

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE INSTALLATION OF HAZARD IDENTIFICATION BEACONS FOR THE MD 586 AND MATTHEW HENSON TRAIL CROSSING IN MONTGOMERY COUNTY. THE HAZARD IDENTIFICATION BEACON WILL BE ACTIVATED BY PEDESTRIAN PUSHBUTTONS LOCATED ON BOTH SIDES OF MD 586 AND IN THE MEDIAN AREA. MD 586 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

**INTERSECTION OPERATION**

THE MD 586 CROSSWALK HAZARD IDENTIFICATION BEACON WILL INCLUDE TWO SEPARATE PUSHBUTTON ACTIVATED FLASH ONLY PHASES.

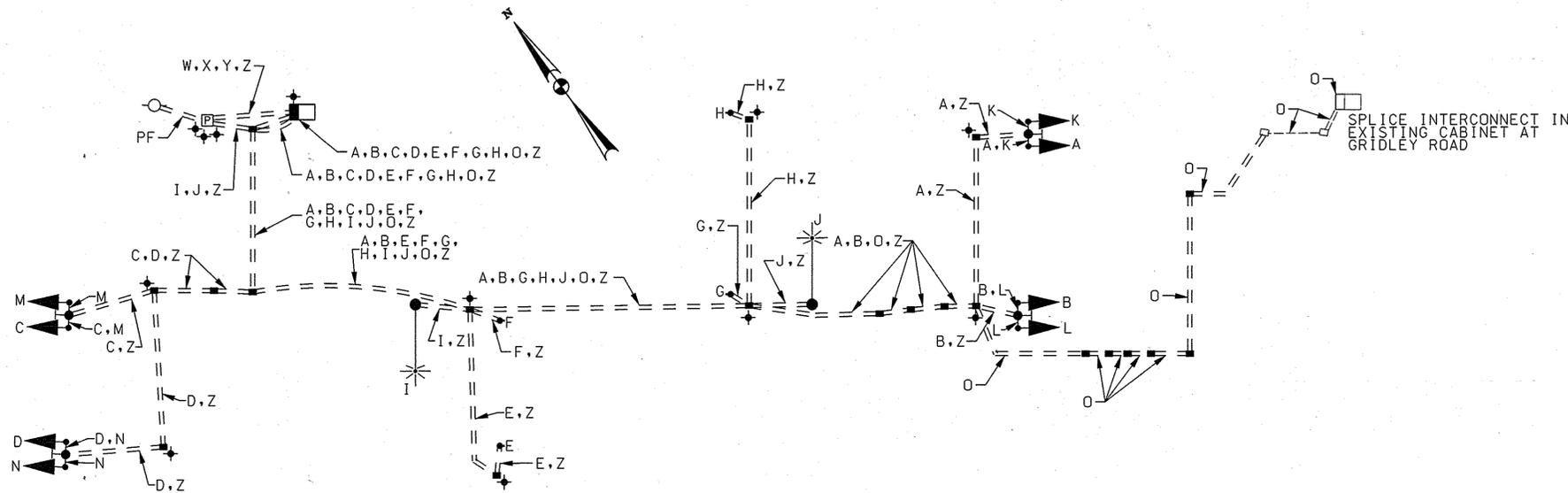
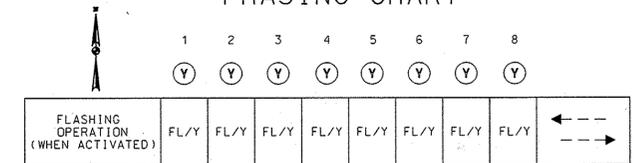
**CONTROLLER REQUIREMENTS**

A FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE FURNISH BY SHA AND INSTALLED BY THE CONTRACTOR.

**EQUIPMENT LIST "A, B, & C"**

SEE SHEET AT-1 FOR EQUIPMENT LIST.

**PHASING CHART**



**GENERAL NOTES**

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
3. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
4. UNDERGROUND 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.
5. 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.
6. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM 60"X60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN 2%.
7. PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA, DOES NOT HAVE TO REACH MORE THAN 18".

**WIRING KEY**

- A, B, C, D, E, F, G, H, K, L, M, N 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- I, J 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TC
- W, X, Y 1-CONDUCTOR ELECTRICAL CABLE (NO. 4 AWG)
- O 12-PAIR INTERCONNECT CABLE
- Z NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- PF UNDERGROUND POWER FEED 3-250 KCMIL CABLES FINAL CONNECTION BY PEPCO PROVIDE 30' OF SLACK CABLE AT THE POLE BASE
- ⚡ GROUND ROD

**CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:**

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 MR. KEVIN NOWAK ASSISTANT DISTRICT ENGINEER - CONSTRUCTION (301) 513-7385  
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**CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:**

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**SHA** STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION  
 MD 586 MATTHEW HENSON TRAIL CROSSING SILVER SPRING, MARYLAND

REVISIONS	GENERAL INFORMATION SHEET		
	SCALE NONE	DATE MAY 2008	CONTRACT NO. AT9105185
	DESIGNED BY BJC	COUNTY MONTGOMERY	
	DRAWN BY BJC	LOGMILE 15058603.04	
	CHECKED BY DAE	TIMS NO. 1839	
	FAP NO.	TOD NO.	
TS NO. 4650GI	DRAWING SP-2 OF 2	SHEET NO. 3 OF 15	

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BY: BJC