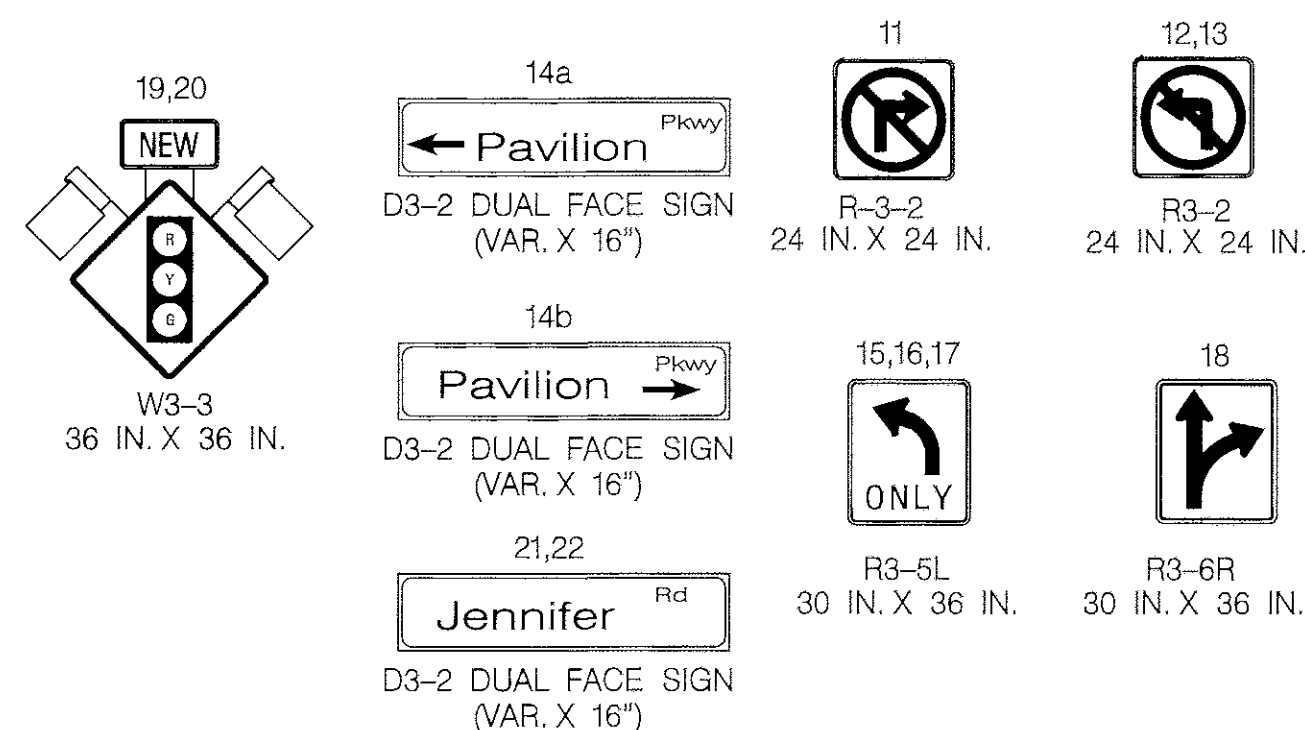
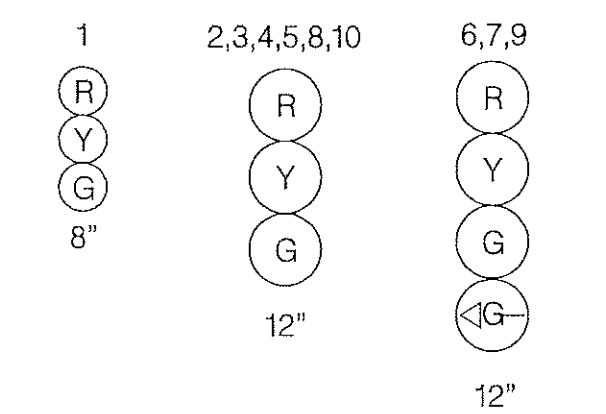


