DRILL HOLES

BORDER REV: DATE: JUNE 1, 2004

MD 648E IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

## SIGNS

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS BALT-ANNAPOLIS BLVD. / START CROSSING WATCH FOR TURNING CARS / DON'T START PARTIAL CROSSING IF STARTED / ACCESSIBLE TO CROSSWALK

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS FURNACE BRANCH ROAD / START CROSSING WATCH FOR TURNING CARS / DON'T START PARTIAL CROSSING IF STARTED / ACCESSIBLE TO CROSSWALK

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS FURNACE BRANCH ROAD / START CROSSING WATCH FOR TURNING CARS / DON'T START PARTIAL CROSSING IF STARTED / ACCESSIBLE TO CROSSWALK

STREET NAME INTERSECTING IN SMALLER TYPE B

13, 14 — MD 648 E

15, 16 — FURNACE BRANCH ROAD

## SIGNS

12: Furnace Br. Rd. ⇨ | ⇦ Furnace Br. Rd.

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

## SIGNALS

1: R 8", Y 8", G 8", 12"

2: R, Y, G, 12"

3,4,6: R, Y, G, 12"

5,7: R, Y, G, 12"

8-11: LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

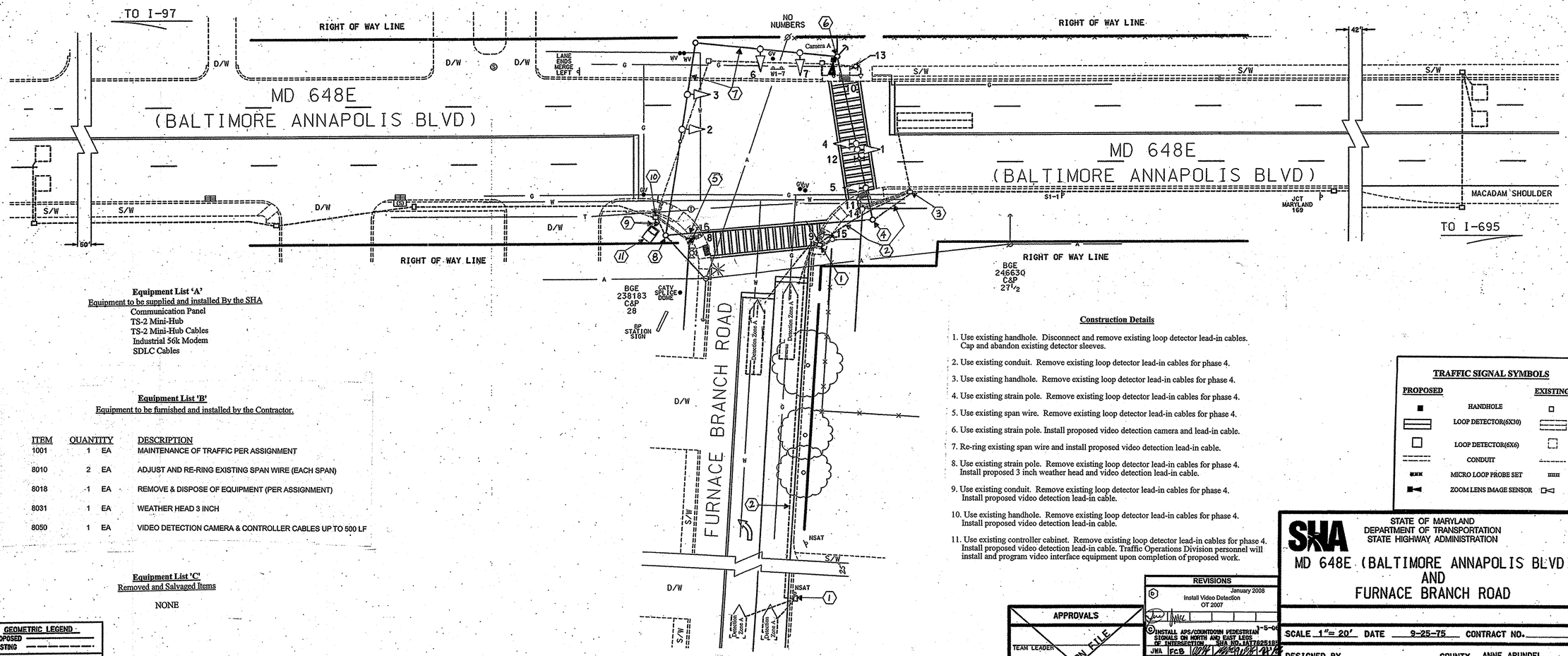
NOTE: SIGNAL HEADS ARE "LED" TYPE

## NEMA PHASING

Ø2, Ø5 (OVL), Ø6, Ø4 (OVL), Ø4 ALT

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




**Equipment List 'A'**

Equipment to be supplied and installed By the SHA

- Communication Panel
- TS-2 Mini-Hub
- TS-2 Mini-Hub Cables
- Industrial 56k Modem
- SDLC Cables

**Equipment List 'B'**

Equipment to be furnished and installed by the Contractor.

| ITEM | QUANTITY | | DESCRIPTION |
|---|---|---|---|
| 1001 | 1 | EA | MAINTENANCE OF TRAFFIC PER ASSIGNMENT |
| 8010 | 2 | EA | ADJUST AND RE-RING EXISTING SPAN WIRE (EACH SPAN) |
| 8018 | 1 | EA | REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT) |
| 8031 | 1 | EA | WEATHER HEAD 3 INCH |
| 8050 | 1 | EA | VIDEO DETECTION CAMERA & CONTROLLER CABLES UP TO 500 LF |

**Equipment List 'C'**

Removed and Salvaged Items

NONE

**Construction Details**

1. Use existing handhole. Disconnect and remove existing loop detector lead-in cables. Cap and abandon existing detector sleeves.
2. Use existing conduit. Remove existing loop detector lead-in cables for phase 4.
