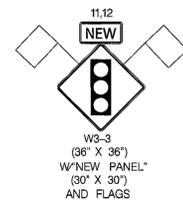
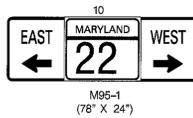
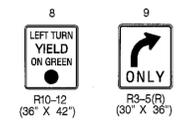
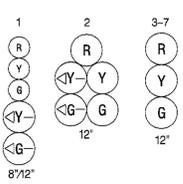


**PROPOSED HARFORD  
COMMUNITY COLLEGE ACCESS**

PROPOSED SIGNALS

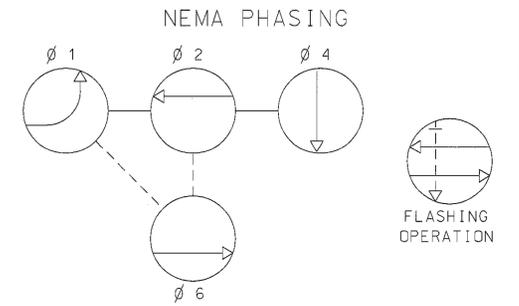


PROPOSED SIGNALS



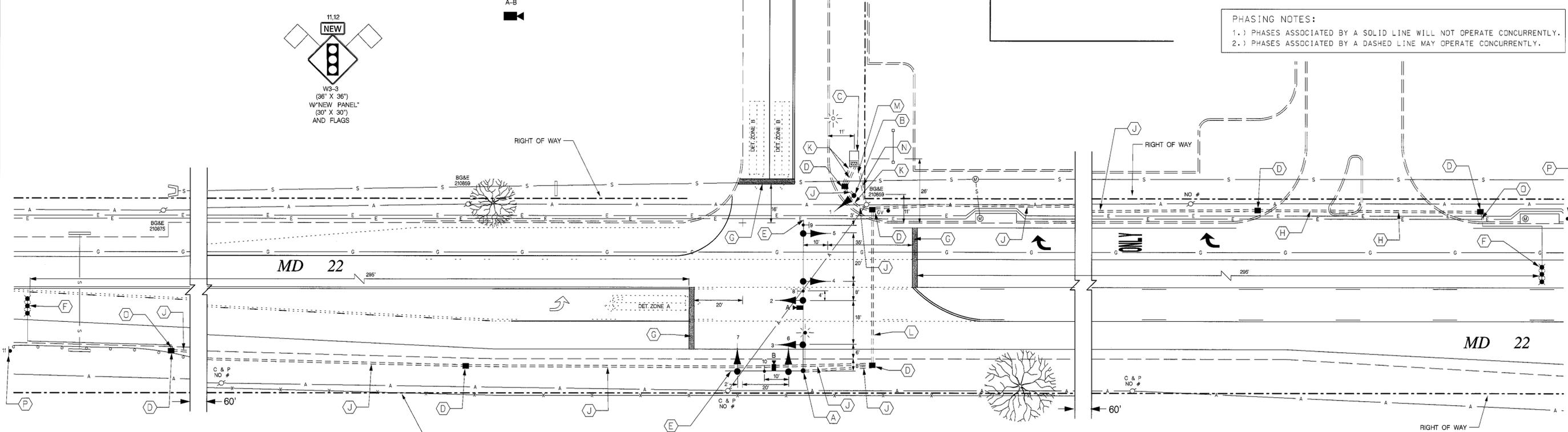
PROPOSED VIDEO DETECTION CAMERA

A-B



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

MD 22 IS ASSUMED TO RUN  
IN AN EAST-WEST DIRECTION



CONSTRUCTION DETAILS

- A. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, VIDEO DETECTION CAMERAS, SIGNAL HEADS, AND SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- B. INSTALL 14 FT. PEDESTAL POLE AND SIGNAL HEAD (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- C. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH CONTROL AND DISTRIBUTION EQUIPMENT AND ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- D. INSTALL ELECTRICAL HANDHOLE
- E. CUT MAST ARM TO 30 FT. IN LENGTH (CONFIRM SIGNAL HEAD LOCATION PRIOR CUTTING)
- F. INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
- G. INSTALL 24 IN. HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- H. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
- J. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- K. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- L. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
- M. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED- PHONE DROP
- N. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED- ELECTRICAL SERVICE
- D. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
- P. INSTALL W3-3 AND "NEW" PANEL SIGNS WITH FLAGS ON TWO 4 IN. X 4 IN. WOOD SUPPORTS 500 FT. PRIOR TO INTERSECTION

GENERAL NOTES

- 1. PLEASE SEE PAVEMENT MARKING PLAN FOR PAVEMENT MARKINGS NOT DETAILED ON THIS PLAN.
- 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.
- 5. CONTACT SUSAN HEPBURN OF VERISON AT (410) 393-6379 FOR TELEPHONE LINE RELOCATION.

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.**  
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FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

REVISIONS	APPROVALS
	<i>Devin M. ...</i> 6-11-04 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> 6-11-04 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> 6-11-04 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>...</i> 6-11-04 DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
SIGNALIZATION PLAN  
MD 22 AT HARFORD COUNTY COMMUNITY COLLEGE ACCESS

DRAWN BY: M.HOWELL	F.A.P. NO. 4324	TS NO. 4324	SHEET NO. 1 OF 3
CHECKED BY: T.ZAYDEL	S.H.A. NO. HARFORD	T.I.M.S. NO. G-217	
SCALE: 1" = 20'	COUNTY: HARFORD	LOG MILE: I2002204.01	
DATE: 2-19-04			