

**PROJECT DESCRIPTION
GENERAL**

THIS PROJECT INVOLVES THE INSTALLATION OF A HAZARD IDENTIFICATION BEACON IN THE CONCRETE MEDIAN OF MD 26 AT WOODMORE SHOPPING CENTER IN BALTIMORE COUNTY.

H.I.B. OPERATION

A TWO CIRCUIT FLASHER UNIT HOUSED IN A POLE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE YELLOW TRAFFIC SIGNAL HEADS MOUNTED AT THE TOP OF THE PEDESTAL POLE SHALL FLASH ALTERNATELY AT ALL TIMES. PEDESTRIAN CROSSING SIGNS (W11A-2) AND DIRECTIONAL ARROW SIGNS (W16-7P) SHALL BE FLORESCENT YELLOW AND BLACK. THESE SIGNS SHALL BE PLACED ON THE PEDESTAL POLE FOR BOTH EAST AND WESTBOUND APPROACHES ALONG MD 26.

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. RANDAL WITTE, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 321-2841
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

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	SHEET ALUMINUM POLE MOUNTED SIGNS CONSISTING OF: W11-2(36"x36") POLE MOUNT W16-7P(24"x12") POLE MOUNT	SF EA EA	13 2 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	2
655105	5 INCH CONCRETE SIDEWALK	SF	20
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	1
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	255
802502	NO. 4 AWG STRANDED BARE COPPER GROUND WIRE	LF	10
805125	2 INCH SCHED. 80 RIGID PVC CONDUIT-TRENCHED	LF	15
805140	4 INCH SCHED. 80 RIGID PVC CONDUIT-TRENCHED	LF	40
805145	2 INCH SCHED. 80 RIGID PVC CONDUIT-SLOTTED	LF	40
805155	4 INCH SCHED. 80 RIGID PVC CONDUIT-SLOTTED	LF	240
807202	METERED SERVICE PEDESTAL	EA	1
810022	ELECTRICAL CABLE 1-CONDUCTOR, NO. 8 AWG-THHN/THWN	LF	135
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	1
813015	INSTALL OVERHEAD SIGN	SF	13
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 INCH DIA. X 10 FOOT 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

- INSTALL CONCRETE FOUNDATION WITH 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, POLE MOUNTED SIZE "6" CABINET, TRAFFIC SIGNAL HEADS AND SIGNS. (NOTE: TWO 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT SERVICE - TRENCHED FOR ELECTRICAL SERVICE. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
- INSTALL HANDHOLE.
- INSTALL 100 AMP METER SERVICE PEDESTAL.
- REMOVE EXISTING SIDEWALK, INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, THEN REPLACE THE SIDEWALK WITH 5 IN. CONCRETE SIDEWALK.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- 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.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

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

GENERAL NOTES

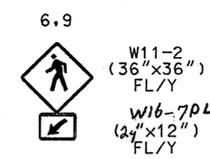
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL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

