PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A HAZARD IDENTIFICATION BEACON IN THE CONCRETE MEDIAN OF MD 26 AND ROCKDALE TERRACE IN BALTIMORE COUNTY.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDAL SCOTT, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2841
MR. DANIAL WITT, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 321-2821
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761
MS. SUENETTE POPE, UTILITY ENGINEER
PHONE: (410) 321-2841
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

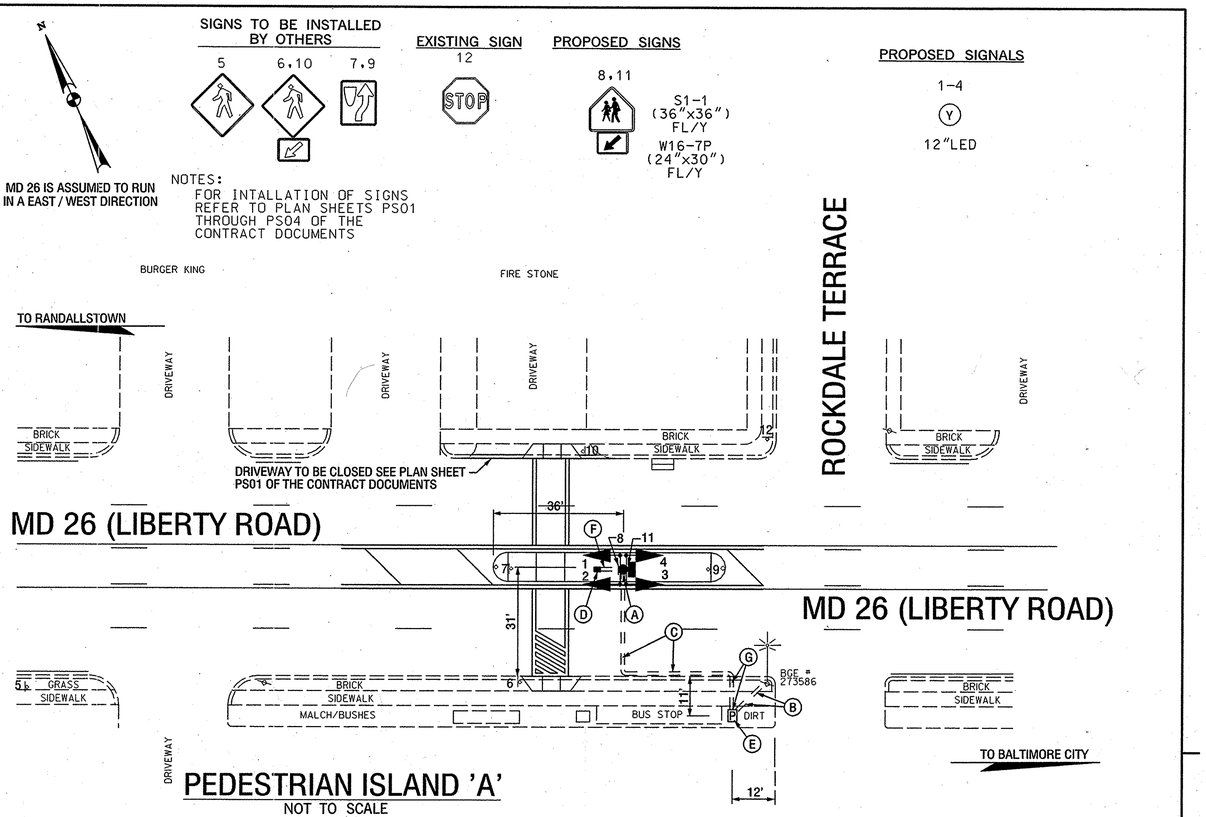
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	SHEET ALUMINUM POLE MOUNTED SIGNS CONSISTING OF:	SF	28
	S1-1(36"X36") POLE MOUNT	EA	2
	W16-7P (24"x30") POLE MOUNT	EA	2
971040	TWO CIRCUIT FLASHER AND CABINET - POLE MOUNT	EA	1

