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

## PROPOSED SIGNS

21 — R 3-5(L) ONLY, 30" x 36"

22 — R 3-6(L), 30" x 36"

23 — R 3-5(R) ONLY, 30" x 36"

20 — M-95-1, 72" x 24", Black Letters on White Background (SOUTH ALT 1 NORTH)

24 — M-95-1, 72" x 24", Black Letters on White Background (NORTH ALT 1 SOUTH)

29 — R 4-7, 24" x 30"

30,31 — NEW, W 3-3, 36" x 36", Black on Flourescent Yellow background.

19a — Robert A. Young Way →

19b — ← Robert A. Young Way

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

R10-4(1) Mod. 9" x 12" — PUSH BUTTON TO CROSS SHOPPING ENTRANCE

25, 26 — Shopping Entrance

R10-4(1) Mod. 9" x 12" — PUSH BUTTON TO CROSS WASHINGTON BLVD.

27, 28 — Alt. US 1 (Washington Blvd.)

## PROPOSED SIGNALS

1,2,5,6 — 12" L.E.D.

3,4,7, 8,11,14 — 12" L.E.D.

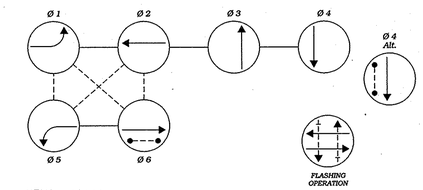
9,12 — 12"/8" L.E.D.

10,13 — 12" L.E.D.

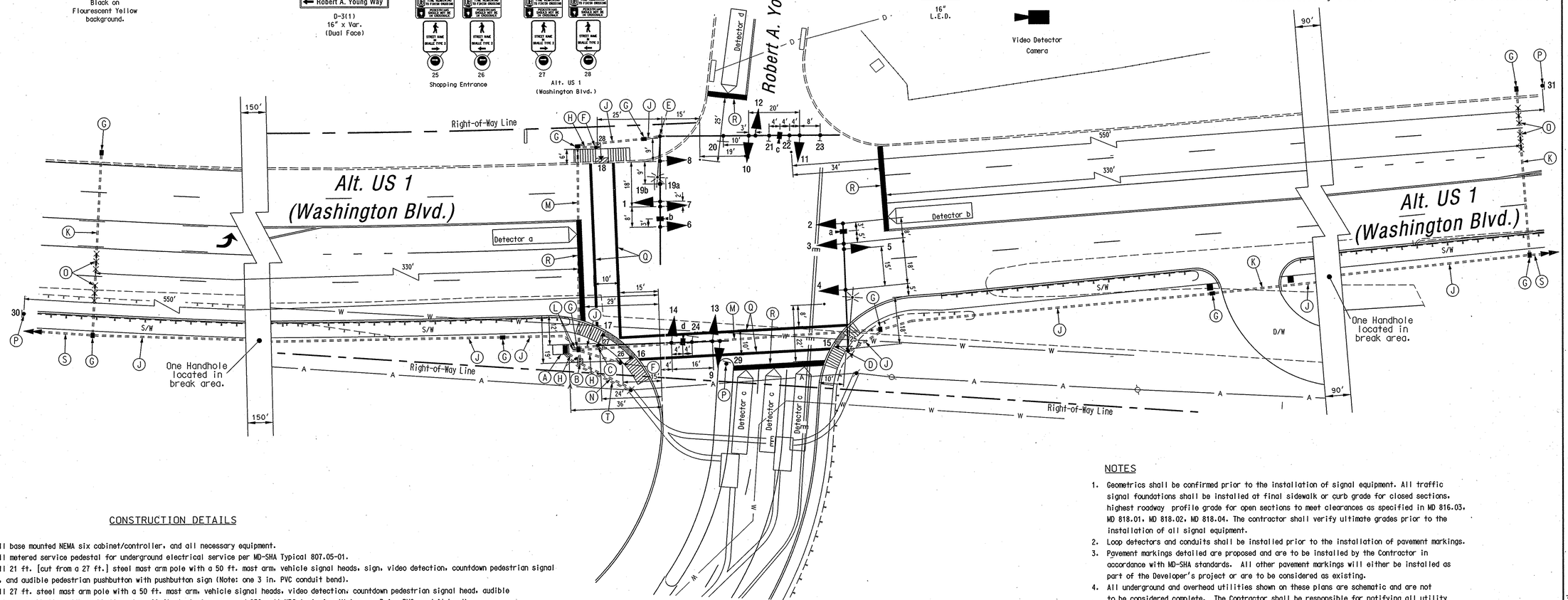
15-18 — 16" L.E.D.

a-d — Video Detector Camera

## PROPOSED NEMA PHASING




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 six cabinet/controller, and all necessary equipment.
B. Install metered service pedestal for underground electrical service per MD-SHA Typical 807.05-01.
C. Install 21 ft. [cut from a 27 ft.] steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, sign, video detection, countdown pedestrian signal head, and audible pedestrian pushbutton with pushbutton sign (Note: one 3 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, video detection, countdown pedestrian signal head, audible pedestrian pushbutton with pushbutton sign, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
E. Install 27 ft. steel twin mast arm pole with 50 ft. and 70 ft. mast arms, vehicle signal heads, signs, video detectors, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend). Note: Cut 50' mast arm to 40' per Tom. 7-26-06
F. Install 10 ft. steel pedestal pole on break away base with countdown pedestrian signal head, audible pedestrian pushbutton, and pushbutton sign (Note: one 2 in. PVC conduit bend).
G. Install handhole.
H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
N. Proposed 4 in. conduit for an underground electrical service by BGE.
O. Install non-invasive micro-loop probe (set of 3).
P. Install ground mounted sign as shown.
Q. Install 12 in. wide pavement marking - white for crosswalk.
R. Install 24 in. wide pavement marking - white for stop line.
S. Conduit installed as part of the Interconnect Plan.
T. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched - for phone drop.

## 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
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 7-26-06
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION — for Mikey Rucker 7-26-06
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 7-26-06
DIRECTOR, TRAFFIC & SAFETY — 7/20

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

# Alt. US 1 (Washington Blvd.) at Robert A. Young Way/ Wal*Mart North Entrance

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | J. Storck | F.A.P. NO. | N/A | TS NO. 4497 | SHEET NO. |
| CHECKED BY: | | S.H.A. NO. | BW996M82 | | |
| SCALE: | 1" = 20' | COUNTY: | Baltimore | T.I.M.S. NO. H147 | 1 OF 2 |
| DATE: | June 19, 2006 | LOG MILE: | 03001AL002.18 | | |

I:\2004\2004-0220\Sigs\signals\RobertA.dgn 7/25/2006