PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES MODIFYING THE ACCESSIBLE PEDESTRIAN SIGNAL EQUIPMENT AT THE INTERSECTION OF MD 542 (LOCH RAVEN BLVD) AND TAYLOR AVE. IN BALTIMORE COUNTY, MARYLAND. MD 542 (LOCH RAVEN BLVD.) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER SHALL BE USED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING MINIMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.03-01 (SHOULDER WORK)

STANDARD NO. MD-104.03-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.03-05 (RIGHT LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM

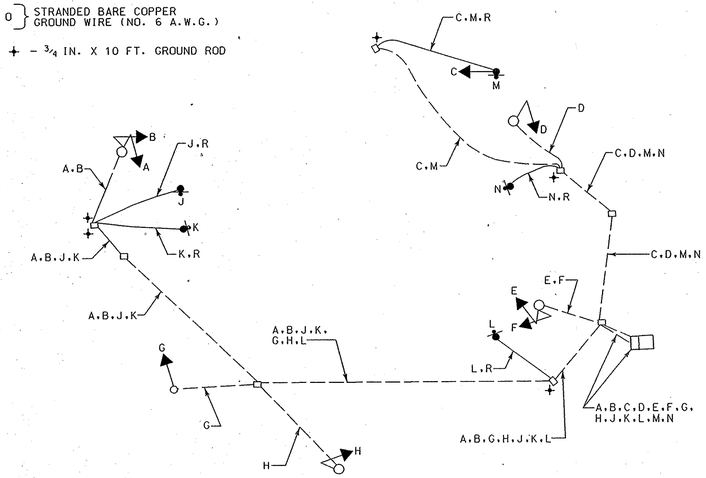
WIRING KEY

A E, B F, C G, D H } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

J K, L M, N } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

O } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

+ - 3/4 IN. X 10 FT. GROUND ROD



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

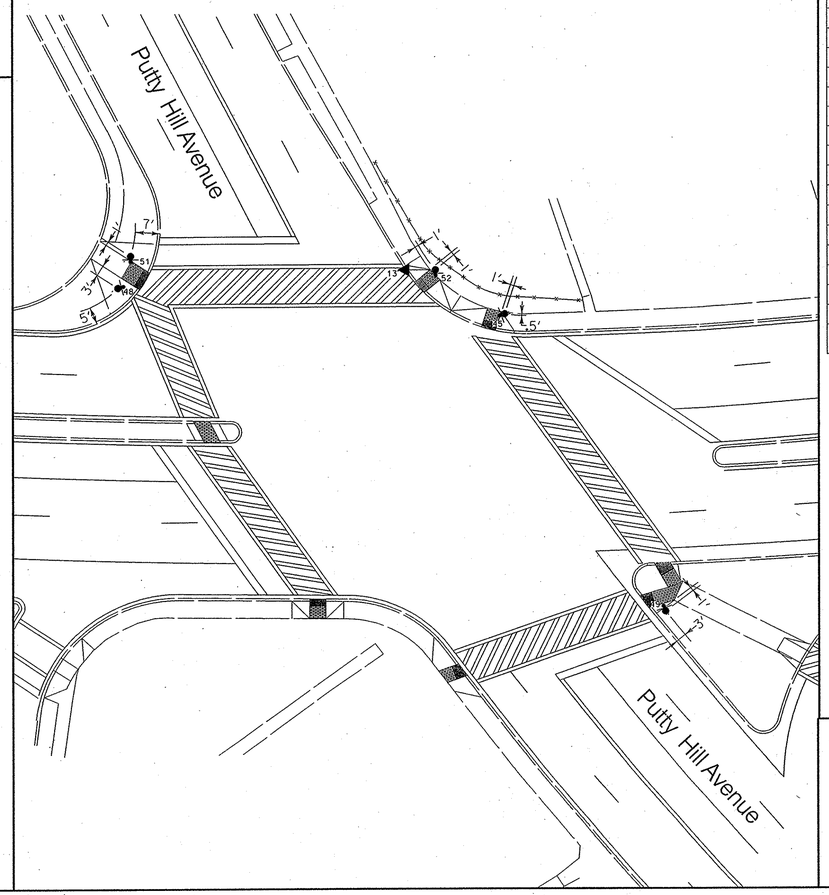
QUANTITY	DESCRIPTION
8 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF: - 4 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS PUTTY HILL AVENUE." - 4 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS LOCH RAVEN BLVD."

EQUIPMENT LIST "C"

ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

DIMENSION DIAGRAM

SCALE: 1" = 20'

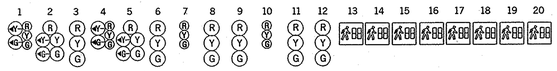


EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	5 C.Y.	TEST PIT EXCAVATION
6002	67 S.F.	4 INCH CONCRETE SIDEWALK
8003	1 EACH	2 WIRE CENTRAL CONTROL UNIT
8010	8 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON
8011	5 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8014	8 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN
8017	1 EACH	REMOVE & DISPOSE OF EQUIPMENT
8020	95 L.F.	3 INCH ELECTRICAL CONDUIT SCHEDULE 80
8030	5 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8033	95 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8052	5 EACH	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8056	4 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8058	875 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8060	1535 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 AND 5	R ←G—	R ←G—	R	R ←G—	R ←G—	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																				
PHASE 1 AND 6	G ←G—	G ←G—	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
1 AND 6 CHANGE	G ←Y—	G ←Y—	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	G ←G—	G ←G—	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
2 AND 5 CHANGE	R	R	R	G ←Y—	G ←Y—	Y	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6 ALT	R	R	R	R	R	R	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
LEADING PED	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 AND 6 ALT CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	WK	WK	WK	WK
LEADING PED	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
PHASE 4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 542 (Loch Raven Boulevard)

and Putty Hill Avenue

Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

GENERAL INFORMATION SHEET

SCALE NONE DATE 12/11/2008 CONTRACT NO. AT9365185

DESIGNED BY B. Donoway
DRAWN BY B. Donoway
CHECKED BY N. Leary
FAP NO.

COUNTY Baltimore
LOGMILE
TIMS NO.
TOD NO.

TS NO. 2013C DRAWING TSP-2 OF SHEET NO. 2 OF 4

PLOTTED: Wednesday, December 13, 2008 AT 07:52 AM
FILE: H:\31556-0777\CADD\ps5G-N001_puttyhill.dgn

BY: bdonoway