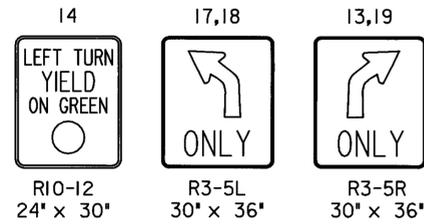


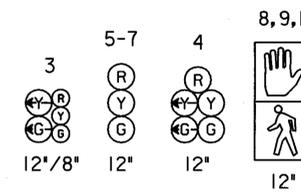
**CONSTRUCTION DETAILS**

- A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./50 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 20 FT. STREET LIGHTING ARM, AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND). CONTROL AND DISTRIBUTION EQUIPMENT.
- B. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON, AND SIGN (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
- C. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
- D. INSTALL PEDESTRIAN SIGNAL ON EXISTING STEEL POLE. INSTALL SIGNAL HEAD AND SIGNS ON EXISTING MAST ARM.
- E. INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
- F. INSTALL 3 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- G. "NOT NEEDED"
- H. INSTALL HANDHOLE.
- I. INSTALL OVERHEAD VIDEO DETECTION CAMERA, WIRING, AND POWER.

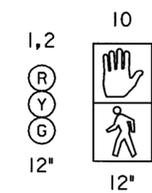
**SIGNS**



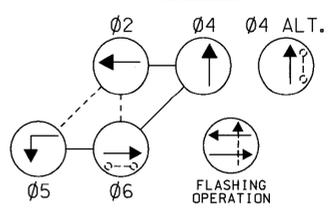
**SIGNALS**



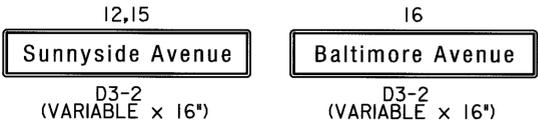
**EXISTING SIGNALS**



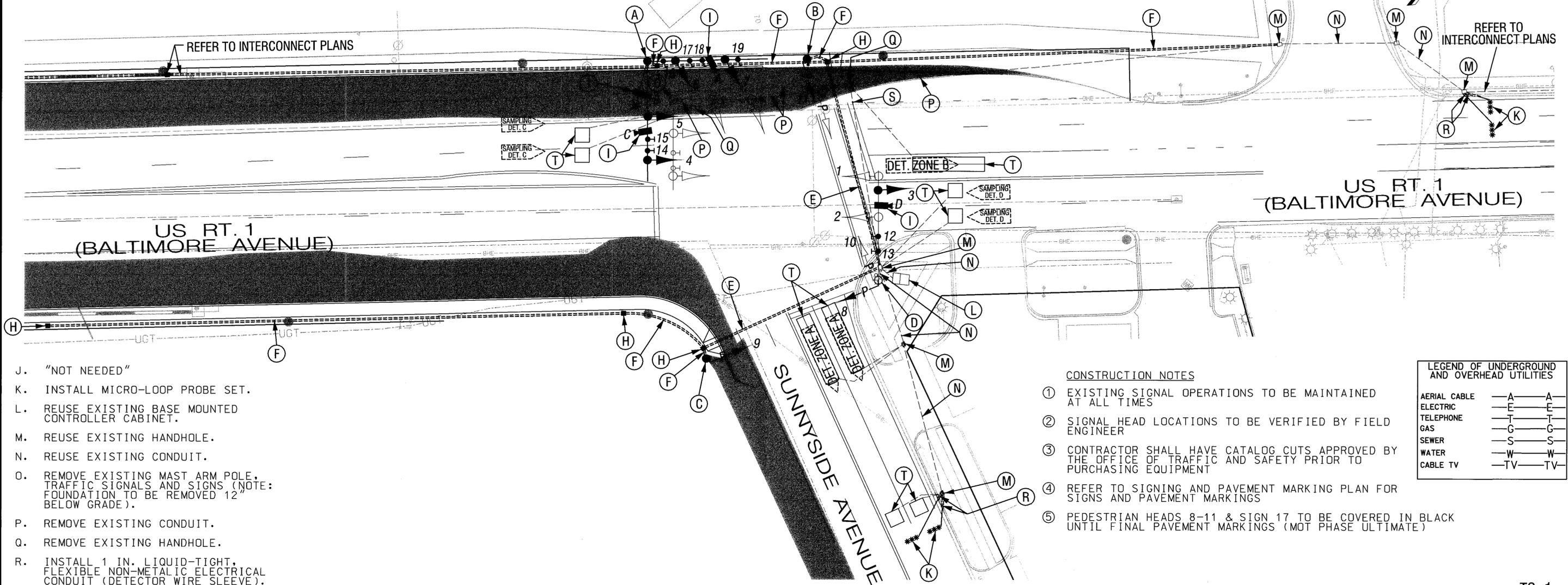
**NEMA PHASING**



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



OVERHEAD VIDEO DETECTION CAMERA A-D



- J. "NOT NEEDED"
- K. INSTALL MICRO-LOOP PROBE SET.
- L. REUSE EXISTING BASE MOUNTED CONTROLLER CABINET.
- M. REUSE EXISTING HANDHOLE.
- N. REUSE EXISTING CONDUIT.
- O. REMOVE EXISTING MAST ARM POLE, TRAFFIC SIGNALS AND SIGNS (NOTE: FOUNDATION TO BE REMOVED 12" BELOW GRADE).
- P. REMOVE EXISTING CONDUIT.
