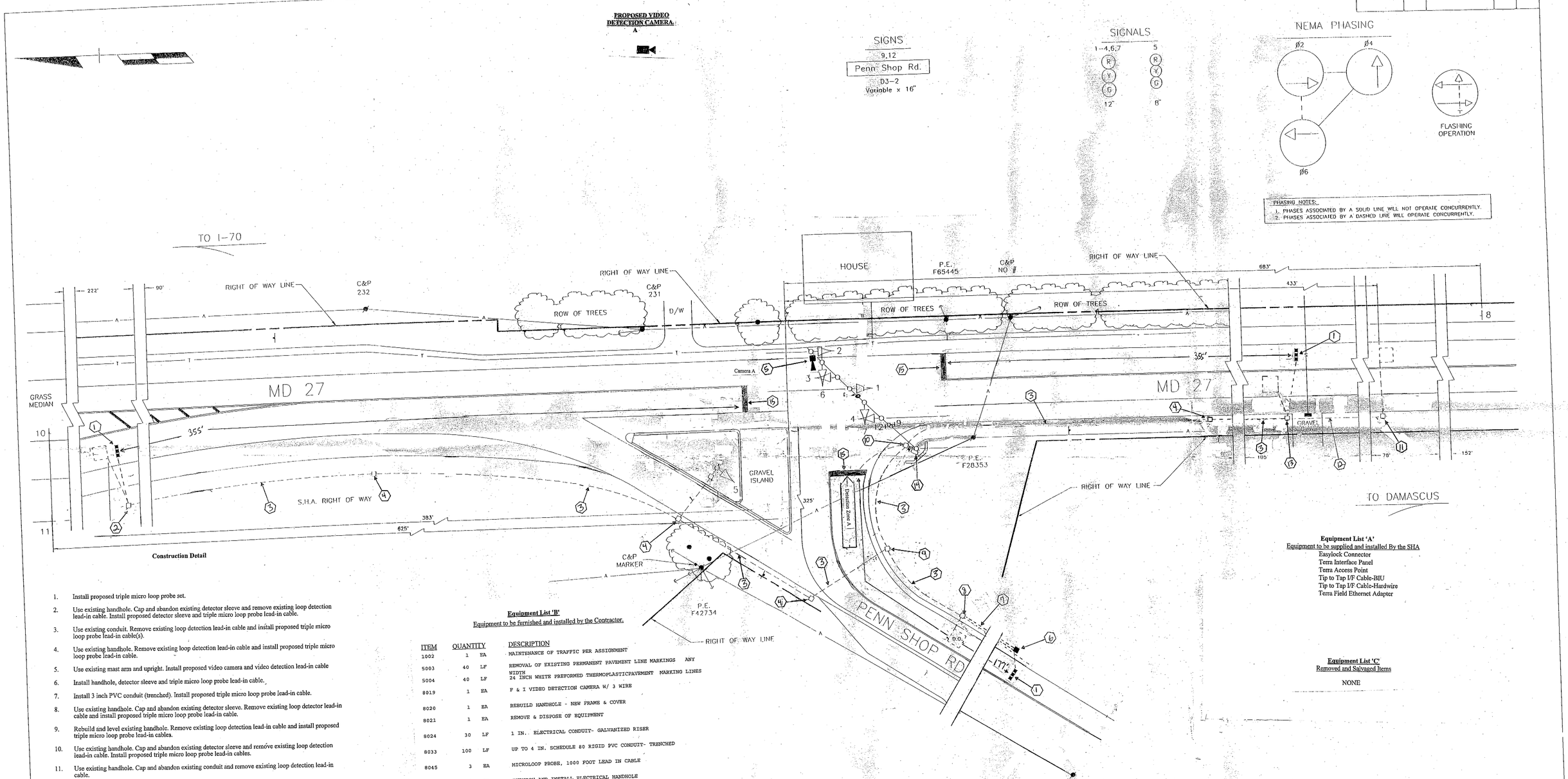
F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



Construction Detail

1. Install proposed triple micro loop probe set.
2. Use existing handhole. Cap and abandon existing detector sleeve and remove existing loop detection lead-in cable. Install proposed detector sleeve and triple micro loop probe lead-in cable.
3. Use existing conduit. Remove existing loop detection lead-in cable and install proposed triple micro loop probe lead-in cable(s).
4. Use existing handhole. Remove existing loop detection lead-in cable and install proposed triple micro loop probe lead-in cable.
5. Use existing mast arm and upright. Install proposed video camera and video detection lead-in cable
6. Install handhole, detector sleeve and triple micro loop probe lead-in cable.
7. Install 3 inch PVC conduit (trenched). Install proposed triple micro loop probe lead-in cable.
8. Use existing handhole. Cap and abandon existing detector sleeve. Remove existing loop detector lead-in cable and install proposed triple micro loop probe lead-in cable.
9. Rebuild and level existing handhole. Remove existing loop detection lead-in cable and install proposed triple micro loop probe lead-in cables.
10. Use existing handhole. Cap and abandon existing detector sleeve and remove existing loop detection lead-in cable. Install proposed triple micro loop probe lead-in cables.
11. Use existing handhole. Cap and abandon existing conduit and remove existing loop detection lead-in cable.
12. Use existing conduit. Remove existing loop detection lead-in cable.
13. Use existing handhole. Install proposed detector sleeve and triple micro loop probe lead-in cable.
14. Use existing upright and cabinet. Remove existing loop detection lead-in cables for phases 2, 4 & 6. Install proposed triple micro loop probe and video detection lead-in cables. Install riser to accommodate phone drop. TOD personnel will install and program video detection interface equipment and re-tune amplifiers after completion of proposed detection work.
15. Remove existing stop line and replace in accordance to SHA Standards.

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
5003	40	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
5004	40	LF	24 INCH WHITE PREFORMED THERMOPLASTICPAVEMENT MARKING LINES
8019	1	EA	F & I VIDEO DETECTION CAMERA W/ 3 WIRE
8020	1	EA	REBUILD HANDHOLE - NEW FRAME & COVER
8021	1	EA	REMOVE & DISPOSE OF EQUIPMENT
8024	30	LF	1 IN. ELECTRICAL CONDUIT- GALVANIZED RISER
8033	100	LF	UP TO 4 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
8045	3	EA	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
8047	1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8059	40	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
ELECTRIC	E	E	E
TELEPHONE	T	T	T
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
CABLE TV	TV	TV	TV

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
▭	LOOP DETECTOR(6X30)	▭
□	LOOP DETECTOR(6X6)	□
═	CONDUIT	═
▪▪▪	MICRO LOOP PROBE SET	▪▪▪

REVISIONS

A	Installation of Video Detection OT 2010 April 2011

APPROVALS

D. A. Zaiss
CHIEF, DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC
7-1-92
CHIEF, TRAFFIC ENGINEERING DIVISION

7-1-92
DIRECTOR, OFFICE OF TRAFFIC AND SAFTY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic and Safety
TRAFFIC ENGINEERING DESIGN DIVISION

LOG MILE: 10002700.13

SIGNAL NUMBER:
DRAWN BY: S.R. BARANOWSKI (FOR STS)
DES. BY: R.R. ZACHERL (FOR STS)
CHK. BY: 7-1-92
DATE: 6-11-92
SCALE: 1" = 20'

MD 27 AND PENN SHOP RD.
COUNTY FREDERICK

F.A.P. NO.
S.H.A. NO. F.235-459-785

TS/STD. NO. 3251

SHEET NO. 1 OF 1