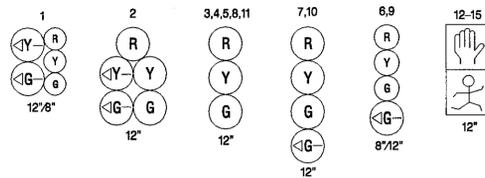
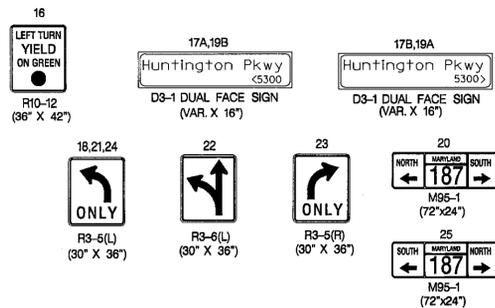


MD 187 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

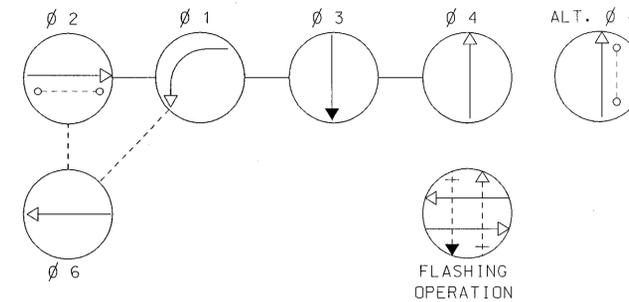
PROPOSED SIGNALS



PROPOSED SIGNS

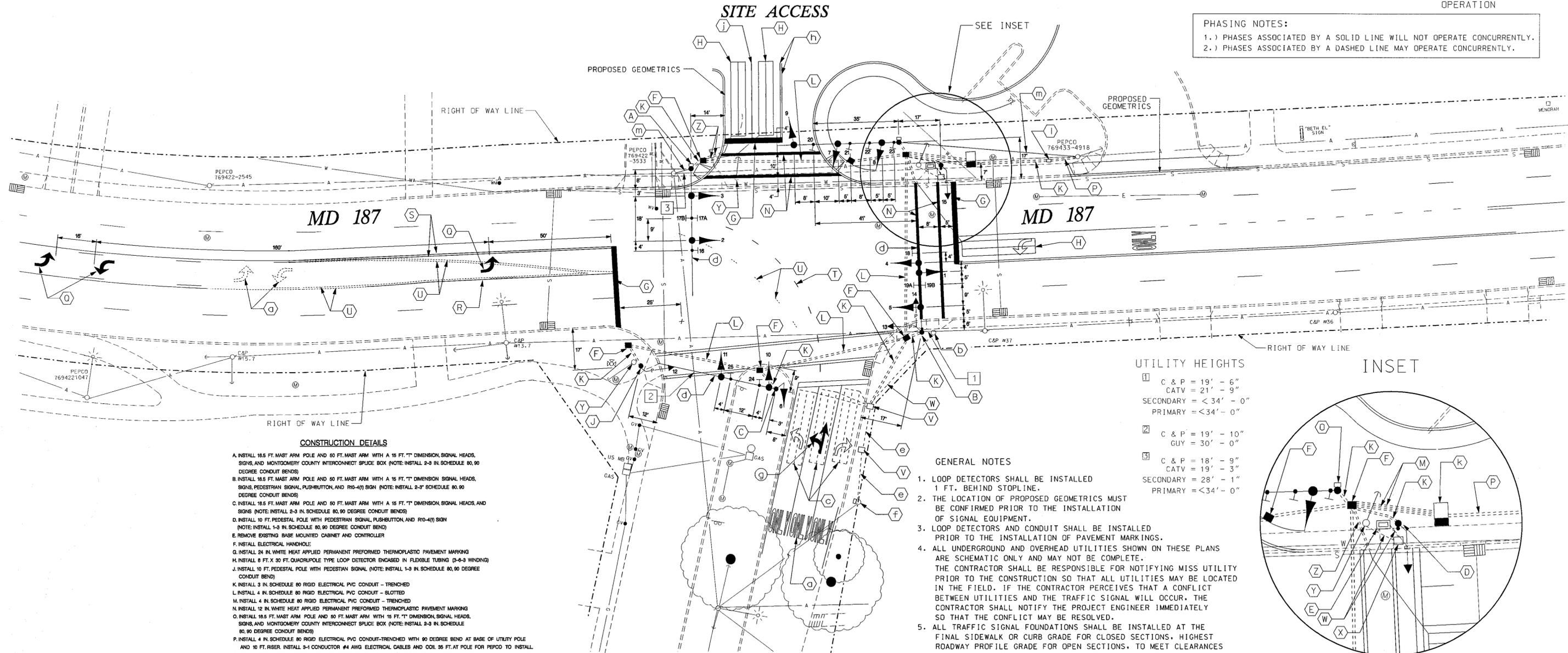


NEMA PHASING



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

SITE ACCESS



CONSTRUCTION DETAILS

- A. INSTALL 16.5 FT. MAST ARM POLE AND 50 FT. MAST ARM WITH A 15 FT. "T" DIMENSION SIGNAL HEADS, SIGNS, AND MONTGOMERY COUNTY INTERCONNECT SPURCE BOX (NOTE: INSTALL 2-3 IN SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- B. INSTALL 16.5 FT. MAST ARM POLE AND 50 FT. MAST ARM WITH A 15 FT. "T" DIMENSION SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON, AND R10-4(I) SIGN (NOTE: INSTALL 2-3 SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- C. INSTALL 16.5 FT. MAST ARM POLE AND 50 FT. MAST ARM WITH A 15 FT. "T" DIMENSION SIGNAL HEADS, AND SIGNS (NOTE: INSTALL 2-3 IN SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- D. INSTALL 10 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON, AND R10-4(I) SIGN (NOTE: INSTALL 1-3 IN SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- E. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- F. INSTALL ELECTRICAL HANDHOLE
- G. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- H. INSTALL 8 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3 WINDING)
- J. INSTALL 10 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNAL (NOTE: INSTALL 1-3 IN SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- K. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- L. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
- M. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- N. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- O. INSTALL 16.5 FT. MAST ARM POLE AND 50 FT. MAST ARM WITH 15 FT. "T" DIMENSION SIGNAL HEADS, SIGNS, AND MONTGOMERY COUNTY INTERCONNECT SPURCE BOX (NOTE: INSTALL 2-3 IN SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- P. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT-TRENCHED WITH 90 DEGREE BEND AT BASE OF UTILITY POLE AND 10 FT. RISER. INSTALL 3-1 CONDUCTOR #4 AWG ELECTRICAL CABLES AND COIL 35 FT. AT POLE FOR PEPCO TO INSTALL.
