

Revised Date: March 27, 2013

DRILL HOLES

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**PROJECT DESCRIPTION**  
 THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 22 (ABERDEEN THROUGHWAY) AND MD 132A / BEARDS HILL ROAD IN HARFORD COUNTY. THE WORK IS NECESSITATED BY A LANE USE CHANGE FOR THE NORTHBOUND APPROACH OF MD 132A.

**INTERSECTION OPERATION**  
 THE INTERSECTION CURRENTLY OPERATES IN A NEMA EIGHT-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR BOTH DIRECTIONS OF MD 22, EXCLUSIVE-PERMISSIVE LEFT TURN SIDE STREET PHASING, AND RIGHT TURN OVERLAP PHASES FOR SOUTHBOUND BEARDS HILL ROAD AND WESTBOUND MD 22 (ABERDEEN THROUGHWAY). THE INTERSECTION WILL NOW OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR BOTH DIRECTIONS OF MD 22 (ABERDEEN THROUGHWAY), SIDE STREET SPLIT PHASING, AND RIGHT TURN OVERLAP PHASES FOR SOUTHBOUND BEARDS HILL ROAD AND WESTBOUND MD 22 (ABERDEEN THROUGHWAY).

**CONTROLLER REQUIREMENTS**  
 THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

**CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:**

MRS. ERIN KUHN  
 ASSISTANT DISTRICT ENGINEER - TRAFFIC  
 (410) 229-2361

MR. ANDRE FUTRELL  
 ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
 (410) 229-2361

MR. MICHAEL PASQUARELLO  
 UTILITY ENGINEER  
 (410) 229-2341

**CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY**

MRS. CORREN JOHNSON  
 CHIEF, TRAFFIC OPERATIONS  
 (410) 787-7630

MR. EUGENE BAILEY  
 TEAM LEADER SIGN OPERATIONS  
 (410) 787-7676

MR. ROBERT SNYDER  
 ASSISTANT DIVISION CHIEF,  
 TRAFFIC OPERATIONS  
 (410) 787-7631

MR. MIKE STOCKER  
 SUPPLY OFFICE  
 SIGNAL SHOP WAREHOUSE  
 (410) 787-7668

MR. ED RODENHIZER  
 CHIEF - SIGNAL OPERATIONS SECTION  
 (410) 787-7652

**PHASE CHART**

PHASE 1 & 5	←G← R R ←G← R R R R R R R R
1 & 5 CHANGE	PHASE 1 & 5 MAY CHANGE TO PHASE 1 & 6, 2 & 5, OR 2 & 6
PHASE 1 & 6	←G← G ←G← R R R R R R R R
1 CHANGE	←Y← Y ←Y← R R R R R R R R
PHASE 2 & 5	←R← R R ←G← G R R R R R R R
5 CHANGE	←R← R R ←Y← Y R R R R R R R
PHASE 2 & 6	←R← R G G ←R← G G R R R R R R
2 & 6 CHANGE	←R← R Y Y ←R← Y Y R R R R R R
PHASE 3	←R← R R ←R← R R ←G← G G R R R R
3 CHANGE	←R← R R ←R← R R Y Y Y Y R R R R
PHASE 4	←R← R R ←R← R R R R R R ←G← G
4 CHANGE	←R← R R ←R← R R R R R R Y Y Y Y
FLASHING OPERATION	←FLR← FLY FLY ←FLR← FLY FLY FLR FLR FLR FLR FLR FLR