- Q. REMOVE EXISTING HANDHOLE.
- R. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- S. ABANDON EXISTING CONDUIT.
- T. ABANDON EXISTING LOOP DETECTOR.

**CONSTRUCTION NOTES**

- ① EXISTING SIGNAL OPERATIONS TO BE MAINTAINED AT ALL TIMES
- ② SIGNAL HEAD LOCATIONS TO BE VERIFIED BY FIELD ENGINEER
- ③ CONTRACTOR SHALL HAVE CATALOG CUTS APPROVED BY THE OFFICE OF TRAFFIC AND SAFETY PRIOR TO PURCHASING EQUIPMENT
- ④ REFER TO SIGNING AND PAVEMENT MARKING PLAN FOR SIGNS AND PAVEMENT MARKINGS
- ⑤ PEDESTRIAN HEADS 8-11 & SIGN 17 TO BE COVERED IN BLACK UNTIL FINAL PAVEMENT MARKINGS (MOT PHASE ULTIMATE)

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

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

TS-1

ENGINEERING-PLANNING-EARTH SCIENCES-SURVEYING  
**GREENHORNE & O'MARA, INC.**  
 810 GLENBAGLES COURT, SUITE 106, BALTIMORE, MARYLAND 21286  
 (410) 583-6700  
ANNAPOLIS, MD - BALTIMORE, MD - ATLANTA, GA - TAMPA, FL - FAIRFAX, VA - WEST PALM BEACH, FL  
 ROCKVILLE, MD - RALEIGH, NC - FREDERICKSBURG, VA - MECHANICSBURG, PA - ST. PETERSBURG, FL

REVISIONS	APPROVALS
① MAST ARM POLE RELOCATED DUE TO GEOMETRIC IMPROVEMENTS 7/02	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 Traffic Signal Plan (MOT Phases 1A, 1B & 2)  
 US RT. 1 (BALTIMORE AVENUE) & SUNNYSIDE AVENUE

DRAWN BY: H. KILIAN	F.A.P. NO. J-902-11221	TS NO. TS-1117E
CHECKED BY: H. KILIAN	S.H.A. NO. P-323 C03 385	SHEET NO. 17 OF 22
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. E241
DATE: JANUARY 20, 1974	LOG MILE: 1600107.11	