

DRILL HOLES

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BORDER REV: DATE: June 11, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a battery backup system and meter pedestal for the existing Traffic Control signal at the intersection of Broken Land Parkway and US 29 Off Ramp in Howard County. Additionally all traffic signal heads shall be upgraded to LED traffic signal heads. Broken Land Parkway is assumed to run in an east - west direction.

II. INTERSECTION OPERATION

- 1. The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.
2. A new NEMA size "6" base-mounted cabinet with battery back-up shall be installed at this intersection.

III. SPECIAL NOTES

- 1. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

The contact persons for District #7 are as follows:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: (310) 624-8141

Mr. Ray Johnson
Assistant District Engineer - Maintenance
Phone: (310) 624-8106

Ms Andrea Abend
District Engineer - Utility
Phone: (301) 624-8110

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

The power company representative is:

Mr. Steve Schneider
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
410-859-9310

PHASE CHART

THERE IS NO PHASE CHART FOR THIS PROJECT.

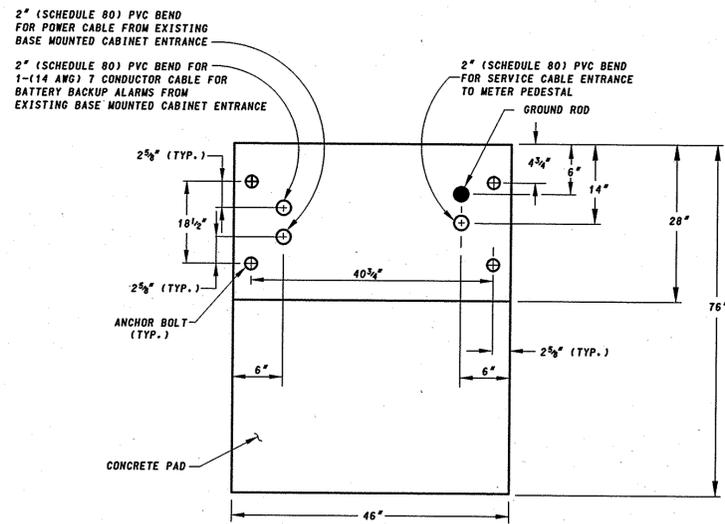
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes note: THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

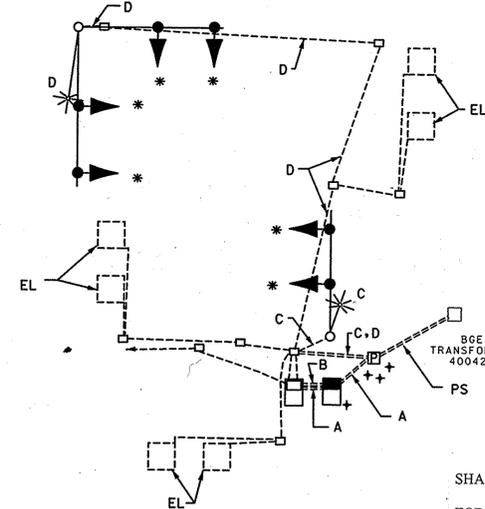
Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Lists items like Maintenance of traffic per assignment, Test Pit Excavation, LED signal head section, etc.



TYPICAL PLAN VIEW FOR BATTERY BACKUP CABINET

- NOTE:
1. ALL CONDUIT BENDS ARE SUBJECT TO CHANGE AS PER CABINET LOCATION.
2. REFER TO WIRING DIAGRAM ON THIS SHEET FOR SPECIFIC DETAILS.

WIRING DIAGRAM



WIRING KEY
A - 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
B - 7 CONDUCTOR ELECTRICAL CABLE (NO 14 A.W.G.) FOR ALARM
C } 2 CONDUCTOR TRAY
D } CABLE (NO 12 A.W.G.)
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
* - USE EXISTING CABLE
PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE
+ - GROUND ROD

SHA No.: HO407A52/CS2
BW425M84
TOD No.: AX142-05
US 29, US 40, MD 32 MD175

STREET TRAFFIC STUDIES, LTD.
400 Credit Hwy., NW,
Glen Burnie, MD 21061
Ph (410) 550-5500
Fax (410) 550-6637

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
BROKEN LAND PARKWAY AND US 29 OFF RAMP
GENERAL INFORMATION SHEET
SCALE NONE DATE 4/18/07 CONTRACT NO.
DESIGNED BY J ALLEN COUNTY 13CBRO 00.95
DRAWN BY R CICCHINI LOGMILE HOWARD
CHECKED BY TIMS NO. 1288
F.A.P. NO. TOD NO.
TS NO. DRAWING NO. 2 OF 2 SHEET NO. OF

15000 5/27/07 10:42:16 AM 15. 2007 06:14:52