SIGNALS

1,3,4, 7,8 — 12"
2 — 8"
5,6,9, 10,12,14 — 12"
11,13 — 12"
15,16 — 12"
31-34 — Opticom Detector

SIGNS

17,18,21, 25,28,29 — R 3-5(L) 30" x 36"
24,27,30 — R 3-5(R) 30" x 36"
20,22 — R 3-3b 30" x 30"
19,23 — Eastern Blvd — D 3-2 16" x Var. (Dual Faced)
26 — Dual Hwy — D 3-2 16" x Var. (Dual Faced)

Note: Signal heads 4-7,9-13,15,16, Signs 19,20,22-27 and, Opticom Detectors 31-33 are existing.

Signal heads 1-3,8,14 and Signs 18,21,29,30 are proposed.

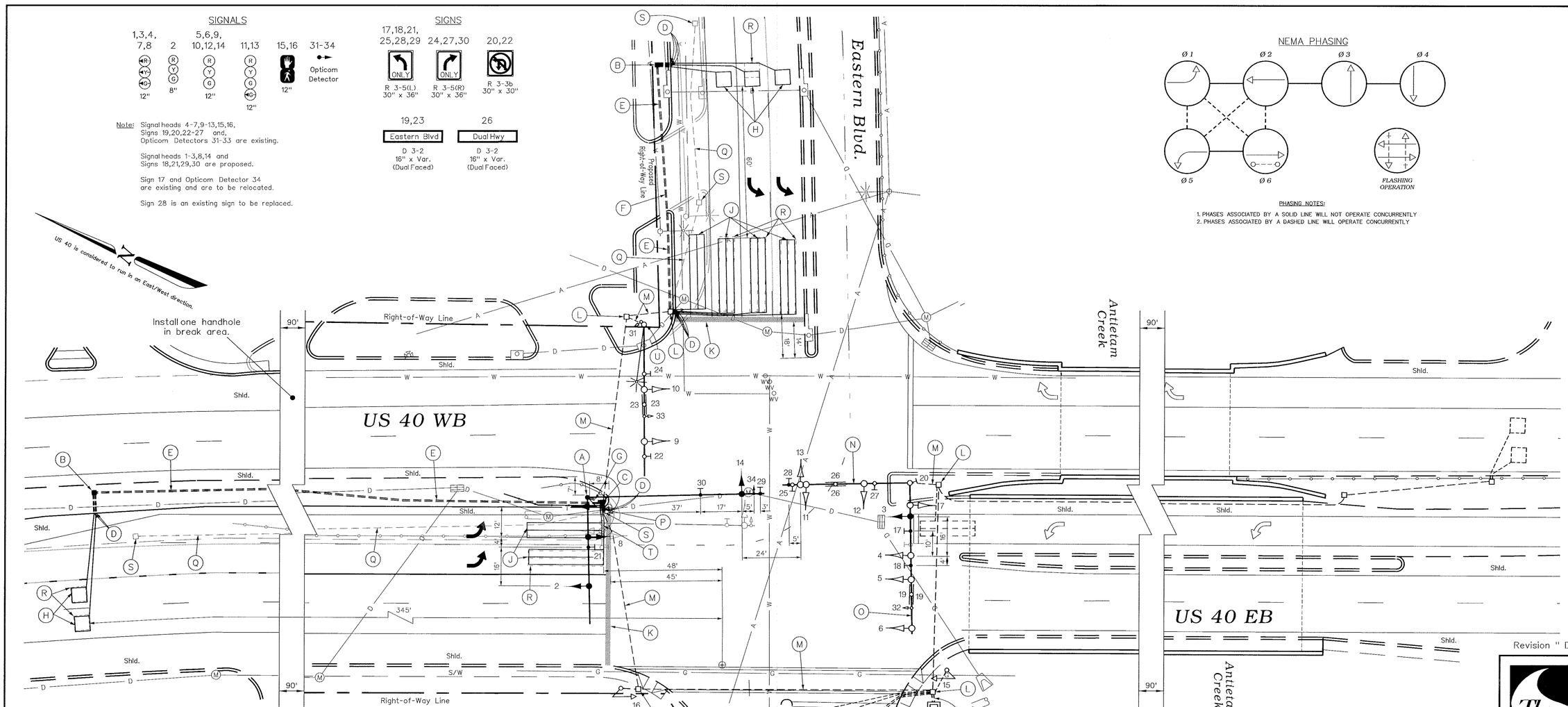
Sign 17 and Opticom Detector 34 are existing and are to be relocated.

Sign 28 is an existing sign to be replaced.

NEMA PHASING

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



Revision " D "

CONSTRUCTION DETAILS

A. Install 27 ft. steel twin mast arm pole with 50 ft. and 70 ft. mast arms, vehicle signal heads, and signs as shown (Note: one 3 in. PVC conduit bend).

B. Install handhole.

C. Install handhole on existing conduit run.

D. Install 1 in. liquid tight flexible conduit for loop detector lead-in.

E. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

H. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).

J. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).

K. Install 24 in. wide pavement marking - white for stop line.

L. Use existing handhole.

M. Use existing conduit run.

N. Use existing mast arm. Relpace existing sign as shown.

O. Use existing mast arm. Install/relocate existing signal head and signs as shown.

P. Extend existing 4 in. conduit to new handhole.

Q. Cap and abandon existing conduit run.

R. Abandon existing loop detector.

S. Remove existing handhole.

T. Remove existing steel pole and all attached equipment.

U. Use existing steel pole, mast arm, and all attached equipment. Disconnect existing signal, street light, and opticom detector wires. Pull back to existing handhole in median and re-run in new conduit back to existing equipment.

V. Use exisitng cabinet/controller. Install one additional 4-channel rack mounted loop detector.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal equipment shall be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Signal Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'D' is a revision to the traffic signal built in April, 1988 under S.H.A. Contract No.: W-850-451-671.
5. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies 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 equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
D — STORM DRAIN
A — AERIAL CABLES
T — TELEPHONE CABLES

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SIGPLAN1.DGN

REVISIONS	
D	July 9, 1999 — Modify due to new geometrics. S.H.A. No.:BW996M82
C	Sept. 2, 1998 — Modify due to new geometrics. Add Split Phase. S.H.A. No.:WA9455176

RRZ

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER - TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

(Traffic Signal Plan)

US 40 at Eastern Blvd.

DATE: April 12, 1988 — LOG MILE • 21004037.77

DRAWN BY:	K. Hughes	F.A.P. NO.	N/A	PLAN SHEET NO.:	SHEET NO.
CHK. BY:	J. Klimovitch	S.H.A. NO.	W-850-451-671	2438-D	1 of 1
SCALE:	1" = 20'	COUNTY:	WASHINGTON		

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