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

PROPOSED SIGNS

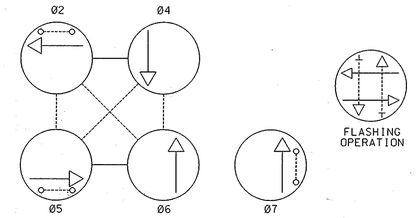
15
Madison St
D3-2
(DUAL-FACED)
VARIABLE X 16"

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)

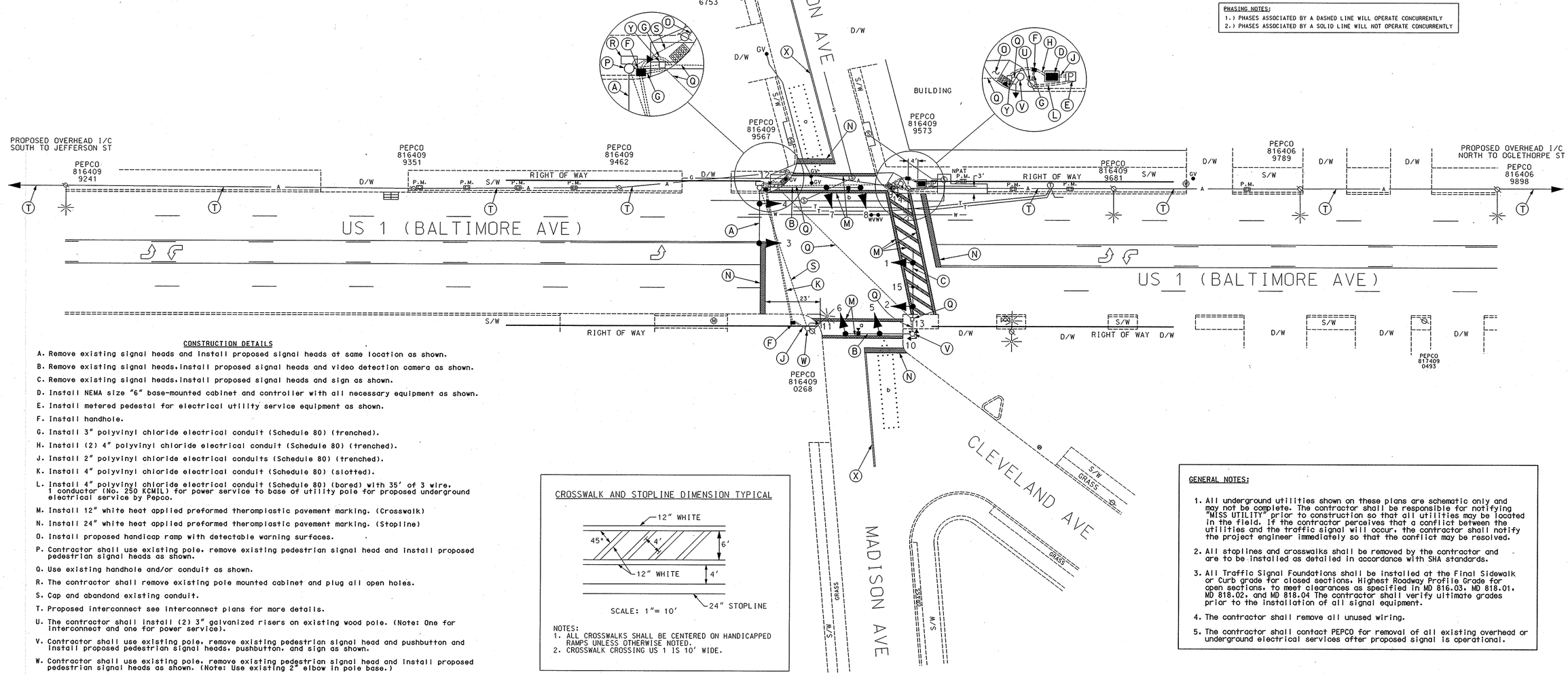
PROPOSED SIGNALS

1-8: R, Y, G — 12"
9-14: 12"
■◄ - VIDEO DETECTION CAMERA (a,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. Remove existing signal heads and install proposed signal heads at same location as shown.
B. Remove existing signal heads, install proposed signal heads and video detection camera as shown.
C. Remove existing signal heads, install proposed signal heads and sign as shown.
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 conduits (Schedule 80) (trenched).
K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored) 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. Install proposed handicap ramp with detectable warning surfaces.
P. Contractor shall use existing pole, remove existing pedestrian signal head and install proposed pedestrian signal heads as shown.
Q. Use existing handhole and/or conduit as shown.
R. The contractor shall remove existing pole mounted cabinet and plug all open holes.
S. Cap and abandond existing conduit.
T. Proposed interconnect see interconnect plans for more details.
U. The contractor shall install (2) 3" galvanized risers on existing wood pole. (Note: One for interconnect and one for power service).
V. Contractor shall use existing pole, remove existing pedestrian signal head and pushbutton and install proposed pedestrian signal heads, pushbutton, and sign as shown.
W. Contractor shall use existing pole, remove existing pedestrian signal head and install proposed pedestrian signal heads as shown. (Note: Use existing 2" elbow in pole base.)
X. Install 5" yellow (centerline) heat applied permanent preformed Thermoplastic pavement marking.
Y. Remove existing handhole and extend existing conduit to proposed handhole as shown.

CROSSWALK AND STOPLINE DIMENSION TYPICAL

SCALE: 1"= 10'

NOTES:
1. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.
2. CROSSWALK CROSSING US 1 IS 10' WIDE.

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—
FIBER OPTIC	—FO—FO—
GAS	—G—G—
SEWER	—S—S—
WATER	—W—W—
CABLE TV	—TV—TV—

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REVISIONS	
C	2-15-05 INSTALL NEW CABINET & REPLACE SIGNAL HEADS SHA NO.: AT5665185 RRZ
B	3-13-97 AS BUILT SHA NO.: 859-16673 RRZ
A	DATE UNKNOWN ADD I/C SHA NO.

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 MADISON AVE / CLEVELAND AVE

DRAWN BY:	F.A.P. NO.	TS NO. 1124 C	SHEET NO. 1 OF 2
CHECKED BY:	S.H.A. NO. 859-16673		
SCALE: 1"=20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. G633	
DATE:	LOG MILE: 16000102.18		

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