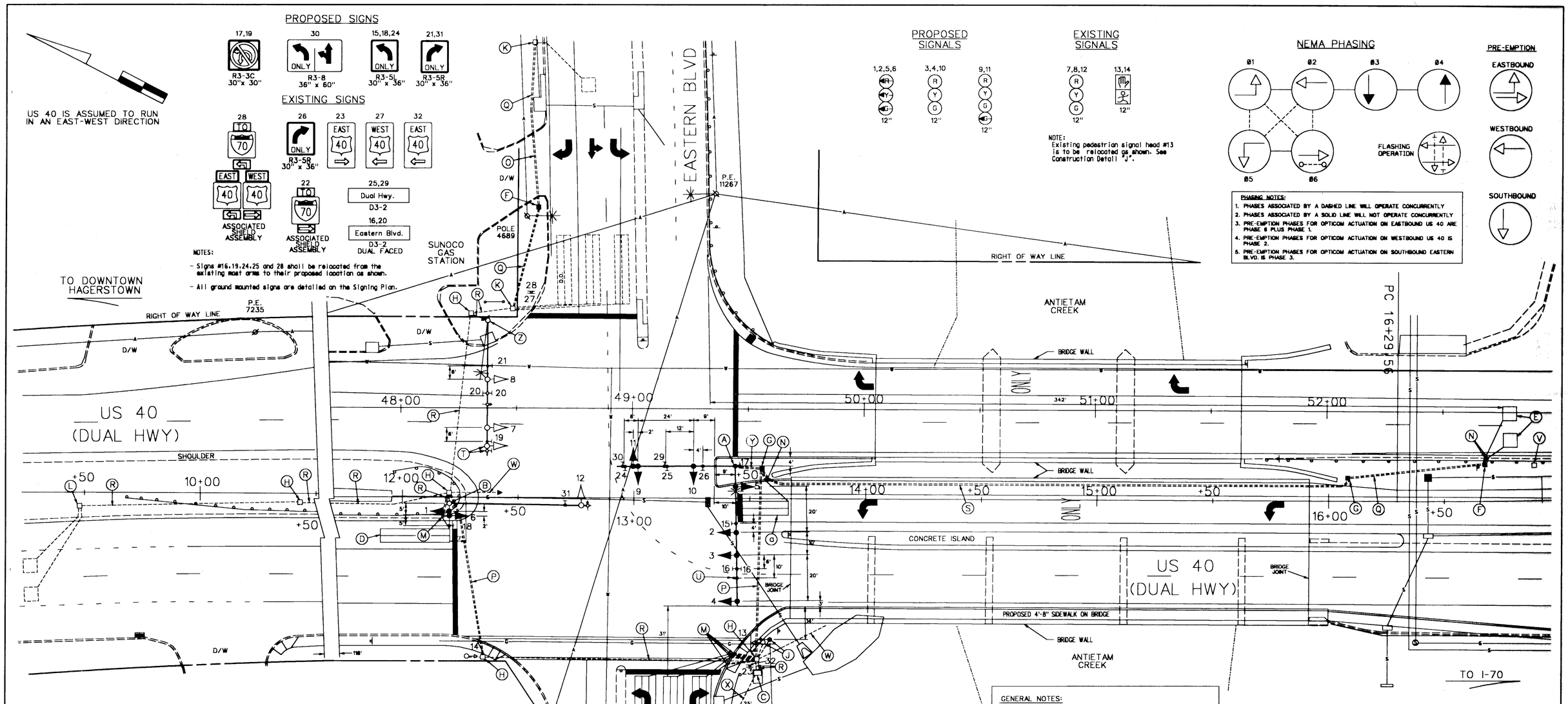

CONSTRUCTION DETAILS

A. Install 27' steel pole with twin 50'-60' mast arms, traffic signal heads, signs and 10' lighting arm with a 250W-HPS luminaire. (Note: 1-3", 90 degree polyvinyl chloride (Schedule 80) bend.)

B. Install proposed 10' mast arm, traffic signal heads and sign onto the existing steel pole as shown. Rewire existing traffic signal head and opticom detector eye. (See Wiring Diagram.)

C. Use existing base-mounted cabinet.

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

E. Install 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).

F. Install handhole.

G. Install handhole with 4" conduit stub to be connected to one of the two 4" conduits installed within the bridge.

H. Use existing handhole.

J. Relocate existing pedestal pole and all attached equipment as shown.

K. Use existing handhole for installation of proposed conduit. Existing loop wire is to be spliced into proposed 2-conductor electrical cable (No. 14 A.W.G.) (aluminum shielded).

L. Use existing handhole. Existing loop wire to be spliced into proposed 2-conductor electrical cable (No. 14 A.W.G.) (aluminum shielded). Reset existing lid on handhole.

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

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

O. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (bored).

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

Q. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

R. Use existing conduit.

S. Two (2) proposed 4" polyvinyl chloride electrical (Schedule 80) conduits to be installed by others under the bridgedeck.

T. Remove existing traffic signal head and sign.

U. Relocate opticom detector eye from the existing mast arm to the proposed mast arm as shown.

V. Remove handhole. (Cap and abandon attached conduit.)

W. Cap and abandon existing conduit.

X. Existing underground electrical service to be maintained by Potomac Edison Company.

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

Z. Install proposed opticom detector eye and signs on existing pole and mast arm as shown. Rewire existing traffic signal heads, opticom detector eye and lighting arm with luminaire. (See Wiring Diagram.)

a. Install 6' x 22' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).

GENERAL NOTES:

1. All proposed pavement markings are detailed on the pavement marking plan.
2. "D.O." indicates a delay-output loop detector.
3. This is a revision to the original signal built in 1988 under Contract No. W-850-451-671.
4. Pavement markings are not to be installed until loop detectors and conduit installations are completed.
5. Refer to the General Information Sheet for additional details related to the removal of existing traffic signal equipment.

SIGNALIZATION PLAN

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 "C"

STREET TRAFFIC STUDIES, LTD.
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REVISIONS

C	9-2-98	MODIFY SIGNAL DUE TO GEOMETRIC CHANGES, SPLIT SIDE STREET SHA NO.: WA9455176
B	8-94	INSTALL EXCLUS. L.T. E/B & W/B U.S. 40, & E/P L.T. N/B & S/B EASTERN BLVD
A	8-94	AS BUILT

APPROVALS
ASST. CHIEF TEDD SECHMAN
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
US 40 AND EASTERN BOULEVARD

DRAWN BY: K. HUGHES	COUNTY: WASHINGTON	TS NO. 2438C	SHEET NO.
CHECK BY: J. KLIMOVITCH	LOG MILE: 21004037.77		
DATE: 4/12/88	F.A.P. NO.	T.I.M.S. NO.	62 OF 71
SCALE: 1" = 20'	S.H.A. NO. W-850-451-671		