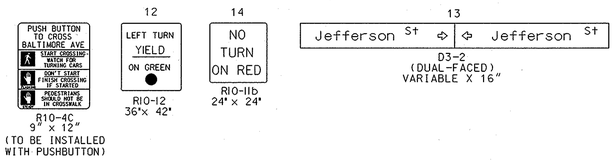
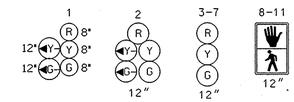
US 1 IS CONSIDERED TO RUN
IN A NORTH-SOUTH DIRECTION

## PROPOSED SIGNS

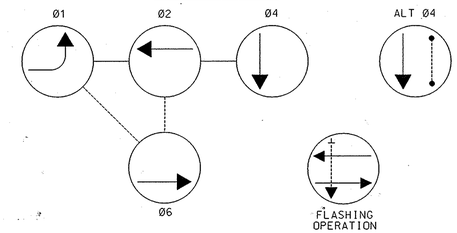



## PROPOSED SIGNALS

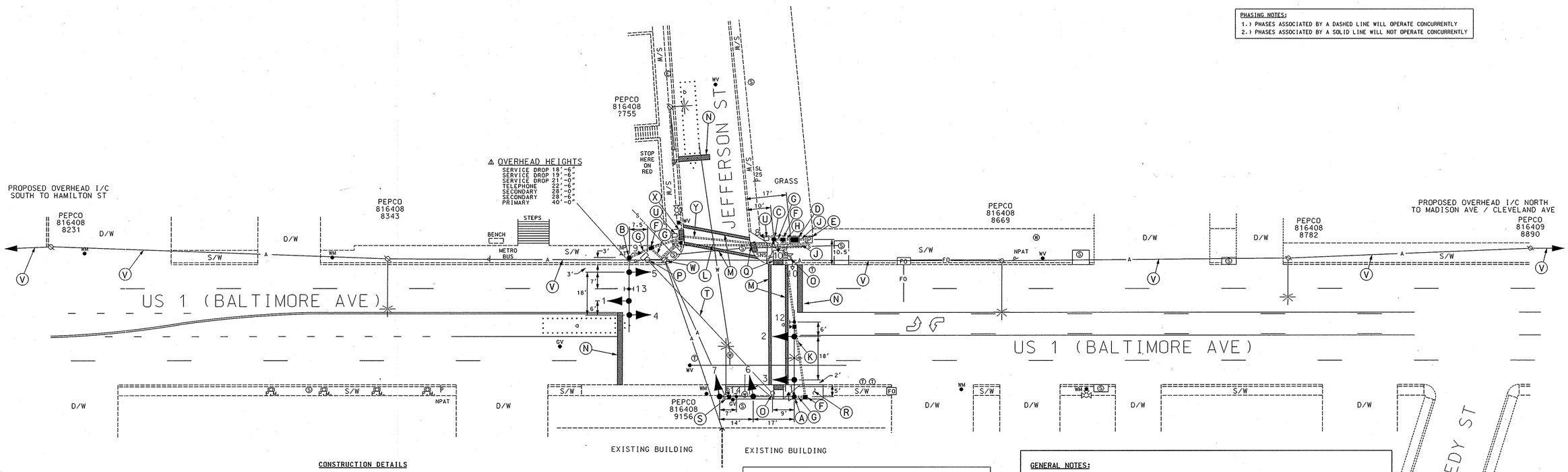



■◄ - VIDEO DETECTION CAMERA o.b

## NEMA PHASING




PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY




## CONSTRUCTION DETAILS

A. Install 18' steel pole with special 15' "T" dimension twin 50' mast arms. (Cut mast arm curb side to 30', 35' for mast arm across US 1) pedestrian signal head, pushbutton, sign, 250 watt HPS lamp and luminaire on 15' lighting arm, traffic signal heads, and signs, and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

B. Install 16' steel pole with special 15' "T" dimension with single 50' mast arm (Cut to 35'), traffic signal heads, sign, pedestrian signal head, and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

C. Install 10' pedestal pole with pedestrian signal heads, pushbutton and pedestrian education sign 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 as shown.

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

F. Install handhole.

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

H. Install (2) 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

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

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

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

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

P. Remove existing signal pole and pole mounted cabinet, foundation 12" below grade and backfill.

Q. Install proposed handicap ramp with detectable warning surfaces.

R. Install proposed handicap ramp with detectable waring surfaces. Remove and replace 40' of curb and gutter and sidewalk beginning at PEPCO pole 816408-9156.

S. PEPCO shall remove pole (816408-9156) with lunminaire and overhead service span with signal wiring as shown.

T. Remove overhead span with signal wiring as shown.

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

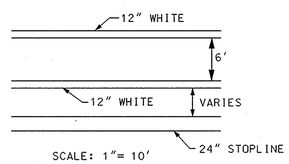
V. Proposed interconnect see interconnect plans for more details.

W. The contractor shall install 2-3" galvanized riser on existing wood pole. (Note: One riser for power and one riser of interconnect).

X. Install detectable warning surfaces in existing ramp as shown.

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

## CROSSWALK AND STOPLINE DIMENSION TYPICAL




NOTES:
1. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.

## GENERAL NOTES:

1. The conduit is 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.
4. 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.
5. The contractor shall remove all unused wiring.
6. The contractor shall contact PEPCO for the 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—

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637
4695e.dgn D6-3

| REVISIONS | |
|---|---|
| A | 2-15-05 TRAFFIC SIGNAL RECONSTRUCTION AND SYSTEMIZATION SHA NO.: A15565185 |

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
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 1 AND JEFFERSON STREET

DRAWN BY: [illegible]
CHECKED BY:
SCALE: 1"= 20'
DATE:

F.A.P. NO.
S.H.A. NO.
COUNTY: PRINCE GEORGE'S
LOG MILE: 16000101.97
T.S. NO. 4616A
T.I.M.S. NO. 0633
SHEET NO. 1 OF 2

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