## EXISTING SIGNALS

1.4 2.5 3.6.9.10.13.14 7.8.11.12 15-22 23 24.27 25a.25b.28a.28b 26.33 29.31 30a.30b.32a.32b

MD 117 RUNS IN A EAST-WEST DIRECTION.

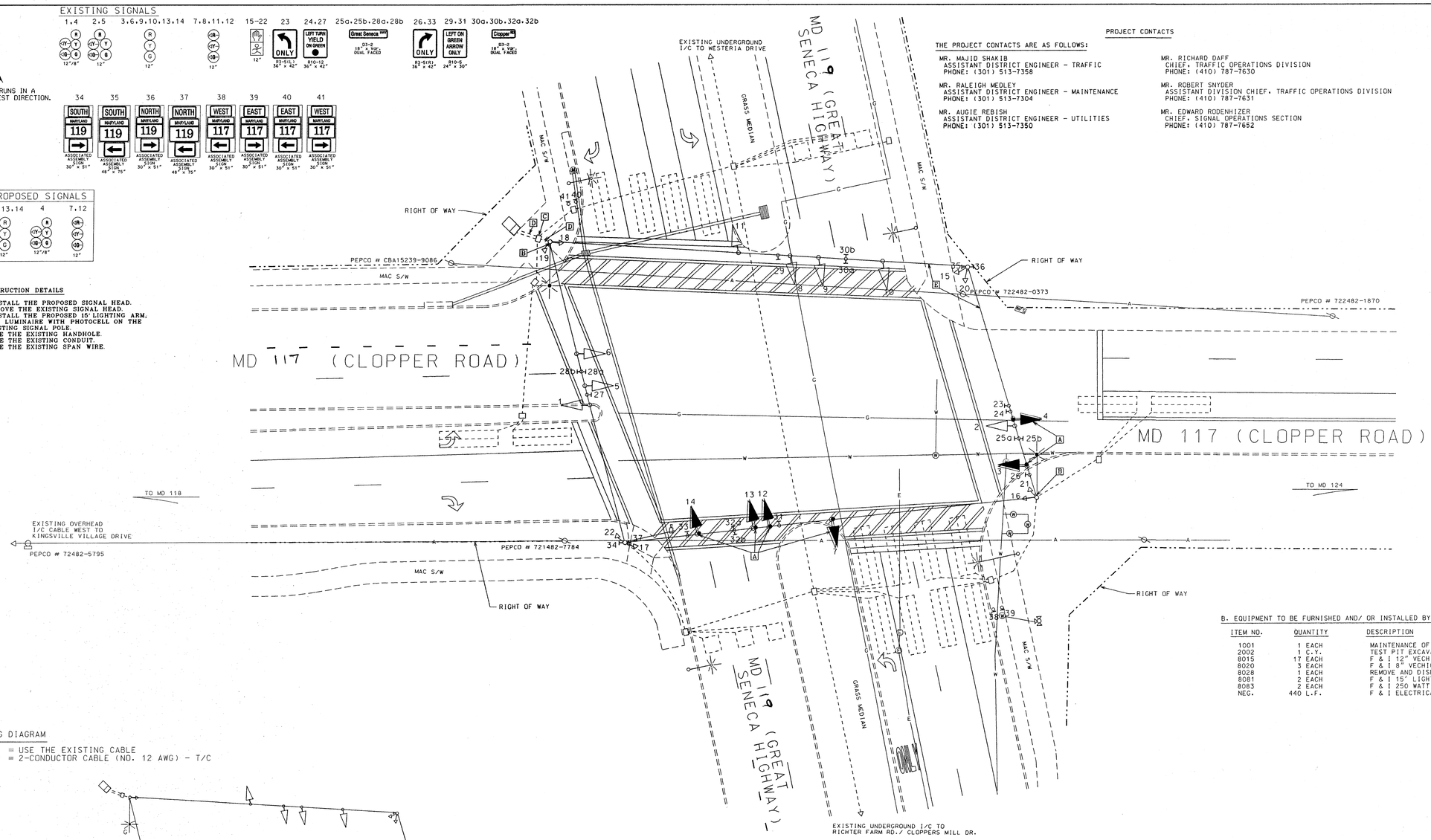
34 35 36 37 38 39 40 41

## PROPOSED SIGNALS

3.13.14 4 7.12

## CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED SIGNAL HEAD. REMOVE THE EXISTING SIGNAL HEAD.
B. INSTALL THE PROPOSED 15' LIGHTING ARM, AND LUMINAIRE WITH PHOTOCELL ON THE EXISTING SIGNAL POLE.
C. USE THE EXISTING HANDHOLE.
D. USE THE EXISTING CONDUIT.
E. USE THE EXISTING SPAN WIRE.




## PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

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## NEMA PHASING:

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

FLASHING OPERATION

Ø4 & Ø8 ALT.

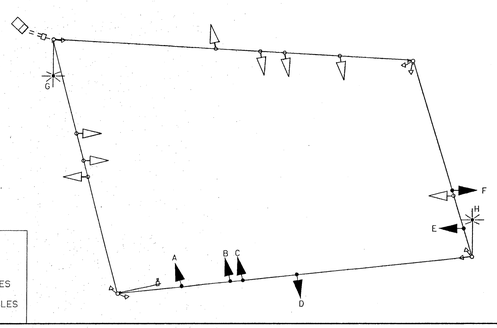
NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

## B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR OR BY DISTRICT 5 PERSONNEL

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 1001 | 1 EACH | MAINTENANCE OF TRAFFIC |
| 2002 | 1 C.Y. | TEST PIT EXCAVATION |
| 8015 | 17 EACH | F & I 12" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION |
| 8020 | 3 EACH | F & I 8" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION |
| 8028 | 1 EACH | REMOVE AND DISPOSE OF EXISTING MARTERIAL PER ASSIGNMENT |
| 8081 | 2 EACH | F & I 15' LIGHTING BRACKET ARM FOR TRAFFIC SIGNAL STRUCTURE |
| 8083 | 2 EACH | F & I 250 WATT HPS LUMINAIRE WITH PHOTOCELL |
| NEG. | 440 L.F. | F & I ELECTRICAL CABLE - 2-CONDUCTOR (NO. 12 AWG) TYPE IN. TC IN. |

## WIRING DIAGRAM

A-F = USE THE EXISTING CABLE
G-H = 2-CONDUCTOR CABLE (NO. 12 AWG) - T/C




UTILITY LEGEND

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

| REVISIONS | APPROVALS |
|---|---|
| D. 02/2002 - REPLACED ALL SIGNAL HEADS THAT ARE NOT BLACK FACED; INSTALL LIGHTING IN N/W & S/E CORNER; SHA NO. OT2009 | TEAM LEADER/TRAFFIC ENGINEERING DESIGN DIVISION |
| C. 04/05/2001 - RELOCATE POLE & CONTROLLER IN THE NORTHWEST CORNER DUE TO GEOMETRIC IMPROVEMENTS ON GREAT SENECA SHA NO. BW966M02 | ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| B. 03/03/1999 - REPLACE LOOPS DUE TO GEOMETRIC IMPROVEMENTS ON GREAT SENECA AND MD 117 SHA NO. BW966MD285 | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| A. 11/1996 - REDRAWN, REMOVE E/P & INSTALL EXCLUSIVE L.T.'S ON GREAT SENECA HWY. SHA NO. AW-102-501-385 | DIRECTOR, OFFICE OF TRAFFIC & SAFETY |

NOTICE OF REVISION TO AW-102-501-385 DATED 11-1996 ORIGINAL PLAN ON FILE

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

MD 117 (Clopper Road) and MD 119 (Great Seneca Highway)
GERMANTOWN, MARYLAND

| | | | |
|---|---|---|---|
| DRAWN BY: C.A. | F.A.P. NO. | T.S. NO. | SHEET NO. |
| CHECKED BY: L.C.S. | S.H.A. NO 23854T260 28 104 | TS-3638 D | |
| SCALE: 1" = 20' | COUNTY MONTGOMERY | T.I.M.S. NO. | |
| DATE: 11/ 1996 | LOG MILE 15011708.06 | E743 | 1 OF 1 |