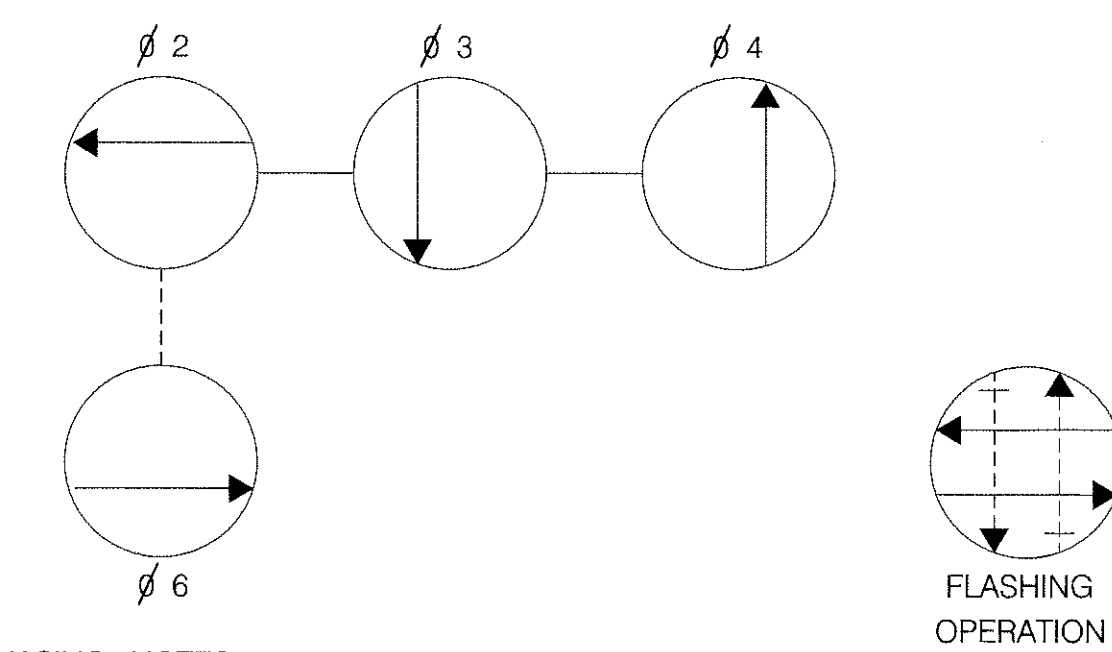
**PROPOSED SIGNS**



**PROPOSED SIGNALS**

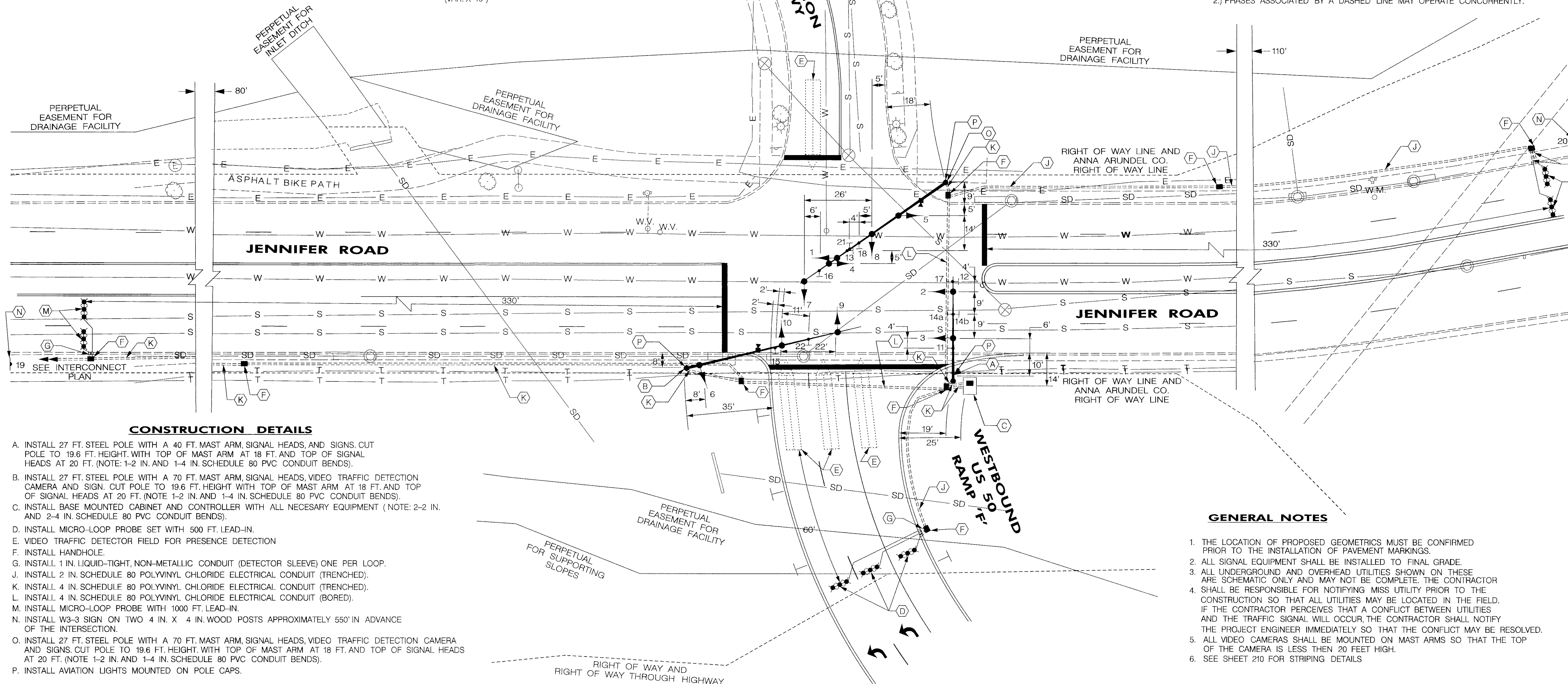


**NEMA PHASING**



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

JENNIFER ROAD IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



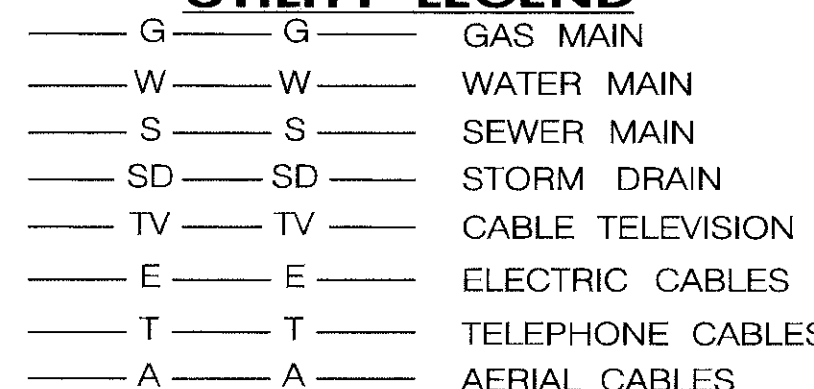
**CONSTRUCTION DETAILS**

- A. INSTALL 27 FT. STEEL POLE WITH A 40 FT. MAST ARM, SIGNAL HEADS, AND SIGNS. CUT POLE TO 19.6 FT. HEIGHT. WITH TOP OF MAST ARM AT 18 FT. AND TOP OF SIGNAL HEADS AT 20 FT. (NOTE: 1-2 IN. AND 1-4 IN. SCHEDULE 80 PVC CONDUIT BENDS).
- B. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, VIDEO TRAFFIC DETECTION CAMERA AND SIGN. CUT POLE TO 19.6 FT. HEIGHT WITH TOP OF MAST ARM AT 18 FT. AND TOP OF SIGNAL HEADS AT 20 FT. (NOTE: 1-2 IN. AND 1-4 IN. SCHEDULE 80 PVC CONDUIT BENDS).
- C. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. SCHEDULE 80 PVC CONDUIT BENDS).
- D. INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN.
- E. VIDEO TRAFFIC DETECTOR FIELD FOR PRESENCE DETECTION
- F. INSTALL HANDHOLE.
- G. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT (DETECTOR SLEEVE) ONE PER LOOP.
- J. INSTALL 2 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- K. INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- L. INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
- M. INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN.
- N. INSTALL W3-3 SIGN ON TWO 4 IN. X 4 IN. WOOD POSTS APPROXIMATELY 550' IN ADVANCE OF THE INTERSECTION.
