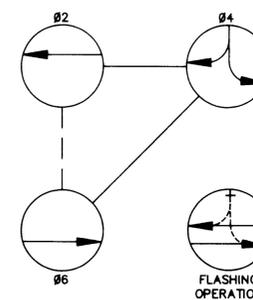


CONSTRUCTION DETAILS

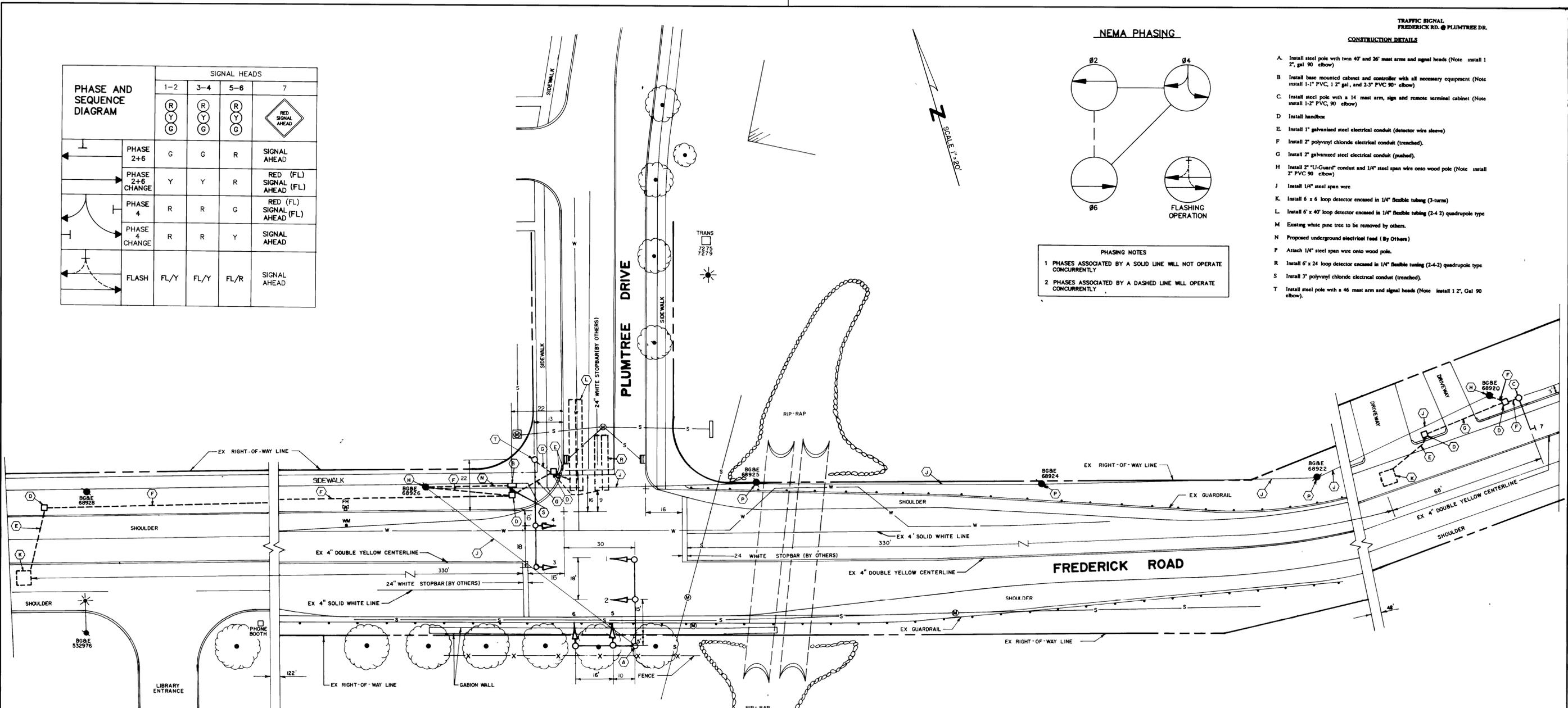
- A. Install steel pole with twin 40' and 26' mast arms and signal heads (Note install 1 2" gal 90 elbow)
- B. Install base mounted cabinet and controller with all necessary equipment (Note install 1-1" PVC, 1 2" gal, and 2-3" PVC 90 elbow)
- C. Install steel pole with a 14 mast arm, sign and remote terminal cabinet (Note install 1-2" PVC, 90 elbow)
- D. Install handbox
- E. Install 1" galvanized steel electrical conduit (detector wire sleeve)
- F. Install 2" polyvinyl chloride electrical conduit (trenched).
- G. Install 2" galvanized steel electrical conduit (pushed).
- H. Install 2" "U-Guard" conduit and 1/4" steel span wire onto wood pole (Note install 2" PVC 90 elbow)
- J. Install 1/4" steel span wire
- K. Install 6 x 6 loop detector encased in 1/4" flexible tubing (3-turns)
- L. Install 6' x 40' loop detector encased in 1/4" flexible tubing (2-4-2) quadropole type
- M. Existing white pine tree to be removed by others.
- N. Proposed underground electrical feed (By Others)
- P. Attach 1/4" steel span wire onto wood pole.
- R. Install 6' x 24 loop detector encased in 1/4" flexible tubing (2-4-2) quadropole type
- S. Install 3" polyvinyl chloride electrical conduit (trenched).
- T. Install steel pole with a 46 mast arm and signal heads (Note install 1 2", Gal 90 elbow).

NEMA PHASING



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	5-6	7
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	RED SIGNAL AHEAD
	G	G	R	SIGNAL AHEAD
	Y	Y	R	RED (FL) SIGNAL AHEAD (FL)
	R	R	G	RED (FL) SIGNAL AHEAD (FL)
	R	R	Y	SIGNAL AHEAD
	FL/Y	FL/Y	FL/R	SIGNAL AHEAD



**LEGEND**

PROPOSED	EXISTING

**UNDERGROUND UTILITIES**

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

WATER CONTRACT NO'S. — 11-W, 460  
 SEWER CONTRACT NO. — 460

- NOTES
- FOUNDATION FOR POLE "A" WILL BE 3'x17' WITH 7" ABOVE GRADE. THIS FOUNDATION WILL BE CONSTRUCTED USING A CONTINUOUS FORM (SONO-TUBE OR EQUAL) WITH TWO REINFORCING CAGES WITH 2 1/2' OVERLAP.
  - CONTRACTOR SHALL ACCESS POLE "A" THRU LIBRARY ENTRANCE. ANY COSTS ASSOCIATED WITH FENCE REMOVAL/REPLACEMENT REQUIRED FOR CONSTRUCTION OF THIS POLE SHALL BE CONSIDERED INCIDENTAL TO ITS INSTALLATION COST.

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 DATE: 8/2/91  
 DATE: 9/2/91

A/E GROUP, INC.  
 CONSULTING ENGINEERS PLANNERS  
 11400 CROWHILL DRIVE  
 OWINGS MILLS, MD 21117  
 301-383-1908



DES: T ZAYDEL	
DRN: D WOODY	
CHK: G STANTON	
DATE:	BY: NO: REVISION: DATE:

T-7066-FF

TRAFFIC SIGNAL PLAN  
 FREDERICK ROAD & PLUMTREE DRIVE  
 SCALE AS SHOWN  
 SHEET OF