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

PROPOSED SIGNS

11.12

Hamilton St ⇨ | ⇦ Hamilton St

D3-2
(DUAL-FACED)
VARIABLE X 16"

15

NO TURN ON RED

R10-11b
24" x 24"

PUSH BUTTON TO CROSS BALTIMORE AVE
START CROSSING
WATCH FOR TURNING CARS
DON'T START
FINISH CROSSING IF STARTED
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

R10-4C
9" x 12"
(TO BE INSTALLED WITH PUSHBUTTON)

PROPOSED SIGNALS

1-6: R, Y, G — 12"

7-10 — 12"

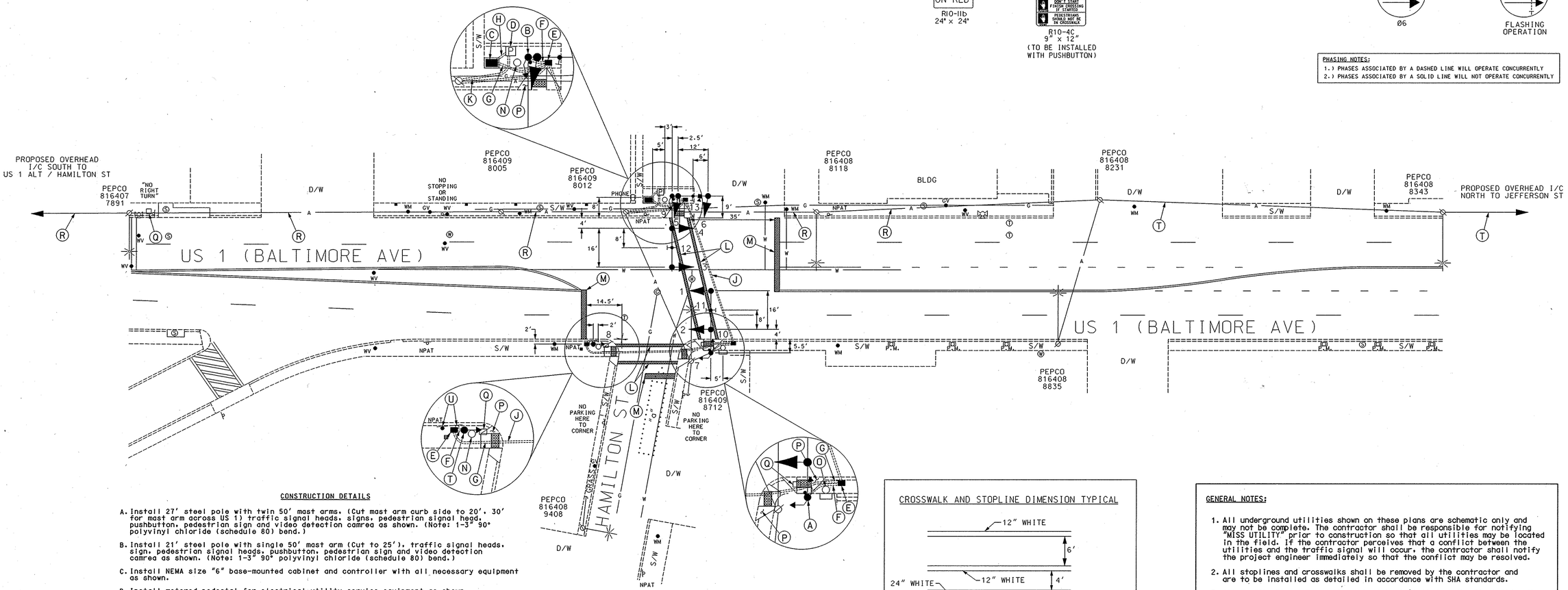
VIDEO DETECTION CAMERA "a"

NEMA PHASING

Ø2, Ø4, Ø4 ALT, Ø6

FLASHING OPERATION

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 27' steel pole with twin 50' mast arms. (Cut mast arm curb side to 20', 30' for mast arm across US 1) traffic signal heads, signs, pedestrian signal head, pushbutton, pedestrian sign and video detection camrea as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

B. Install 21' steel pole with single 50' mast arm (Cut to 25'), traffic signal heads, sign, pedestrian signal heads, pushbutton, pedestrian sign and video detection camrea as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

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

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

E. Install handhole.

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

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

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

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

K. 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.

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

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

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

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

P. Install proposed handicap ramp with detectable warning surfaces as shown.

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

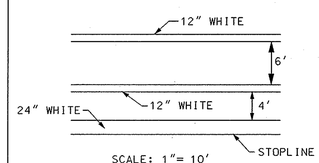
R. Proposed interconnect. (See interconnect plans for more details.)

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

T. Remove existing post and install pedestal pole with pedestrian signal head. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

U. Remove and relocate existing ground mounted (NPAT) signs to new location as shown.

CROSSWALK AND STOPLINE DIMENSION TYPICAL



SCALE: 1"= 10'

NOTES:
1. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.
2. STOPLINE DIMENSION TYPICAL IS FOR HAMILTON STREET ONLY.

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
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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

4695f.dgn D6-3

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY
4 2-15-05 TRAFFIC SIGNAL RECONSTRUCTION AND SYSTEMIZATION SHA NO.: A7565185 RRZ	

ORIGINAL ON FILE

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

US 1 AND HAMILTON STREET

DRAWN BY:		F.A.P. NO.		
CHECKED BY:		S.H.A. NO.	4377A	SHEET NO.
SCALE:	1"= 20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. G633
DATE:	11-10-04	LOG MILE:	16000101.88	1 OF 2

...\4000's\4695\4695f\4695f.dgn Feb. 15, 2005 10:47:17