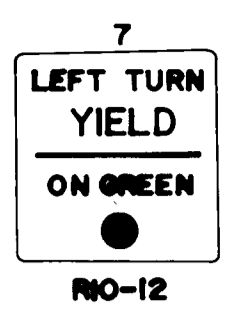
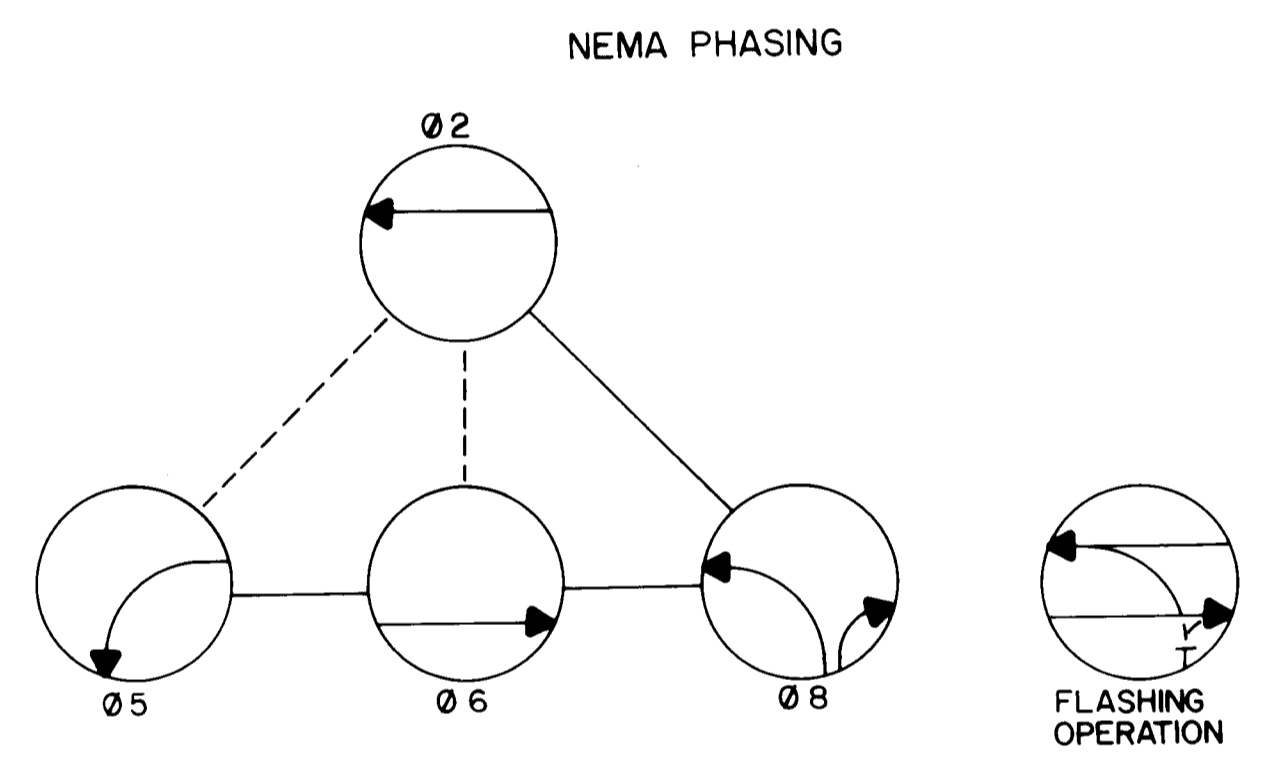
