID-TIHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIE SLEEVE)
- (M) REUSE EXISTING CONDUT
- (N) DIRECTIONALLY BORE OE 4" RIGID PVC SCHEDULE 80 CONDUIT.
- (O) INSTALL ONE 4" PVC SHEDULE 80 CONDUIT, TRENCHED, AND CONNECT TO AVAILABLI CONDUIT ELBOW IN CABINET FOUNDATION.

GENERAL NOTES

1. D.O. REPRESENTS DELAYED OUTPUT LOOP-DETECTOR.
2. PROPOSED EQUIPMENT SHALL BE INSTALLED PRIOR TO REMOVAL OF EXISTING EQUIPMENT. SEE TRAFFIC CONTROL PLAN NOTES FOR MAINTENANCE OF TRAFFIC DURING SIGNAL REWIRING.
3. SEE SIGNING AND PAVEMENT MARKING PLAN (SHEET 23 OF 24) ON HOWARD COUNTY SDP-02-1116 PROJECT FOR ALL SIGNING AND PAVEMENT MARKING MODIFICATIONS.
4. CONTRACTOR SHALL REMOVE ALL UNUSED WIRING FROM EXISTING CONDUITS.

DWG. NO. C-17

REVISION G CONSULTANT

WHITNEY BAILEY COX MAGNANI, LLC
CONSULTING ENGINEERS
849 FAIRMOUNT AVENUE
BALTIMORE, MD. 21286
(410) 512-4500

G REPLACE DETECTION DUE TO WIDENING		
TIMS # F 634		1/03
MJA CJS DJD		
F. RIGHT-TURN OVERLAP FOR SOUTHBOUND CENTRE PARK DR.		1/98
MEL		
E. SPLIT SIDE ROAD, OVERLAP RT. TURN FOR ø 3+5 ø 2 ALT. PED. MOVEMENT SHA #		4/97
EMM		

REVISIONS		
D REPLACE FAILED LOOP DETECTOR SHA # AW 581-501-785		4/94
RLS RD		
C INSTALL E/P LEFT-TURN PHASING ON PHELPS LUCK DRIVE		7/92
MFL		
B ASBUILT REMOVE H.I.B. INTERCONNECT WITH HOWARD HIGH SCHOOL, AND INSTALL SH-1A SIGN		7/92
DBD DJD DAZ ETP		TH
A S.H.A. NO. 855-25003 REBUILD EXISTING SIGNAL DUE TO GEOMETRIC MODIFICATTION		8/17/84
E.R.S		

APPROVALS

ORIGINAL

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ON

ASST. DISTRICT ENGINEER, TRAFFIC

FILE

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 108 AND PHELPS LUCK DRIVE/
CENTRE PARK DRIVE

DRAWN BY: G.F.P.	F.A.P. NO.	TS NO. TS-17956	SHEET NO.
CHECKED BY:	S.H.A. NO. 23855T2507706	T.I.M.S. NO. XXX	24 OF 25
SCALE: 1"=20'	COUNTY: HOWARD		
DATE: 12/19/80	LOG MILE: 13010811.79		

P:\2001\01037500\DRAWINGS\07-SITE\SHA-1 Traffic signal.dwg