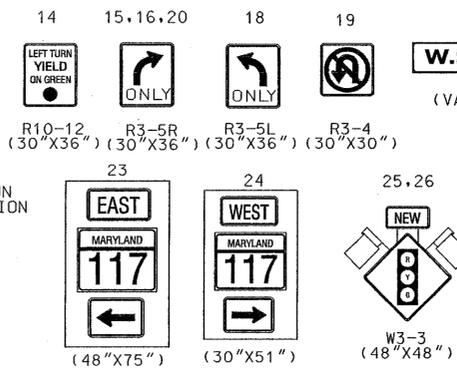
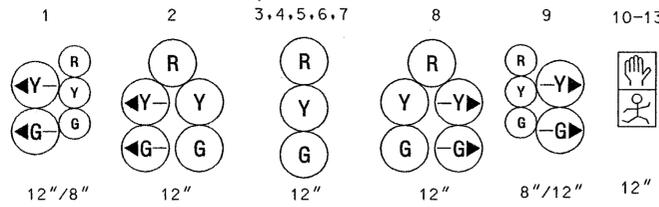


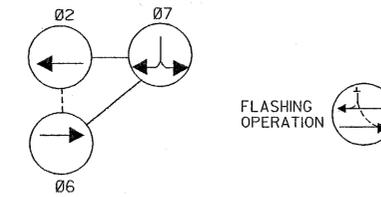
PROPOSED SIGNS



PROPOSED SIGNALS



NEMA PHASING



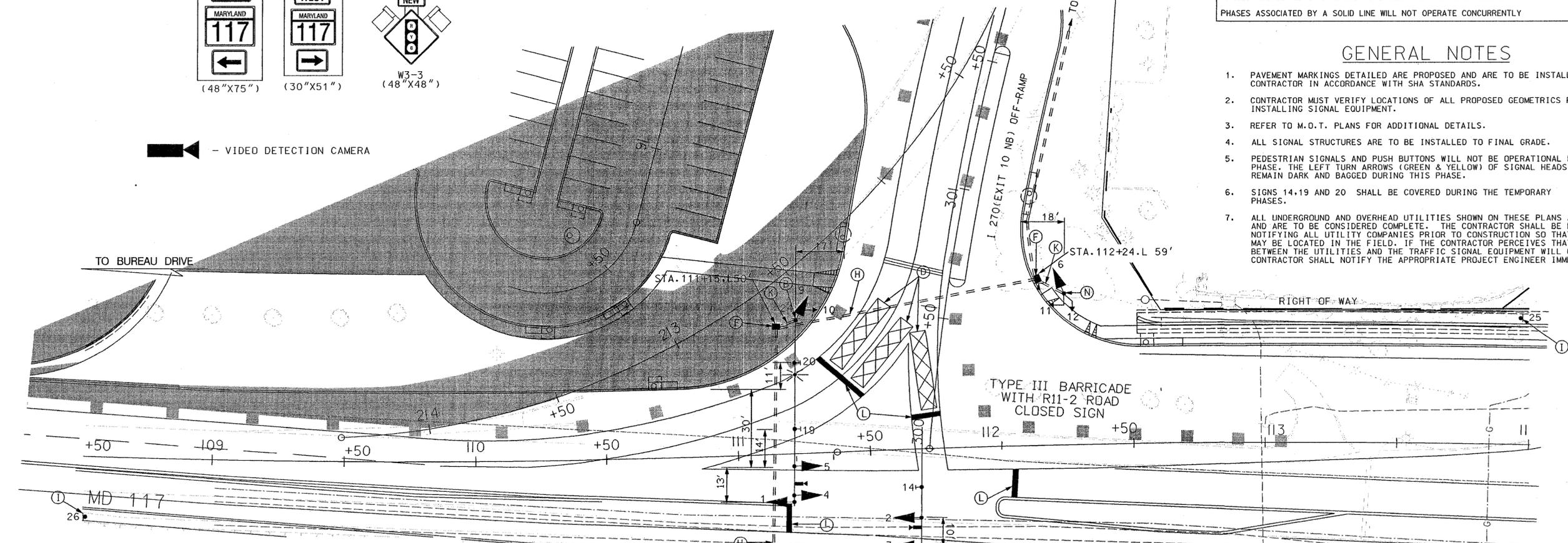
PHASING NOTES:
 PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
 PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

GENERAL NOTES

- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
- CONTRACTOR MUST VERIFY LOCATIONS OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- REFER TO M.O.T. PLANS FOR ADDITIONAL DETAILS.
- ALL SIGNAL STRUCTURES ARE TO BE INSTALLED TO FINAL GRADE.
- PEDESTRIAN SIGNALS AND PUSH BUTTONS WILL NOT BE OPERATIONAL DURING THIS PHASE. THE LEFT TURN ARROWS (GREEN & YELLOW) OF SIGNAL HEADS 1 AND 2 SHALL REMAIN DARK AND BAGGED DURING THIS PHASE.
- SIGNS 14, 19 AND 20 SHALL BE COVERED DURING THE TEMPORARY PHASES.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

