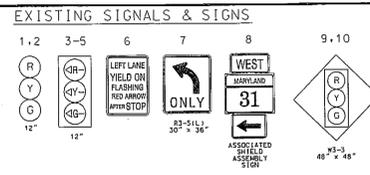


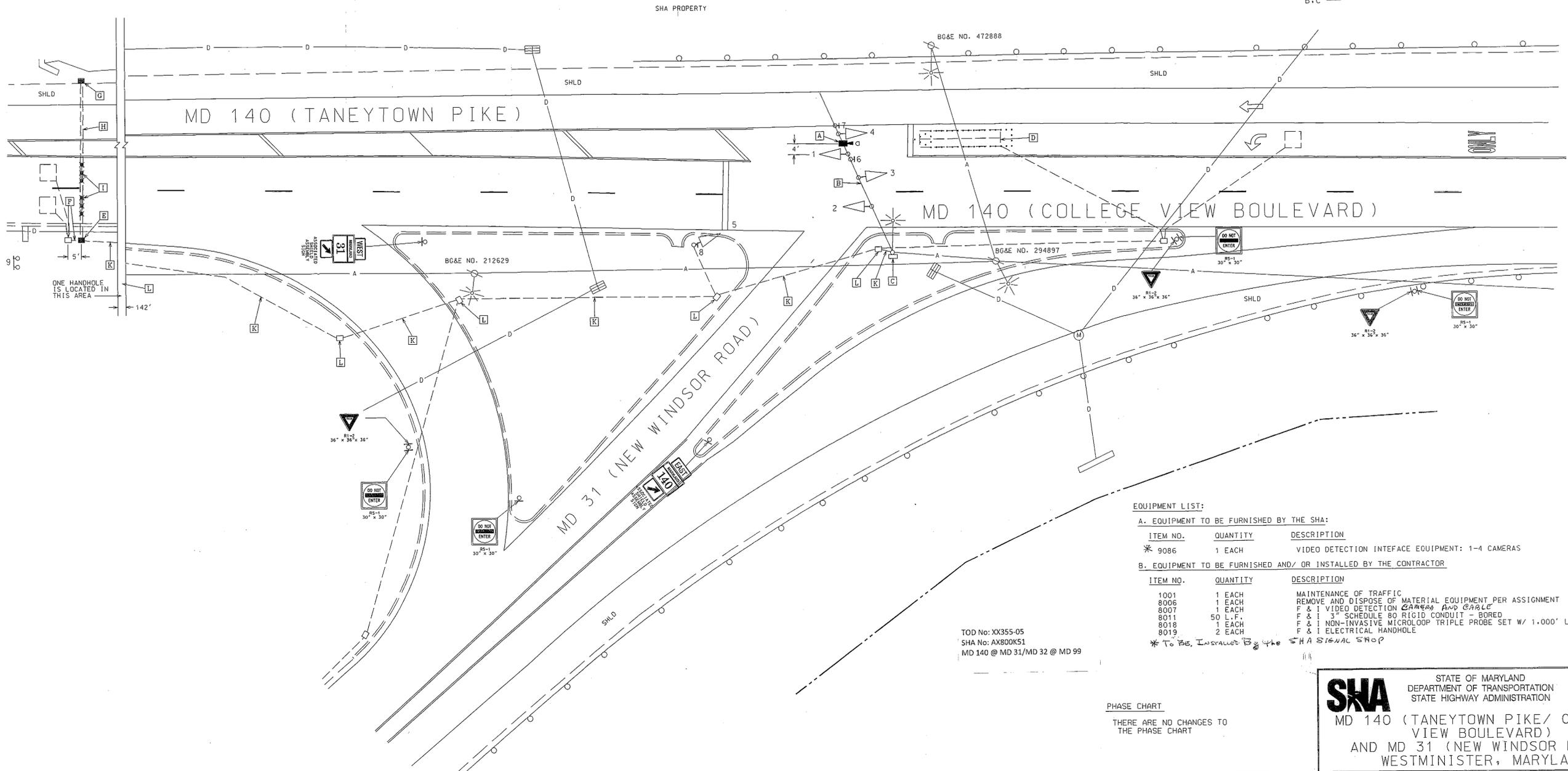
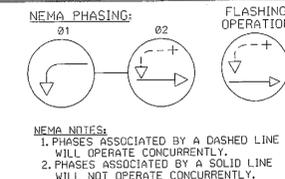
DRILL HOLES

