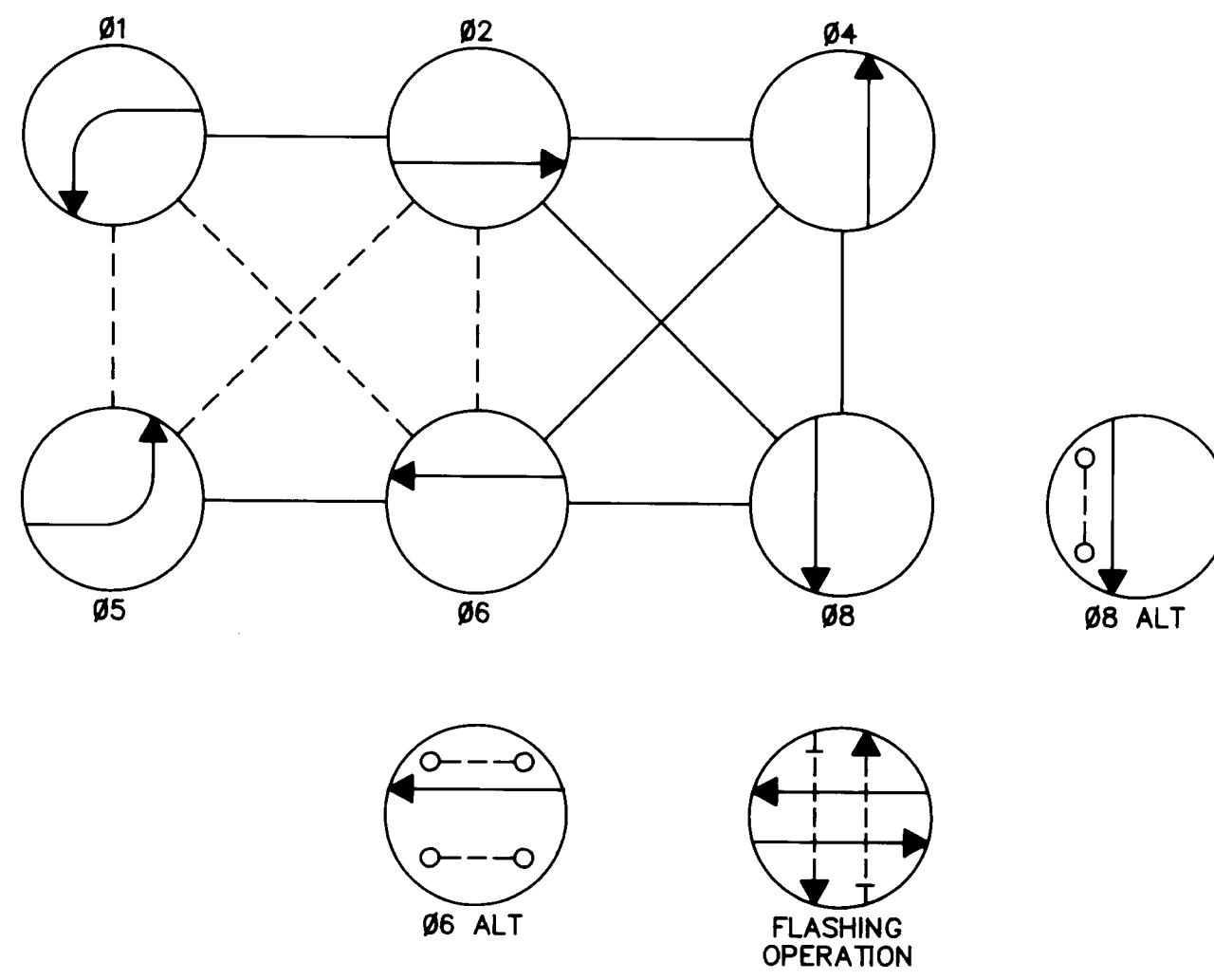
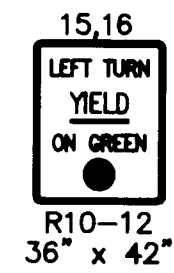


