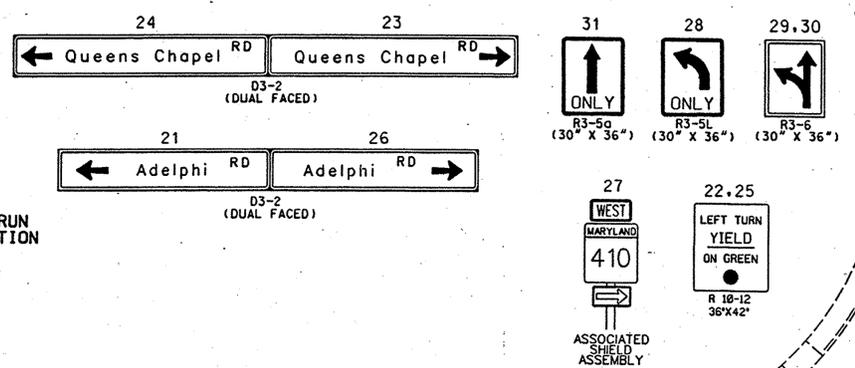
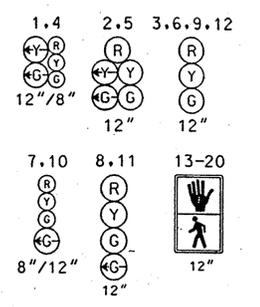


