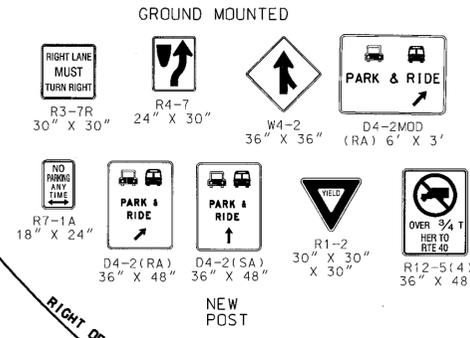
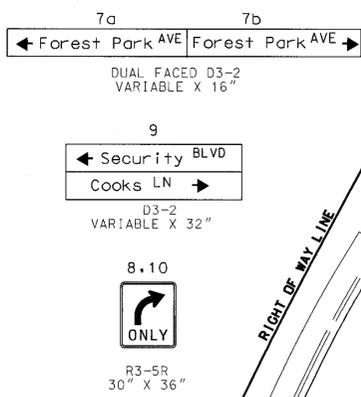


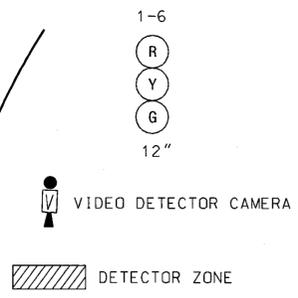
**EXISTING SIGNS**



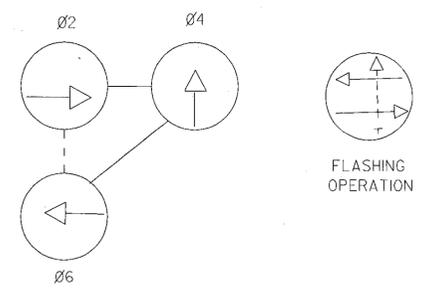
**PROPOSED SIGNS**



**PROPOSED SIGNALS**

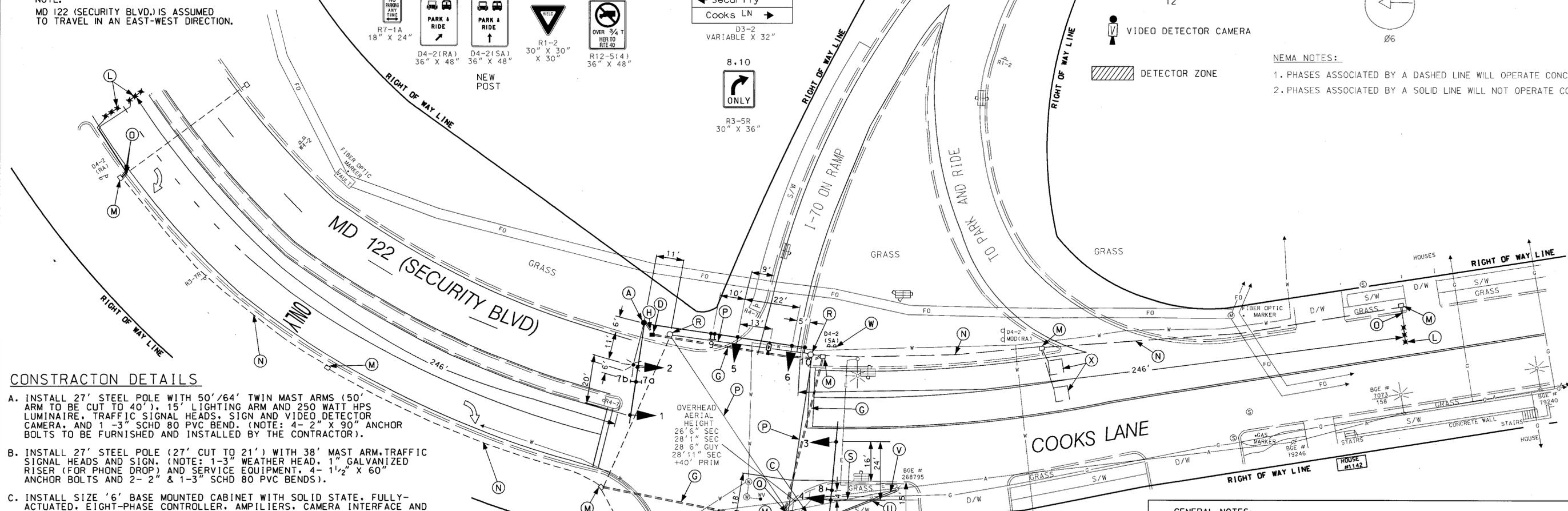


**NEMA PHASING**



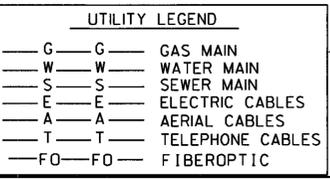
- NEMA NOTES:**
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
  2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

