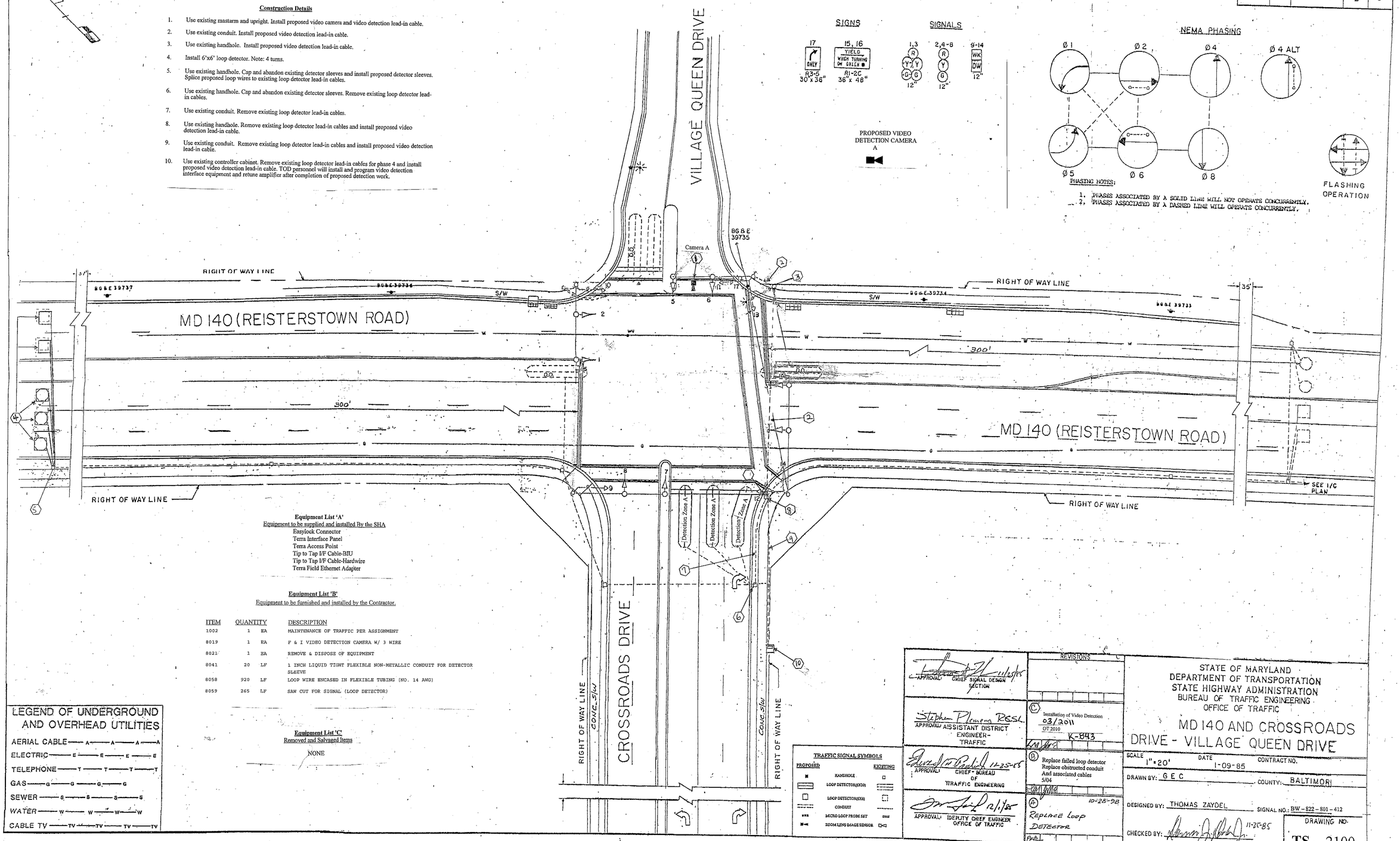
| F.H.W.A. REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | MD. | | 2 | 8 |

