DRILL HOLES

BORDER REV: DATE: June 1, 2004

NOTE:
MD 648 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION AT THIS INTERSECTION.

The contact persons for District #5 are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1003

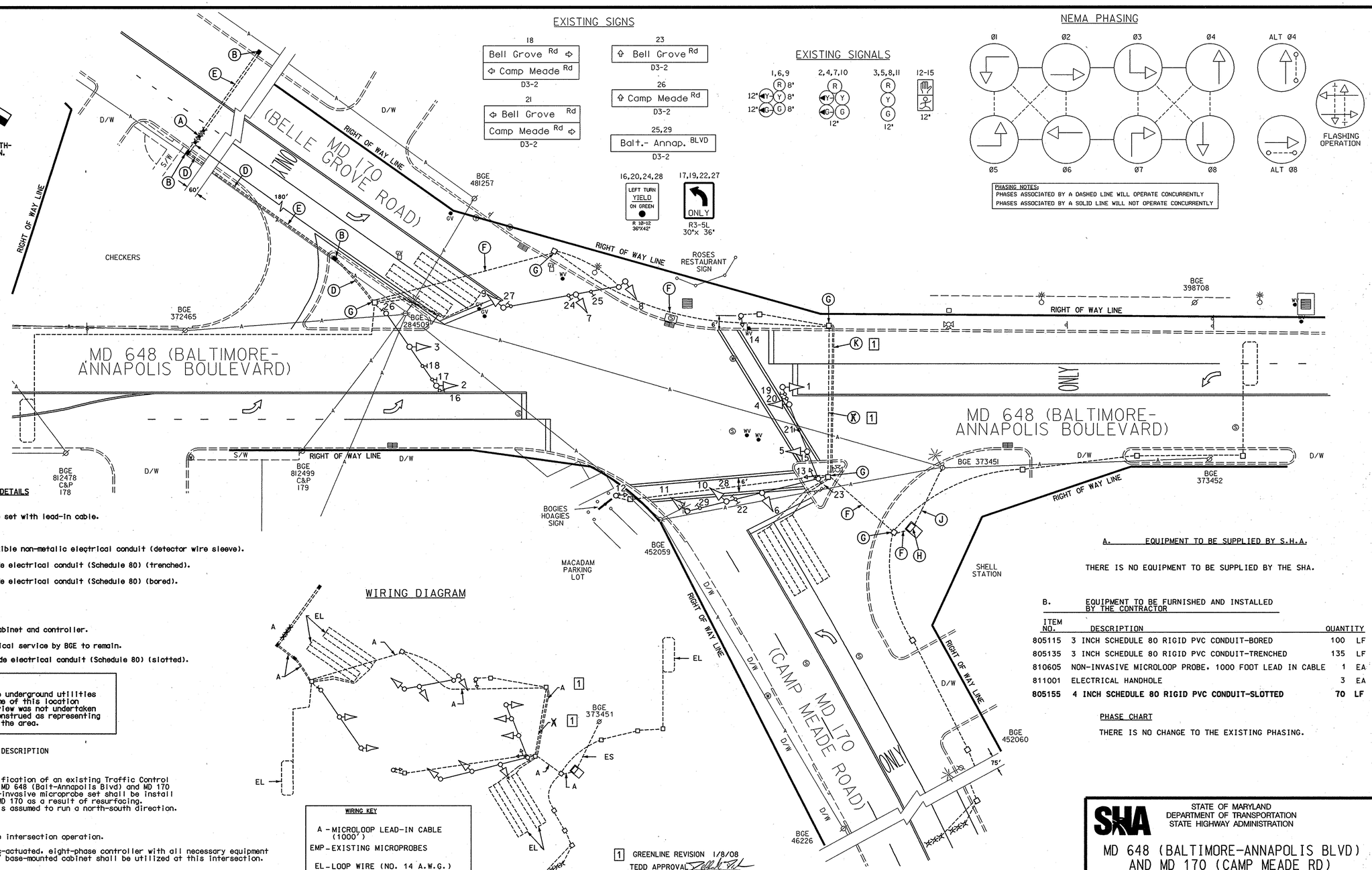
Mr. Charles George
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005

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



CONSTRUCTION DETAILS

A. Install 500' microloop probe set with lead-in cable.

B. Install handhole.

C. Install 1" liquid tight flexible non-metalic electrical conduit (detector wire sleeve).

D. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

E. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

F. Use existing conduit.

G. Use existing handhole.

H. Use existing base-mounted cabinet and controller.

J. Existing underground electrical service by BGE to remain.

[1] K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.

WIRING DIAGRAM

WIRING KEY

A - MICROLOOP LEAD-IN CABLE (1000')
EMP - EXISTING MICROPROBES
EL - LOOP WIRE (NO. 14 A.W.G.) EXISTING
ES - EXISTING UNDERGROUND SERVICE TO BE MAINTAINED BY BGE

[1] GREENLINE REVISION 1/8/08
TEDD APPROVAL

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 648 (Balt-Annapolis Blvd) and MD 170 in Anne Arundel County. A non-invasive microprobe set shall be install on the eastbound approach of MD 170 as a result of resurfacing. MD 648 (Balt-Annapolis Blvd is assumed to run a north-south direction.

II. INTERSECTION OPERATION

1. There is no change to the intersection operation.

2. 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.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.

2. 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.

3. All underground and overhead utilities shown,on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

4. Any unused cable shall be removed from the existing conduits, handholes and controller cabinet.

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

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY	
805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED	100	LF
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	135	LF
810605	NON-INVASIVE MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE	1	EA
811001	ELECTRICAL HANDHOLE	3	EA
805155	**4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED**	**70**	**LF**

PHASE CHART

THERE IS NO CHANGE TO THE EXISTING PHASING.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

REVISION 'D'

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4696.dgn D6-4

APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIV.	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

D 4-14-06 SHA No.AA3585184 REPLACE ADVANCE DETECTION ON NORTH LEG OF MD 170					
RRZ	W.M.	J.M.	MAR	DAZ	T.H.
C 12-13-99 INSTALLATION OF PED HEADS AND PUSHBUTTONS AND ADJUSTMENT TO LOOP DETECTION TO HANDLE NEW XWALKS					
RRZ	MAR			BRK	TH
B 7-27-83 ADDITION OF EP LEFT TURN ON MD 170					
TMZ	DJD	DAZ	ETP		

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 648 (BALTIMORE-ANNAPOLIS BLVD) AND MD 170 (CAMP MEADE RD)

PUMPHREY, MARYLAND

SCALE 1"= 20' DATE 5/5/76 CONTRACT NO. AA-215-501-585

DESIGNED BY D. DODA
DRAWN BY D. DODA
CHECKED BY
F.A.P. NO.

COUNTY ANNE ARUNDEL
LOGMILE 02017010.91
TIMS NO. E837
TOD NO.

TS NO. 1408D | DRAWING NO. 1 OF 1 | SHEET NO. OF

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