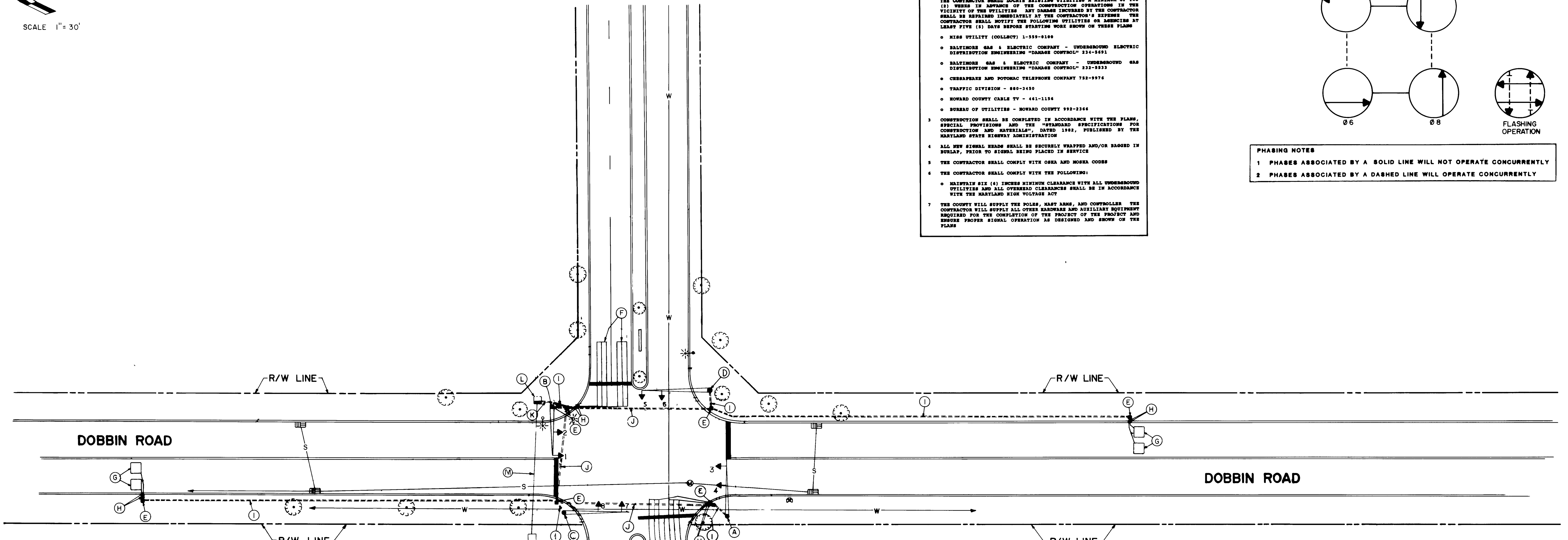


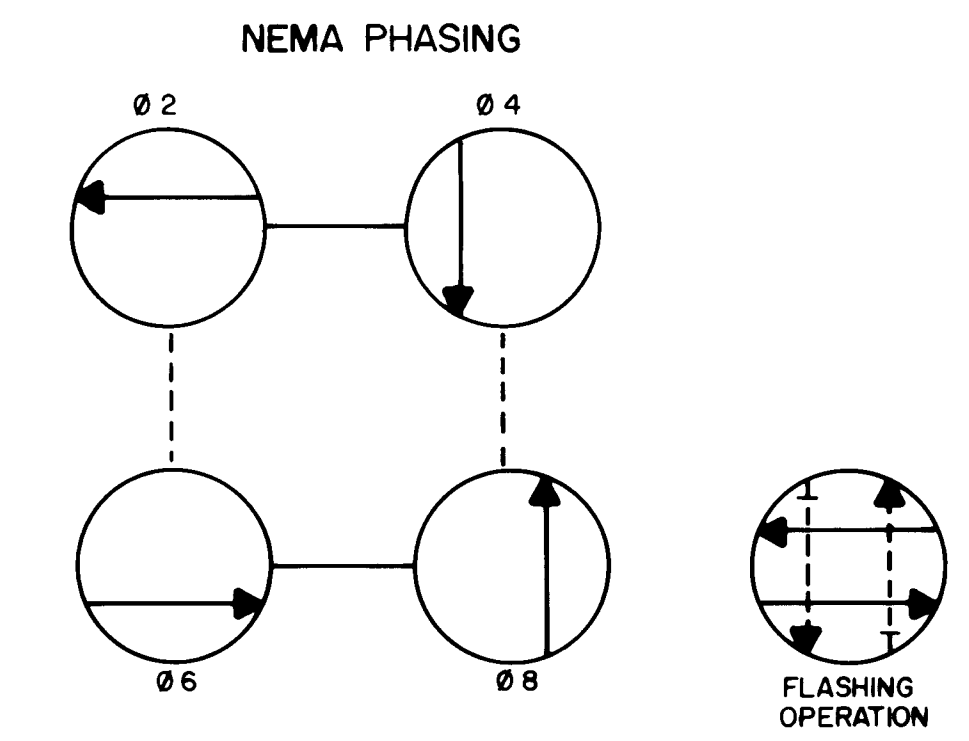
**DOBBIN CENTER
REAR ENTRANCE**

SCALE 1" = 30'



