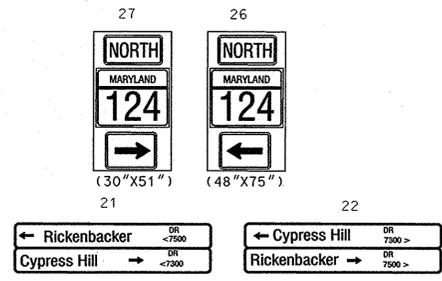
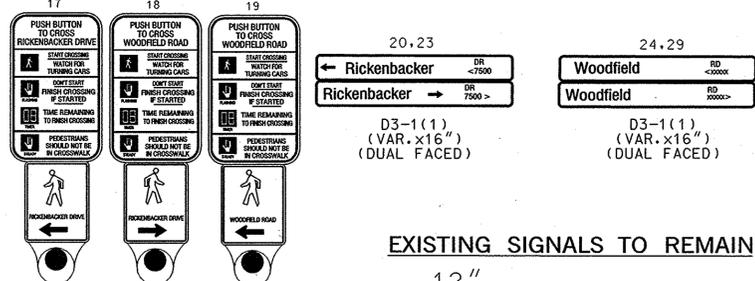


**EXISTING SIGNS TO REMAIN**



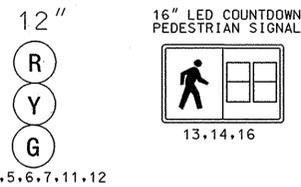
**PROPOSED SIGNS**



PROPOSED VIDEO DETECTION  
b,d

EXISTING VIDEO DETECTION TO REMAIN  
a,c

**PROPOSED SIGNALS**



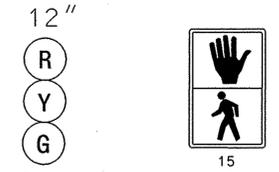
**CONSTRUCTION DETAILS**

- A. INSTALL CONCRETE FOUNDATION WITH ONE 27' STEEL POLE AND ONE 70' MAST ARM, 20' LIGHTING ARM, 250 WATT HPS LUMINAIRE, TRAFFIC SIGNAL HEADS AND VIDEO DETECTION CAMERA. (1-3" CONDUIT BEND)
- B. INSTALL CONCRETE FOUNDATION WITH ONE 27' STEEL POLE AND ONE 70' MAST ARM, TRAFFIC SIGNAL HEADS, 15' LIGHTING ARM, 250 WATT HPS LUMINAIRE, PEDESTRIAN SIGNAL HEAD, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (1-3" CONDUIT BEND)
- C. INSTALL ELECTRICAL HANDHOLE.
- D. INSTALL CONCRETE FOUNDATION WITH A 10' PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSH BUTTON AND SIGNS. (1-3" CONDUIT BEND)
- E. REMOVE EXISTING SIGNAL POLE, MAST ARM, SIGNAL HEAD AND VIDEO DETECTION CAMERA
- F. REMOVE EXISTING SIGNAL POLE, MAST ARM, SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSH BUTTON AND SIGNS.
- G. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER. (2-4", 1-3", AND 1-2" CONDUIT BEND).
- H. INSTALL 2-4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- J. REMOVE EXISTING HANDHOLE.
- K. INSTALL 2-4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- L. USE EXISTING CONDUIT.
- M. INSTALL 3" SCHEDULE 80 RIGID PVC-CONDUIT - TRENCHED.
- N. MAINTAIN EXISTING SIGNAL POLE, MAST ARM AND SIGNAL HEADS.
- P. USE EXISTING HANDHOLE.
- O. INSTALL CONCRETE FOUNDATION WITH A 10' PEDESTAL POLE (CUT TO 5') WITH PUSH BUTTON.
- W. REMOVE EXISTING TRAFFIC SIGNAL CONTROLLER.
- X. REMOVE EXISTING PEDESTAL POLE AND PEDESTRIAN SIGNAL HEAD.
- Y. CAP AND ABANDON EXISTING CONDUIT.
- Z. MAINTAIN EXISTING SIGNAL POLE, PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH BUTTON.
- AA. FURNISH AND INSTALL 2 - 4" PVC RISERS ON EXISTING UTILITY POLE (1 - FOR PEPCO), (1 - FOR INTERCONNECT) AND PROVIDE 3-70 FOOT 250 KCMIL CABLES COILED AT BASE FOR PEPCO USE.
- BB. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- CC. FURNISH AND INSTALL MONTGOMERY COUNTY INTERCONNECT SPLICE BOX.
- DD. INSTALL A NEW EMBEDDED METER SERVICE PEDESTAL IN THIS LOCATION TO SERVICE THE NEW SIGNAL CONTROLLER CABINET.
- EE. EXISTING CROSS WALK TO BE REMOVED.

