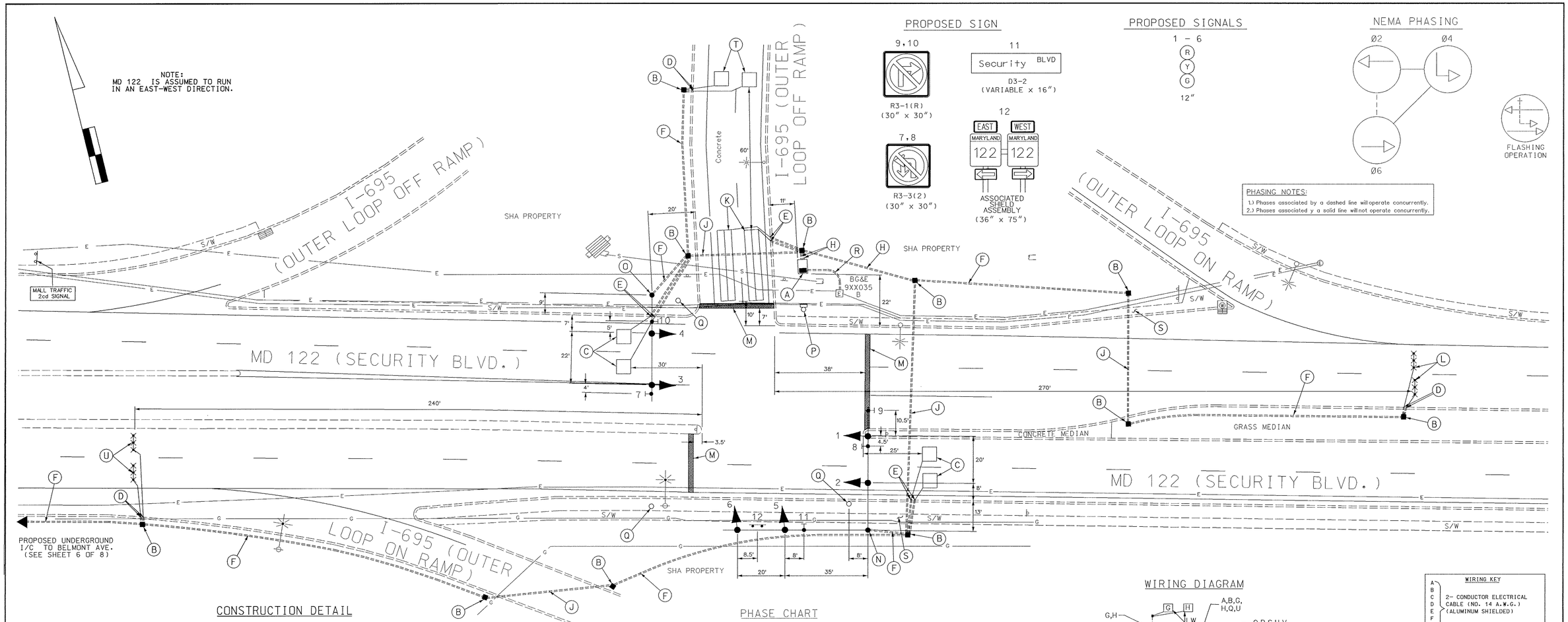


CONSTRUCTION DETAIL

A. Install NEMA size "6" base mounted cabinet and controller with all necessary equipment as shown. (Note: 2-2" and 2-4" (schedule 80) 90° PVC bends).