- O. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, VIDEO TRAFFIC DETECTION CAMERA AND SIGNS. CUT POLE TO 19.6 FT. HEIGHT. WITH TOP OF MAST ARM AT 18 FT. AND TOP OF SIGNAL HEADS AT 20 FT. (NOTE: 1-2 IN. AND 1-4 IN. SCHEDULE 80 PVC CONDUIT BENDS).
- P. INSTALL AVIATION LIGHTS MOUNTED ON POLE CAPS.

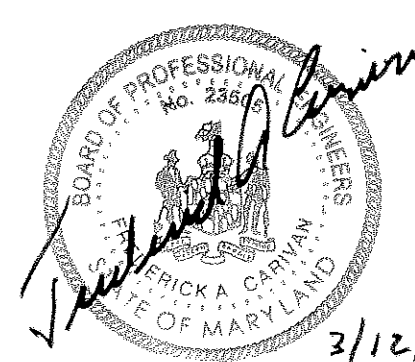
**GENERAL NOTES**

- 1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- 2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
- 3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE 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.
- 5. ALL VIDEO CAMERAS SHALL BE MOUNTED ON MAST ARMS SO THAT THE TOP OF THE CAMERA IS LESS THEN 20 FEET HIGH.
- 6. SEE SHEET 210 FOR STRIPING DETAILS.

**UTILITY LEGEND**



**GEOMETRICS**



RIGHT OF WAY AND RIGHT OF WAY THROUGH HIGHWAY

**A/E GROUP, INC.**  
 ENGINEERS • PLANNERS  
 181 E. Main Street  
 Westminster, Maryland 21158  
 A/E Job No. 99-386

REVISIONS	APPROVALS
	<i>Michael R. ...</i> TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>Edward ...</i> ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	<i>Edward ...</i> DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
 TRAFFIC ENGINEERING DESIGN DIVISION  
**JENNIFER ROAD AND WESTBOUND US 50 RAMP 'F' TRAFFIC SIGNALIZATION PLAN**

DRAWN BY: S.F.N.	F.A.P. NO. SEE TITLE SHEET	TS NO. TS-4073	SHEET NO.
CHECKED BY: F.A.C.	S.H.A. NO. A46015170	T.I.M.S. NO.	213 OF 266
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL	E-158X	
DATE: MARCH, 2002	LOG MILE:		