MD 5 - MD 235 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION

## EXISTING SIGNALS & SIGNS

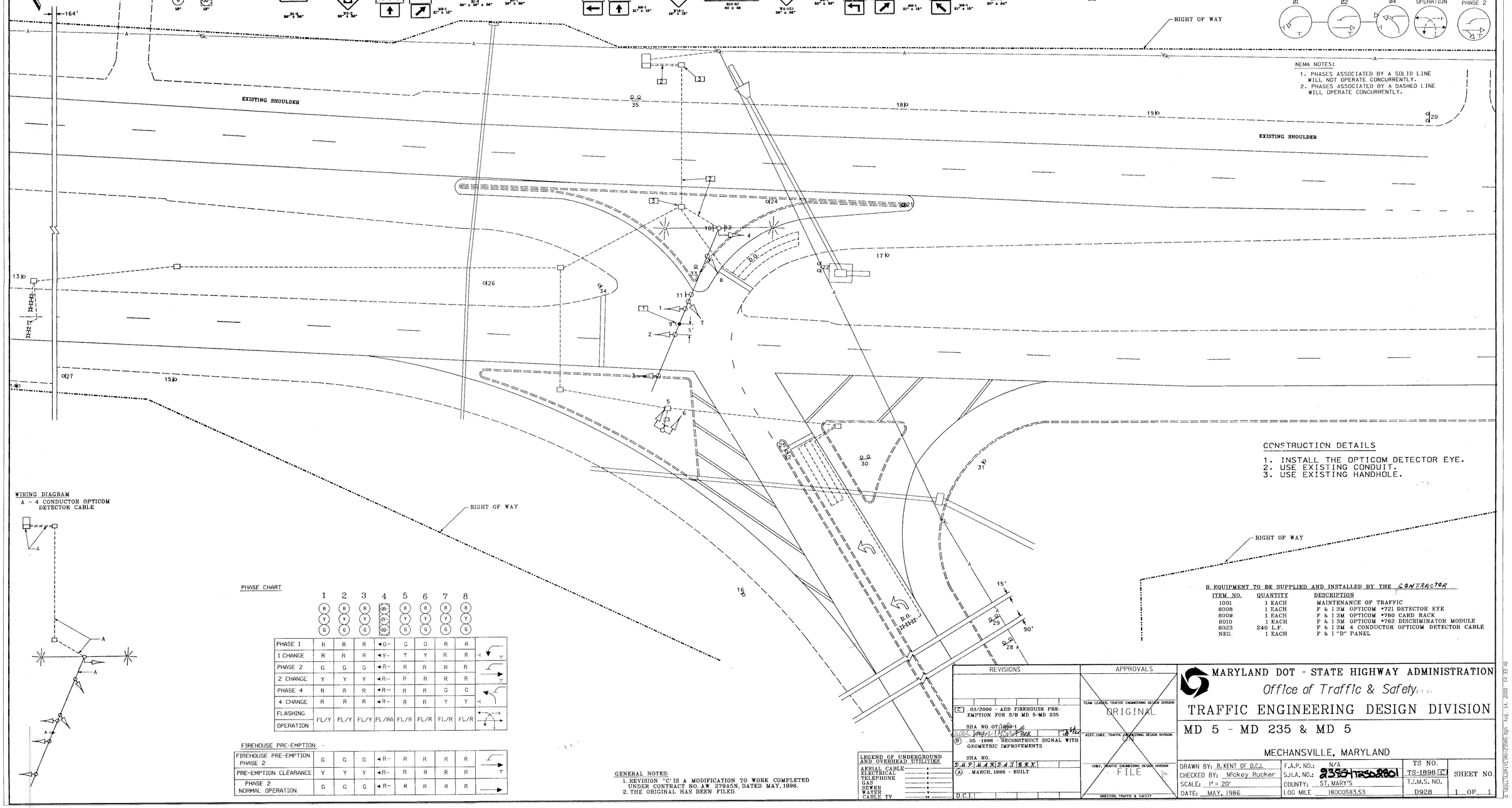
1-3, 5-8 | 4 | 10,12 | 11 | 13,14,28 | 15 | 16,31 | 17,18,26 | 19,27 | 20 | 21 | 22,23 | 24 | 25,34 | 29,30 | 32 | 33 | 35

