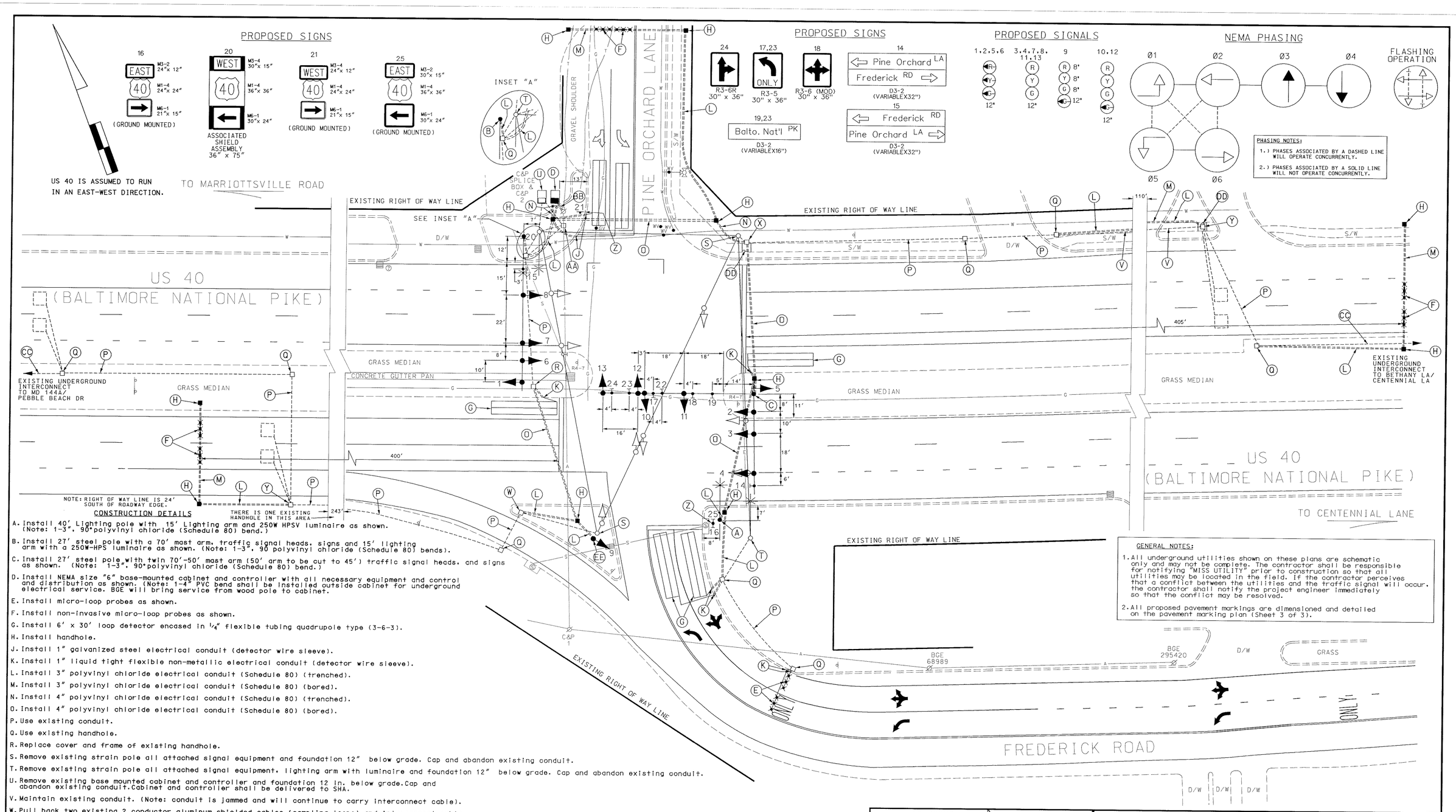

CONSTRUCTION DETAILS

A. Install 40' Lighting pole with 15' Lighting arm and 250W HPSV luminaire as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with a 70' mast arm, traffic signal heads, signs and 15' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90 polyvinyl chloride (Schedule 80) bends).

C. Install 27' steel pole with twin 70'-50' mast arm (50' arm to be cut to 45') traffic signal heads, and signs as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment and control and distribution as shown. (Note: 1-4" PVC bend shall be installed outside cabinet for underground electrical service. BGE will bring service from wood pole to cabinet.

E. Install micro-loop probes as shown.

F. Install non-invasive micro-loop probes as shown.

G. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).

H. Install handhole.

J. Install 1" galvanized steel electrical conduit (detector wire sleeve).

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

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

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

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

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

P. Use existing conduit.

Q. Use existing handhole.

R. Replace cover and frame of existing handhole.

S. Remove existing strain pole all attached signal equipment and foundation 12" below grade. Cap and abandon existing conduit.

T. Remove existing strain pole all attached signal equipment, lighting arm with luminaire and foundation 12" below grade. Cap and abandon existing conduit.

U. Remove existing base mounted cabinet and controller and foundation 12 in. below grade.Cap and abandon existing conduit.Cabinet and controller shall be delivered to SHA.

V. Maintain existing conduit. (Note: conduit is jammed and will continue to carry interconnect cable).

W. Pull back two existing 2 conductor aluminum shielded cables (sampling loops) and interconnect cable from existing controller to this handhole and reroute through new conduit into the proposed controller.

X. Pull back existing interconnect cable to this handhole and reroute through new conduit to proposed controller.

Y. Use existing handhole. Disconnect existing loops.

Z. Install ground mounted sign as shown.

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

BB. Underground electrical service to be installed by BGE.

CC. Existing conduit with interconnect cable.

DD. Remove existing sidewalk and replace after the installation of the proposed signal equipment.

EE. Install 14' pedestal pole with breakaway transformer base and traffic signal head as shown. (Note: 1-3", 90° PVC (Schedule 80) bend).

GENERAL NOTES:

1. 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.

2. All proposed pavement markings are dimensioned and detailed on the pavement marking plan (Sheet 3 of 3).

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

STREET TRAFFIC STUDIES, LTD.
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REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

(A) 2-19-02
RECONSTRUCT USING MAST ARMS
SHA NO.: XX1065585
R.R.Z.

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

US 40 @ FREDERICK RD/ PINE ORCHARD LN

DRAWN BY: S.T./R.Z. (FOR S.T.S.)	F.A.P. NO. HS LM 54 HS LM 254	TS NO. 2196-A	SHEET NO.
CHECKED BY: D. DODA	S.H.A. NO.		
SCALE: 1"= 20'	COUNTY: HOWARD	T.I.M.S. NO. E772	1 OF 3
DATE: 5-14-86	LOG MILE: 13004015.93		