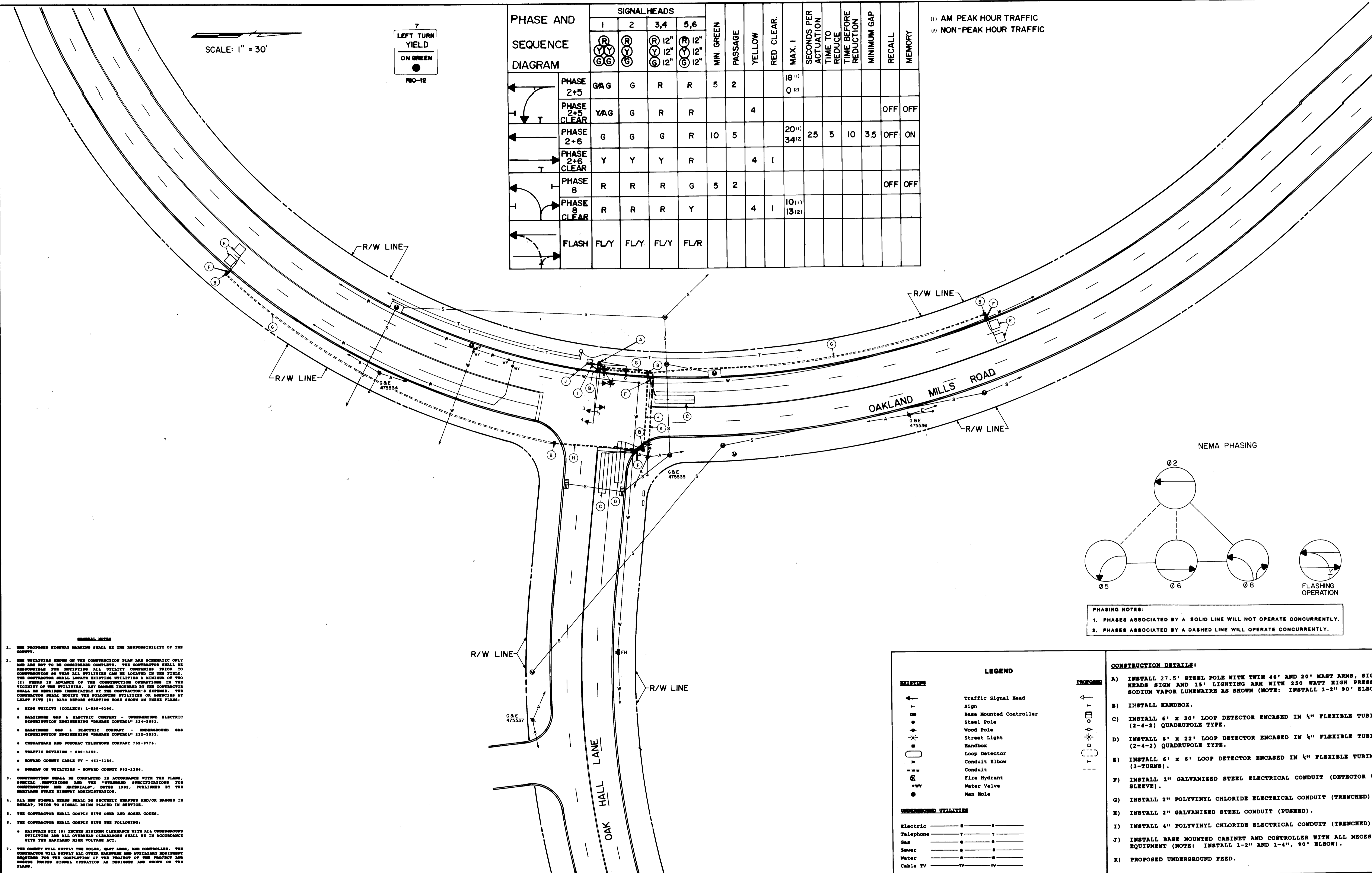