**NOTE:**  
MD 122 (SECURITY BLVD.) IS ASSUMED TO TRAVEL IN AN EAST-WEST DIRECTION.



**CONSTRUCTION DETAILS**

- INSTALL 27' STEEL POLE WITH 50' / 64' TWIN MAST ARMS (50' ARM TO BE CUT TO 40'), 15' LIGHTING ARM AND 250 WATT HPS LUMINAIRE, TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTOR CAMERA, AND 1-3" SCHD 80 PVC BEND. (NOTE: 4-2" X 90" ANCHOR BOLTS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR).
- INSTALL 27' STEEL POLE (27' CUT TO 21') WITH 38' MAST ARM, TRAFFIC SIGNAL HEADS AND SIGN. (NOTE: 1-3" WEATHER HEAD, 1" GALVANIZED RISER (FOR PHONE DROP) AND SERVICE EQUIPMENT, 4- 1 1/2" X 60" ANCHOR BOLTS AND 2- 2" & 1-3" SCHD 80 PVC BENDS).
- INSTALL SIZE '6' BASE MOUNTED CABINET WITH SOLID STATE, FULLY-ACTUATED, EIGHT-PHASE CONTROLLER, AMPLIFIERS, CAMERA INTERFACE AND ALL NECESSARY EQUIPMENT. (NOTE: 2- 2" AND 2- 4" SCHD 80 PVC BENDS).
- INSTALL HANDHOLE.
- INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.
- INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
- REMOVE AND REPLACE 4" CONCRETE SIDEWALK.
- REMOVE EXISTING STOPLINE AND INSTALL 24" HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING IN THE SAME LOCATION.
- INSTALL 3 SET MICRO LOOP PROBES WITH 500' LEAD-IN CABLE.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT.
- REMOVE EXISTING POLE AND CABINET, REMOVE FOUNDATION 12" BELOW GRADE.
- REMOVE EXISTING POLE, REMOVE FOUNDATION 12" BELOW GRADE.
- REMOVE EXISTING SERVICE WIRE AND EQUIPMENT.
- PROPOSED OVERHEAD FEED TO BE INSTALLED BY BGE.
- PROPOSED TELEPHONE DROP
- REMOVE EXISTING SIGN AND BROKEN POSTS. RE-INSTALL EXISTING SIGN ON 4" X 6" WOOD POST.
- CAP AND ABANDON EXISTING LOOP DETECTOR.



- GENERAL NOTES:**
1. ALL UNDERGROUND UTILITIES SHOWN ON PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES AT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
  2. THE CONTRACTOR SHALL CONTRACT MS. DEBBIE PRESKEY AT 410-291-4900 DUE TO THE LOCATION OF THE 26" GAS MAIN IN THE AREA.
  3. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
  4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, OR THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
  5. THE CONTRACTOR SHALL CONTACT MR. ROBERT SNYDER, AT 410-787-5630, TO ARRANGE FOR THE PHONE DROP. THE ADDRESS IS PROVIDED ON THE PLAN. THE CONTRACTOR SHALL NOTIFY MR. SNYDER 72 HOURS IN ADVANCE OF THE PROJECTS COMPLETION.

REVISIONS	APPROVALS
3/15/2004 RECONSTRUCT EXISTING SIGNAL SHA NO. AT3675189 EMM TH	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 10/2/94 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 3/1/90 CHG DETECTORS TO LOOPS 5/31/73

**CENTURY ENGINEERING, INC.**  
 CONSULTING ENGINEERS - PLANNERS  
 32 WEST ROAD  
 TOWSON, MARYLAND 21204  
 TELEPHONE NO: 410-823-8070  
 FAX NO: 410-823-2184

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
 SIGNAL PLAN  
 MD 122 (SECURITY BLVD.) / COOKS LN. AND FOREST PARK AVE.  
 I 70 ON RAMP TO PARK AND RIDE

DRAWN BY: W.R. SMITH	F.A.P. NO. BALTO. JOB NO. S-299A	TS NO. 4293 C
CHECKED BY: CRM	COUNTY: BALTIMORE	T.J.M.S. NO. G251
SCALE: 1" = 20'	LOG MILE: 03012202.91	SHEET NO. 1 OF 2
DATE: 5/31/73		

SHA#: BA44307/057 TCD#: AT357-25