Alt. US 1 is considered to run in a North/South direction.

PROPOSED SIGNS

18,21 — R 3-6(L) 30" x 36"

19,22 — R 3-5(R) 30" x 36"

28 — R 4-7 24" x 30"

20 — M-95-1 72" x 24" Black Letters on White Background

23 — M-95-1 72" x 24" Black Letters on White Background

29,30 — W 3-3 36" x 36" Black on Flourescent Yellow background.

17a — Commerce Dr.

17b — Commerce Dr.

D-3(1) 16" x Var. (Dual Face)

R10-4(1) Mod. 9" x 12" — 25, 26 Wal*Mart Entrance

R10-4(1) Mod. 9" x 12" — 27, 28 Alt. US 1 (Washington Blvd.)

PROPOSED SIGNALS

1,4 — 12"/8" L.E.D.

2,5 — 12" L.E.D.

3, 6,9,12 — 12" L.E.D.

7,10 — 12"/8" L.E.D.

8,11 — 12" L.E.D.

13-16 — 16"

a-d — Video Detector Camera

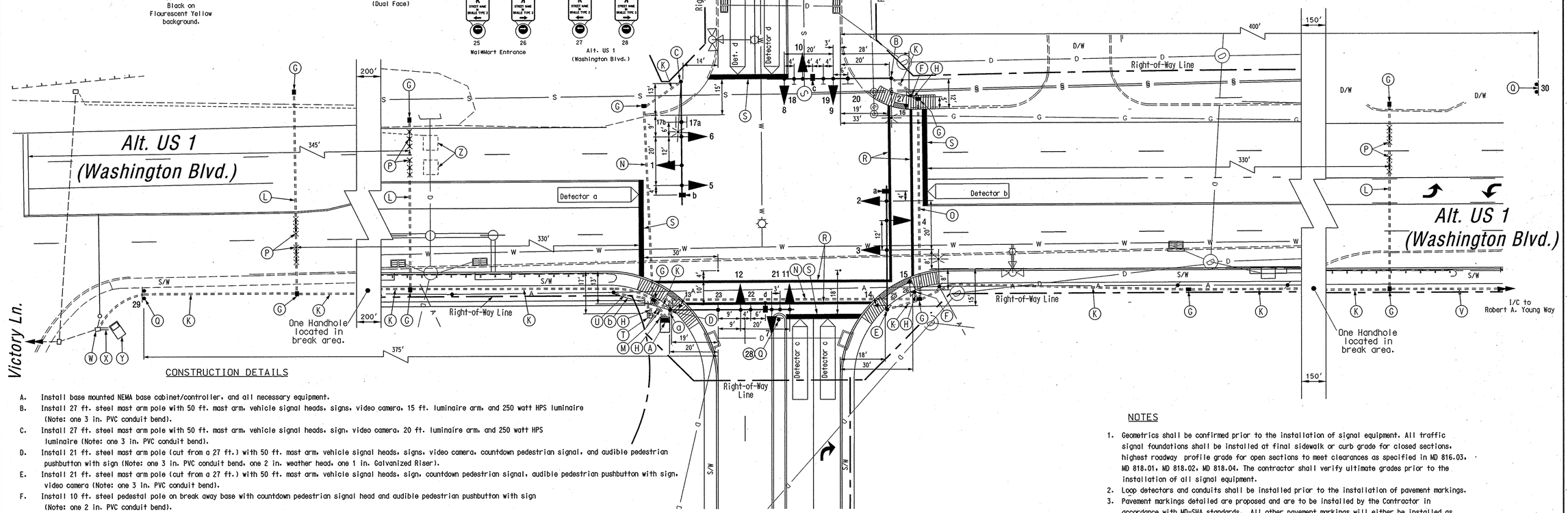
PROPOSED NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

Alt. Ø3

FLASHING OPERATION

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.



CONSTRUCTION DETAILS

A. Install base mounted NEMA base cabinet/controller, and all necessary equipment.
B. Install 27 ft. steel mast arm pole with 50 ft. mast arm, vehicle signal heads, signs, video camera, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with 50 ft. mast arm, vehicle signal heads, sign, video camera, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 21 ft. steel mast arm pole (cut from a 27 ft.) with 50 ft. mast arm, vehicle signal heads, signs, video camera, countdown pedestrian signal, and audible pedestrian pushbutton with sign (Note: one 3 in. PVC conduit bend, one 2 in. weather head, one 1 in. Galvanized Riser).
E. Install 21 ft. steel mast arm pole (cut from a 27 ft.) with 50 ft. mast arm, vehicle signal heads, sign, countdown pedestrian signal, audible pedestrian pushbutton with sign, video camera (Note: one 3 in. PVC conduit bend).
F. Install 10 ft. steel pedestal pole on break away base with countdown pedestrian signal head and audible pedestrian pushbutton with sign (Note: one 2 in. PVC conduit bend).
G. Install handhole.
H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
N. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
O. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway due to utilities.
P. Install non-invasive micro-loop probe (set of 3).
Q. Install ground mounted sign as shown.
R. Install 12 in. wide pavement marking - white for crosswalk.
S. Install 24 in. wide pavement marking - white for stop line.
T. Install metered service pedestal for underground electrical service per MD-SHA Typical (807.05-01).
U. Proposed 4 in. conduit for an underground electrical service by BGE.
V. Conduit installed as part of the interconnect plan.
W. Use existing handhole.
X. Use existing conduit.
Y. Use existing cabinet. Connect new micro-loop probes. Disconnect and remove abandoned set-back loop detector cables.
Z. Abandon existing loop detector.
a. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched - for phone drop.
b. Proposed overhead phone service.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at 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, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies 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 equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND
EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
D — STORM DRAIN
A — AERIAL CABLES
T — TELEPHONE CABLES

The Traffic Group
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REVISIONS

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 7-26-06
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 7-26-06
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 7-26-06
DIRECTOR, TRAFFIC & SAFETY 7/27

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
Alt. US 1 (Washington Blvd.) at
Commerce Dr./ Wal*Mart South Entrance

DRAWN BY:	J. Storck	F.A.P. NO.	N/A	TS NO. 4496	SHEET NO.
CHECKED BY:		S.H.A. NO.	BW996M82		
SCALE:	1" = 20'	COUNTY:	Baltimore	T.I.M.S. NO. H147	1 OF 2
DATE:	July 18, 2006	LOG MILE:	03001AL001.96		

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