DRILL HOLES

DRILL HOLES



- CONSTRUCTION DETAILS**
- INSTALL THE PROPOSED VIDEO DETECTION CAMERA.
  - USE THE EXISTING MAST ARM.
  - USE THE EXISTING CONTROLLER CABINET.
  - DISCONNECT THE EXISTING LOOP DETECTOR.
  - INSTALL THE PROPOSED HANDHOLE OVER THE EXISTING CONDUIT.
  - REMOVE THE EXISTING HANDHOLE AND CAP THE UNUSED CONDUIT.
  - INSTALL THE PROPOSED HANDHOLE.
  - INSTALL THE 3" CONDUIT SCHEDULE 80 CONDUIT - BORED FOR THE NON-INVASIVE PROBE SET.
  - INSTALL THE NON-INVASIVE MICROLOOP TRIPLE PROBE SET IN THE PROPOSED CONDUIT.
  - DISCONNECT THE EXISTING LOOP DETECTOR.
  - USE THE EXISTING CONDUIT.
  - USE THE EXISTING HANDHOLE.



**EQUIPMENT LIST:**

A. EQUIPMENT TO BE FURNISHED BY THE SHA:

| ITEM NO. | QUANTITY | DESCRIPTION                                     |
|----------|----------|---|
| * 9086   | 1 EACH   | VIDEO DETECTION INTEFACE EQUIPMENT: 1-4 CAMERAS |

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

| ITEM NO. | QUANTITY | DESCRIPTION   |
|----------|----------|---|
| 1001     | 1 EACH   | MAINTENANCE OF TRAFFIC  |
| 8006     | 1 EACH   | REMOVE AND DISPOSE OF MATERIAL EQUIPMENT PER ASSIGNMENT               |
| 8007     | 1 EACH   | F & I VIDEO DETECTION CAMERA AND CABLE                                |
| 8011     | 50 L.F.  | F & I 3" SCHEDULE 80 RIGID CONDUIT - BORED                            |
| 8018     | 1 EACH   | F & I NON-INVASIVE MICROLOOP TRIPLE PROBE SET W/ 1,000' LEAD-IN CABLE |
| 8019     | 2 EACH   | F & I ELECTRICAL HANDHOLE   |

\* To Be Installed By the SHA Signal Shop

TOD No: XX355-05  
SHA No: AX800K51  
MD 140 @ MD 31/MD 32 @ MD 99

**PHASE CHART**  
THERE ARE NO CHANGES TO THE PHASE CHART

**NOTES TO THE CONTRACTOR:**

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS.

**UTILITY LEGEND**

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

**THE PROJECT CONTACTS ARE AS FOLLOWS:**

|  |   |
|--|---|
| MR. JOHN CONCANNON<br>ASSISTANT DISTRICT ENGINEER- TRAFFIC<br>PHONE: (301) 624-8140          | MR. RICHARD DAFF<br>CHIEF, TRAFFIC OPERATIONS DIVISION<br>PHONE: (410) 787-7630                     |
| MR. RAYMOND F. JOHNSON<br>ASSISTANT DISTRICT ENGINEER - MAINTENANCE<br>PHONE: (301) 624-8105 | MR. ROBERT SNYDER<br>ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION<br>PHONE: (410) 787-7631 |
| MS. ANDREA ABEND<br>ASSISTANT DISTRICT ENGINEER - UTILITIES<br>PHONE: (301) 624-8115         | MR. EDWARD RODENHIZER<br>CHIEF, SIGNAL OPERATIONS SECTION<br>PHONE: (410) 787-7652                  |

| APPROVALS            | REVISIONS   |
|----------------------|---|
| TEAM LEADER          | 1. 12/20/99 - UPGRADE EXISTING DETECTION TO VIDEO CAMERAS                       |
| ASST. DISTRICT CHIEF | 2. 1/21/00 - INSTALLATION OF PEDESTAL POLE FOR ADDITIONAL LEFT TURN SIGNAL HEAD |
| DIVISION CHIEF       | 3. 07/20/1999 - REVISE W/B MD 140 SIGNALS                                       |
| OFFICE DIRECTOR      | 4. 07/24/1999 - MODIFY FOR GEOMETRICS AND CHANGE OPERATION                      |

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

MD 140 (TANEYTOWN PIKE/ COLLEGE VIEW BOULEVARD)  
AND MD 31 (NEW WINDSOR ROAD)  
WESTMINISTER, MARYLAND

SCALE 1" = 20' DATE 02/13/1992 CONTRACT NO. XX1065285

DESIGNED BY: Bruce Thompson COUNTY: CARROLL  
DRAWN BY: Bruce Thompson LOGMILE: 06014010.67  
CHECKED BY: TMS NO.: J941  
F.A.P. NO.: TOD NO.:

DRAWING NO. 3214 E - OF SHEET NO. 1 OF 1