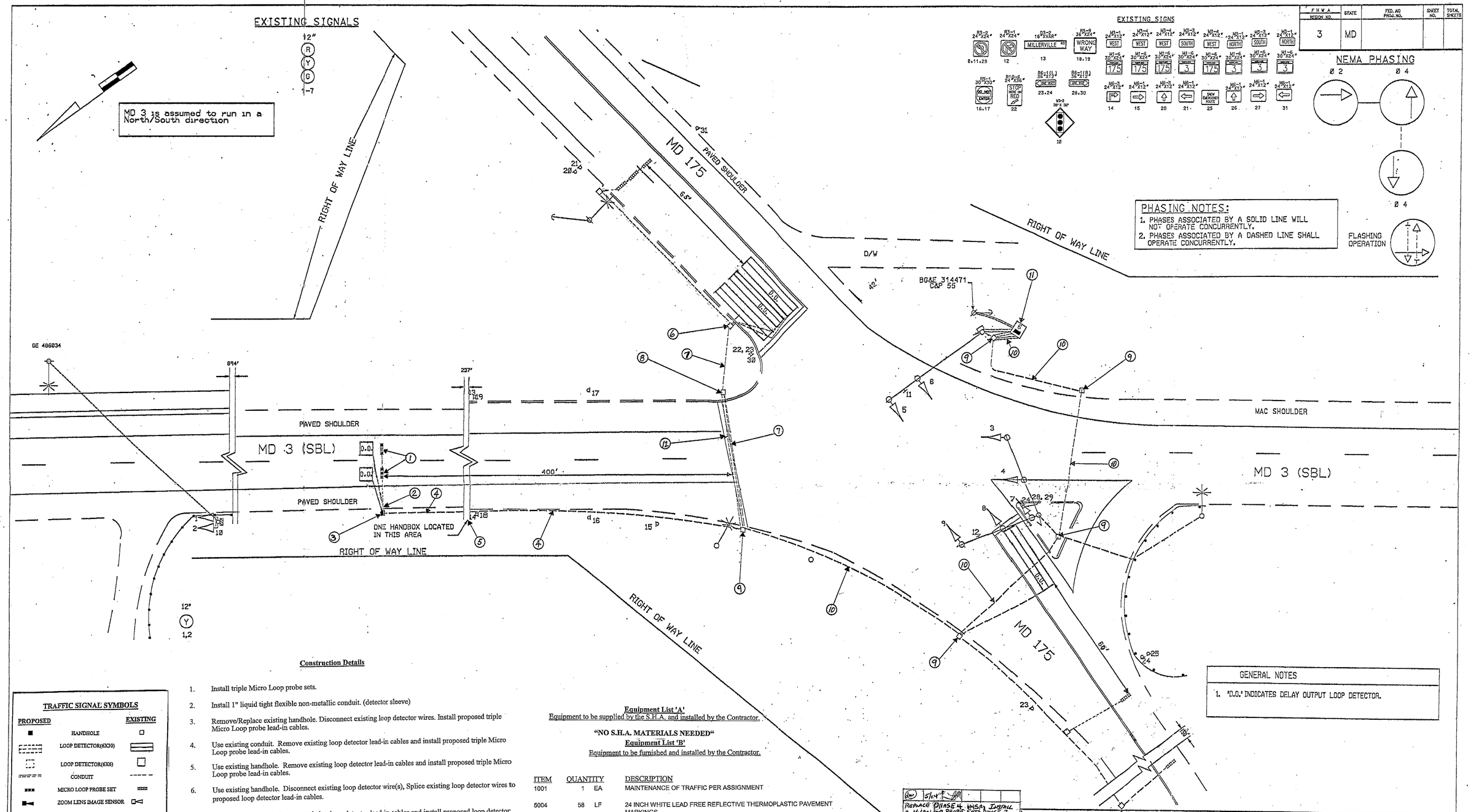

F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

Construction Details

1. Install triple Micro Loop probe sets.
2. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
3. Remove/Replace existing handhole. Disconnect existing loop detector wires. Install proposed triple Micro Loop probe lead-in cables.
4. Use existing conduit. Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe lead-in cables.
5. Use existing handhole. Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe lead-in cables.
6. Use existing handhole. Disconnect existing loop detector wire(s), Splice existing loop detector wires to proposed loop detector lead-in cables.
7. Use existing conduit. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.
8. Use existing handhole. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.
9. Use existing handhole. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables and proposed triple Micro Loop probe lead-in cables.
10. Use existing conduit. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables and proposed triple Micro Loop probe lead-in cables.
11. Use existing controller cabinet. Remove existing loop detector lead-in cables and install proposed 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.
12. Remove existing stop line and replace 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	58	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	58	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8014	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8033	6	LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8037	2	EA	MICROLOOP PROBE 1000 FOOT LEAD IN CABLE
8040	1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8053	1380	LF	ELECTRICAL CABLE 2 CONDUCTOR ALUMINUM SHIELDED

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	
	ZOOM LENS IMAGE SENSOR	

UTILITY LEGEND

T	T	TELEPHONE CABLES
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
BC		BURIED CABLE
SD		STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

GENERAL NOTES

1. 'D.O.' INDICATES DELAY OUTPUT LOOP DETECTOR.

G	REPLACE CONTROLLER & CABINET. ADD PHONE DROP	
F	MODIFY DESIGN TO MAST ARMS SHA# 855-25033003	2-22-80
E	REPLACE EXISTING LOOPS WITH NEW DETECTORS SHA# 855-25002	2-22-85

REPLACE PHASE 4, MAST ARM INSTALL 2 MICROLOOP PROBE SETS PHASE 2 AND 1 PHASE 2 HAND HOLE

DAB | RCS

EBA
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

JMT
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

APPROVALS

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 3 (SBL) AND
MD 175

LOGMILE #: 02500305.65

DATE 07/20/98

DRAWN BY: B THOMPSON	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
CHECK BY: S. RENZI	S.H.A. NO.	TS-179G	2 OF 10
SCALE: 1"=20'	COUNTY ANNE ARUNDEL		

SHA#: 2585512509717 TOD#: DT-2003-17