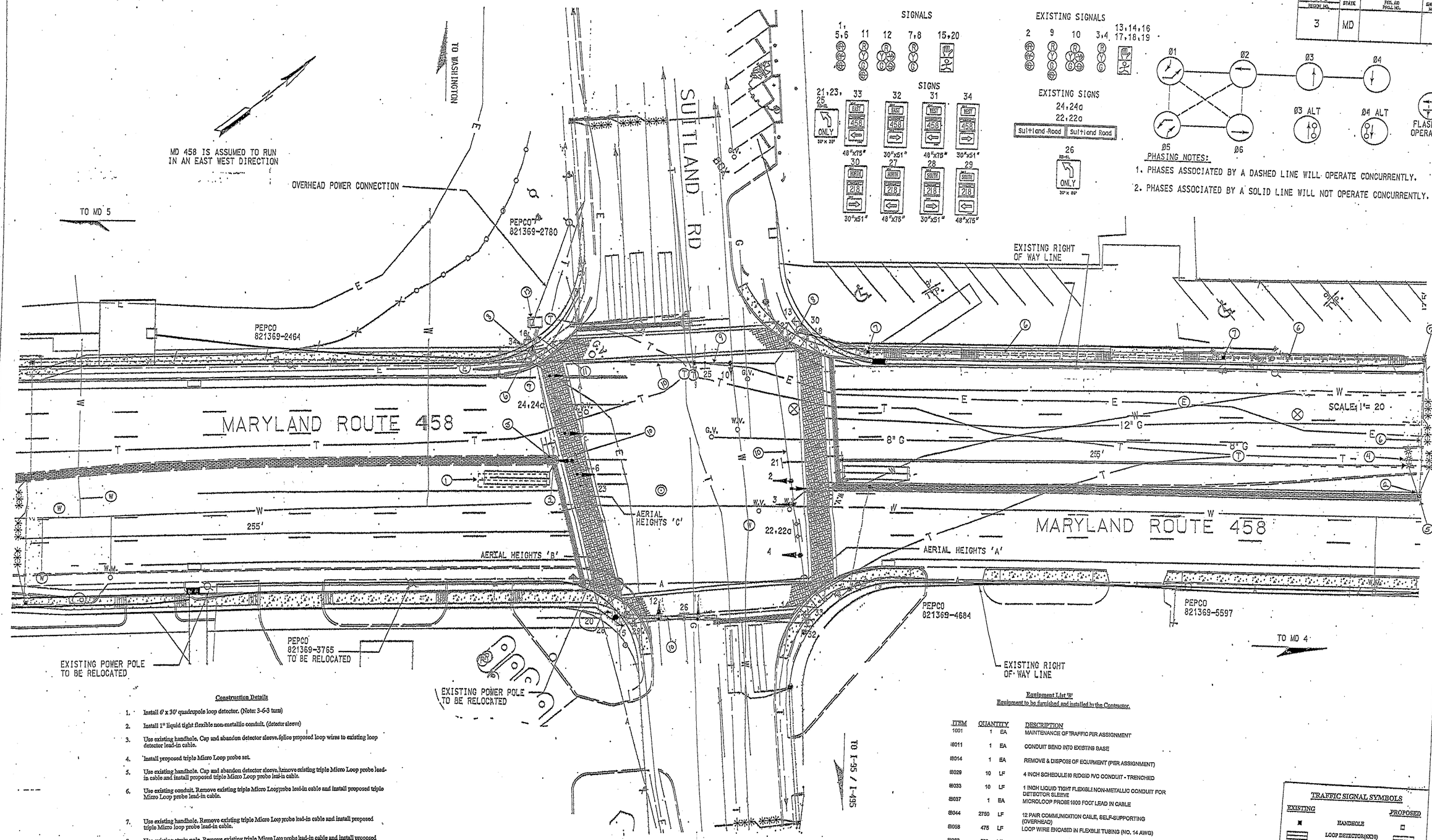
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



