DRILL HOLES

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BORDER REV. DATE: FEB 7, 2012

## (5)

## MD 24 AND MD 755 / VAN BIBBER RD
TS NO.1961 F
LOGMILE 12002403.27

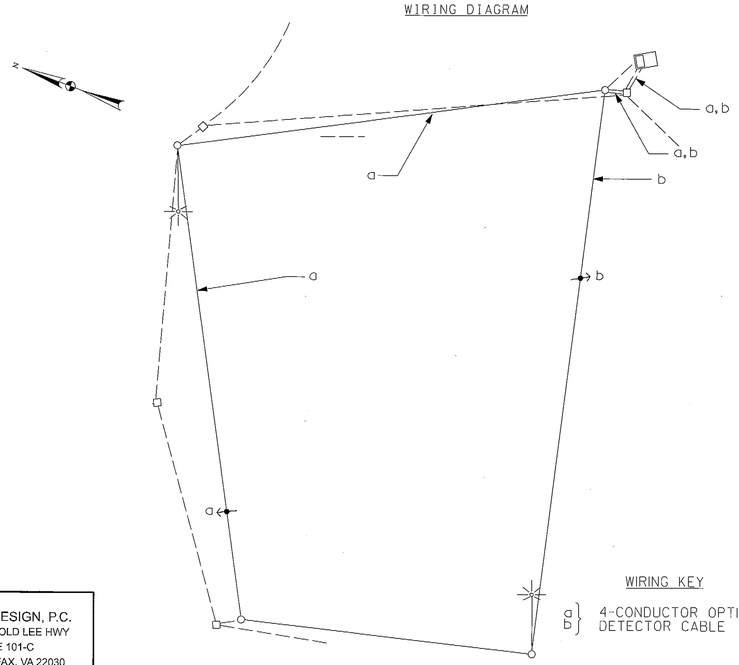
### PHASING CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ←R, ←Y, ←G | ←R, ←Y, ←G | R, Y, G | R, Y, G | ←R, ←Y, ←G | ←G, ←Y, ←G | R, Y, G | R, Y, G | R, Y, G | R, Y, G, ←G | R, Y, G | R, Y, G, ←G | R, Y, G, ←G | R, Y, G |
| PHASE 1 AND 5 | ←G | ←G | R | R | ←G | ←G | R | R | R | R | R | R | R | R |
| 1 AND 5 CHANGE | PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6 | | | | | | | | | | | | | |
| PHASE 1 AND 6 | ←G | ←G | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| 1 AND 6 CHANGE | ←Y | ←Y | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| PHASE 2 AND 5 | ←R | ←R | R | R | ←G | ←G | G | G | R | R | R | R | R | R |
| 2 AND 5 CHANGE | ←R | ←R | R | R | ←Y | ←Y | G | G | R | R | R | R | R | R |
| PHASE 2 AND 6 | ←R | ←R | G | G | ←R | ←R | G | G | R | R | R | R | R | R |
| 2 AND 6 CHANGE | ←R | ←R | Y | Y | ←R | ←R | Y | Y | R | R | R | R | R | R |
| PHASE 3 | ←R | ←R | R | R | ←R | ←R | R | R | R | R | R | G ←G | G ←G | G |
| 3 CHANGE | ←R | ←R | R | R | ←R | ←R | R | R | R | R | R | Y | Y | Y |
| PHASE 4 | ←R | ←R | R | R | ←R | ←R | R | R | G ←G | G ←G | G | R | R | R |
| 4 CHANGE | ←R | ←R | R | R | ←R | ←R | R | R | Y | Y | Y | R | R | R |
| FLASHING OPERATION | FL /R | FL /R | FL /Y | FL /Y | FL /R | FL /R | FL /Y | FL /Y | FL /R | FL /R | FL /R | FL /R | FL /R | FL /R |

EMERGENCY PRE-EMPTION

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMERGENCY PRE-EMPTION 1 | ←R | ←R | R | R | ←G | ←G | G | G | R | R | R | R | R | R |
| PRE-EMPTION CLEARANCE | ←R | ←R | R | R | ←Y | ←Y | G | G | R | R | R | R | R | R |
| EMERGENCY PRE-EMPTION 2 | ←G | ←G | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| PRE-EMPTION CLEARANCE | ←Y | ←Y | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| PHASE 2 AND 6 NORMAL OPERATION | R | R | G | G | R | R | G | G | R | R | R | R | R | R |

### WIRING DIAGRAM




### WIRING KEY

a, b } 4-CONDUCTOR OPTICOM DETECTOR CABLE

T3 DESIGN, P.C.
3927 OLD LEE HWY
SUITE 101-C
FAIRFAX, VA 22030
PHONE: 703-359-5861
www.t3design.us

