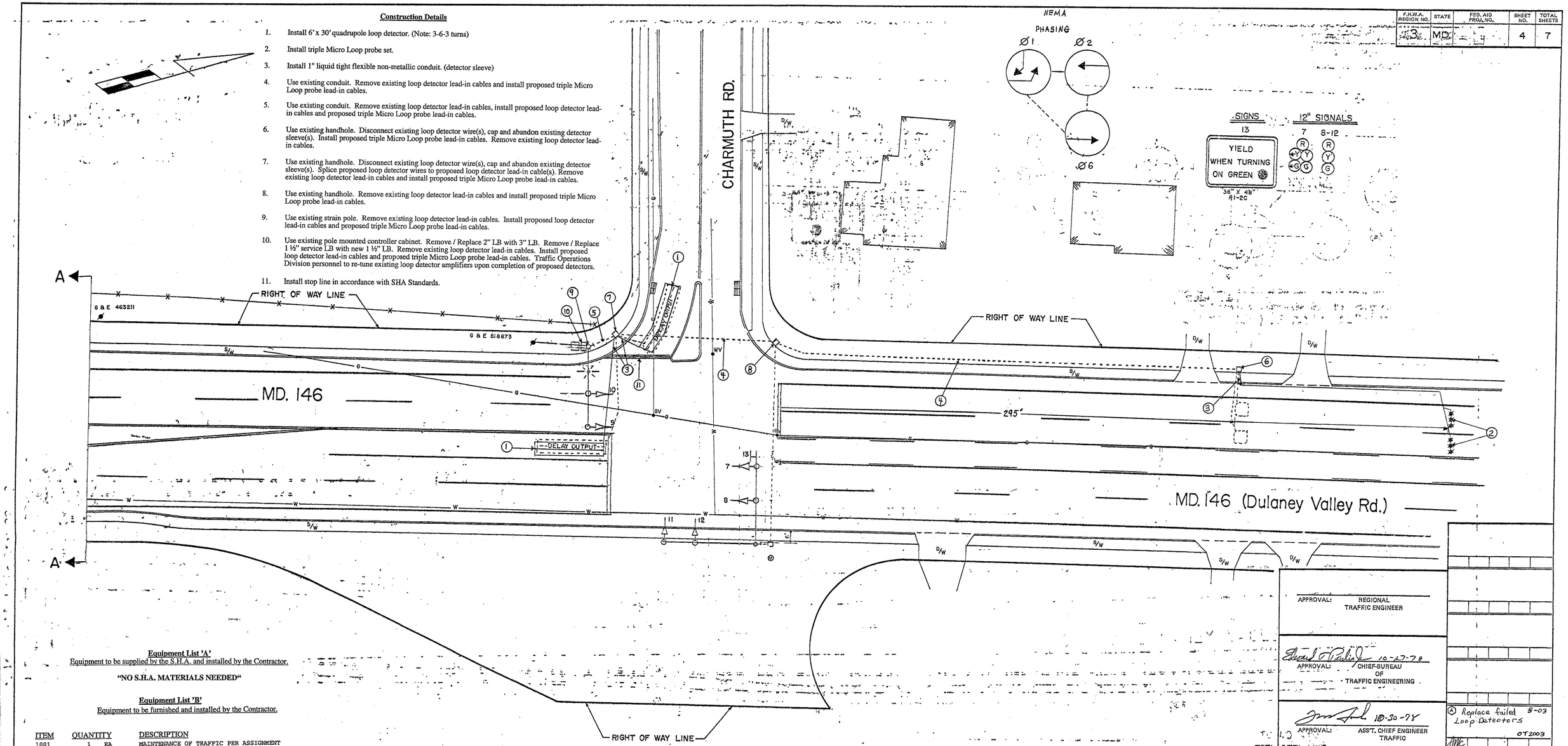
K&E BALTIMORE 17 0153 PHOENIX 10-78 MC 4136•

F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		4	7

Construction Details

1. Install 6' x 30' quadrupole loop detector. (Note: 3-6-3 turns)
2. Install triple Micro Loop probe set.
3. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
4. Use existing conduit. Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe lead-in cables.
5. Use existing conduit. Remove existing loop detector lead-in cables, install proposed loop detector lead-in cables and proposed triple Micro Loop probe lead-in cables.
6. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Install proposed triple Micro Loop probe lead-in cables. Remove existing loop detector lead-in cables.
7. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Splice proposed loop detector wires to proposed loop detector lead-in cable(s). Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe lead-in cables.
8. Use existing handhole. Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe lead-in cables.
9. Use existing strain pole. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables and proposed triple Micro Loop probe lead-in cables.
10. Use existing pole mounted controller cabinet. Remove / Replace 2" LB with 3" LB. Remove / Replace 1 ½" service LB with new 1 ½" LB. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables and proposed triple Micro Loop probe lead-in cables. Traffic Operations Division personnel to re-tune existing loop detector amplifiers upon completion of proposed detectors.
11. Install stop line in accordance with SHA Standards.



Equipment List 'A'

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

"NO S.H.A. MATERIALS NEEDED"

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	30	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8005	2	EA	3/4 INCH TO 3 INCH BLIND COUPLING FOR TRAFFIC SIGNAL STRUCTURE, WELDED & GALV
8014	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8015	1	EA	REMOVE & REINSTALL POLE MOUNTED CABINET WITH 3 INCH LB
8033	22	LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8037	2	EA	MICROLOOP PROBE 1000 FOOT LEAD IN CABLE
8053	50	LF	ELECTRICAL CABLE 2 CONDUCTOR ALUMINUM SHIELDED
8058	1060	LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8059	375	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

Equipment List 'C'

Removed and Salvaged Items

NONE

TRAFFIC SIGNAL SYMBOLS

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

LEGEND OF UNDERGROUND UTILITIES

G G	GAS MAIN
W W	WATER MAIN
S S	SEWER MAIN
E E	ELECTRIC CABLES
T T	TELEPHONE CABLES
A A	AERIAL CABLES

APPROVAL: REGIONAL TRAFFIC ENGINEER

APPROVAL: CHIEF-BUREAU OF TRAFFIC ENGINEERING 10-27-78

APPROVAL: ASS'T. CHIEF ENGINEER TRAFFIC 10-30-78

(A) Replace failed Loop Detectors 5-03 OT2003

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

TRAFFIC DIVISION – BUREAU OF TRAFFIC ENGINEERING

MD 146 (Dulaney Valley Rd.) & CHARMUTH RD.

SCALE 1" = 20' DATE MAY 25, 1978 CONTRACT NO. B 531-501-485

DRAWN BY: H. KILIAN COUNTY: BALTIMORE

DESIGNED BY: SIGNAL NO.: #1

CHECKED BY: 10/31/78

DRAWING NO. TS-1082

SHA #: 23853T2509715 TOD #: OT-2003-15