

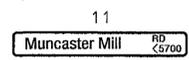
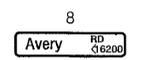


MD 115 IS ASSUMED TO RUN IN A EAST/WEST DIRECTION

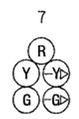
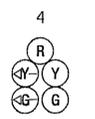
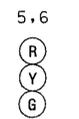
PROPOSED SIGNS



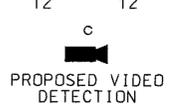
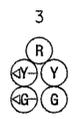
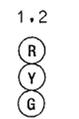
EXISTING SIGNS TO REMAIN



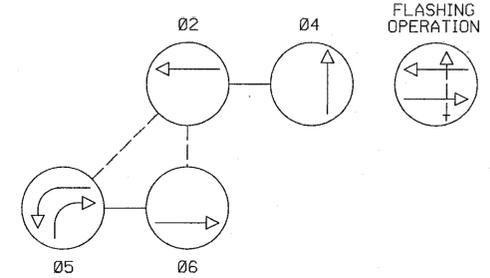
EXISTING SIGNALS TO REMAIN



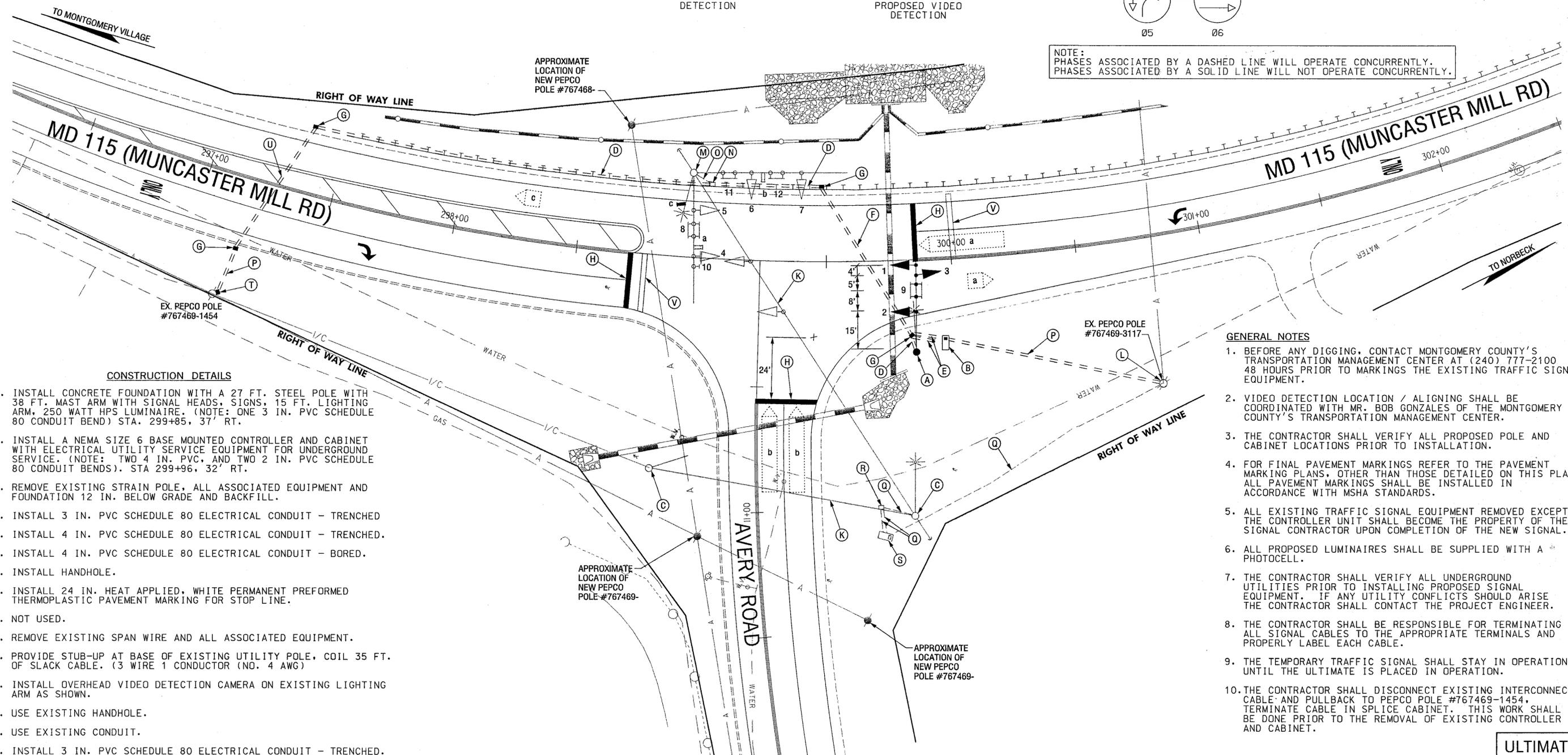
PROPOSED SIGNALS



NEMA PHASING



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



CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 38 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 299+85, 37' RT.
- B. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO 4 IN. PVC, AND TWO 2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 299+96, 32' RT.
- C. REMOVE EXISTING STRAIN POLE, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- G. INSTALL HANDHOLE.
- H. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- J. NOT USED.
- K. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- L. PROVIDE STUB-UP AT BASE OF EXISTING UTILITY POLE, COIL 35 FT. OF SLACK CABLE. (3 WIRE 1 CONDUCTOR (NO. 4 AWG)
- M. INSTALL OVERHEAD VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM AS SHOWN.
- N. USE EXISTING HANDHOLE.
- O. USE EXISTING CONDUIT.
- P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. PROVIDE STUB-UP AT BASE OF UTILITY POLE.

GENERAL NOTES

- 1. BEFORE ANY DIGGING, CONTACT MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (240) 777-2100 48 HOURS PRIOR TO MARKING THE EXISTING TRAFFIC SIGNAL EQUIPMENT.
- 2. VIDEO DETECTION LOCATION / ALIGNING SHALL BE COORDINATED WITH MR. BOB GONZALES OF THE MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER.