SCALE: 1" = 30'



PHASE AND SEQUENCE DIAGRAM	SIGNAL HEADS				MIN. GREEN	PASSAGE	YELLOW	RED CLEAR.	MAX. I	SECONDS PER ACTUATION	TIME TO REDUCE	TIME BEFORE REDUCTION	MINIMUM GAP	RECALL	MEMORY
	1	2	3,4	5,6											
PHASE 2+5	GAG	G	R	R	5	2		18 ⁽¹⁾							
PHASE 2+5 CLEAR	YAG	G	R	R			4							OFF	OFF
PHASE 2+6	G	G	G	R	10	5		20 ⁽¹⁾	2.5	5	10	3.5	OFF	ON	
PHASE 2+6 CLEAR	Y	Y	Y	R			4	1							
PHASE 8	R	R	R	G	5	2							OFF	OFF	
PHASE 8 CLEAR	R	R	R	Y			4	1	10 ⁽¹⁾						
FLASH	FL/Y	FL/Y	FL/Y	FL/R											

(1) AM PEAK HOUR TRAFFIC
(2) NON-PEAK HOUR TRAFFIC



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

- GENERAL NOTES**
- THE PROPOSED HIGHWAY MARKING SHALL BE THE RESPONSIBILITY OF THE COUNTY.
 - THE UTILITIES SHOWN ON THE CONSTRUCTION PLAN ARE SCHEMATIC ONLY AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES CAN BE LOCATED IN THE FIELD. THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF THE CONSTRUCTION OPERATIONS IN THE VICINITY OF THE UTILITIES. ANY DAMAGES INCURRED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - MESA UTILITY (COLLECT) 1-889-8188.
 - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION ENGINEERING "DAMAGE CONTROL" 231-2491.
 - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION ENGINEERING "DAMAGE CONTROL" 231-2521.
 - CESAREPARK AND POTOMAC TELEPHONE COMPANY 752-9974.
 - TRAFFIC DIVISION - 889-1450.
 - HOWARD COUNTY CABLE TV - 481-1194.
 - DIVISION OF UTILITIES - HOWARD COUNTY 992-2364.
 - CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", DATED 1982, PUBLISHED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.
 - ALL NEW SIGNAL HEADS SHALL BE SECURELY WRAPPED AND/OR BAGGED IN WRAP, PRIOR TO SIGNAL BEING PLACED IN SERVICE.
 - THE CONTRACTOR SHALL COMPLY WITH OSHA AND MESA CODES.
 - THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING:
 - MAINTAIN SIX (6) INCHES MINIMUM CLEARANCE WITH ALL UNDERGROUND UTILITIES AND ALL OVERHEAD CLEARANCES SHALL BE IN ACCORDANCE WITH THE MARYLAND HIGH VOLTAGE ACT.
 - THE CONTRACTOR WILL SUPPLY THE POLES, MAST ARMS, AND CONTROLLERS. THE CONTRACTOR WILL SUPPLY ALL OTHER HARDWARE AND NECESSARY EQUIPMENT FOR THE COMPLETION OF THE PROJECT OF THE PROJECT AND MAINTAIN PROPER SIGNAL OPERATION AS DESIGNED AND SHOWN ON THE PLANS.

LEGEND

	Traffic Signal Head
	Sign
	Base Mounted Controller
	Steel Pole
	Wood Pole
	Street Light
	Handbox
	Loop Detector
	Conduit Elbow
	Conduit
	Fire Hydrant
	Water Valve
	Man Hole

UNDERGROUND UTILITIES

Electric	—	—	—
Telephone	—	—	—
Gas	—	—	—
Sewer	—	—	—
Water	—	—	—
Cable TV	—	—	—

- CONSTRUCTION DETAILS:**
- INSTALL 27.5' STEEL POLE WITH TWIN 46' AND 20' MAST ARMS, SIGNAL HEADS SIGN AND 15' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AS SHOWN (NOTE: INSTALL 1-2" 90° ELBOW).
 - INSTALL HANDBOX.
 - INSTALL 6' X 30' LOOP DETECTOR ENCASED IN 1/2" FLEXIBLE TUBING (2-4-2) QUADRUPOLE TYPE.
 - INSTALL 6' X 22' LOOP DETECTOR ENCASED IN 1/2" FLEXIBLE TUBING (2-4-2) QUADRUPOLE TYPE.
 - INSTALL 6' X 6' LOOP DETECTOR ENCASED IN 1/2" FLEXIBLE TUBING (3-TURNS).
 - INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
 - INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL 4" GALVANIZED STEEL CONDUIT (PUSHED).
 - INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
 - INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 1-2" AND 1-4", 90° ELBOW).
 - PROPOSED UNDERGROUND FEED.

746
 DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
Francis W. Weiland 8/15/89
 DIRECTOR OF PUBLIC WORKS DATE CHIEF, BUREAU OF ENGINEERING DATE
Edward R. ... 8/15/89
 CHIEF, TRAFFIC ENGINEERING DIVISION DATE

A/E GROUP, INC.
 9615 REISTERSTOWN ROAD
 P.O. BOX 117
 GARRISON, MARYLAND 21055
 (301) 363-1908



DES: TMZ	RES	AS BUILTS	4/89
DRN: TMZ			
CHK: EGS			
DATE: 11/30/89	BY	NO.	REVISION

TRAFFIC SIGNAL PLAN
 OAKLAND MILLS ROAD &
 OAK HALL LANE

T-7048
 SCALE AS SHOWN
 SHEET 2 OF 2
 AS-BUILT 3-7-91 OAKL OAKH