B. Install handhole.

C. Install 6' x 6' loop detector encased in flexible tubing (4 turns).

D. Install 1" liquid tight non-metallic flexible conduit for detector sleeve.

E. Install 1" galvanized steel electrical conduit for detector sleeve.

F. Install 3" schedule 80 rigid PVC electrical conduit - trenched.

H. Install 4" schedule 80 rigid PVC electrical conduit - trenched.

J. Install 4" schedule 80 rigid PVC electrical conduit - bored.

K. Install 6' x 30' loop detector encased in flexible tubing (quadrupole 2-4-2) in concrete surface.

L. Install mircoloop probe set with 500' lead-in.

M. Install 24" white heat applied thermoplastic pavement marking (stop line).

N. Install 27' steel pole with twin 60' x 50' mast arm and signal heads and signs, as shown. (Note: 1-3" 90° PVC bend).

O. Install 27' steel pole with 50' mast arm, signal heads and sign, as shown. (Note: 1-3" 90° PVC bend).

P. Remove existing steel pole and controller cabinet and all attached equipment. (Foundation shall be removed 12" below grade and cap and abandon existing conduit).

Q. Remove existing steel pole and all attached equipment.(Foundation shall be removed 12" below grade and cap and abandon existing conduit).

R. Install 4" schedule 80 rigid PVC electrical conduit - trenched to the base of the BG&E electrical transformer.

S. Remove existing concrete sidewalk or monolithic median and replace after the installation of the proposed signal equipment.

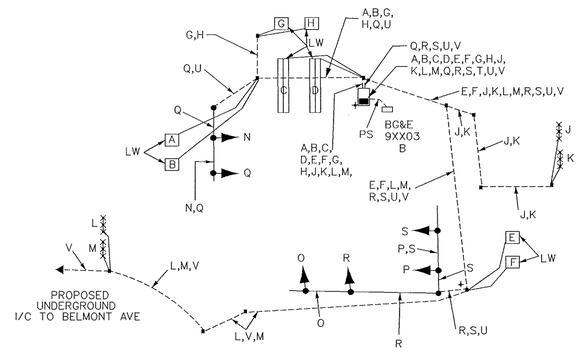
T. Install 6'x 6' loop detector encased in flexible tubing (3 turns) in concrete surface.

U. Install microloop probe set with 1000' lead-in.

PHASE CHART

1	2	3	4	5	6	
R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	
PHASE 2 & 6	G	G	G	G	R	R
2 & 6 CHANGE	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	G	G
4 CHANGE	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

- A, B, C, D, E, F, G, H — 2- CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) (ALUMINUM SHIELDED)
- J, K — MIRCOLOOP PROBE SET WITH 500 FT. LEAD-IN
- L, M — MIRCOLOOP PROBE SET WITH 1000 FT. LEAD-IN
- N, O, P — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- Q, R, S — 7-CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.)
- T — 1-CONDUCTOR (NO 4 A.W.G.) ELECTRICAL CABLE-THHN/THWN
- U — NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
- V — 12 PAIR COMMUNICATION CABLE JELLYFILLED (UNDERGROUND)
- LW — LOOP WIRE (NO. 14 A.W.G.)
- PS — PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BG&E
- ✦ — GROUND ROD

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

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 this plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceeded by a thorough identification of all existing utilities.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
4. The loop detectors and conduit shall be installed prior to the installation of the pavement markings.
5. The R4-7 "KEEP RIGHT" and R5-1 "DO NOT ENTER" signs and the street lighting are existing.

REVISION 'C'

STREET TRAFFIC STUDIES, LTD.®
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-5637

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REVISIONS		
C	9/4/00	RED LINE REVISION TO SHA No. XX1005885
B	4/4/00	RECONSTRUCT ADD I/C AND SAMPLING S.H.A. XX1005885
EMM		
A	August 4, 1994	CUT NEW LOOPS DUE TO THE WIDENING AT BELMONT AVE. S.H.A. NO: BM 757-802-412

APPROVALS

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 122 @ I-695 (OUTER-LOOP RAMP)

DRAWN BY:	A.B.	F.A.P. NO.		TS NO. 4029C	SHEET NO. 4 OF 8
CHECKED BY:	EMM, RRZ	S.H.A. NO.	XX1005885		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. D670	
DATE:	2/15/00	LOG MILE:	03012200.47		

SEP 05 2000