NEMA PHASING

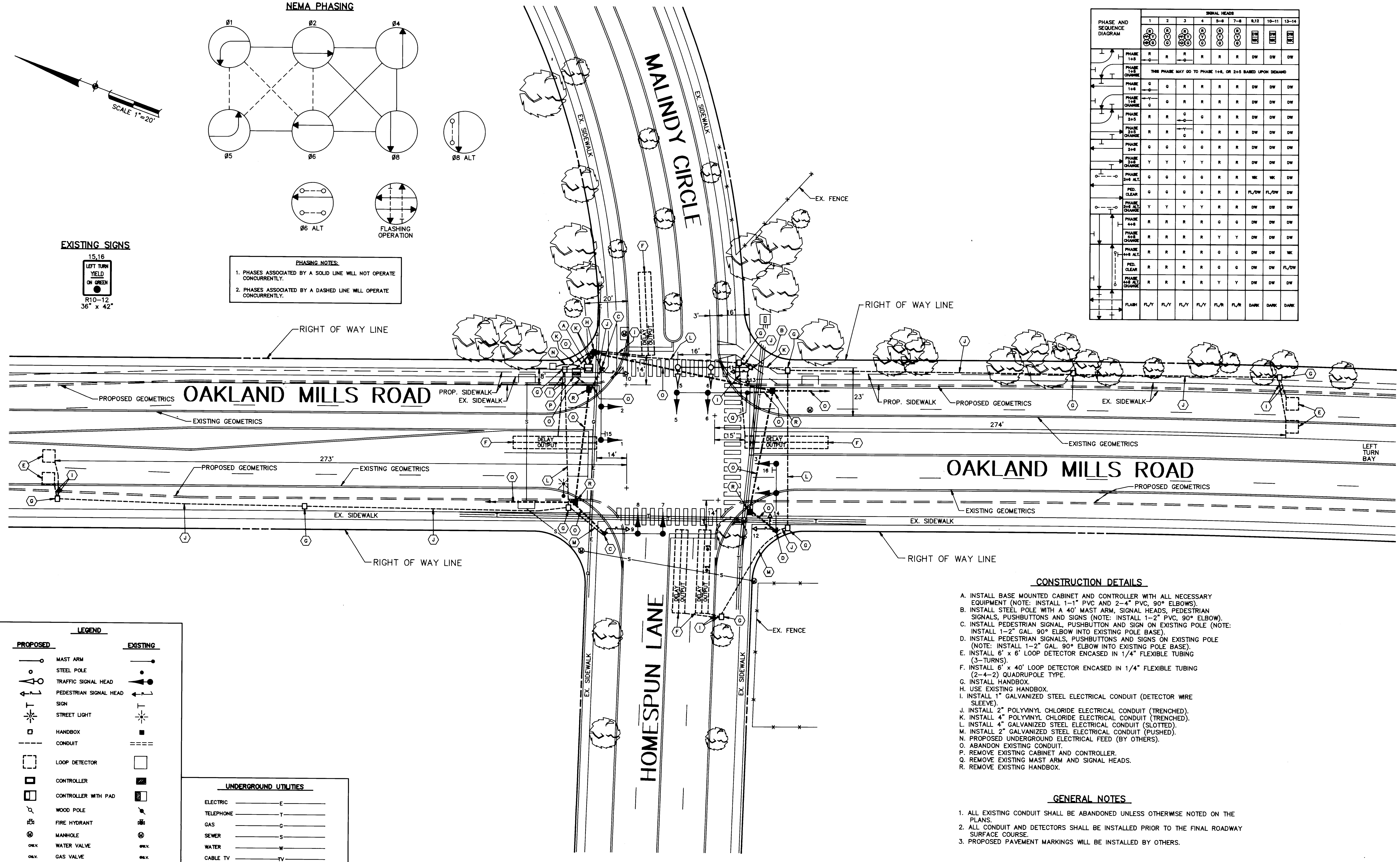


EXISTING SIGNS



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

PHASE AND SEQUENCE DIAGRAM	SIGNAL HEADS										
	1	2	3	4	5-8	7-8	9,12	10-11	13-14		
PHASE 1+2	R	R	R	R	R	R	DW	DW	DW		
PHASE 1+3 CHANGE											
PHASE 1+4	G	R	R	R	R	R	DW	DW	DW		
PHASE 1+5 CHANGE											
PHASE 2+3	R	R	G	R	R	R	DW	DW	DW		
PHASE 2+3 CHANGE											
PHASE 3+4	G	G	G	G	R	R	DW	DW	DW		
PHASE 3+4 CHANGE											
PHASE 3+4 ALT	G	G	G	G	R	R	WK	WK	DW		
PED. CLEAR	G	G	G	G	R	R	FL/DW	FL/DW	DW		
PHASE 4+5 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW		
PHASE 4+6	R	R	R	R	G	G	DW	DW	DW		
PHASE 4+6 CHANGE											
PHASE 4+6 ALT	R	R	R	R	G	G	DW	DW	WK		
PED. CLEAR	R	R	R	R	G	G	DW	DW	FL/DW		
PHASE 4+8 CHANGE	R	R	R	R	Y	Y	DW	DW	DW		
PHASE 4+8 ALT	R	R	R	R	Y	Y	DW	DW	DW		
FLASH	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK		



CONSTRUCTION DETAILS

- INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 1-1" PVC AND 2-4" PVC, 90° ELBOWS).
- INSTALL STEEL POLE WITH A 40' MAST ARM, SIGNAL HEADS, PEDESTRIAN SIGNALS, PUSHBUTTONS AND SIGNS (NOTE: INSTALL 1-2" PVC, 90° ELBOW).
- INSTALL PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN ON EXISTING POLE (NOTE: INSTALL 1-2" GAL. 90° ELBOW INTO EXISTING POLE BASE).
- INSTALL PEDESTRIAN SIGNALS, PUSHBUTTONS AND SIGNS ON EXISTING POLE (NOTE: INSTALL 1-2" GAL. 90° ELBOW INTO EXISTING POLE BASE).
- INSTALL 6' x 6' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-TURNS).