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-6664
WWW.SABRA-WANG.COM

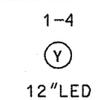
SIGNS TO BE INSTALLED BY OTHERS



PROPOSED SIGNS



PROPOSED SIGNALS

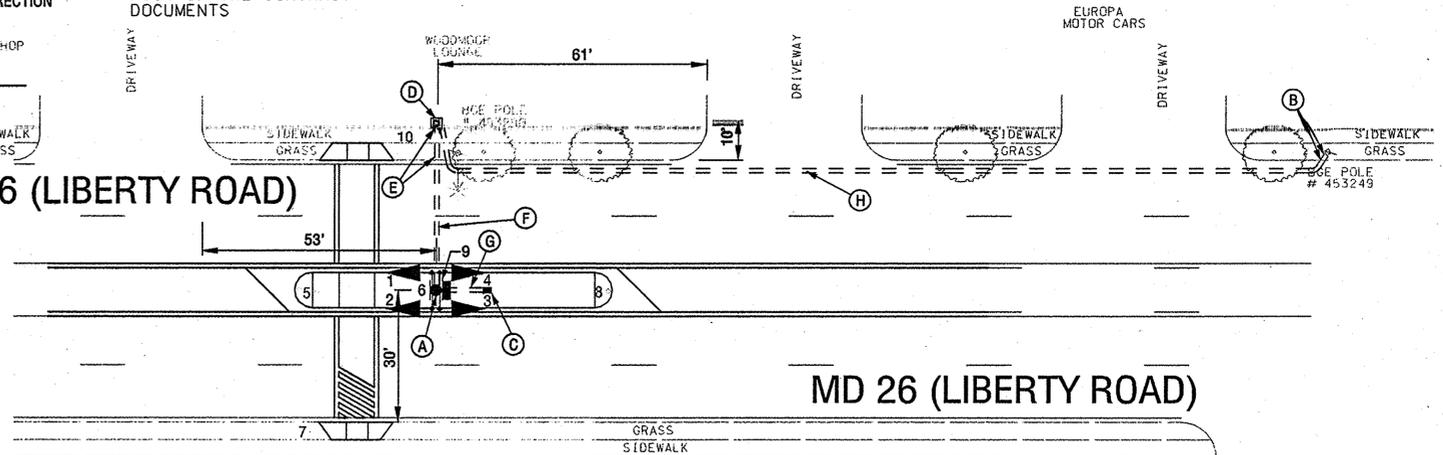


NOTE:
FOR INSTALLATION OF SIGNS SEE PLAN SHEETS PS01 THRU PS04 OF THE CONTRACT DOCUMENTS

MD 26 IS ASSUMED TO RUN IN A EAST / WEST DIRECTION

TO RANDALLSTOWN
TO BALTIMORE CITY

MD 26 (LIBERTY ROAD)

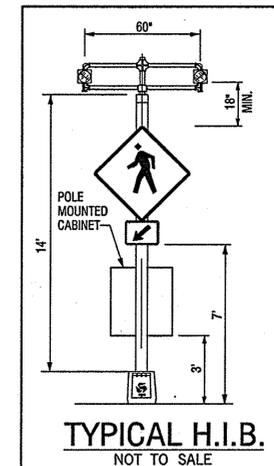
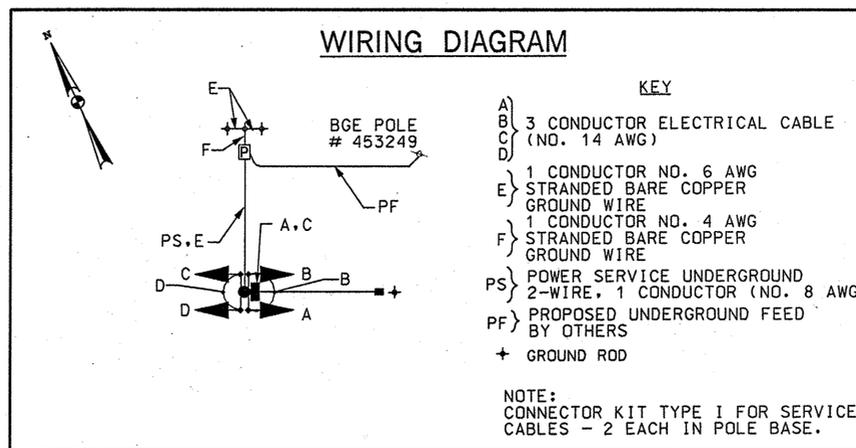


WOODMOORE SHOPPING CENTER

PEDESTRIAN ISLAND "H"

NOT TO SCALE

WIRING DIAGRAM



TCD 7

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 26 AT WOODMORE SHOPPING CENTER (H.I.B.)
BALTIMORE, MARYLAND

APPROVALS	REVISIONS	TRAFFIC CONTROL DEVICE
<p>APPROVED: [Signature] TEAM LEADER</p> <p>ASST. DIVISION CHIEF: [Signature] 6/10/05</p> <p>DIVISION CHIEF: [Signature] 6/10/05</p> <p>OFFICE DIRECTOR: [Signature]</p>		<p>SCALE NONE DATE 6/10/05 CONTRACT NO. BA4845176</p> <p>DESIGNED BY S. SMITH COUNTY BALTIMORE</p> <p>DRAWN BY S. SMITH LOGMILE 03026008.90</p> <p>CHECKED BY S. RENZI T.I.M.S. NO. G503</p> <p>F.A.P. NO. N/A TOD NO. N/A</p> <p>DRAWING NO. TS-4425 SHEET NO. OF</p>