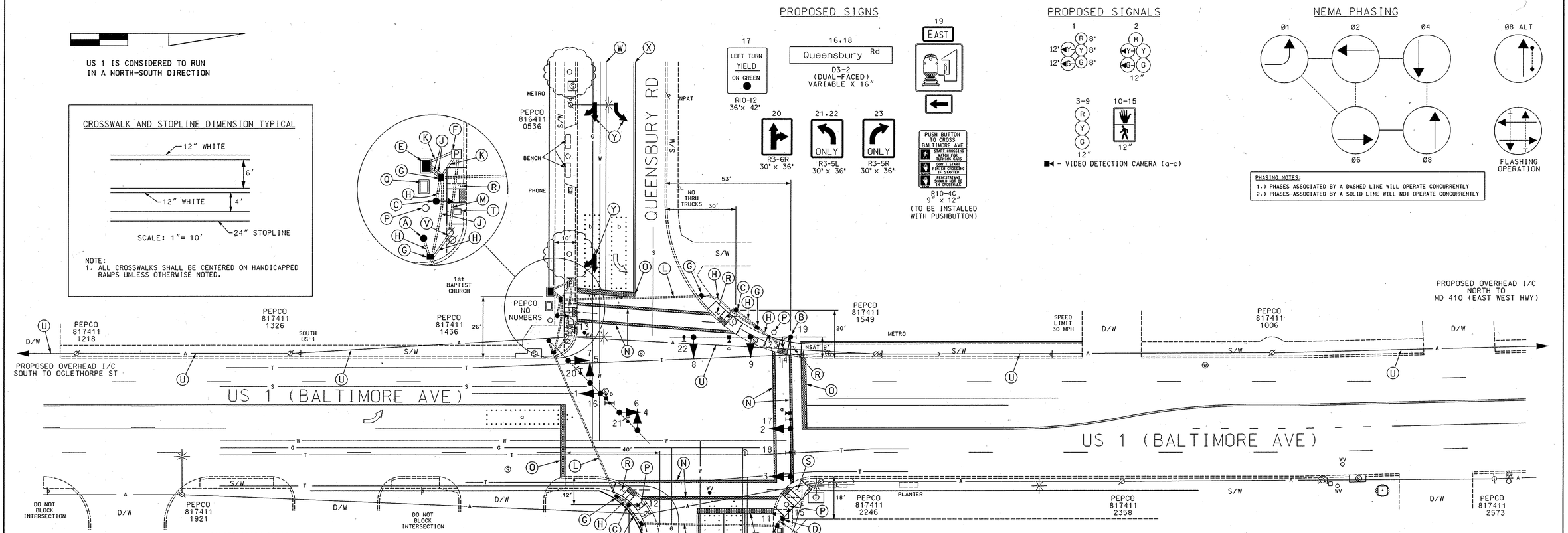
US 1 IS CONSIDERED TO RUN
IN A NORTH-SOUTH DIRECTION

CROSSWALK AND STOPLINE DIMENSION TYPICAL

SCALE: 1"= 10'

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



PROPOSED SIGNS

PROPOSED SIGNALS

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 16' steel pole with a special 15' "T" dimension single 60' mast arm, traffic signal heads, signs, and video detection camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.) (Note: Contractor shall remove and replace existing brick as shown.)

B. Install 16' steel pole with a special 15' "T" dimension twin 50'/60' mast arms, traffic signal heads, pedestrian signal head, signs pushbutton, pedestrian education sign and video detection camera as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

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

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

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

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

G. Install handhole.

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

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

K. Install 2" polyvinyl chloride electrical conduits (Schedule 80) (trenched).

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

M. 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.

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

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

P. Remove existing strain pole, associated wiring, and other equipment as shown.

Q. Remove existing controller , cabinet and backfill 12" below grade.

R. Install proposed handicap ramp with detectable warning surfaces.

S. Contractor shall remove and replace existing brick after proposed handicap ramp with detectable warning surfaces is installed. (Note: Contractor shall also close existing ramps with proposed curb and gutter.)

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

U. Proposed interconnect see interconnect plans for more details.

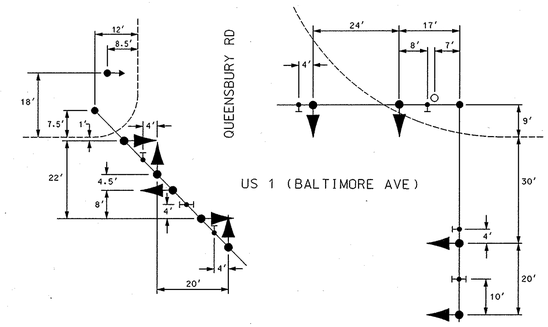
V. The contractor shall install (2) 3" galvanized risers on existing wood pole. (Note: One for interconnect and one for power service).

W. Install 5" white heat applied permanent preformed thermoplastic pavement marking.

X. Install 5" yellow heat applied permanent preformed thermoplastic pavement marking.

Y. Install white heat applied preformed thermoplastic pavement marking arrows.

SIGNAL POLE & HEAD DIMENSIONS



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 —

REVISION "B"

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REVISIONS

B 2-15-05 TRAFFIC SIGNAL RECONSTRUCTION AND SYSTEMIZATION
SHA NO.: AT5665185
RRZ BRL
A Reconstruct Traffic Signal
SHA

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 QUEENSBURY ROAD

DRAWN BY: T MANK	F.A.P. NO. U-902-1(23)	TS NO. 551 B	SHEET NO. 1 OF 2
CHECKED BY:	S.H.A. NO. P 323-005-385		
SCALE: 1"= 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. 0633	
DATE:	LOG MILE: 16000102.52		

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