Cherry Lane is assumed to run in an East/West direction

## PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| Phase 2 & 5 | R | R | R | R | R | R | G | G | DW | DW |
| 2 & 5 Change | R | R | R | R | R | R | Y | Y | DW | DW |
| Phase 2 & 6 | G | G | R | R | R | R | G | G | DW | DW |
| 2 & 6 Change | Y | Y | R | R | R | R | Y | Y | DW | DW |
| Phase 4 & 8 | R | R | G | G | G | G | R | R | DW | DW |
| 4 & 8 Change | R | R | Y | Y | Y | Y | R | R | DW | DW |
| 4 & 8 Alt. | R | R | G | G | G | G | R | R | WK | WK |
| Ped. Clear | R | R | G | G | G | G | R | R | FL/DW | FL/DW |
| 4 & 8 Alt. Change | R | R | Y | Y | Y | Y | R | R | DW | DW |
| Pre-Emption #1 | G | G | R | R | R | R | G | G | DW | DW |
| Change | Y | Y | R | R | R | R | Y | Y | DW | DW |
| Pre-Emption #2 | R | R | G | G | G | G | R | R | DW | DW |
| Change | R | R | Y | Y | Y | Y | R | R | DW | DW |
| Pre-Emption #3 | R | R | G | G | G | G | R | R | DW | DW |
| Change | R | R | Y | Y | Y | Y | R | R | DW | DW |
| Flashing Operation | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/Y | FL/Y | DARK | DARK |

## EXISTING SIGNALS

1-7 8 9,10

12" 12" 12"

## EXISTING SIGNS

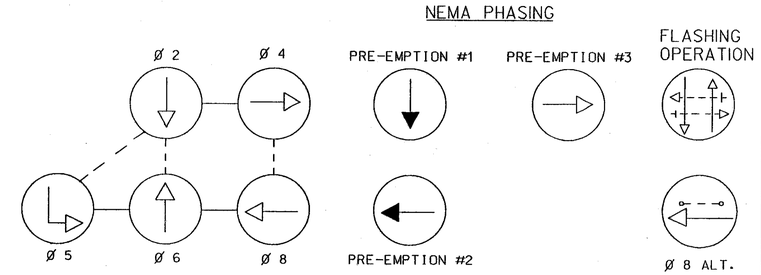
11, 14, 15 — R3-5L 30" x 36"

12, 13 — R10-1 12"x9"