Construction Details

1. Install 6' x 30' quadrupole loop detector. (Note: 3-6-3 turn)
2. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
3. Use existing handhole. Cap and abandon detector sleeve. Splice proposed loop wires to existing loop detector lead-in cable.
4. Install proposed triple Micro Loop probe set.
5. Use existing handhole. Cap and abandon detector sleeve. Remove existing triple Micro Loop probe lead-in cable and install proposed triple Micro Loop probe lead-in cable.
6. Use existing conduit. Remove existing triple Micro Loop probe lead-in cable and install proposed triple Micro Loop probe lead-in cable.
7. Use existing handhole. Remove existing triple Micro Loop probe lead-in cable and install proposed triple Micro loop probe lead-in cable.
8. Use existing strain pole. Remove existing triple Micro Loop probe lead-in cable and install proposed triple Micro Loop probe lead-in cable.
9. Use existing span wire. Remove existing triple micro Loop probe lead-in cable and install proposed triple Micro Loop probe lead-in cable.
10. Install bottom span wire, tether existing signs and signals.
11. Install 4" schedule 80 polyvinyl chloride electrical conduit (trenched). Re-rout all detection wires into proposed conduit run and bend.
12. Use existing controller cabinet. Install 4" schedule 80 polyvinyl chloride bend. Re-rout all detection cables. Remove existing triple Micro Loop probe set lead-in cable for detective phase 2 detector and install proposed triple Micro loop probe set lead-in cable. Traffic Operations Division personnel will re-tune amplifiers after completion of proposed work.

Equipment List 'A'

Equipment to be supplied by the S.H.A. and installed by the Contractor.

DESCRIPTION
NO SHA MATERIALS

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8011	1	EA	CONDUIT BEND INTO EXISTING BASE
8014	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8029	10	LF	4 INCH SCHEDULE 80 RIDGID PVC CONDUIT - TRENCHED
8033	10	LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8037	1	EA	MICROLOOP PROBE 1000 FOOT LEAD IN CABLE
8044	2750	LF	12 PAIR COMMUNICATION CABLE, SELF-SUPPORTING (OVERHEAD)
8058	475	LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8063	550	LF	STEEL SPAN WIRE 1/4 INCH DIAMETER
NIEG	1	EA	RE-ROUTE ALL DETECTION WIRES INTO PROPOSED CONDUIT BEND

Equipment List 'C'

DESCRIPTION
NO REMOVAL AND SALVAGE ITEMS

TRAFFIC SIGNAL SYMBOLS

EXISTING		PROPOSED
	HANDHOLE	
	LOOP DETECTOR(6X30)	
	LOOP DETECTOR(6X6)	
	CONDUIT	
	MICRO LOOP PROBE SET	
	ZOOM LENS IMAGE SENSOR	

LEGEND OF UTILITIES

A — A	AERIAL
G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
T — T	TELEPHONE CABLES
C — C	CABLE TELEVISION

REVISIONS	APPROVALS
3 Revised Pole 14 Loop Detectors 12-15-04	DESIGN
2 4-1-99 INSTALLATION DETS. (SENSITIVE ISSUES)	MARYLAND DEPARTMENT OF TRANSPORTATION
1	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
3 9-24-98 INSTALLATION DETS. (SENSITIVE ISSUES)	DIRECTOR, TRAFFIC & SAFETY
4 7-17-98 INSTALLATION DETS.	

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

MD 458 (SILVER HILL ROAD)
AT SUITLAND ROAD

LOG MILE: 16021801.64

DRAWN BY:	STEVE BENZI	F.A.P. NO.	UD-0022 (1)	TS NO. 246-D
CHK. BY:	STEVE BENZI	S.H.A. NO.	P-332-001-036	SHEET NO. OF
SCALE:	1"=20'	COUNTY	PRINCE GEORGE'S	
DATE:	6-24-98			

SHA#: 27868T6139

TOD#: UT2008-47

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A File: 08-98 12:15 :16-Oct-98 12:15