- INSTALL 6' x 40' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (2-4-2) QUADRUPOLE TYPE.
- INSTALL HANDBOX.
- USE EXISTING HANDBOX.
- INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4" GALVANIZED STEEL ELECTRICAL CONDUIT (SLOTTED).
- INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED).
- PROPOSED UNDERGROUND ELECTRICAL FEED (BY OTHERS).
- ABANDON EXISTING CONDUIT.
- REMOVE EXISTING CABINET AND CONTROLLER.
- REMOVE EXISTING MAST ARM AND SIGNAL HEADS.
- REMOVE EXISTING HANDBOX.

GENERAL NOTES

- ALL EXISTING CONDUIT SHALL BE ABANDONED UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CONDUIT AND DETECTORS SHALL BE INSTALLED PRIOR TO THE FINAL ROADWAY SURFACE COURSE.
- PROPOSED PAVEMENT MARKINGS WILL BE INSTALLED BY OTHERS.

LEGEND

PROPOSED	EXISTING

UNDERGROUND UTILITIES

ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

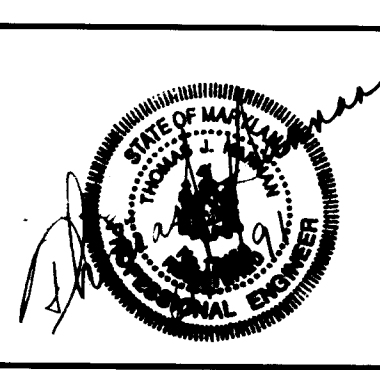
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

James P. ... 11-14-91
 DEPARTMENT OF PUBLIC WORKS DATE

... 6-14-91
 CHIEF, BUREAU OF ENGINEERING DATE

E. ... 12-6-91
 CHIEF, TRAFFIC ENGINEERING DIVISION DATE

A/E GROUP, INC.
 CONSULTING ENGINEERS PLANNERS
 11409 CROWN HILL DRIVE
 OWINGS MILLS, MD. 21117
 301-363-1908



DES: TMZ			
DRN: JNV (CADD)			
CHK: TJH			
DATE: 6-7-91	BY: ND.	REVISION	DATE: 600' SCALE MAP NO. DATE:

J-4095

CAPITAL PROJECT J-4095
 TRAFFIC SIGNAL PLAN
OAKLAND MILLS ROAD • HOMESPUN LANE

SCALE AS SHOWN
 SHEET 1 OF 1