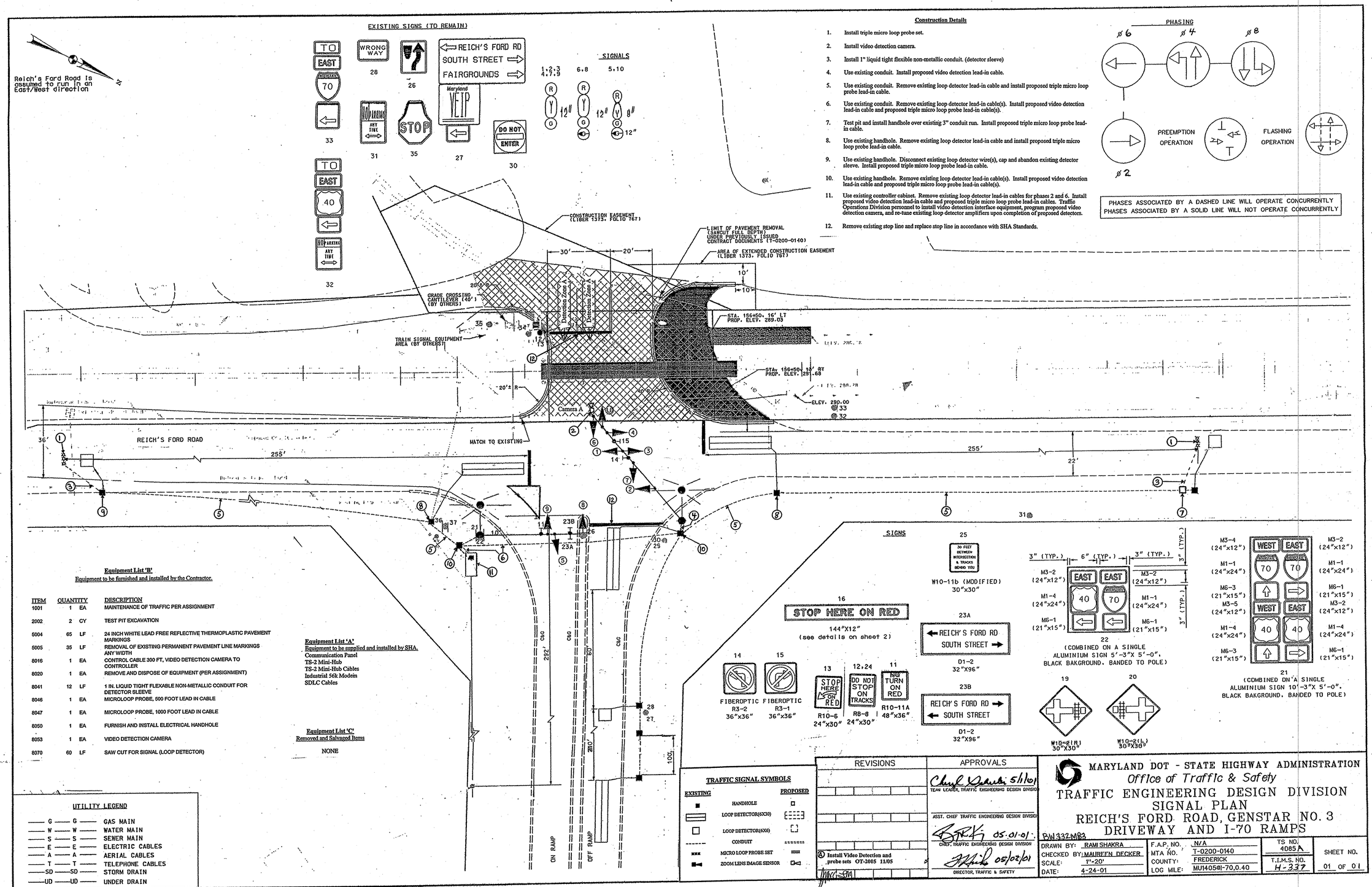

Construction Details

1. Install triple micro loop probe set.
2. Install video detection camera.
3. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
4. Use existing conduit. Install proposed video detection lead-in cable.
5. Use existing conduit. Remove existing loop detector lead-in cable and install proposed triple micro loop probe lead-in cable.
6. Use existing conduit. Remove existing loop detector lead-in cable(s). Install proposed video detection lead-in cable and proposed triple micro loop probe lead-in cable(s).
7. Test pit and install handhole over existing 3" conduit run. Install proposed triple micro loop probe lead-in cable.
8. Use existing handhole. Remove existing loop detector lead-in cable and install proposed triple micro loop probe lead-in cable.
9. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve. Install proposed triple micro loop probe lead-in cable.
10. Use existing handhole. Remove existing loop detector lead-in cable(s). Install proposed video detection lead-in cable and proposed triple micro loop probe lead-in cable(s).
11. Use existing controller cabinet. Remove existing loop detector lead-in cables for phases 2 and 6. Install proposed video detection lead-in cable and proposed triple micro loop probe lead-in cables. Traffic Operations Division personnel to install video detection interface equipment, program proposed video detection camera, and re-tune existing loop detector amplifiers upon completion of proposed detectors.
12. Remove existing stop line and replace stop line in accordance with SHA Standards.

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

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	2	CY	TEST PIT EXCAVATION
5004	65	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	35	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8016	1	EA	CONTROL CABLE 300 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8020	1	EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8041	12	LF	1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8046	1	EA	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
8047	1	EA	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
8050	1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8053	1	EA	VIDEO DETECTION CAMERA
8070	60	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

Equipment List 'A'
Equipment to be supplied and installed by SHA.
Communication Panel
TS-2 Mini-Hub
TS-2 Mini-Hub Cables
Industrial 56k Modem
SDLC Cables

Equipment List 'C'
Removed and Salvaged Items

NONE

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
SD	STORM DRAIN
UD	UNDER DRAIN

TRAFFIC SIGNAL SYMBOLS

EXISTING		PROPOSED
■	HANDHOLE	□
▭	LOOP DETECTOR(6X30)	▭
□	LOOP DETECTOR(6X6)	□
------	CONDUIT	-------
▪▪▪	MICRO LOOP PROBE SET	▪▪▪
◄■	ZOOM LENS IMAGE SENSOR	◄□

REVISIONS

A Install Video Detection and probe sets OT-2005 11/05

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 5/1/01
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 05.01.01
DIRECTOR, TRAFFIC & SAFETY — 05/02/01

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNAL PLAN
REICH'S FORD ROAD, GENSTAR NO. 3 DRIVEWAY AND I-70 RAMPS

PW 332-M03

DRAWN BY: RAMI SHAKRA	F.A.P. NO. N/A	TS NO. 4085A	SHEET NO.
CHECKED BY: MAUREEN DECKER	MTA NO. T-0200-0140		
SCALE: 1"=20'	COUNTY: FREDERICK	T.L.M.S. NO. H-337	01 OF 01
DATE: 4-24-01	LOG MILE: MU1405B1-70,0.40		