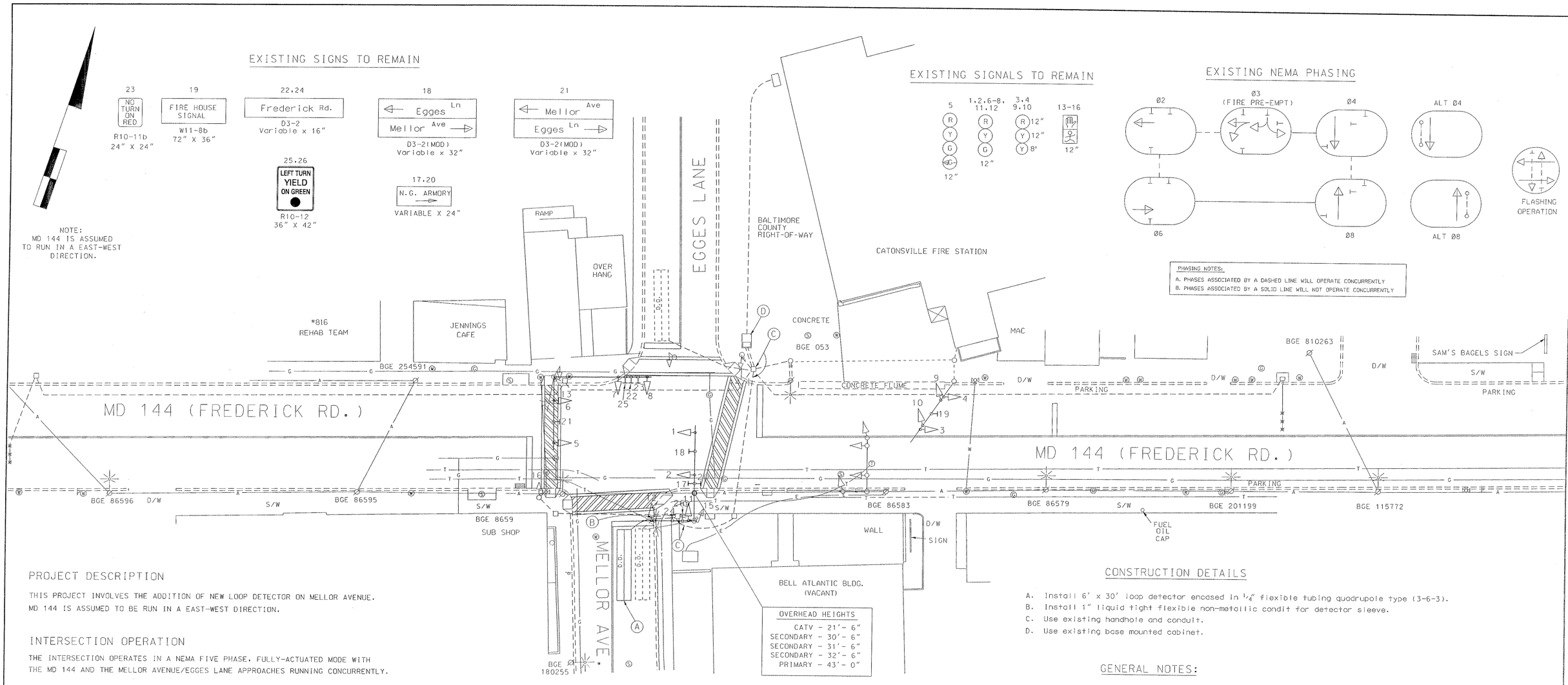

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE ADDITION OF NEW LOOP DETECTOR ON MELLOR AVENUE. MD 144 IS ASSUMED TO BE RUN IN A EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FIVE PHASE, FULLY-ACTUATED MODE WITH THE MD 144 AND THE MELLOR AVENUE/EGGES LANE APPROACHES RUNNING CONCURRENTLY.

EQUIPMENT LIST "A"

EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE S.H.A.

NONE

EQUIPMENT LIST "B"

EQUIPMENT TO BE FURNISHED/INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	UNIT	CAT. CODE NO.	DESCRIPTION
1001	1	EA	100000	MAINTENANCE OF TRAFFIC
8068	6	LF	805160	F & I 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8081	110	LF	861104	F & I ELECRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8087	440	LF	862101	F & I LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8088	120	LF	862102	F & I SAW CUT FOR SIGNAL (LOOP DETECTOR)

EQUIPMENT LIST "C"

EQUIPMENT TO BE RETURNED TO THE S.H.A.

NONE

CONSTRUCTION DETAILS

A. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
B. Install 1" liquid tight flexible non-metallic condit for detector sleeve.
C. Use existing handhole and conduit.
D. Use existing base mounted cabinet.

GENERAL NOTES:

1. "D.O." indicates a delay-output loop detector.
2. The Right-of-way line along MD 144 is at the back edge of the sidewalk.
3. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying 'MISS UTILITY' prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

BALTO. CO. DRAWING NUMBER 97 - 1226

REVISIONS	APPROVALS
E 5-10-02 ADD NEW LOOP DETECTOR ON MELLOR AVE. S.H.A. NO.: XX1095385 GCP	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
D 11-13-98 RECONSTRUCT THE EXISTING SIGNAL S.H.A. NO.: MSHA BA.CO.	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
C 12-14-82 INSTALLED PED PHASE	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
B 9-22-76 SPLIT SIDE ST. PHASE DPC	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 144 (FREDERICK RD.) AND MELLOR AVE./EGGES LANE

DRAWN BY: FLANIGAN (BALTO. CO.)	F.A.P. NO.		TS NO. 3761-E	SHEET NO.
CHECKED BY: E. J. CLIFFORD (BALTO. CO.)	S.H.A. NO.			
SCALE: 1' = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. F-152	1 OF 1
DATE: 3-15-74	LOG MILE:	03014403.53		