- 3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 4. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THIS PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- 6. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- 7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 9. THE TEMPORARY TRAFFIC SIGNAL SHALL STAY IN OPERATION UNTIL THE ULTIMATE IS PLACED IN OPERATION.
- 10. THE CONTRACTOR SHALL DISCONNECT EXISTING INTERCONNECT CABLE AND PULLBACK TO PEPCO POLE #767469-1454. TERMINATE CABLE IN SPLICE CABINET. THIS WORK SHALL BE DONE PRIOR TO THE REMOVAL OF EXISTING CONTROLLER AND CABINET.

| GEOMETRIC LEGEND | |
|------------------|----------|
| ----- | EXISTING |
| ----- | PROPOSED |

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

- Q. CAP AND ABANDON EXISTING CONDUIT.
- R. REMOVE AND DISPOSE OF EXISTING HANDHOLE AND BACKFILL.
- S. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL (SEE GENERAL NOTE 10).
- T. INSTALL POLE MOUNTED SPLICE CABINET AND 3 IN. U-GUARD - PVC RISER ON EXISTING PEPCO POLE.
- U. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- V. REMOVE EXISTING PAVEMENT MARKINGS.

SABRA, WANG & ASSOCIATES, INC.
 1504 JOH AVENUE
 SUITE 100
 BALTIMORE, MD 21227
 (410) 737-0564
 WWW.SABRA-WANG.COM

| REVISIONS | APPROVALS |
|-----------|-----------|
| | |
| | |
| | |
| | |
| | |

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 TRAFFIC SIGNAL PLAN
MD 115 (MUNCASTER MILL ROAD)
AT AVERY ROAD

DRAWN BY: W. MALCOLM
 CHECKED BY: _____
 SCALE: 1" = 20'
 DATE: JANUARY, 1990

F.A.P. NO. _____
 S.H.A. NO. _____
 COUNTY: MONTGOMERY
 LOG MILE: 1501503.68

TS NO. TS-4223A
 T.I.M.S. NO. F-489
 SHEET NO. _____ OF _____

FILE: F:\01\hwy\eng\ar\01\Task 7\cwg\signal\4899ap01.dgn
 DATE: 12/28/03 10:08