- Q. INSTALL WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
- R. INSTALL 5 IN. WHITE THERMOPLASTIC PAVEMENT MARKING
- S. INSTALL 5 IN. YELLOW THERMOPLASTIC PAVEMENT MARKING
- T. INSTALL 5 IN. 80# WHITE THERMOPLASTIC PAVEMENT MARKING (3 FT. LINE, 9 FT. GAP)
- U. EXISTING PAVEMENT MARKING TO BE REMOVED (---)
- V. USE EXISTING HANDHOLE
- W. CAP AND ABANDON EXISTING CONDUIT
- X. REMOVE EXISTING HANDHOLE
- Y. REMOVE EXISTING STRAIN POLE AND ALL ASSOCIATED EQUIPMENT
- Z. INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT
- a. REMOVE EXISTING PAVEMENT MARKING ARROWONLY
- b. REMOVE EXISTING PEDESTAL POLE AND ALL ASSOCIATED EQUIPMENT
- c. USE EXISTING DETECTOR
- d. CUT, CLEAN, GALVANIZE, AND CAP MAST ARM
- e. USE EXISTING CONDUIT
- f. INSTALL MONTGOMERY COUNTY INTERCONNECT SPURCE BOX ON EXISTING POLE
- g. REMOVE EXISTING PAVEMENT ARROW AND INSTALL PROPOSED IN SAME LOCATION
- h. INSTALL 5 IN. YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- i. INSTALL 5 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- j. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-3 AND 2-4 SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- k. INSTALL ELECTRIC SERVICE RESTRAL
- m. REROUTE EXISTING INTERCONNECT

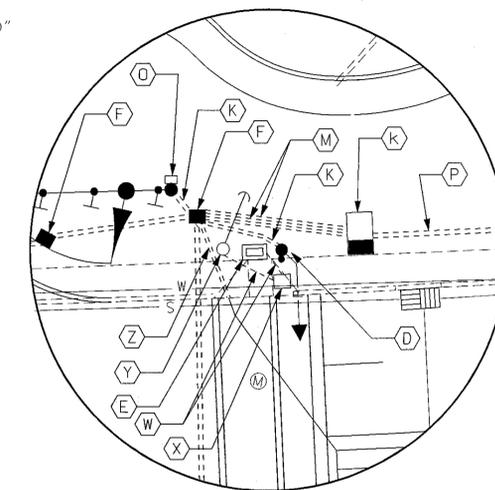
UTILITY HEIGHTS

- 1 C & P = 19' - 6"
CATV = 21' - 9"
SECONDARY = < 34' - 0"
PRIMARY = < 34' - 0"
- 2 C & P = 19' - 10"
GUY = 30' - 0"
- 3 C & P = 18' - 9"
CATV = 19' - 3"
SECONDARY = 28' - 1"
PRIMARY = < 34' - 0"

GENERAL NOTES

1. LOOP DETECTORS SHALL BE INSTALLED 1 FT. BEHIND STOPLINE.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
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. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

INSET



HUNTINGTON PARKWAY

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

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	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 SIGNALIZATION PLAN
 MD 187 AND HUNTINGTON PARKWAY

DRAWN BY: HANI S. MALAS	F.A.P. NO. E-73-031	TS NO. 4316A	SHEET NO. 1 OF 2
CHECKED BY: G.S.D	S.H.A. NO. MONTGOMERY	T.I.M.S. NO. G276	
SCALE: 1" = 20'	COUNTY: MONTGOMERY		
DATE: 3/5/73	LOG MILE: 15018700.91		

3-2004 SHA NO. BW996B2
 SIGNAL RECONSTRUCTION DUE TO ADDITION OF FOURTH LEG