**Construction Details**

1. Use existing mastarm and upright. Install proposed video camera and video detection lead-in cable.
2. Use existing conduit. Install proposed video detection lead-in cable.
3. Use existing handhole. Install proposed video detection lead-in cable.
4. Install 6'x6' loop detector. Note: 4 turns.
5. Use existing handhole. Cap and abandon existing detector sleeves and install proposed detector sleeves. Splice proposed loop wires to existing loop detector lead-in cables.
6. Use existing handhole. Cap and abandon existing detector sleeves. Remove existing loop detector lead-in cables.
7. Use existing conduit. Remove existing loop detector lead-in cables.
8. Use existing handhole. Remove existing loop detector lead-in cables and install proposed video detection lead-in cable.
9. Use existing conduit. Remove existing loop detector lead-in cables and install proposed video detection lead-in cable.
10. Use existing controller cabinet. Remove existing loop detector lead-in cables for phase 4 and install proposed video detection lead-in cable. TOD personnel will install and program video detection interface equipment and retune amplifier after completion of proposed detection work.




PHASING NOTES:

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

**Equipment List 'A'**
Equipment to be supplied and installed By the SHA

Easylock Connector
Terra Interface Panel
Terra Access Point
Tip to Tap I/F Cable-BIU
Tip to Tap I/F Cable-Hardwire
Terra Field Ethernet Adapter

**Equipment List 'B'**
Equipment to be furnished and installed by the Contractor.

| ITEM | QUANTITY | | DESCRIPTION |
|---|---|---|---|
| 1002 | 1 | EA | MAINTENANCE OF TRAFFIC PER ASSIGNMENT |
| 8019 | 1 | EA | F & I VIDEO DETECTION CAMERA W/ 3 WIRE |
| 8021 | 1 | EA | REMOVE & DISPOSE OF EQUIPMENT |
| 8041 | 20 | LF | 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE |
| 8058 | 920 | LF | LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG) |
| 8059 | 265 | LF | SAW CUT FOR SIGNAL (LOOP DETECTOR) |

**Equipment List 'C'**
Removed and Salvaged Items

NONE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A — A — A
ELECTRIC — E — E — E — E
TELEPHONE — T — T — T — T
GAS — G — G — G — G
SEWER — S — S — S — S
WATER — W — W — W — W
CABLE TV — TV — TV — TV — TV

TRAFFIC SIGNAL SYMBOLS

| PROPOSED | | EXISTING |
|---|---|---|
| | HANDHOLE | |
| | LOOP DETECTOR(5X30) | |
| | LOOP DETECTOR(5X6) | |
| | CONDUIT | |
| | MICRO LOOP PROBE SET | |
| | ZOOM LENS IMAGE SENSOR | |

APPROVAL: CHIEF SIGNAL DESIGN SECTION 11/25/85

APPROVAL: Stephen Plemens RESL. ASSISTANT DISTRICT ENGINEER-TRAFFIC

APPROVAL: CHIEF - BUREAU OF TRAFFIC ENGINEERING 11-25-85

APPROVAL: DEPUTY CHIEF ENGINEER OFFICE OF TRAFFIC 12/1/85

REVISIONS

(C) Installation of Video Detection 03/2011 OT 2010 K-843

(B) Replace failed loop detector Replace obstructed conduit And associated cables 5/04

(A) 10-28-98 Replace Loop Detector

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
BUREAU OF TRAFFIC ENGINEERING
OFFICE OF TRAFFIC

MD 140 AND CROSSROADS DRIVE - VILLAGE QUEEN DRIVE

SCALE 1"=20' DATE 1-09-85 CONTRACT NO.

DRAWN BY: G E C COUNTY: BALTIMORE

DESIGNED BY: THOMAS ZAYDEL SIGNAL NO.: BW-822-801-412

CHECKED BY: 11-25-85

DRAWING NO. TS - 2100