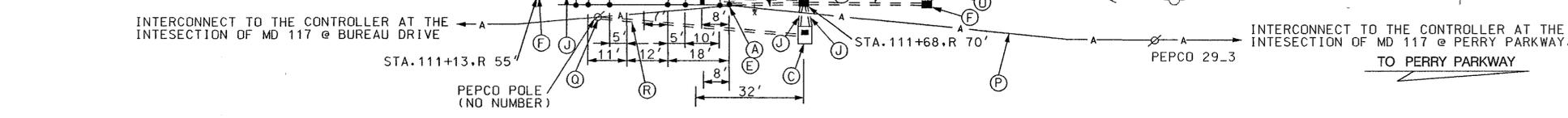
MD 117 IS ASSUMED TO RUN IN AN EAST / WEST DIRECTION

VIDEO DETECTION CAMERA

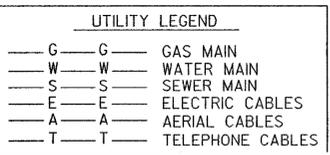


CONSTRUCTION DETAILS

- (A) INSTALL 27' STEEL POLE TWIN 50' / 70' MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, AND 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AT STA. 111+19, L 52'. (NOTE: TWO 3" PVC SCHEDULE 80 CONDUIT BENDS AND FOUR 2" X 90" ANCHOR BOLTS).
- (B) INSTALL 27' STEEL POLE, 70' MAST ARM, SIGNAL HEADS, PEDESTRIAN SIGNAL SIGNS, VIDEO DETECTION CAMERA, AND 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE AT STA. 111+73, R=60'. (NOTE: TWO 3" PVC SCHEDULE 80 CONDUIT BENDS AND FOUR (4) 2" X 90" ANCHOR BOLTS).
- (C) INSTALL BASE MOUNTED CABINET, AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AT STA. 111+68, R=80', AS SHOWN. (NOTE: TWO 4" AND TWO 2" PVC SCHEDULE 80 CONDUIT BENDS).
- (D) VIDEO IMAGING VIRTUAL LOOP LOCATION (TO BE CONFIGURED BY MONTGOMERY COUNTY DPWT).
- (E) INSTALL 2 IN. PVC RISER. PULL BACK THE EXISTING INTERCONNECT HEADING TO PERRY PARKWAY. FEED IT TO THE CONTROLLER AT THE INTERSECTION OF PERRY PARKWAY AND MD 117.
- (F) INSTALL ELECTRICAL HANDHOLE.
- (G) DELETED
- (H) INSTALL 4" PVC (SCHEDULE 80) ELECTRICAL CONDUIT (SLOTTED).
- (I) INSTALL GROUND MOUNTED SIGNS DURING CONSTRUCTION.



- (J) INSTALL 4" PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).
- (K) INSTALL 3" PVC (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).
- (L) INSTALL 24" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
- (M) DELETED.
- (N) INSTALL 10' PEDESTAL POLE, PEDESTRIAN SIGNAL, AND PUSHBUTTON WITH R10-4(1) SIGN, AT STA. 112+25, L=57'. AS SHOWN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR (4) 1 IN. X 40 IN. ANCHOR BOLTS).
- (O) INSTALL 10' PEDESTAL POLE, PEDESTRIAN SIGNAL, AND PUSHBUTTON WITH R10-4(1) SIGN, AT STA. 112+25, L=60', AS SHOWN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR (4) 1 IN. X 40 IN. ANCHOR BOLTS).
- (P) INSTALL 50-PAIR SELF SUPPORTING COMMUNICATION CABLE (OVERHEAD).
- (Q) PROPOSED SERVICE. (SERVICE WILL BE PROVIDED FROM THE RELOCATED POLE)
- (R) INSTALL 4" SCHEDULE 80 PVC (TRENCHED) FOR SERVICE.



DCI
 CONSULTING ENGINEERS
 COLUMBIA, MARYLAND

REVISIONS	APPROVALS
	<i>[Signature]</i> TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 11.05.01 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 11.05.01 DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 SIGNAL PLAN
 I- 270 (EXIT 10-NB) OFF-RAMP
 AT MD 117

DRAWN BY: A.FORNARO	F.A.P. NO. MONTGOMERY	SEE TITLE SHEET	TS NO. 4111
CHECKED BY: TK/ME/BY	S.H.A. NO. MONTGOMERY	LOG MILE: 150171.81	T.I.M.S. NO. D684
SCALE: 1"=20'	DATE: JUNE 11, 2001		SHEET NO. 144 OF 191

PHASE 1
 STAGE C

H:\PROJECTS\TRANS\961\2532\51\DRALLS\PS&E\JUNE\Z9999P01(1).DGN