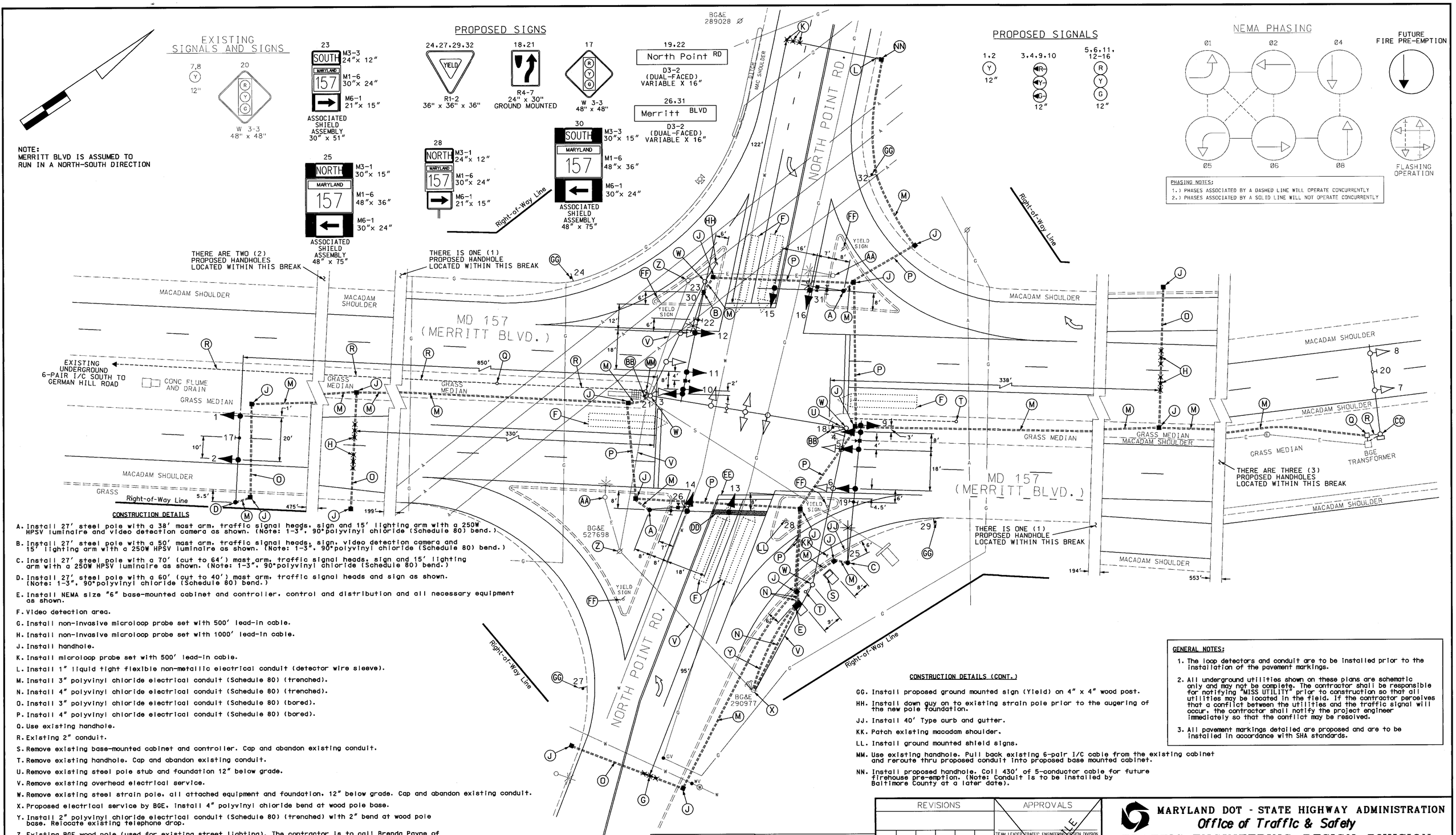

CONSTRUCTION DETAILS

A. Install 27' steel pole with a 38' mast arm, traffic signal heads, sign and 15' lighting arm with a 250W HPSV luminaire and video detection camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with a 50' mast arm, traffic signal heads, sign, video detection camera and 15' lighting arm with a 250W HPSV luminaire as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

C. Install 27' steel pole with a 70' (cut to 64') mast arm, traffic signal heads, sign and 15' lighting arm with a 250W HPSV luminaire as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 27' steel pole with a 60' (cut to 40') mast arm, traffic signal heads and sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base-mounted cabinet and controller, control and distribution and all necessary equipment as shown.

F. Video detection area.

G. Install non-invasive microloop probe set with 500' lead-in cable.

H. Install non-invasive microloop probe set with 1000' lead-in cable.

J. Install handhole.

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

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

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

N. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

P. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

Q. Use existing handhole.

R. Existing 2" conduit.

S. Remove existing base-mounted cabinet and controller. Cap and abandon existing conduit.

T. Remove existing handhole. Cap and abandon existing conduit.

U. Remove existing steel pole stub and foundation 12" below grade.

V. Remove existing overhead electrical service.

W. Remove existing steel strain pole, all attached equipment and foundation, 12" below grade. Cap and abandon existing conduit.

X. Proposed electrical service by BGE. Install 4" polyvinyl chloride bend at wood pole base.

Y. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 2" bend at wood pole base. Relocate existing telephone drop.

Z. Existing BGE wood pole (used for existing street lighting). The contractor is to call Brenda Payne of Baltimore County at 410-887-3554 to arrange for removal.

AA. Existing lighting pole to be removed by others. The contractor is to call Brenda Payne of Baltimore County at 410-887-3554 to arrange for removal.

BB. Install R4-7 sign at a 15° angle on 4"x 4" wood pole.

CC. Existing 21' steel pole with 40' mast arm traffic signals and signs.

DD. Install 24" white heat applied permanent preformed thermoplastic pavement marking (stopline).

EE. Remove existing 24" white stopline.

FF. Remove existing ground mounted sign (Yield) on 4"x4" wood pole.

CONSTRUCTION DETAILS (CONT.)

GG. Install proposed ground mounted sign (Yield) on 4" x 4" wood post.

HH. Install down guy on to existing strain pole prior to the augering of the new pole foundation.

JJ. Install 40' Type curb and gutter.

KK. Patch existing macadam shoulder.

LL. Install ground mounted shield signs.

MM. Use existing handhole. Pull back existing 6-pair I/C cable from the existing cabinet and reroute thru proposed conduit into proposed base mounted cabinet.

NN. Install proposed handhole. Coil 430' of 5-conductor cable for future firehouse pre-emption. (Note: Conduit is to be installed by Baltimore County at a later date).

GENERAL NOTES:

1. The loop detectors and conduit are to be installed prior to the installation of the pavement markings.
2. All underground 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.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.

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 "A"

STREET TRAFFIC STUDIES, LTD.
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Ph (410) 590-5500
Fax (410) 590-6637

4012.dgn TASK-20

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A 11-13-01 REBUILD TRAFFIC SIGNAL SHA NO.: XX1065385 RRZ	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 157 (MERRITT BLVD.) AND NORTH POINT ROAD

DRAWN BY:	F HOECKEL	F.A.P. NO.	BA 766 A53 B53	TS NO. 4146	SHEET NO.
CHECKED BY:		S.H.A. NO.			
SCALE:	1"= 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. E-777	1 OF 2
DATE:	1-14-87	LOG MILE:	03B02001.91		

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