

DRILL HOLES
 Borden, Rev. Date: March 2, 2009
 DRILL HOLES
 DRILL HOLES
 BY: \$USERNAME\$

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD355 (FREDERICK) SB AND MIDDLEBROOK.

INTERSECTION OPERATION

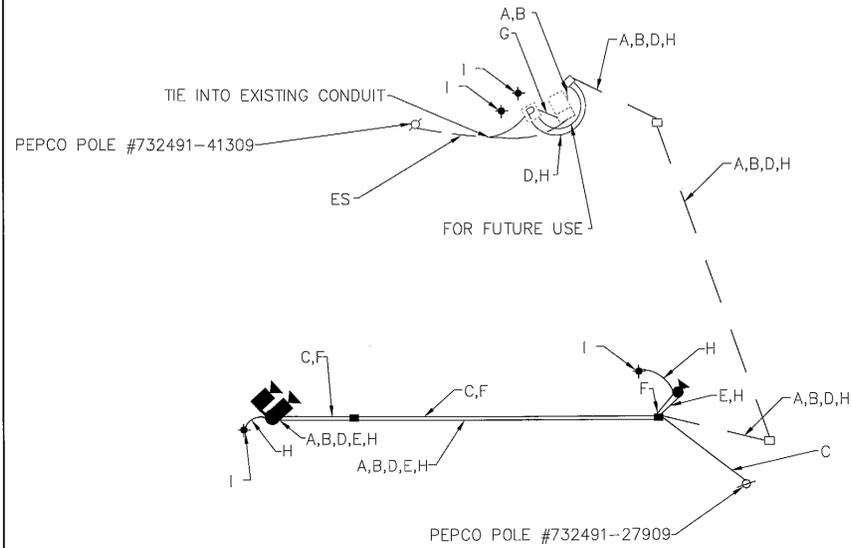
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION
NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

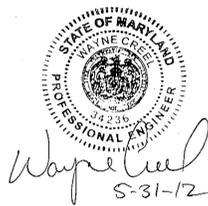
QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
2	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
335	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
385	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE (FOR LANE 2 LEFT HAND TURN LANES)
385	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE (FOR THRU LANES)
4	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
385	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
2	EA	SENSYS RECEIVER ASSEMBLY
185	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
185	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
185	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
185	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
185	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
185	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
415	LF	BARE COPPER GROUDING WIRE
25	LF	(3) 1-CONDUCTOR CABLE (NO. 8 AWG)



WIRING KEY

- A 7-CONDUCTOR CABLE (NO. 14 AWG)THRU/RIGHT HAND TURN LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- G (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- H BARE COPPER WIRE (NO. 6 AWG)
- I PROPOSED GROUNDING ROD
- ES EXISITNG UNDERGROUND SERVICE TO BE PULLED BACK BY PEPCO AND RE-ROUTED TO NEW METERED PEDESTAL.

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL



GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
6. CONTACT ADRIAN PUGH SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.

BW313M83
MD 355 @ Middlebrook Road

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
GI WIRING KEY
MD 355 (FREDERICK RD) SB AND MIDDLEBROOK RD

APPROVALS	REVISIONS	SCALE NONE	ADVERTISED DATE 4/30/12	CONTRACT NO.
TEAM LEADER		DESIGNED BY	COUNTY MONTGOMERY	
ASST. DIV. CHIEF		DRAWN BY	LOGMILE 15035518-02	
DIVISION CHIEF		CHECKED BY	TIMS NO.	
OFFICE DIRECTOR		F.A.P. NO.	TOD NO.	
		DRAWING NO. TS 2283	OF	SHEET NO. 2 OF 2

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