PROJECT DESCRIPTION

I. PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPLACEMENT OF EXISTING CONDUIT TO EXISTING HIB STRUCTURES & MICRO-LOOP PROBES IMPACTED DUE TO ROADWAY WIDENING ALONG US 15. US 15 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE EXISTING PHASING AT THE INTERSECTION WILL REMAIN.

III. CONTROLLER REQUIREMENTS

N/A

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

DISTRICT 7:

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER,
TRAFFIC
301-624-8140

MS. ANDREA ABEND
ASSISTANT DISTRICT ENGINEER,
UTILITIES
301-624-8115

MS. SUSAN PALMER,
ASSISTANT DISTRICT ENGINEER,
MAINTENANCE
301-624-8105

OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
410-787-7696

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA

NONE

EQUIPMENT LIST "B"

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

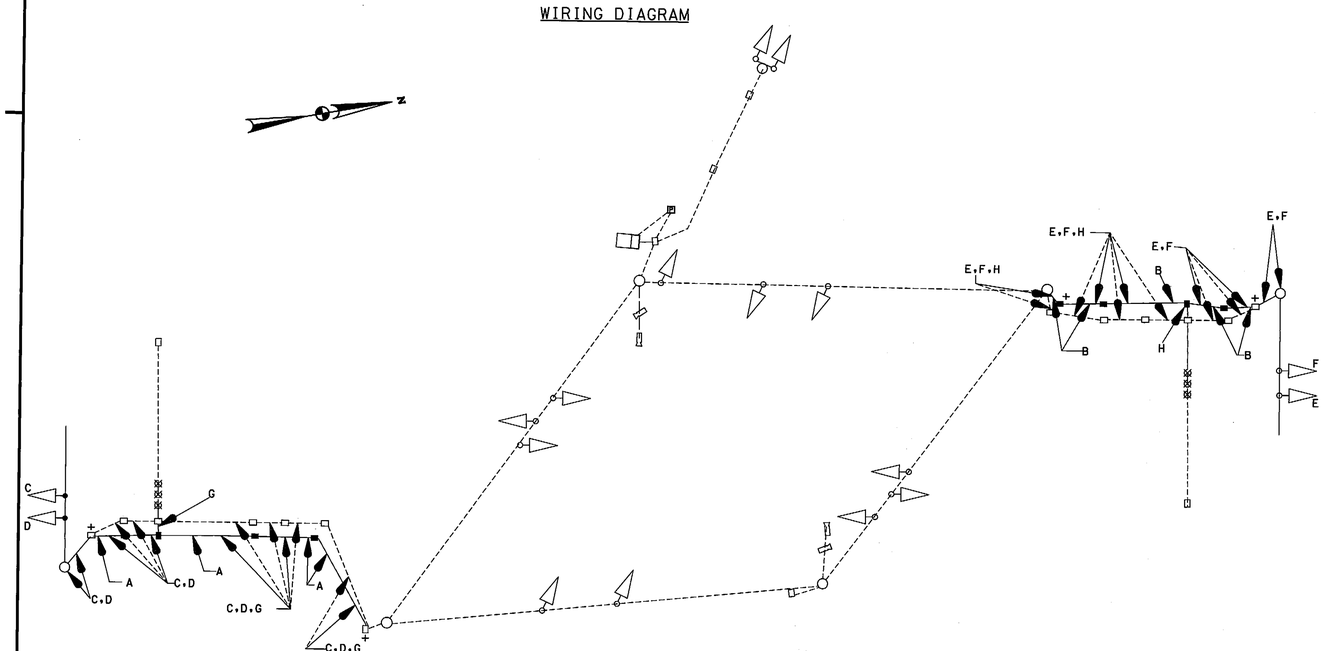
ITEM NO.	CATEGORY CODE NO.	SPEC NUMBER	QUANTITY	DESCRIPTION
8001	800000	800	4500 LF	DISCONNECT, PULLBACK AND REROUTE CABLE
8002	800000	800	1 LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8007	802501	804	1680 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8009	805135	805	1700 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8010	811001	811	8 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8022	837001	804	4 EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

NONE

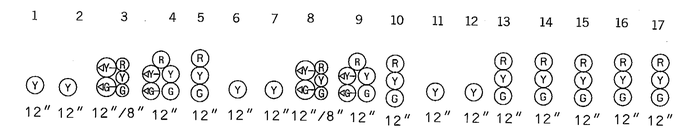
WIRING DIAGRAM



WIRING LEGEND

A,B	BARE COPPER GROUND WIRE (NO. 6 AWG)
C,D,E,F	EXISTING HIB CABLES REROUTED
G,H	EXISTING MICROLOOP CABLES REROUTED
+	GROUND ROD

PHASE CHART



PHASE 1 AND 5	FL /Y	FL /Y	←G/R	←G/R	R	FL /Y	FL /Y	←G/R	←G/R	R	FL /Y	FL /Y	R	R	R	R	R
PHASE 1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																	
PHASE 1 AND 6	DARK	DARK	←G/G	←G/G	G	FL /Y	FL /Y	R	R	R	FL /Y	FL /Y	R	R	R	R	R
1 AND 6 CHANGE	DARK	DARK	←Y/G	←Y/G	G	FL /Y	FL /Y	R	R	R	FL /Y	FL /Y	R	R	R	R	R
PHASE 2 AND 5	FL /Y	FL /Y	R	R	R	DARK	DARK	←G/G	←G/G	G	FL /Y	FL /Y	R	R	R	R	R
2 AND 5 CHANGE	DARK	DARK	R	R	R	DARK	DARK	←Y/G	←Y/G	G	FL /Y	FL /Y	R	R	R	R	R
PHASE 2 AND 6	DARK	DARK	G	G	G	DARK	DARK	G	G	G	FL /Y	FL /Y	R	R	R	R	R
2 AND 6 CHANGE	FL /Y	FL /Y	Y	Y	Y	FL /Y	FL /Y	Y	Y	Y	FL /Y	FL /Y	R	R	R	R	R
PHASE 4 AND 8	FL /Y	FL /Y	R	R	R	FL /Y	FL /Y	R	R	R	FL /Y	FL /Y	G	G	G	G	G
4 AND 8 CHANGE	FL /Y	FL /Y	R	R	R	FL /Y	FL /Y	R	R	R	FL /Y	FL /Y	Y	Y	Y	Y	Y
FLASHING	DARK	DARK	FL /Y	FL /Y	FL /Y	DARK	DARK	FL /Y	FL /Y	FL /Y	DARK	DARK	FL /R	FL /R	FL /R	FL /R	FL /R

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 15 (CATOCTIN MOUNTAIN HWY) AND MOUNTVILLE ROAD
JEFFERSON, MD

GENERAL INFORMATION

REVISION B CONSULTANT

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SCALE NOT TO SCALE DATE AUGUST 2011 CONTRACT NO. FR6015130

DESIGNED BY SKL
DRAWN BY GNC
CHECKED BY JLR
F.A.P. NO. N/A

COUNTY FREDERICK
LOGMILE 100001505.25
T.I.M.S. NO. K635
TOD NO.

DRAWING NO. SG-02 OF 02 SHEET NO. 16 OF 36

PLOTTED: Wednesday, August 31, 2011 AT 08:41 AM
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