

Border Rev. Date: March 27, 2007

DRILL HOLES

DRILL HOLES

DRILL HOLES

BY: \$USERNAVES\$

MD 586 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION

NOTE: CONTRACTOR SHALL REFER TO MDT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS SECTION 603.03.01 (B-1) FORMS, SECTION 603.03.01 (C) CONCRETE, AND SECTION 603.03.01 (E) JOINTS FOR SIDEWALK REPAIR

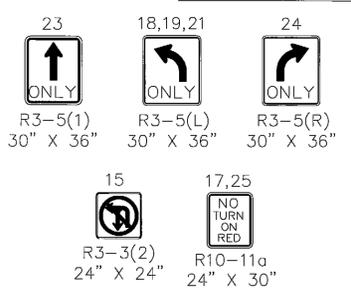
NOTE: CONTRACTOR SHALL REFER TO SHA STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES STANDARD NUMBERS MD 655.01, MD 655.02, MD 655.11, MD 655.12, AND MD 655.13 FOR REPAIR OF SIDEWALK EXPANSION JOINTS, SIDEWALK PASSING ZONES, SIDEWALK RAMPS, AND ADA RAMPS.

- CONSTRUCTION DETAILS**
- A. INSTALL CAMERA UNIT, 10' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90.
  - B. INSTALL FLASH UNITS, RECEIVERS, 14' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90.
  - C. INSTALL 2" PVC SCH. 80 COMMS CONDUIT - TRENCHED.
  - D. INSTALL 2" PVC SCH. 80 ELECTRICAL CONDUIT - TRENCHED.
  - E. INSTALL #5 PULLBOX.
  - F. USE EXISTING CONDUIT. (REFER TO "RED PROTECTIVE SLEEVE" NOTE ON THIS SHEET).
  - G. INSTALL SENSYS SENSOR CUBE.
  - H. INSTALL 4" PVC SCH. 80 COMMS CONDUIT - BORED.
  - I. USE EXISTING HAND HOLE.
  - J. INSTALL 100 AMP METERED SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN
  - K. INSTALL 4" PVC ELECTRICAL CONDUIT (SCHEDULE-80) BORED WITH A 4" ELBOW AT THE WOOD POLE BASE.
  - L. INSTALL 2" PVC ELECTRICAL CONDUIT TRENCHED INTO EXISTING HANDHOLE.
  - M. INSTALL 2" PVC ELECTRICAL CONDUIT TRENCHED INTO EXISTING CABINET BASE.
  - N. USE EXISTING HANDHOLE.
  - O. USE EXISTING CONDUIT.
  - P. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER (INSTALL 2" BEND IN FOUNDATION).
  - Q. REMOVE EXISTING OVERHEAD ELECTRICAL SERVICE. THIS IS TO BE COMPLETED AS A "WORK WITH" WITH PEPCO AND USING MONTGOMERY COUNTY POLICE FOR TRAFFIC CONTROL DURING THE CHANGE OVER.
  - R. REMOVE EXISTING ELECTRICAL SERVICE EQUIPMENT FROM EXISTING SIGNAL POLE



**ACS**  
A xerox Company  
12410 MILESTONE CENTER DR. 4TH FLOOR  
GERMANTOWN, MD 20876

**EXISTING SIGNS**



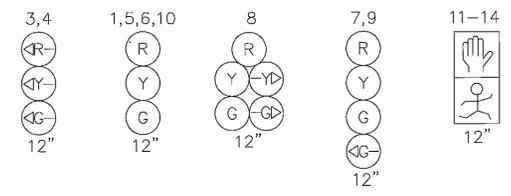
22a,26b  
Veirs Mill RD <2300>  
D3-2 SINGLE FACE SIGN (VAR. X 16")

22b,26a  
Veirs Mill RD <2300>  
D3-2 SINGLE FACE SIGN (VAR. X 16")

16a,16b  
Twinbrook PKWY  
D3-2 SINGLE FACE SIGN (VAR. X 16")

**TWINBROOK PKWY.**

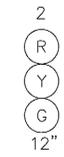
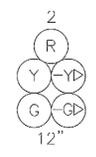
**EXISTING SIGNALS**



