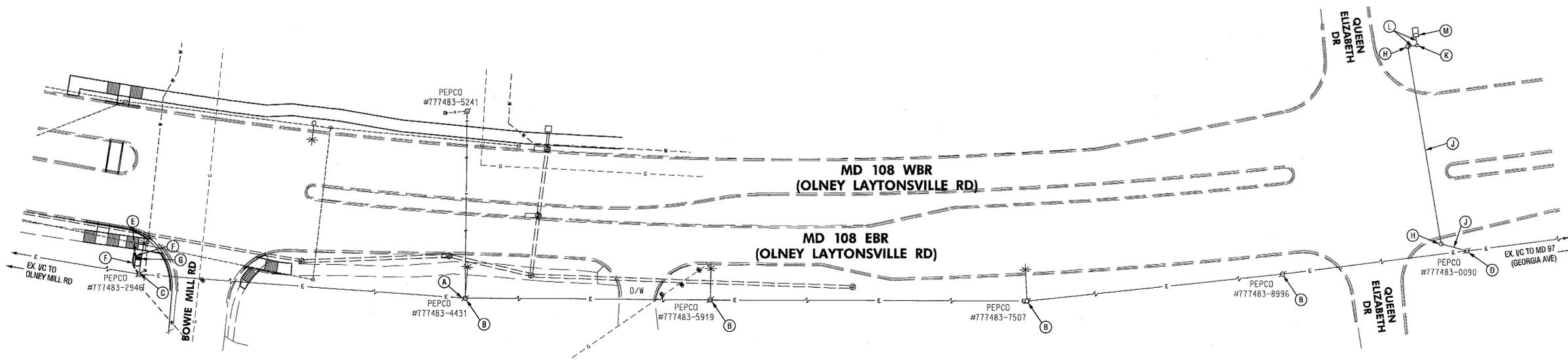


MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



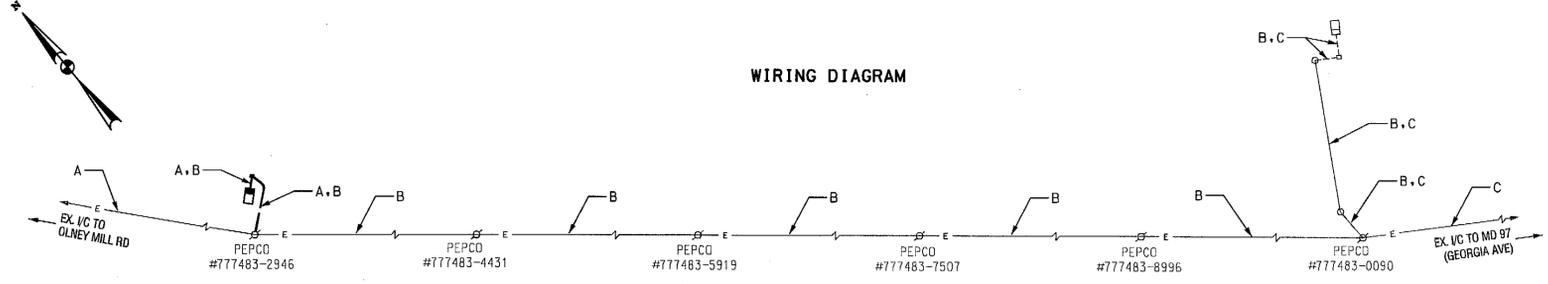
**CONSTRUCTION DETAILS**

- A. DISCONNECT EXISTING INTERCONNECT CABLE COMING FROM OLNEY MILL RD AT QUEEN ELIZABETH DR. CUT EXISTING INTERCONNECT CABLE AT THE LOCATION SHOWN, PULL BACK AND REROUTE REMAINING EXISTING INTERCONNECT CABLE THROUGH PROPOSED RISER AT PEPCO POLE #777483-2946 TO THE PROPOSED CABINET AT BOWIE MILL RD.
- B. USE EXISTING UTILITY POLE. REMOVE EXISTING INTERCONNECT CABLE AND INSTALL PROPOSED INTERCONNECT CABLE ON THE EXISTING J-HOOK AT THE SAME ELEVATION AS THE EXISTING INTERCONNECT CABLE.
- C. TETHER EXISTING INTERCONNECT FROM OLNEY MILL RD AND PROPOSED INTERCONNECT FROM QUEEN ELIZABETH DR TO PEPCO POLE # 777483-2946 AT THE SAME ELEVATION AS THE EXISTING INTERCONNECT. RUN BOTH INTERCONNECT CABLES THROUGH THE PROPOSED CONDUIT RISER.
- D. TETHER PROPOSED INTERCONNECT FROM BOWIE MILL RD TO PEPCO POLE # 777483-0090 AT THE SAME HEIGHT AS THE EXISTING INTERCONNECT.
- E. USE PROPOSED HANDHOLE.
- F. USE PROPOSED CONDUIT.
- G. USE PROPOSED CABINET AND CONTROLLER.
- H. USE EXISTING STRAIN POLE.
- J. USE EXISTING SPAN WIRE.
- K. USE EXISTING HANDHOLE.
- L. USE EXISTING CONDUIT.
- M. USE EXISTING CABINET AND CONTROLLER.

**GENERAL NOTES**

1. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
2. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY THE MONTGOMERY COUNTY SIGNAL SHOP.
4. DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. KAMAL HAMUD AT 240-777-8761 72 HOURS IN ADVANCE OF INTENDED WORK.
5. REFER TO THE SIGNAL PLAN FOR PROPOSED SIGNAL EQUIPMENT.
6. 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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
7. CONTRACTOR SHALL NOTIFY MR. KAMAL HAMUD AND MR. ROBERT RICKETTS 72 HOURS PRIOR TO BEGINNING WORK.