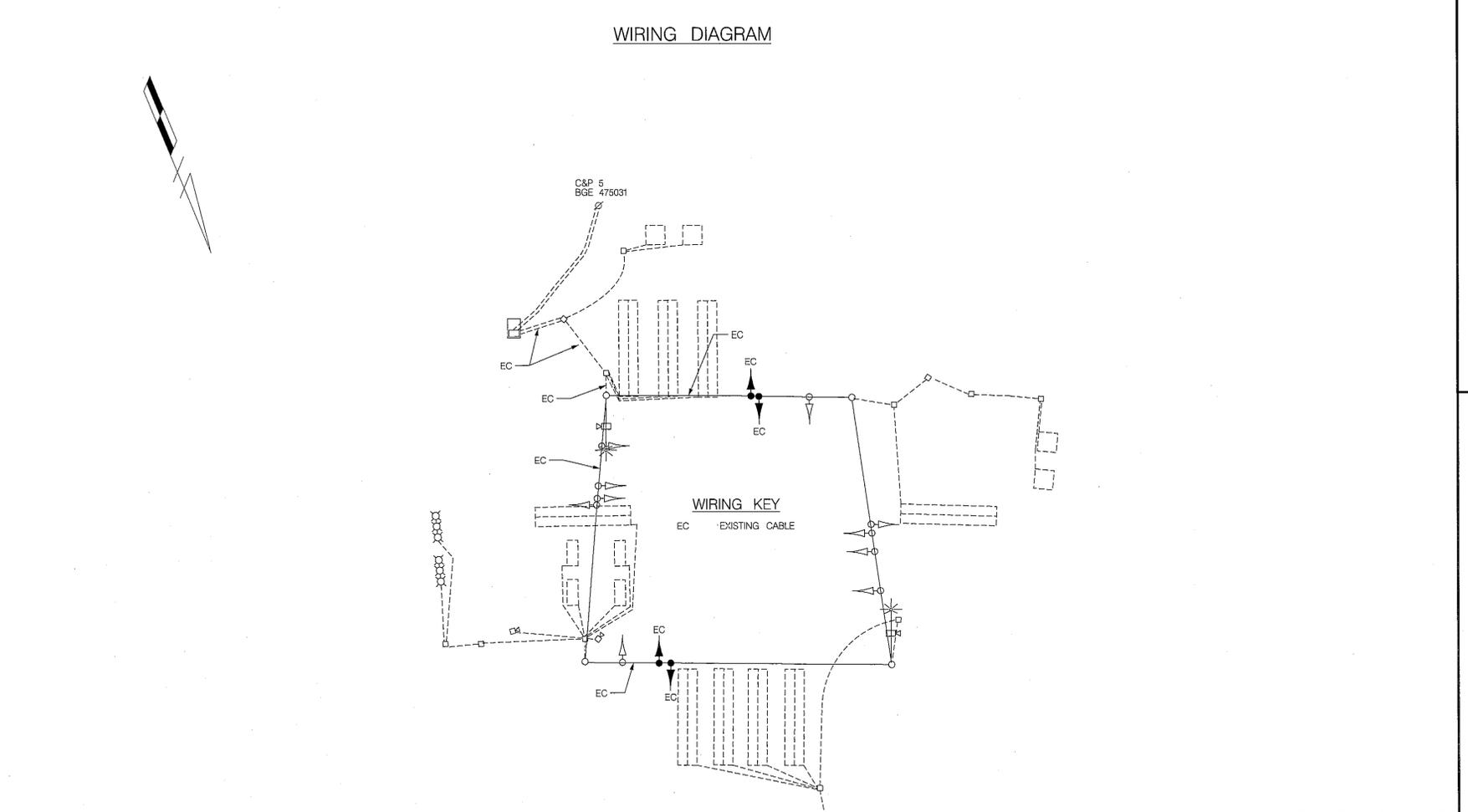
**EQUIPMENT LIST "A"**  
 A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

QUANTITY	DESCRIPTION
NONE	

**EQUIPMENT LIST "B"**  
 B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
100 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
4 EA	HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
16 EA	12 IN. L.E.D. SIGNAL HEAD SECTION
1 EA	R3-6L (30" X 36") SIGN - SPAN WIRE MOUNT
55 LF	5 IN. HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING

**TRAFFIC CONCEPTS, INC.**  
 325 Gambrills Road  
 Suite B  
 Gambrills, MD 21054  
 (410) 923-7101  
 FAX: (410) 923-6473  
 EMAIL: KSCHMID@TRAFFIC-CONCEPTS.COM



SHA TRACKING NO. 12-AP-HA-020

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION

**MD 22 (ABERDEEN THROUGHWAY) AND  
 MD 132A / BEARDS HILL ROAD  
 ABERDEEN, MARYLAND**

**GENERAL INFORMATION PLAN**

SCALE 1"=20'	DATE 8-3-2013	CONTRACT NO. BW995M82
DESIGNED BY A. M. ROSEN	COUNTY HARFORD	
DRAWN BY A. M. ROSEN	LOGMILE 12002210.30	
CHECKED BY J. K. SCHMID	TIMS NO. LB95	
F.A.P. NO. -	TOD NO. -	

DRAWING NO. TS- 110 1GI SHEET NO. 2 OF 2

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
 LICENSE NO. 2545 EXP. DATE 6/30/2015

PLOTTED: Thursday, May 02, 2013 AT 03:36 PM  
 FILE: M:\2800\2823\SIGNAL\DG\VP\68E PLANS 4-84-13.dgn

BY: Max