BY: swilkening

## (6)

## MD 7 (PHILADELPHIA RD) AND MD 24
TS NO.447G
LOGMILE 12000704.52

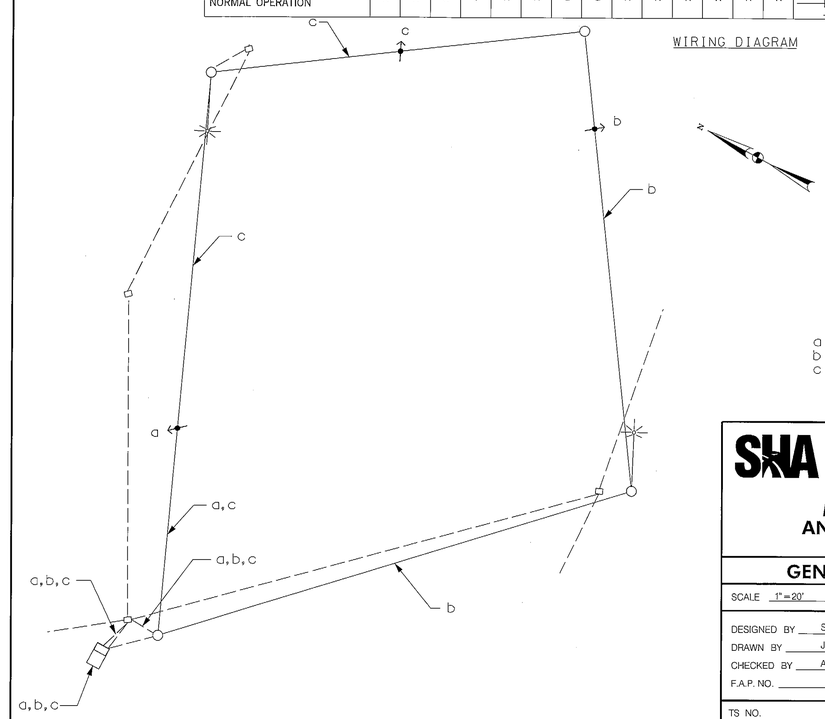
### PHASING CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ←R, ←Y, ←G | ←R, ←Y, ←G | R, Y, G | R, Y, G | ←R, ←Y, ←G | ←R, ←Y, ←G | R, Y, G | R, Y, G | ←R, ←Y, ←G, R, Y, G | ←R, ←Y, ←G, R, Y, G | R, Y, G | ←R, ←Y, ←G, R, Y, G | R, Y, G | R |
| PHASE 1 AND 5 | ←G | ←G | R | R | ←G | ←G | R | R | R | R | R | R | R | R |
| 1 AND 5 CHANGE | PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6 | | | | | | | | | | | | | |
| PHASE 1 AND 6 | ←G | ←G | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| 1 AND 6 CHANGE | ←Y | ←Y | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| PHASE 2 AND 5 | ←R | ←R | R | R | ←G | ←G | G | G | R | R | R | R | R | R |
| 2 AND 5 CHANGE | ←R | ←R | R | R | ←Y | ←Y | G | G | R | R | R | R | R | R |
| PHASE 2 AND 6 | ←R | ←R | G | G | ←R | ←R | G | G | R | R | R | R | R | R |
| 2 AND 6 CHANGE | ←R | ←R | Y | Y | ←R | ←R | Y | Y | R | R | R | R | R | R |
| PHASE 3 AND 7 | ←R | ←R | R | R | ←R | ←R | R | R | R ←G | R ←G | R | R ←G | R ←G | R |
| 3 AND 7 CHANGE | PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8 | | | | | | | | | | | | | |
| PHASE 3 AND 8 | ←R | ←R | R | R | ←R | ←R | R | R | G ←G | G ←G | G | R | R | R |
| 3 AND 8 CHANGE | ←R | ←R | R | R | ←R | ←R | R | R | G ←Y | G ←Y | G | R | R | R |
| PHASE 4 AND 7 | ←R | ←R | R | R | ←R | ←R | R | R | R | R | R | G ←G | G ←G | G |
| 4 AND 7 CHANGE | ←R | ←R | R | R | ←R | ←R | R | R | R | R | R | G ←Y | G ←Y | G |
| PHASE 4 AND 8 | ←R | ←R | R | R | ←R | ←R | R | R | G | G | G | G | G | G |
| 4 AND 8 CHANGE | ←R | ←R | R | R | ←R | ←R | R | R | Y | Y | Y | Y | Y | Y |
| FLASHING OPERATION | FL /R | FL /R | FL /Y | FL /Y | FL /R | FL /R | FL /Y | FL /Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R |

EMERGENCY PRE-EMPTION

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMERGENCY PRE-EMPTION 1 | ←G | ←G | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| PRE-EMPTION CLEARANCE | ←Y | ←Y | G | G | ←R | ←R | R | R | R | R | R | R | R | R |
| EMERGENCY PRE-EMPTION 2 | ←R | ←R | R | R | ←G | ←G | G | G | R | R | R | R | R | R |
| PRE-EMPTION CLEARANCE | ←R | ←R | R | R | ←Y | ←Y | G | G | R | R | R | R | R | R |
| EMERGENCY PRE-EMPTION 3 | ←R | ←R | R | R | ←R | ←R | R | R | G | G | G | G | G | G |
| PRE-EMPTION CLEARANCE | ←R | ←R | R | R | ←R | ←R | R | R | Y | Y | Y | Y | Y | Y |
| PHASE 2 AND 6 NORMAL OPERATION | R | R | G | G | R | R | G | G | R | R | R | R | R | R |

### WIRING DIAGRAM




TOD NO: XY125-03
SHA NO: HA400B51
MD 924, MD 24, MD 7, US 40
(Opticom's)

### WIRING KEY

a, b, c } 4-CONDUCTOR OPTICOM DETECTOR CABLE

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 924, MD 24, MD 7, AND US 40 INTERSECTIONS**

ABINGDON, MARYLAND

**GENERAL INFORMATION SHEET**

SCALE 1" = 20' DATE 3 /2 /2012 CONTRACT NO. XY1255185

DESIGNED BY S. SALEM COUNTY HARFORD
DRAWN BY J. SMITH LOGMILE
CHECKED BY A. MORRIS T.I.M.S. NO. J977
F.A.P. NO. TOD NO.

TS NO. | DRAWING TSP – 13 OF 15 | SHEET NO. 13 OF 15

PLOTTED: Friday, March 02, 2012 AT 12:21 PM
FILE: Y:\12-0277-198 Opticom Install\CADD\13 – GI Intersections 5-6.dgn