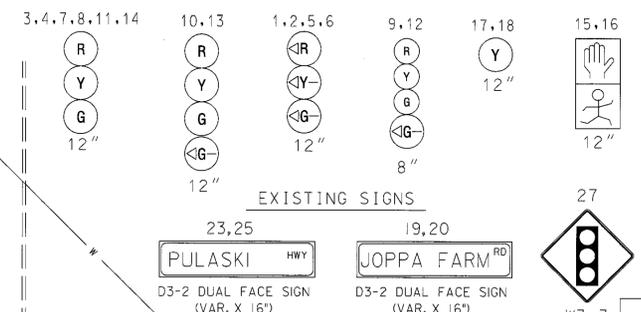


US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

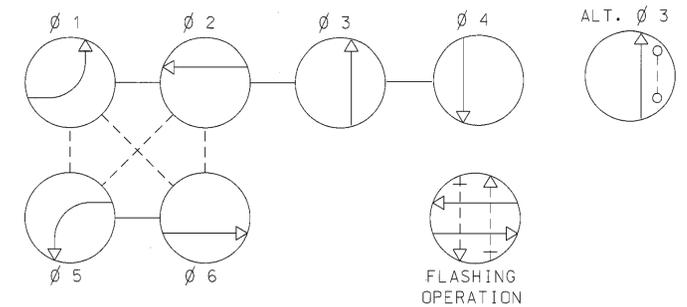
### CONSTRUCTION DETAILS

- A. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM
- B. INSTALL PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND R10-4(1) SIGN ON EXISTING MAST ARM POLE
- C. INSTALL VIDEO DETECTION CAMERA ON EXISTING STREET LIGHTING ARM
- D. INSTALL 10 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND R10-4(1) SIGN (NOTE: INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
- E. NOT USED
- F. INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
- G. INSTALL 1 IN. LIQUID TIGHT, NON-METALLIC, FLEXIBLE CONDUIT DETECTOR WIRE SLEEVE
- H. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING
- J. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- K. PROPOSED VIDEO DETECTION FIELD
- L. ADJUST EXISTING HANDHOLE TO FINAL GRADE
- M. USE EXISTING CONDUIT
- N. USE EXISTING HANDHOLE
- O. USE EXISTING BASE MOUNTED CONTROLLER AND CABINET
- P. REMOVE EXISTING HANDHOLE
- Q. CAP AND ABANDON EXISTING CONDUIT
- R. ABANDON EXISTING HANDHOLE
- S. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING

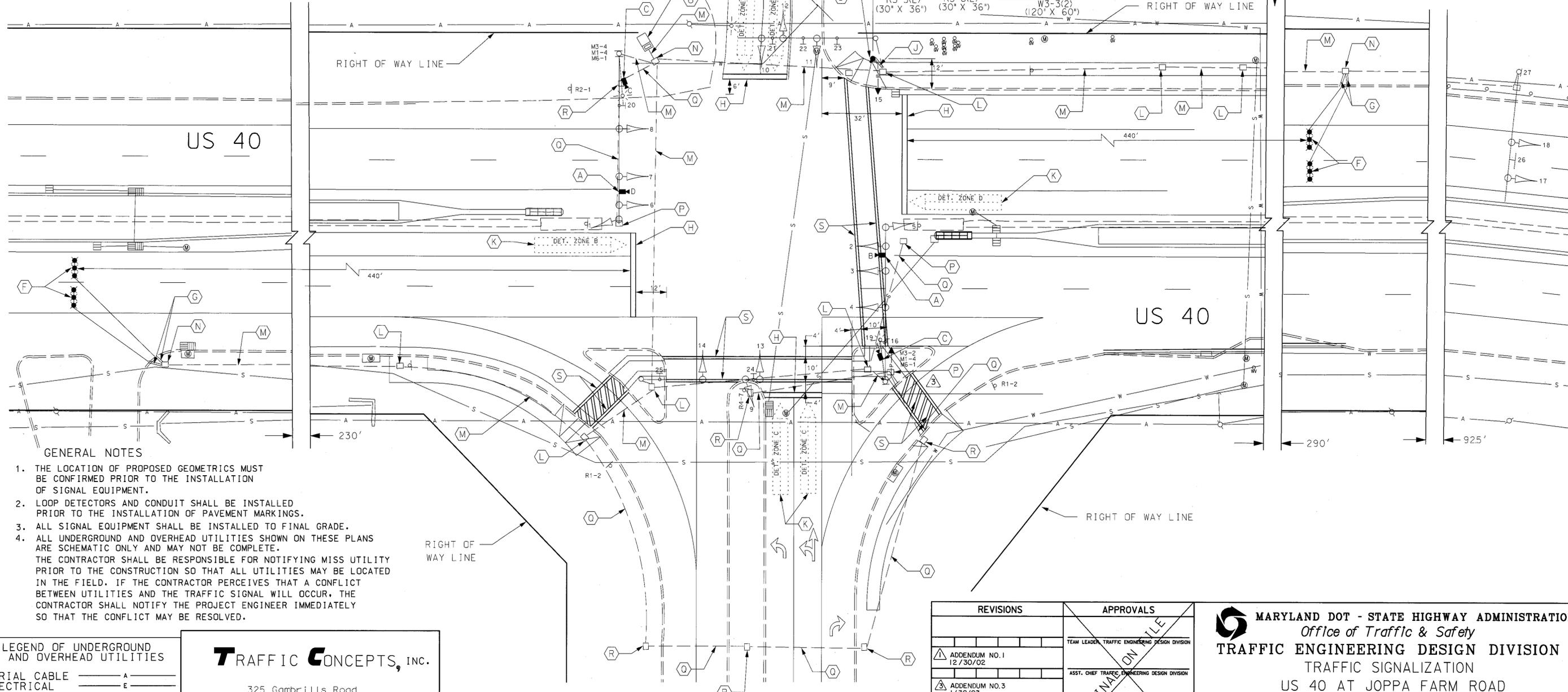
### EXISTING SIGNALS



### NEMA PHASING



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



### GENERAL NOTES

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

**TRAFFIC CONCEPTS, INC.**

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101

REVISIONS	APPROVALS
ADDENDUM NO. 1 12/30/02	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ADDENDUM NO. 3 1/30/03	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
6-22-02 REPLACE DETECTION DUE TO WIDENING SHA# NO. HA2205177	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
TRAFFIC SIGNALIZATION  
US 40 AT JOPPA FARM ROAD

DRAWN BY: T ZAYDEL	F.A.P. NO. HA1885DBSD	TS NO. 100G
CHECKED BY: K SCHMID	S.H.A. NO. HARBORD	SHEET NO. 37 OF 50
SCALE: 1" = 20'	COUNTY: HARBORD	T.I.M.S. NO. E617
DATE: 10-28-97	LOG MILE: 1204000.17	