3. Use existing handhole. Remove existing loop detector lead-in cables for phase 4.
4. Use existing strain pole. Remove existing loop detector lead-in cables for phase 4.
5. Use existing span wire. Remove existing loop detector lead-in cables for phase 4.
6. Use existing strain pole. Install proposed video detection camera and lead-in cable.
7. Re-ring existing span wire and install proposed video detection lead-in cable.
8. Use existing strain pole. Remove existing loop detector lead-in cables for phase 4. Install proposed 3 inch weather head and video detection lead-in cable.
9. Use existing conduit. Remove existing loop detector lead-in cables for phase 4. Install proposed video detection lead-in cable.
10. Use existing handhole. Remove existing loop detector lead-in cables for phase 4. Install proposed video detection lead-in cable.
11. Use existing controller cabinet. Remove existing loop detector lead-in cables for phase 4. Install proposed video detection lead-in cable. Traffic Operations Division personnel will install and program video interface equipment upon completion of proposed work.

**TRAFFIC SIGNAL SYMBOLS**

| PROPOSED | | EXISTING |
|---|---|---|
| ■ | HANDHOLE | □ |
| ▭ | LOOP DETECTOR(6X30) | ▭ |
| □ | LOOP DETECTOR(6X6) | □ |
| ------ | CONDUIT | ------ |
| ▩ | MICRO LOOP PROBE SET | ▩ |
| ■◄ | ZOOM LENS IMAGE SENSOR | □◄ |

**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—

APPROVALS

TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

B — January 2008 — Install Video Detection OT 2007

C — INSTALL APS/COUNTDOWN PEDESTRIAN SIGNALS ON NORTH AND EAST LEGS OF INTERSECTION — SHA NO. IAT782518B — 1-5-06 — JWA FCB

B — ASBUILT SHA NO.: 998-501-586

DD

A — REDRAWN SHA NO.: — 6-8-78 — GBH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

# MD 648E (BALTIMORE ANNAPOLIS BLVD) AND FURNACE BRANCH ROAD

SCALE 1"= 20' DATE 9-25-75 CONTRACT NO.

DESIGNED BY
DRAWN BY KGA
CHECKED BY
F.A.P. NO.

COUNTY ANNE ARUNDEL
LOGMILE 02E64801.77
TIMS NO. J-093
TOD NO.

TS NO. 1467p | DRAWING NO. OF | SHEET NO. 1 OF 2

02.30.04 2002.30 ugh UGP:\02E\02E64\1.0001\