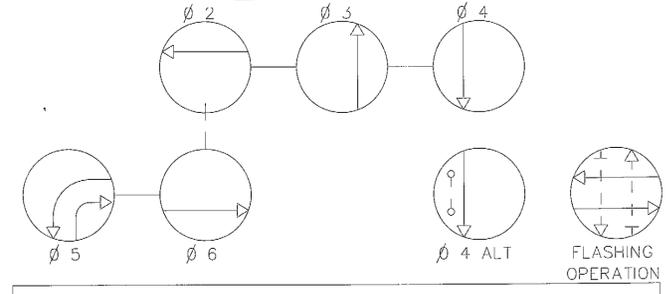
BW313M83 MD 586 @ Twinbrook Parkway

EXISTING SIGNAL TO BE REMOVED

EXISTING SIGNAL



**NEMA PHASING**

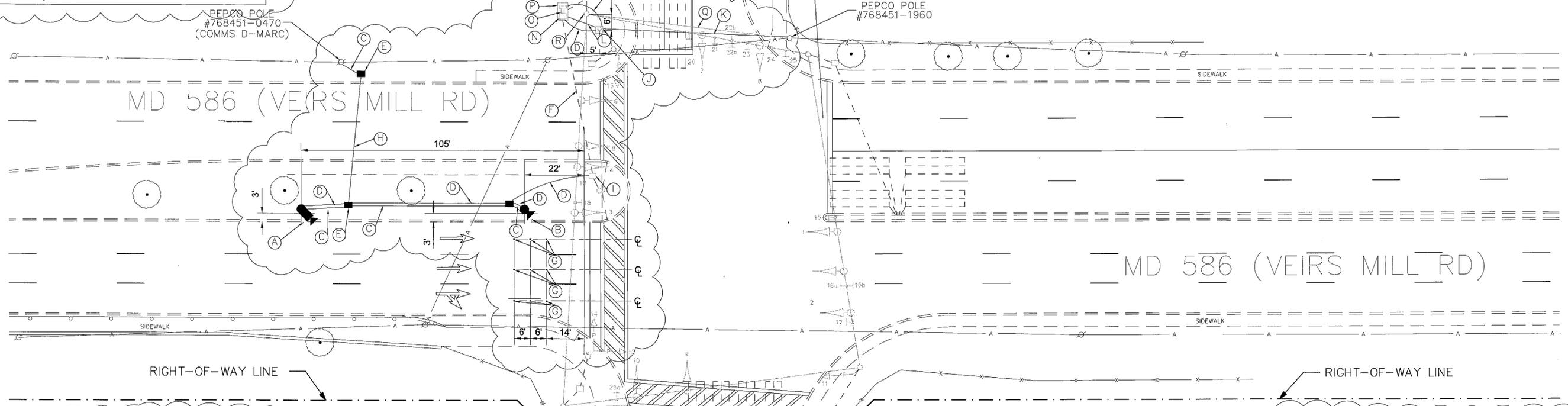


**PHASING NOTES:**

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

IF AN EXISTING CONDUIT IS MORE THAN 40% FULL, ADDITIONAL CONDUIT WILL BE INCLUDED AS NEEDED.

**SPECIAL NOTE:**  
CONTRACTOR SHALL TEST PIT TO VERIFY LOCATION OF EXISTING CONDUIT AND UTILITY RUNS THAT WILL BE IN CLOSE PROXIMITY TO NEW EQUIPMENT INSTALLATIONS.



POWER METER PEDESTALS ARE TO BE PROVIDED BY THE SUBCONTRACTOR PER THE SPECIFICATIONS PROVIDED BY THE D.O.T. AND MEET THE REQUIREMENTS PER THE LOCAL CODE

NOTE: CONTRACTOR SHALL INSTALL JET LINE IN NEW COMMS CONDUIT FOR PULLING OF FUTURE CABLE

NOTE: CONTRACTOR SHALL USE A RED PROTECTIVE SLEEVE TO SEPARATE THE RED LIGHT CAMERA SYSTEM WIRES FROM EXISTING SHA SIGNAL WIRES AT ALL TIMES WHEN ROUTING THROUGH EXISTING CONDUIT, HANDHOLES, SIGNAL STRUCTURES, AND SPAN WIRES.

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

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

**APPROVALS**

TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

**REVISIONS**

⑧ RED LIGHT CAMERA INSTALLATION TMS # L414	05/04/12
A REMOVE EB RIGHT TURN OVERLAP PHASE SHA # BW996M82	05/23/03



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
SIGNALIZATION PLAN  
MD 586 (VEIRS MILL RD) SB AND TWINBROOK PKWY

SCALE 1" = 20'. ADVERTISED DATE 5-23-08 CONTRACT NO. \_\_\_\_\_

DESIGNED BY T Zindel	COUNTY MONTGOMERY
DRAWN BY K Schmitt	LOGMILE 1505861.48
CHECKED BY _____	TMS NO. L414
F.A.P. NO. _____	TOD NO. _____

DRAWING NO. TS 2709B OF SHEET NO. 1 OF 2