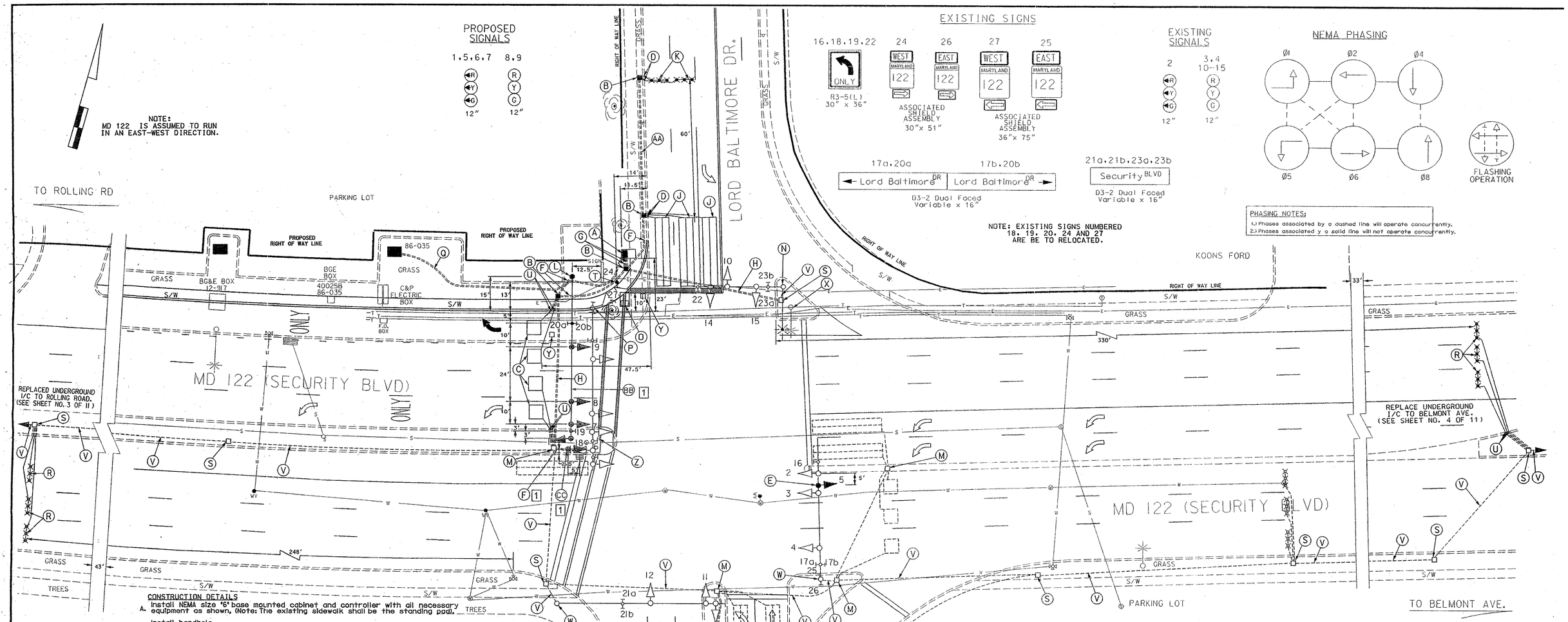

CONSTRUCTION DETAILS

A. Install NEMA size "6" base mounted cabinet and controller with all necessary equipment as shown. (Note: The existing sidewalk shall be the standing pad).
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 traffic signal head to existing mast arm as shown.
F. Install 3" (Schedule 80) PVC electrical conduit (trenched).
G. Install 4" (Schedule 80) PVC electrical conduit (trenched).
H. Install 4" (Schedule 80) PVC electrical conduit (bored).
J. Install 6' x 30' loop detector encased in flexible tubing (quadrupole 3-6-3).
K. Install microloop probe set with 500' lead-in.
L. Install 27' steel pole with 70' mast arm, signal heads, and the relocated signs as shown. (Note: 1-3" 90° PVC bend).
M. Use existing handhole and re-wire proposed 2-conductor (alum. shld.) to existing loop wire. (See Wiring Diagram).
N. Use 27' steel pole with 38' mast arm, signal heads and signs. Install 15' lighting arm with 250 watt HPS luminaire as shown.
O. Remove base mounted cabinet and controller and all attached equipment. (Foundation shall be removed 12" below grade). Cap and abandon existing conduit.
P. Remove existing steel pole and all attached equipment. (Foundation shall be removed 12" below grade). Cap and abandon existing conduit. Signs are to be relocated.
Q. Install 4" (Schedule 80) PVC electrical conduit (trenched for electrical service.)
R. Install microloop probe set with 1000' lead-in.
S. Use existing handhole.
T. Relocate route assembly sign, remove from mast arm pole mounted. Install to two- wood sign post (4" x 6" drilled).
U. Install 1" galvanized steel electrical conduit for detector sleeve.
V. Use existing conduit.
W. Use existing pole.
X. Existing lighting arm and structure to be removed by BGE, see sheet 9 of 11.
Y. Remove existing handhole, cap and abandon conduit.
Z. Relocate the "R4-7", post -mounted sign behind pedestrian path, (Sheet 6 of 11).
AA. Install 2" (Schedule 80) PVC electrical conduit (trenched).

[1] BB. Relocate signal heads and signs on mast arm as dimensioned.
[1] CC. Install 10' pedestal pole with signal head and R3-5 sign mounted on the pedestal pole. (Note: 1-3" 90° PVC bend)

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 through identification of all existing utilities. The contractor shall also verify the location of all proposed geometrics prior to installing signal equipment. If the contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the contractor shall notify the Project Manager immediately so that the conflict may be resolved.
3. The Wiring Diagram is located on the General Information Sheet No. 11 of 11).
4. All pavement markings that are proposed shall be indentified on the Pavement Marking, Sheet No. 8 of 11.
5. The loop detectors and conduit shall be installed prior to the installation of the pavement markings.
6. The Contractors should maintain communication prior and during the construction of the signal modification. All proposed signal equipment shall be installed to final grade
7. The R4-7 "KEEP RIGHT" signs and the street lighting are existing. The existing equipment in the northwest quadrant shall be modified. (Sheets 6 and 9 of 11).

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—

[1] REDLINE REVISION 6/30/03

REVISION "D"

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

4040B.dgn TASK 28

REVISIONS		APPROVALS
E 6-18-03 RED LINE REVISION. ADD PEDESTAL MOUNTED SIGNAL IN MEDIAN SHA NO. BA7255176	RRZ	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
D 4-1-02 REVISED DUE TO GEO. ADD LANE. NEW CABINET SHA NO. BA7255176	EMM	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
C 9-4-00 RED LINE REVISION TO SHA No. XX1005885	EMM	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
B 4-4-00 RECONSTRUCTED ADD 1/C + SAMPLING SHA No. XX1005885	EMM	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 122 AND LORD BALTIMORE DR.

DRAWN BY:	ANGELUS BULLOCK	F.A.P. NO.	03012200.15	TS NO. 4027E	SHEET NO.
CHECKED BY:	EMM / RRZ	S.H.A. NO.			
SCALE:	3-10-2000	COUNTY:	BALTIMORE	T.I.M.S. NO. E545	12 OF 23
DATE:	1"=20'	LOG MILE:	XX1005885		