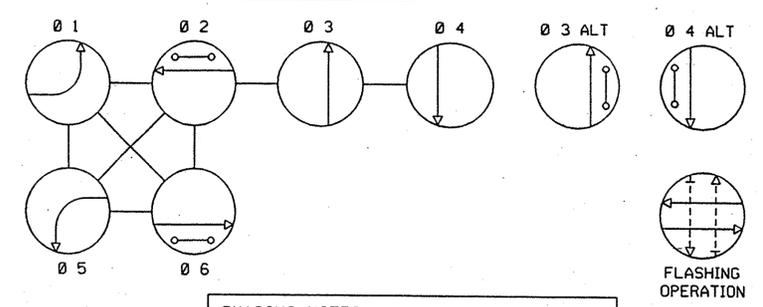
**SIGNS**



**SIGNALS**

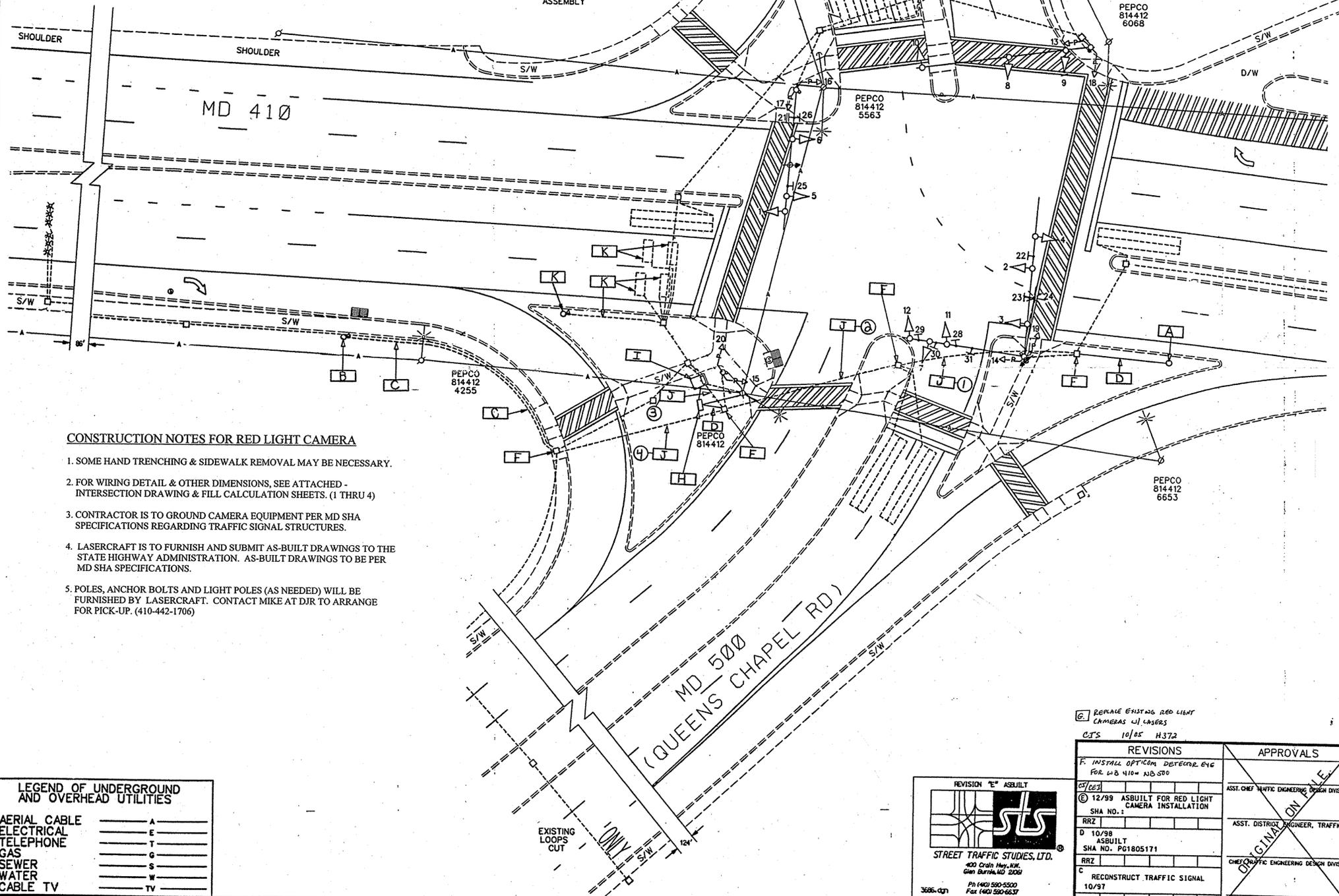


**NEMA PHASING**



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

MD 410 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



**CONSTRUCTION DETAILS FOR RED LIGHT CAMERA**

- A** F&I 13' LASER POLE. F&I 1 RUN OF 3/C #14 CABLE & INSTALL 1 RUN OF 12 PAIR LASER CABLE (FURNISHED BY LASERCRAFT) FROM LASER POLE TO CAMERA POLE. LEAVE 5' OF SLACK COILED UP OF TOP OF LASER POLE AND 10' OF SLACK COILED IN BOTTOM OF CAMERA POLE.
- B** REMOVE EXISTING CAMERA POLE. INSTALL NEW 13' CAMERA POLE ONTO EXISTING T-BASE. F&I 1 RUN OF 7/C #14 CABLE FROM CAMERA POLE TO TRAFFIC SIGNAL CABINET. LEAVE 10' OF SLACK COILED IN BOTTOM OF CAMERA POLE. F&I 1 RUN OF 3/C #14 CABLE FROM CAMERA POLE TO SERVICE PEDESTAL. LEAVE 10' OF SLACK COILED IN BOTTOM OF CAMERA POLE. INSTALL CAMERA ASSEMBLY.
- C** USE EXISTING CAMERA CONDUIT.
- D** F&I 2" PVC (SCH. 80) CONDUIT - TRENCHED.
- E** F&I 2" PVC (SCH. 80) CONDUIT - PUSHED. (NOT USED)
- F** USE EXISTING HANDHOLE.
- G** F&I HANDHOLE. (NOT USED)
- H** F&I EMBEDDED SERVICE PEDESTAL. (SEE ATTACHED TYPICALS) F&I SCH 80 PVC CONDUIT TRENCHED (SIZE PER BY POWER COMPANY) FROM SERVICE PEDESTAL TO SERVICE POLE. F&I RISER UP POLE IF NEEDED.
- I** LOCATE EXISTING SPARE 2" CONDUIT IN TRAFFIC SIGNAL CABINET. F&I 2" PVC SCH 80 CONDUIT TRENCHED FROM TRAFFIC SIGNAL CABINET AND ELBOWED INTO SERVICE PEDESTAL. F&I #4 WIRE FROM SERVICE PEDESTAL TO TRAFFIC SIGNAL CABINET. COORDINATE WITH POWER COMPANY THE SWITCHING OF THE SERVICE. AFTER SWITCH IS MADE REMOVE ALL NOT USED POWER SERVICE EQUIPMENT AND PLUG ALL HOLES.
- J** USE EXISTING CONDUIT. F&I INNERDUCT. (SEE FILL FACTOR SHEET CONDUITS 1 THRU 4)
- K** REMOVE ABANDONED ALL EXISTING EQUIPMENT, FLASH POLE, T-BASE, LOOPS AND WIRING. JACKHAMMER ANY EXISTING FOUNDATIONS NOT USED 12" BELOW GRADE.

**CONSTRUCTION NOTES FOR RED LIGHT CAMERA**

1. SOME HAND TRENCHING & SIDEWALK REMOVAL MAY BE NECESSARY.
2. FOR WIRING DETAIL & OTHER DIMENSIONS, SEE ATTACHED INTERSECTION DRAWING & FILL CALCULATION SHEETS. (1 THRU 4)
3. CONTRACTOR IS TO GROUND CAMERA EQUIPMENT PER MD SHA SPECIFICATIONS REGARDING TRAFFIC SIGNAL STRUCTURES.
4. LASERCRAFT IS TO FURNISH AND SUBMIT AS-BUILT DRAWINGS TO THE STATE HIGHWAY ADMINISTRATION. AS-BUILT DRAWINGS TO BE PER MD SHA SPECIFICATIONS.
5. POLES, ANCHOR BOLTS AND LIGHT POLES (AS NEEDED) WILL BE FURNISHED BY LASERCRAFT. CONTACT MIKE AT DJR TO ARRANGE FOR PICK-UP. (410-442-1706)

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

|              |       |    |
|--------------|-------|----|
| AERIAL CABLE | _____ | A  |
| ELECTRICAL   | _____ | E  |
| TELEPHONE    | _____ | T  |
| GAS          | _____ | G  |
| SEWER        | _____ | S  |
| WATER        | _____ | W  |
| CABLE TV     | _____ | TV |

REPLACE EXISTING RED LIGHT CAMERAS W/ LASERS  
 CTS 10/05 H372

REVISION "E" ASBUILT

| REVISIONS   | APPROVALS |
|---|-----------|
| F. INSTALL OPTICOM DETECTOR ETC FOR WB 410+ 230.500 |           |
| 12/99 ASBUILT FOR RED LIGHT CAMERA INSTALLATION     |           |
| 10/98 ASBUILT                                       |           |
| SHA NO. PG1805171                                   |           |
| RECONSTRUCT TRAFFIC SIGNAL 10/97                    |           |

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

MD 410 AND MD 500

|                      |                            |                       |                  |
|----------------------|----------------------------|-----------------------|------------------|
| DRAWN BY: S. BLOSS   | F.A.P. NO. PG1805171       | TS NO. 554KG          | SHEET NO. 1 OF 1 |
| CHECKED BY: N. LEARY | S.H.A. NO. PRINCE GEORGE'S | T.I.M.S. NO.          |                  |
| SCALE: 1" = 20'      | COUNTY: PRINCE GEORGE'S    | LOG MILE: 16041003.09 |                  |
| DATE:                |                            |                       |                  |