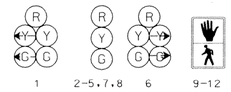
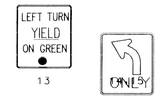
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 450 IS ASSUMED TO RUN
IN AN EAST / WEST DIRECTION

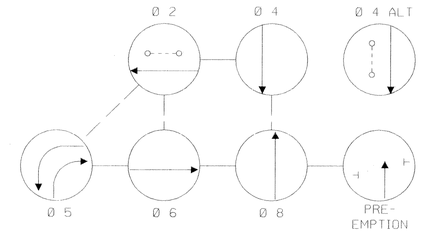
EXISTING 12" SIGNALS

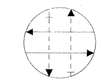


EXISTING SIGNS

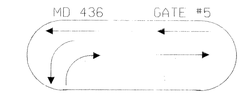


NEMA PHASING





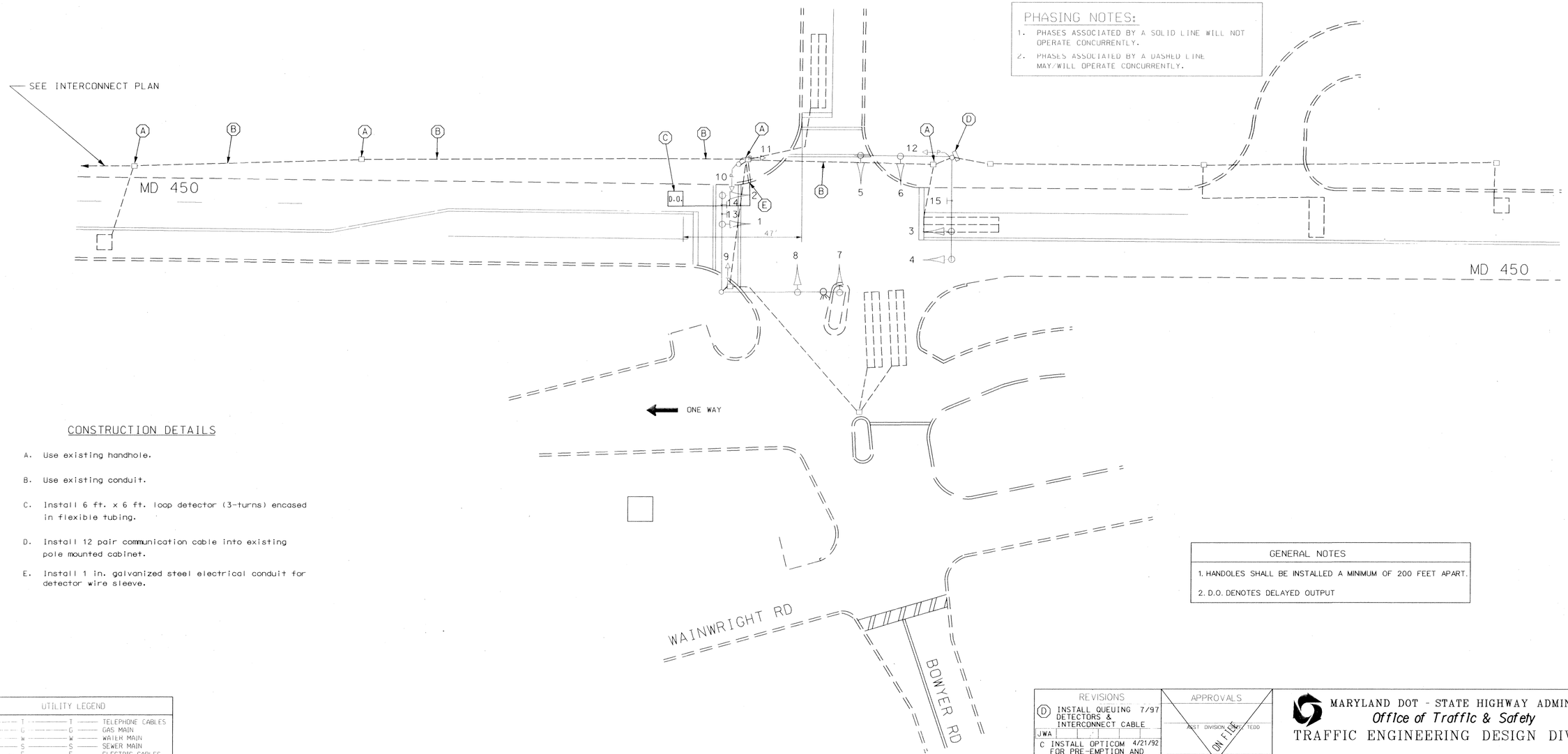
FLASHING
OPERATION



COORDINATE PHASE

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. Use existing handhole.

B. Use existing conduit.

C. Install 6 ft. x 6 ft. loop detector (3-turns) encased in flexible tubing.

D. Install 12 pair communication cable into existing pole mounted cabinet.

E. Install 1 in. galvanized steel electrical conduit for detector wire sleeve.

GENERAL NOTES

1. HANDOLES SHALL BE INSTALLED A MINIMUM OF 200 FEET APART.
2. D.O. DENOTES DELAYED OUTPUT

UTILITY LEGEND

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

GEOMETRIC LEGEND

	EXISTING GEOMETRICS
	PROPOSED GEOMETRICS

DGL
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS

D	INSTALL QUEUING DETECTORS & INTERCONNECT CABLE	7/97
JWA		
C	INSTALL OPTICOM FOR PRE-EMPTION AND DELETE PUSHBUTTON	4/21/92
B	REBUILT PROJECT 3/84 COMBINED W/ MD 436 AW-362-301-377	
A	ASBUILT	JUNE 7, 1983

APPROVALS

ORIGINAL ON FILE

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD 450 AT BOWYER RD

LOGMILE NO: 02045013.53

DATE 4 / 9 / 74

DRAWN BY: J. GORDON	F.A.P. NO.	TRAFFIC SIGNAL NO.	SHEET NO.
CHECK BY:	S.H.A. NO AA 928X-000-585	TS-443D	2 OF 4
SCALE: 1"=20'	COUNTY ANNE ARUNDEL		