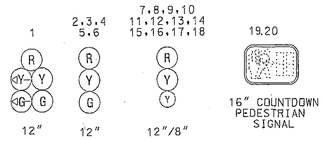
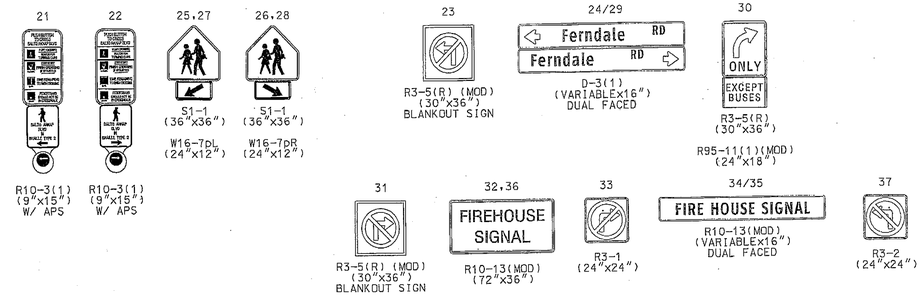
MD 648E IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

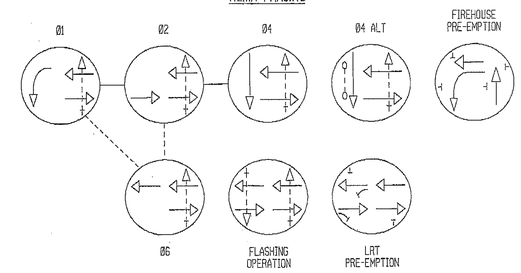
## EXISTING SIGNALS




## SIGNS

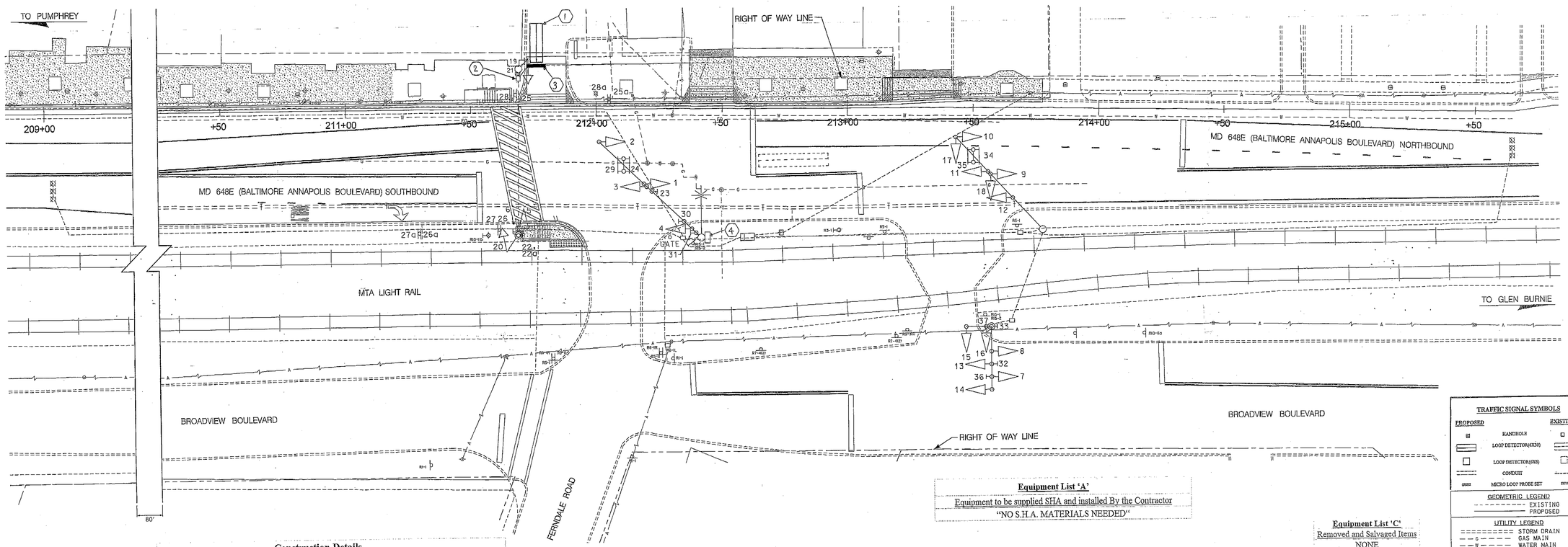



## NEMA PHASING




PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.




**Construction Details**

1. Install proposed 6x20 loop detector (6-3-6 turns).
2. Use existing handhole. Remove existing loop detector lead-in cables. Install and splice proposed loop detector lead-in cable.
3. Install proposed stop line to SHA standards.
4. Use existing controller cabinet. Traffic Operations Division personnel will re-tune amplifier upon completion of proposed work.

**Equipment List 'A'**

Equipment to be supplied SHA and installed By the Contractor

"NO S.H.A. MATERIALS NEEDED"

**Equipment List 'B'**

Equipment to be furnished and installed by the Contractor.

| QUANTITY | | DESCRIPTION |
|---|---|---|
| 1 | EA | MAINTENANCE OF TRAFFIC PER ASSIGNMENT |
| 10 | LF | 24 INCH WHITE PREFORMED THERMOPLASTICPAVEMENT MARKING |
| 25 | SF | 5 INCH CONCRETE SIDEWALK |
| 1 | EA | REMOVE & DISPOSE OF EQUIPMENT |
| 6 | LF | 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT |
| 300 | LF | LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG) |
| 84 | LF | SAW CUT FOR SIGNAL (LOOP DETECTOR) |

**Equipment List 'C'**

Removed and Salvaged Items

NONE

**TRAFFIC SIGNAL SYMBOLS**

| PROPOSED | | EXISTING |
|---|---|---|
| | HANDHOLE | |
| | LOOP DETECTOR(6X30) | |
| | LOOP DETECTOR(6X6) | |
| | CONDUIT | |
| | MICRO LOOP PROBE SET | |

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
FIBER-OPTIC

McCormick Taylor
Engineers & Planners Since 1946
509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: bshanover

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

| | | |
|---|---|---|
| C | June 2013 Replace Damaged Detection 3 BID 27861T02038 TIMS: M092 | |
| B | UPGRADE SIGNAL WITH APS AND CPS | 10/5/12 SHA NO. AN6445378 TIMS NO. L317 |
| BSH | | |
| A | REVISED PREEMPTION AND ADDED FIREHOUSE SIGNAL HEADS | 08/13/12 |
| EMM | | |

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

# MD 648E (BALTIMORE ANNAPOLIS BOULEVARD) AT FERNDALE ROAD

FERNDALE, MARYLAND

## TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 8/9/91 CONTRACT NO. CL11

DESIGNED BY BDH
DRAWN BY SAH
CHECKED BY BDH
F.A.P. NO.

COUNTY ANNE ARUNDEL
LOGMILE 02064804.81
T.I.M.S. NO. N/A
T.O.D. NO.

T.S. NO. 2575B SG-01 OF SG-02 SHEET NO. OF