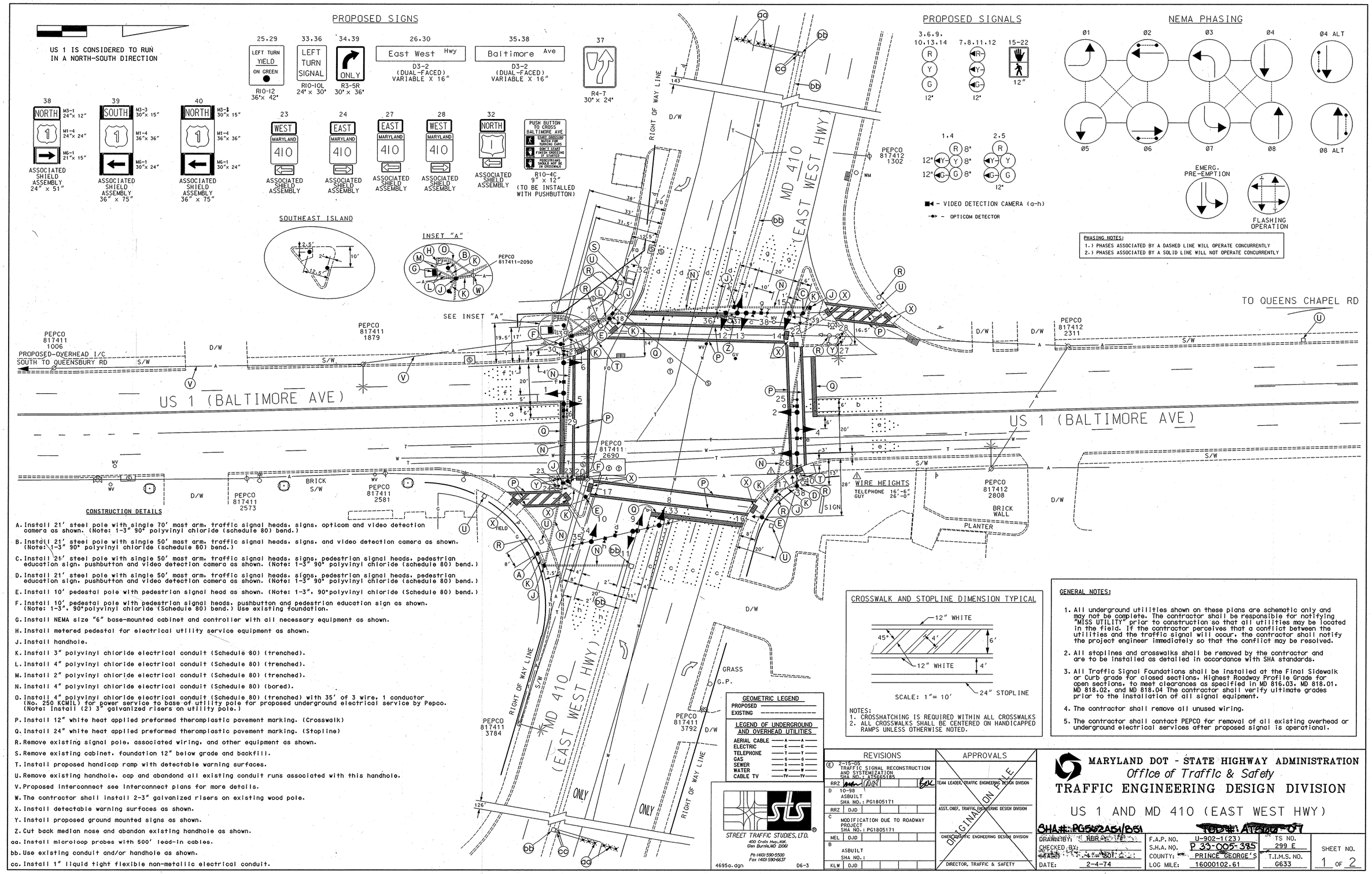

CONSTRUCTION DETAILS

A. Install 21' steel pole with single 70' mast arm, traffic signal heads, signs, opticom and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

B. Install 21' steel pole with single 50' mast arm, traffic signal heads, signs, and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

C. Install 21' steel pole with single 50' mast arm, traffic signal heads, signs, pedestrian signal heads, pedestrian education sign, pushbutton and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

D. Install 21' steel pole with single 50' mast arm, traffic signal heads, signs, pedestrian signal heads, pedestrian education sign, pushbutton and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

E. Install 10' pedestal pole with pedestrian signal head as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

F. Install 10' pedestal pole with pedestrian signal heads, pushbutton and pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.) Use existing foundation.

G. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

H. Install metered pedestal for electrical utility service equipment as shown.

J. Install handhole.

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

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

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

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

O. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of 3 wire, 1 conductor (No. 250 KCMIL) for power service to base of utility pole for proposed underground electrical service by Pepco. (Note: Install (2) 3" galvanized risers on utility pole.)

P. Install 12" white heat applied preformed theromplastic pavement marking. (Crosswalk)

Q. Install 24" white heat applied preformed theromplastic pavement marking. (Stopline)

R. Remove existing signal pole, associated wiring, and other equipment as shown.

S. Remove existing cabinet, foundation 12" below grade and backfill.

T. Install proposed handicap ramp with detectable warning surfaces.

U. Remove existing handhole, cap and abandond all existing conduit runs associated with this handhole.

V. Proposed interconnect see interconnect plans for more details.

W. The contractor shall install 2-3" galvanized risers on existing wood pole.

X. Install detectable warning surfaces as shown.

Y. Install proposed ground mounted signs as shown.

Z. Cut back median nose and abandon existing handhole as shown.

aa. Install microloop probes with 500' lead-in cables.

bb. Use existing conduit and/or handhole as shown.

cc. Install 1" liquid tight flexible non-metallic electrical conduit.

CROSSWALK AND STOPLINE DIMENSION TYPICAL

NOTES:
1. CROSSHATCHING IS REQUIRED WITHIN ALL CROSSWALKS
2. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.

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 stoplines and crosswalks shall be removed by the contractor and are to be installed as detailed in accordance with SHA standards.
3. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. The contractor shall remove all unused wiring.
5. The contractor shall contact PEPCO for removal of all existing overhead or underground electrical services after proposed signal is operational.

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 —

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REVISIONS				APPROVALS
(E) 2-15-05 TRAFFIC SIGNAL RECONSTRUCTION AND SYSTEMIZATION SHA NO.: AT5665185				TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
RRZ		DJD		
D 10-98 ASBUILT SHA NO.: PG1805171				ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
RRZ	DJD			
C MODIFICATION DUE TO ROADWAY PROJECT SHA NO.: PG1805171				CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
MEL	DJD			
B ASBUILT SHA NO.:				DIRECTOR, TRAFFIC & SAFETY
KLW	DJD			

ORIGINAL ON FILE

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

US 1 AND MD 410 (EAST WEST HWY)

SHA#: PG502A51/D51 TED#: AT520-07

DRAWN BY: RBR	F.A.P. NO. U-902-1(23)	TS NO. 299 E	SHEET NO. 1 OF 2
CHECKED BY:	S.H.A. NO. P 33-005-385		
SCALE: 1"=20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. 6633	
DATE: 2-4-74	LOG MILE: 16000102.61		

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