## PROPOSED SIGNALS

9 — OPTICOM DETECTOR EYE

| F H W A REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | MD | | | |

NEMA PHASING: Ø1, Ø2, Ø4, FLASHING OPERATION, FIREHOUSE PRE-EMPTION PHASE 2




NEMA NOTES:

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

CONSTRUCTION DETAILS

1. INSTALL THE OPTICOM DETECTOR EYE.
2. USE EXISTING CONDUIT.
3. USE EXISTING HANDHOLE.

WIRING DIAGRAM
A - 4 CONDUCTOR OPTICOM DETECTOR CABLE

PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| PHASE 1 | R | R | R | ◄G- | G | G | R | R |
| 1 CHANGE | R | R | R | ◄Y- | Y | Y | R | R |
| PHASE 2 | G | G | G | ◄R- | R | R | R | R |
| 2 CHANGE | Y | Y | Y | ◄R- | R | R | R | R |
| PHASE 4 | R | R | R | ◄R- | R | R | G | G |
| 4 CHANGE | R | R | R | ◄R- | R | R | Y | Y |
| FLASHING OPERATION | FL/Y | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R |

FIREHOUSE PRE-EMPTION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FIREHOUSE PRE-EMPTION PHASE 2 | G | G | G | ◄R- | R | R | R | R |
| PRE-EMPTION CLEARANCE | Y | Y | Y | ◄R- | R | R | R | R |
| PHASE 2 NORMAL OPERATION | G | G | G | ◄R- | R | R | R | R |

GENERAL NOTES:

1. REVISION "C" IS A MODIFICATION TO WORK COMPLETED UNDER CONTRACT NO. AW 279A5N, DATED MAY, 1996.
2. THE ORIGINAL HAS BEEN FILED.

B. EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 1001 | 1 EACH | MAINTENANCE OF TRAFFIC |
| 8008 | 1 EACH | F & I 2M OPTICOM *721 DETECTOR EYE |
| 8009 | 1 EACH | F & I 3M OPTICOM *760 CARD RACK |
| 8010 | 1 EACH | F & I 3M OPTICOM *762 DISCRIMINATOR MODULE |
| 8023 | 240 L.F. | F & I 3M 4 CONDUCTOR OPTICOM DETECTOR CABLE |
| NEG. | 1 EACH | F & I "D" PANEL |

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE
ELECTRICAL
TELEPHONE
GAS
SEWER
WATER
CABLE TV

REVISIONS

C. 03/2000 - ADD FIREHOUSE PRE-EMPTION FOR S/B MD 5-MD 235

SHA NO. OT 1969-1

B. 05-1996 - RECONSTRUCT SIGNAL WITH GEOMETRIC IMPROVEMENTS

SHA NO. SUSQUASDA198XX

A. MARCH, 1996 - BUILT

D.C.I.

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — ORIGINAL

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — FILE

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

*Office of Traffic & Safety*

TRAFFIC ENGINEERING DESIGN DIVISION

MD 5 - MD 235 & MD 5

MECHANSVILLE, MARYLAND

| | | | |
|---|---|---|---|
| DRAWN BY: B. KENT OF D.C.I. | F.A.P. NO.: N/A | TS NO. TS-1898 (C) | SHEET NO. |
| CHECKED BY: Mickey Rucker | S.H.A. NO.: 23S3175S0801 | | |
| SCALE: 1" = 20' | COUNTY: ST. MARY'S | T.I.M.S. NO. | |
| DATE: MAY, 1986 | LOG MILE 18000583.53 | D928 | 1 OF 1 |

Aug 14, 2000 10:38:49 D:\DGN\TS1898C.DGN