8. PROPOSED INTERCONNECT CABLE SHALL BE 12-PAIR VOICE GRADE COMMUNICATION CABLE (NO. 22 AWG), SELF-SUPPORTING, POLYETHYLENE INSULATED, POLYETHYLENE JACKETED, COPPER SHIELDED AND JELLYFILLED PER MONTGOMERY COUNTY STANDARDS.

**WIRING DIAGRAM**



**WIRING KEY**

- A - EXISTING INTERCONNECT FROM OLNEY MILL RD (EXISTING RUN TO QUEEN ELIZABETH DR, REROUTED TO BOWIE MILL RD) (12-PAIR COMMUNICATION CABLE)
- B - PROPOSED INTERCONNECT FROM BOWIE MILL RD TO QUEEN ELIZABETH DR (12-PAIR COMMUNICATION CABLE)
- C - EXISTING INTERCONNECT FROM QUEEN ELIZABETH DR TO GEORGIA AVE (12-PAIR COMMUNICATION CABLE)

**EQUIPMENT LIST**

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION		
ITEM NO.	QUANTITY	DESCRIPTION
.	..	NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR		
ITEM NO.	QUANTITY	DESCRIPTION
800000	310 LF	DISCONNECT, PULL-BACK & REROUTE CABLES
800000	1010 LF	REMOVE EXISTING CABLE
822001	1325 LF	12-PAIR COMMUNICATION CABLE, SELF-SUPPORTING AND JELLYFILLED (OVERHEAD - SEE GENERAL NOTE 8)

**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
- F - FIBER-OPTIC

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 108 AT BOWIE MILL RD  
SIGNAL INSTALLATION**  
OLNEY, MD

**INTERCONNECT PLAN**

SCALE 1" = 40' DATE APRIL 1993 CONTRACT NO. M-606-501-371

DESIGNED BY J.F.L. (DCI) COUNTY MONTGOMERY  
DRAWN BY J.A. (DCI) LOGMILE 15010812.49  
CHECKED BY D.DODA TIMS NO.  
F.A.P. NO. TOD NO.

TS NO. 3331A DRAWING **SG-02** OF 03 SHEET NO. 02 OF 03

**PARSONS BRINCKERHOFF**  
125 YEARS  
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(PH) 410.727.8600  
(FAX) 410.727.4608

**APPROVALS**

TEAM LEADER  
ASST. DIV. CHIEF  
DIVISION CHIEF  
OFFICE DIRECTOR

**REVISIONS**

① ADDITION OF A SIGNAL BETWEEN QUEEN ELIZABETH DR AND OLNEY MILL RD  
SHA NO. MC5985187 TIMS NO. K050 07/23/2011  
KMP JCS JCS/ML: JCS

**ORIGINAL ON FILE**