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

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
210026	REMOVAL OF EXISTING SIDEWALK	CY	17
655105	5 INCH CONCRETE SIDEWALK	SF	60
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	1
802501	No. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	100
802502	No. 4 AWG STRANDED BARE COPPER GROUND WIRE	LF	10
805125	2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	35
805140	4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	20
805145	2 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED	LF	70
807202	METER SERVICE PEDESTAL	EA	1
810022	CABLE - 1 CONDUCTOR, No. 8 AWG-THHN/THWN	LF	140
811001	F&I ELECTRICAL HANDHOLE	EA	1
813015	INSTALL OVERHEAD SIGN	SF	28
818010	14 FOOT BREAKAWAY PEDESTAL POLE	EA	1
821003	BREAKAWAY BASE SUPPORT FOR SIGNAL STRUCTURES	EA	1
834001	CONNECTOR KIT TYPE I	EA	2
837001	GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH	EA	4
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	4
861106	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)	LF	70
871040	INSTALL TWO CIRCUIT FLASHER AND CABINET - POLE MOUNT	EA	1



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, POLE MOUNTED SIZE "G" CABINET, TRAFFIC SIGNAL HEADS AND SIGNS. (NOTE: TWO 2 IN. PVC SCHEDULE 80 CONDUIT BEND).

B. REMOVE CONCRETE SIDEWALK INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE, THEN REPLACE SIDEWALK WITH NEW 5 IN. CONCRETE SIDEWALK.

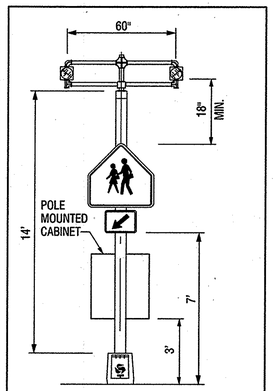
C. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

D. INSTALL HANDHOLE.

E. INSTALL 100 AMP METER SERVICE PEDESTAL.

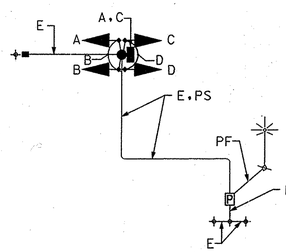
F. PRIOR TO THE INSTALLATION OF THE CONCRETE MEDIAN AND AFTER THE CLASS II EXCAVATION THE CONTRACTOR SHALL INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

G. REMOVE CONCRETE SIDEWALK, INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, THEN REPLACE THE SIDEWALK WITH 5 IN. CONCRETE SIDEWALK.



TYPICAL H.I.B.
NOT TO SCALE

WIRING DIAGRAM



KEY

A, B, C, D } 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
E } 1 CONDUCTOR NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
F } 1 CONDUCTOR NO. 4 AWG STRANDED BARE COPPER GROUND WIRE
PS } POWER SERVICE UNDERGROUND 2-WIRE, 1 CONDUCTOR (NO. 8 AWG)
PF } PROPOSED UNDERGROUND FEED BY OTHERS
F GROUND ROD

NOTE:
CONNECTOR KIT TYPE I FOR SERVICE CABLES - 2 EACH IN POLE BASE.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. 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 EQUIPMENT.
4. FOR INSTALLATION OF ADA RAMPS, CROSSWALK STRIPING AND CONCRETE MEDIAN ISLANDS REFER TO PLAN SHEETS PS01 THROUGH PS04 OF THE CONTRACT DOCUMENTS.

TCD 1

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD STORM DRAIN
G GAS MAIN
W WATER MAIN
SAN SEWER MAIN
E ELECTRIC CABLES
A AERIAL CABLES
T TELEPHONE CABLES
FO FIBER-OPTIC

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

APPROVALS	
TEAM LEADER	12-12-05
ASST. DIV. CHIEF	
DIVISION CHIEF	12/12/05
OFFICE DIRECTOR	12/15

REVISIONS

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

MD 26 (LIBERTY ROAD) AT ROCKDALE TERRACE (H.I.B)

BALTIMORE, MARYLAND

TRAFFIC CONTROL DEVICE

SCALE NONE DATE 11/2005 CONTRACT NO. BA4845176
DESIGNED BY S. SMITH COUNTY BALTIMORE
DRAWN BY S. SMITH LOGMILE 03026007.68
CHECKED BY S. RENZI T.I.M.S. NO. G503
F.A.P. NO. N/A TOD NO. N/A
DRAWING NO. TS-4403 SHEET NO. OF

PLOTTED: THURSDAY, DECEMBER 08, 2005 AT 08:18 AM
FILE: R:\2003\04 BCS 2003-04B\TASK 4\DWG\HIBS\PSG-P003-M26.DGN

BY:JHARTMAN