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) FEET 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:
 - MISS UTILITY (COLLECT) 1-558-8148
 - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION ENGINEERING "DAMAGE CONTROL" 231-1891
 - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION ENGINEERING "DAMAGE CONTROL" 231-5833
 - CHESAPEAKE AND POTOMAC TELEPHONE COMPANY 782-9976
 - TRAFFIC DIVISION - 880-3450
 - HOWARD COUNTY CABLE TV - 461-1154
 - BUREAU OF UTILITIES - HOWARD COUNTY 932-2364
- CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS", DATED 1992, PUBLISHED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.
- ALL NEW SIGNAL HEADS SHALL BE SECURELY WRAPPED AND/OR BAGGED IN BURLAP, PRIOR TO SIGNAL BEING PLACED IN SERVICE.
- THE CONTRACTOR SHALL COMPLY WITH OSHA AND MDEA 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 COUNTY WILL SUPPLY THE POLES, MAST ARMS, AND CONTROLLER. THE CONTRACTOR WILL SUPPLY ALL OTHER HARDWARE AND AUXILIARY EQUIPMENT REQUIRED FOR THE COMPLETION OF THE PROJECT OF THE PROJECT AND ENSURE PROPER SIGNAL OPERATION AS DESIGNED AND SHOWN ON THE PLANS.



PHASING NOTES

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

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
	1-4	5-8											
PHASE 2+6	G	R	8	5			50	25	5	10	35	OFF	ON
PHASE CLEAR 2+6	Y	R			4	1							
PHASE 4+8	R	G	5	1			35					OFF	OFF
PHASE CLEAR 4+8	R	Y			4	1							
FLASH	FL/Y	FL/R											

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	E	—	E
Telephone	T	—	T
Gas	G	—	G
Sewer	S	—	S
Water	W	—	W
Cable TV	TV	—	TV

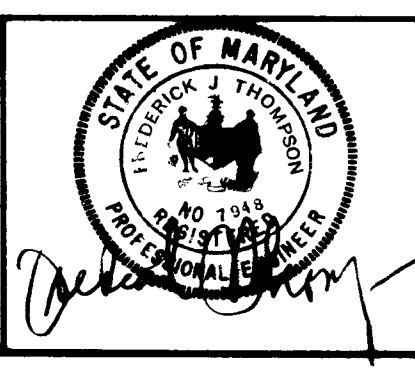
- CONSTRUCTION DETAILS**
- Install 27.5' steel pole with a 36' mast arm, signal heads and 15' lighting arm with 250 watt high pressure sodium vapor luminaire as shown (NOTE: Install 1-2", 90° elbow)
 - Install 27.5' steel pole with a 36' mast arm, signal heads and 15' lighting arm with 250 watt high pressure sodium vapor luminaire as shown (NOTE: Install 1-2", 90° elbow)
 - Install 21' steel pole with a 40' mast arm and signal heads as shown (NOTE: Install 1-2", 90° elbow)
 - Install 21' steel pole with a 42' mast arm and signal heads as shown (NOTE: Install 1-2", 90° elbow)
 - Install handbox
 - Install 6' x 40' loop detector encased in 1/4" flexible tubing (2-4-2) quadrupole type
 - Install 6' x 6' loop detector encased in 1/4" flexible tubing (3-turns)
 - Install 1" galvanized steel electrical conduit (detector wire sleeve)
 - Install 2" polyvinyl chloride electrical conduit (trenched)
 - Install 2" 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.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Lewis 4/10/90
DIRECTOR OF PUBLIC WORKS DATE

Richard R. R. R. R. 4/6/90
CHIEF, BUREAU OF ENGINEERING DATE

A/E GROUP, INC
9515 REISTERSTOWN ROAD
PO BOX 117
GARRISON, MARYLAND 21055
(301) 363-1908



DES TMZ	RTS	AS-BUILT	5-6-91
DRN TMZ			
CHK: EGS			
DATE: 1/30/89	BY: NO	REVISION	DATE

TRAFFIC SIGNAL PLAN
DOBBIN ROAD & DOBBIN CENTER
(REAR ENTRANCE)

T-7055

SCALE AS SHOWN

SHEET 2 OF 2