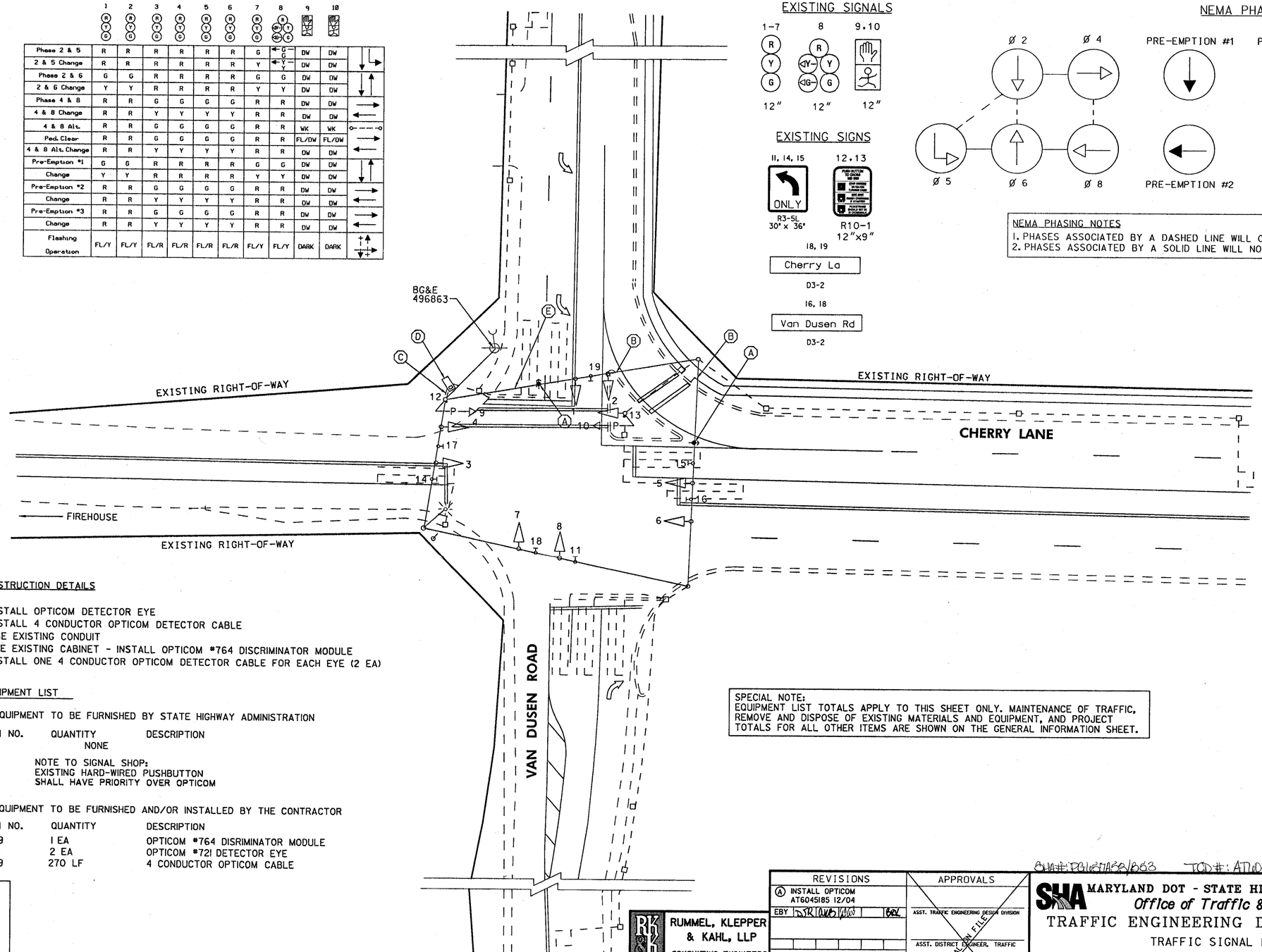
18, 19 — Cherry La — D3-2

16, 18 — Van Dusen Rd — D3-2

## NEMA PHASING




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




## CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE
B. INSTALL 4 CONDUCTOR OPTICOM DETECTOR CABLE
C. USE EXISTING CONDUIT
D. USE EXISTING CABINET - INSTALL OPTICOM #764 DISCRIMINATOR MODULE
E. INSTALL ONE 4 CONDUCTOR OPTICOM DETECTOR CABLE FOR EACH EYE (2 EA)

## EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| | NONE | |

NOTE TO SIGNAL SHOP:
EXISTING HARD-WIRED PUSHBUTTON
SHALL HAVE PRIORITY OVER OPTICOM

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 8059 | 1 EA | OPTICOM #764 DISRIMINATOR MODULE |
| 8061 | 2 EA | OPTICOM #721 DETECTOR EYE |
| 8079 | 270 LF | 4 CONDUCTOR OPTICOM CABLE |

SPECIAL NOTE:
EQUIPMENT LIST TOTALS APPLY TO THIS SHEET ONLY. MAINTENANCE OF TRAFFIC, REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT, AND PROJECT TOTALS FOR ALL OTHER ITEMS ARE SHOWN ON THE GENERAL INFORMATION SHEET.

## 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 |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CONSULTING ENGINEERS
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BALTIMORE, MARYLAND 21217
TEL: (410) 728-2900 FAX: (410) 383-3270


REVISIONS
(A) INSTALL OPTICOM AT6045185 12/04 — EBY

APPROVALS
ASST. TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

SHA#: P316-17A-38/B63 TCD#: AT604-14

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
CHERRY LANE AT VAN DUSEN ROAD

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | J.A. BARRACK | F.A.P. NO. | - | TS NO. 3105A | SHEET NO. |
| CHECKED BY: | M. T. STORCK | S.H.A. NO. | 375H | | |
| SCALE: | 1" = 20' | COUNTY: | PRINCE GEORGE'S | T.I.M.S. NO. 0463 | 8 OF 14 |
| DATE: | 10/04 | LOG MILE: | 16008300.51 | | |