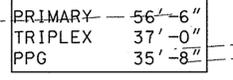
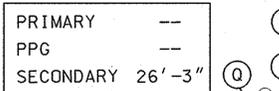
| GEOMETRIC LEGEND |                  |
|------------------|------------------|
|                  | EXISTING         |
|                  | PROPOSED         |
| UTILITY LEGEND   |                  |
|                  | STORM DRAIN      |
|                  | GAS MAIN         |
|                  | WATER MAIN       |
|                  | SEWER MAIN       |
|                  | ELECTRIC CABLES  |
|                  | AERIAL CABLES    |
|                  | TELEPHONE CABLES |
|                  | FIBER-OPTIC      |

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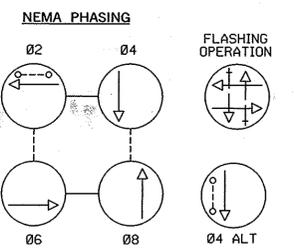
**EXISTING SIGNALS TO REMAIN**



**RIGHT OF WAY LINE**



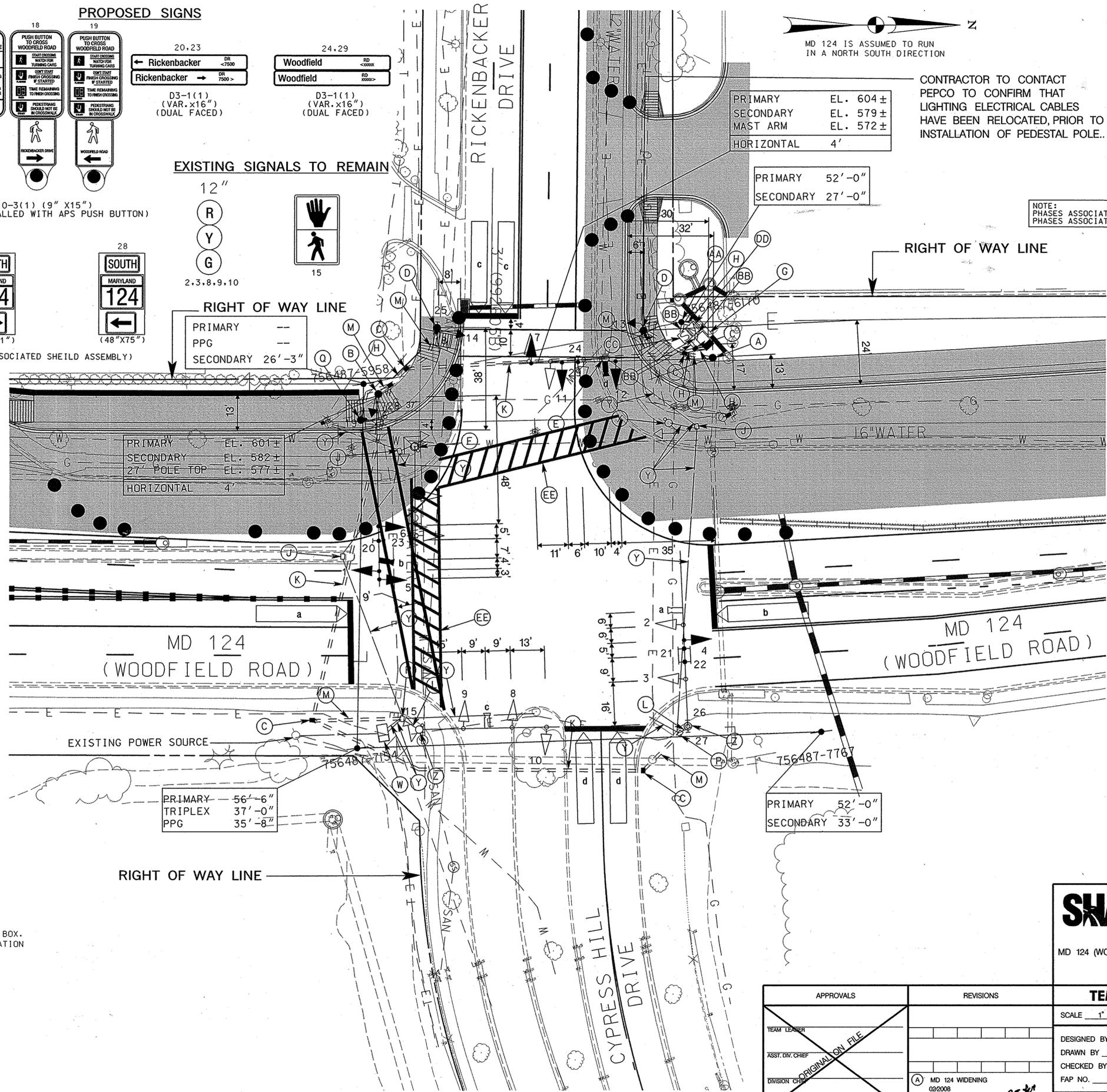
MD 124 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION



CONTRACTOR TO CONTACT PEPCO TO CONFIRM THAT LIGHTING ELECTRICAL CABLES HAVE BEEN RELOCATED, PRIOR TO INSTALLATION OF PEDESTAL POLE.

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

- GENERAL NOTES:**
1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
  2. THE CONTRACTOR SHALL VERIFY PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
  3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
  4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
  5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
  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. 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.
  9. CONTRACTOR SHALL BAG ALL SIGNAL HEADS NOT ACTIVELY IN USE DURING CONSTRUCTION.
  10. CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN CROSSING PATHS IN ACCORDANCE WITH MUTCD DURING ALL PHASES OF CONSTRUCTION.
  11. APS PUSH BUTTONS MAY BE USED AS A STANDARD PUSH BUTTON DURING TEMPORARY PHASING UNTIL ALL NEW PUSH BUTTONS FOR EACH CROSSING ARE INSTALLED.



**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 MD 124 (WOODFIELD RD) AND CYPRESS HILL DRIVE / RICKENBACKER DRIVE  
 STAGE I

| APPROVALS  | REVISIONS   | TEMPORARY TRAFFIC SIGNAL PLAN                                       |  |
|--|---|---|--|
| TEAM LEADER<br>ASST. DIV. CHIEF<br>DIVISION CHIEF<br>OFFICE DIRECTOR | (A) MD 124 WIDENING<br>02/2008<br>KCI [Signature] | SCALE 1" = 20'<br>DATE N/A<br>CONTRACT NO. M06325171                | DESIGNED BY<br>DRAWN BY J. ALLEN JR.<br>CHECKED BY S. RENZI<br>FAP NO. |
|  |   | COUNTY MONTGOMERY<br>LOGMILE 15012407.96<br>TMS NO. H079<br>TOD NO. | TS NO. 4104-A<br>DRAWING SP-15 OF 39<br>SHEET NO. 273 OF 377           |

PLOTTED: 02:59 PM on Tuesday, March 04, 2008  
 FILE: M:\2007\01070459.dwg\drawings\p8g-P002A\_MD124.dgn

BY: Aaron Hottenstein Division: 0101 Transportation