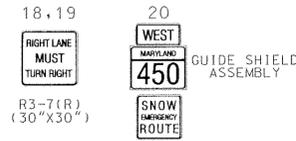


**CONSTRUCTION NOTES**

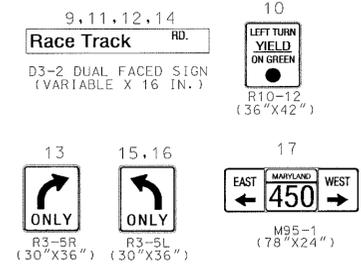
- A. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS, SIGNS AND OPTICOM DETECTOR EYE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1 3/4 IN. X 90 IN. ANCHOR BOLTS.)
- B. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS AND SIGNS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1 3/4 IN. X 90 IN. ANCHOR BOLTS.)
- C. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS AND SIGNS. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1 3/4 IN. X 90 IN. ANCHOR BOLTS.)
- D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH CONTROL AND DISTRIBUTION EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, ONE-3 IN. PVC, AND ONE-2 IN. PVC SCHEDULE 80 CONDUIT BENDS.)
- E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-TRENCHED.
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-TRENCHED.
- G. INSTALL HANDHOLE.
- H. INSTALL A 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-BORED.
- J. INSTALL A 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC ELECTRICAL CONDUIT FOR DETECTOR WIRE SLEEVE.
- K. INSTALL 6 FT. X 30 FT. QUADRUPOLE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN A 1/4 IN. FLEXIBLE TUBING.
- L. INSTALL 24 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.
- M. INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW.
- N. INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LETTER.
- D. INSTALL MICROLOOP PROBE SET WITH A 1000 FT. LEAD-IN CABLE.
- P. USE EXISTING HANDHOLE AND/OR CONDUIT.
- O. CONTRACTOR SHALL INSTALL AN A.D.A. RAMP AS PER MD-SHA STANDARD 655.12.
- R. SPLICE EXISTING LOOP DETECTOR TO PROPOSED 2 CONDUCTOR ALUMINUM SHIELDED CABLE.
- S. USE AND ADJUST EXISTING HANDHOLE TO GRADE AND REPLACE COVER.
- T. ABANDON EXISTING LOOP DETECTOR.
- U. REMOVE EXISTING STRAIN POLE AND FOUNDATION 12" BELOW GRADE.
- V. REMOVE EXISTING HANDHOLE AND/OR CAP AND ABANDON CONDUIT.
- W. REMOVE EXISTING CABINET AND FOUNDATION 12" BELOW GRADE.
- X. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- Y. INSTALL CONDUIT BEND AT BASE OF POLE WITH PULL STRING FOR POWER AND PHONE.

MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

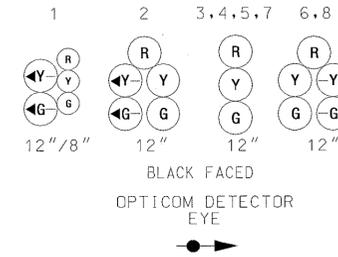
**EXISTING SIGNS**



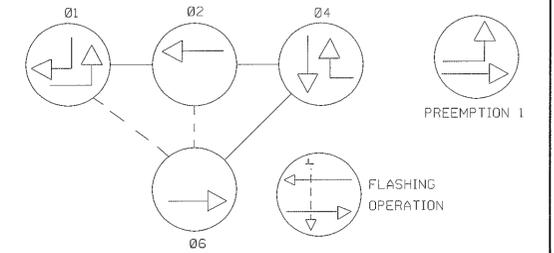
**PROPOSED SIGNS**



**PROPOSED SIGNALS**



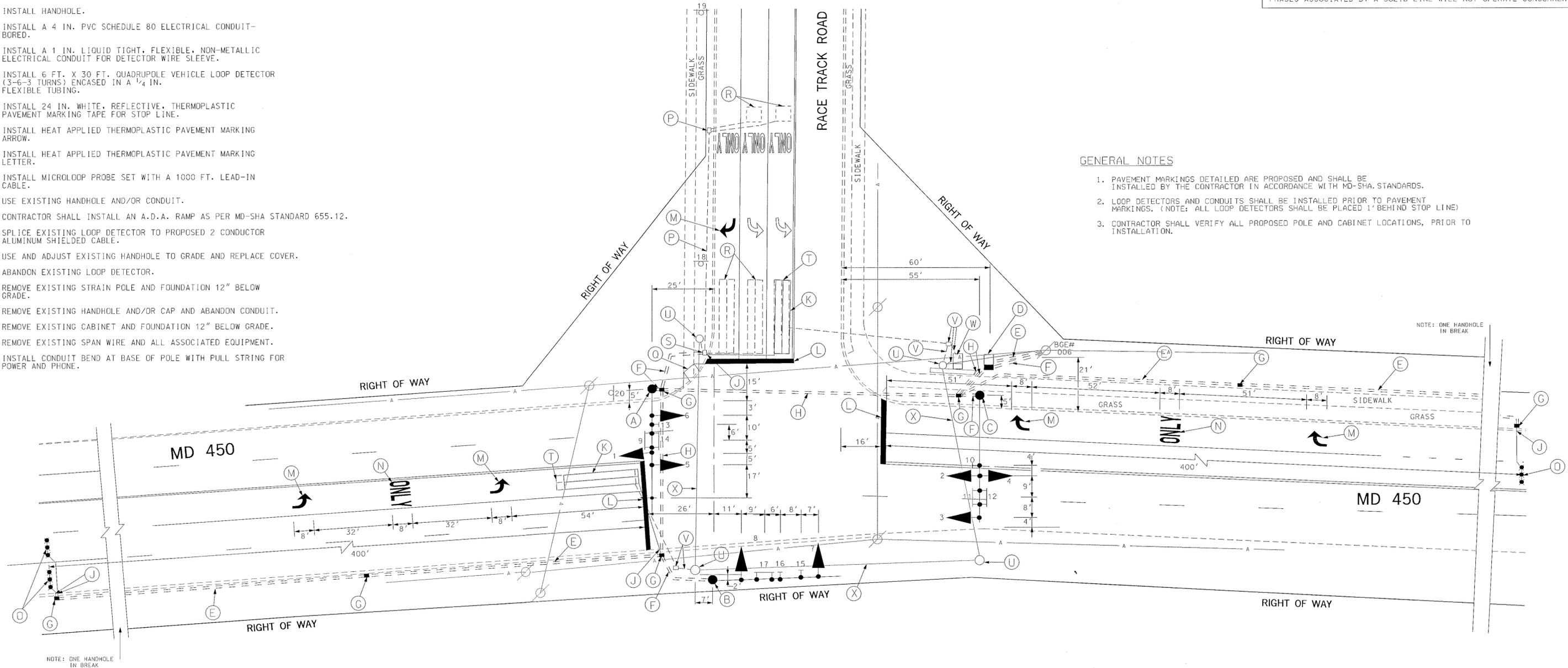
**NEMA PHASING**



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

**GENERAL NOTES**

- 1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS.
- 2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO PAVEMENT MARKINGS. (NOTE: ALL LOOP DETECTORS SHALL BE PLACED 1' BEHIND STOP LINE)
- 3. CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS, PRIOR TO INSTALLATION.



NOTE: ONE HANDHOLE IN BREAK

NOTE: ONE HANDHOLE IN BREAK

GEOMETRIC LEGEND	
=====	EXISTING

UTILITY LEGEND	
—SD—	STORM DRAIN
—G—	GAS MAIN
—W—	WATER MAIN
—S—	SEWER MAIN
—E—	ELECTRIC CABLES
—A—	AERIAL CABLES
—T—	TELEPHONE CABLES

**SABRA, WANG & ASSOCIATES, INC.**  
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WWW.SABRA-WANG.COM

REVISIONS	APPROVALS

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNAL PLAN

**MD 450 AT RACETRACK ROAD**

DRAWN BY: Les Townsend	F.A.P. NO. TS 139G	SHEET NO. 1 OF 2
CHECKED BY: JAW	S.H.A. NO. DC 308A50-1056	
SCALE: 1"=20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. E 615
DATE: 1-12-74	LOG MILE: 16045013.17	