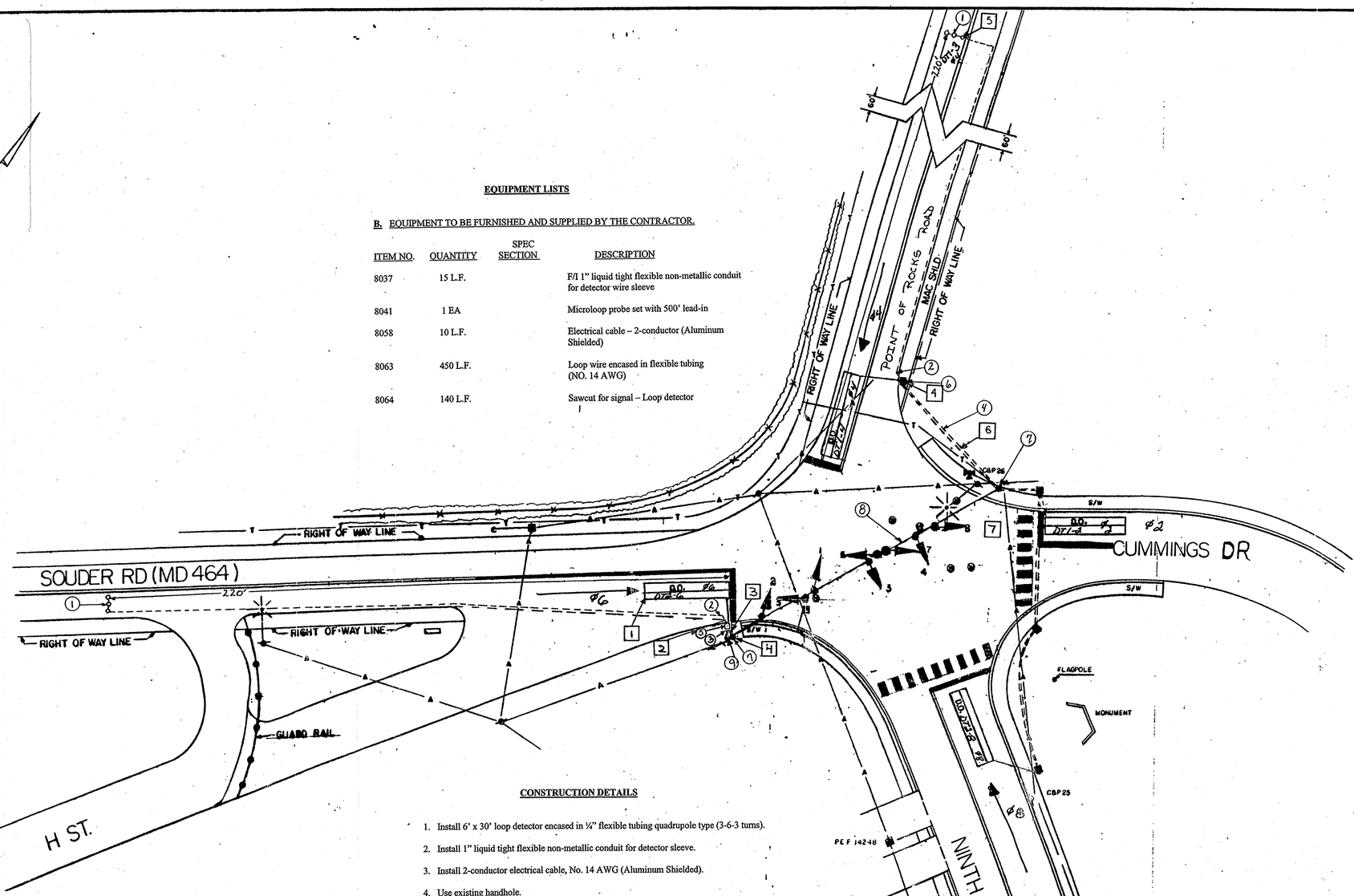
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.			

EQUIPMENT LISTS

B. EQUIPMENT TO BE FURNISHED AND SUPPLIED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	SPEC SECTION	DESCRIPTION
8037	15 L.F.		F/I 1" liquid tight flexible non-metallic conduit for detector wire sleeve
8041	1 EA		Microloop probe set with 500' lead-in
8058	10 L.F.		Electrical cable – 2-conductor (Aluminum Shielded)
8063	450 L.F.		Loop wire encased in flexible tubing (NO. 14 AWG)
8064	140 L.F.		Sawcut for signal – Loop detector



CONSTRUCTION DETAILS

1. Install 6' x 30' loop detector encased in ¼" flexible tubing quadrupole type (3-6-3 turns).
2. Install 1" liquid tight flexible non-metallic conduit for detector sleeve.
3. Install 2-conductor electrical cable, No. 14 AWG (Aluminum Shielded).
4. Use existing handhole.
5. Install micro-loop triple probe set with 500' lead-in cable.
6. Use existing conduit.
7. Use existing pole and span to run lead-in cable over to cabinet.

REVISION NOTES
L.D.O. DENOTES DELAY OUTPUT LOOP DETECTOR

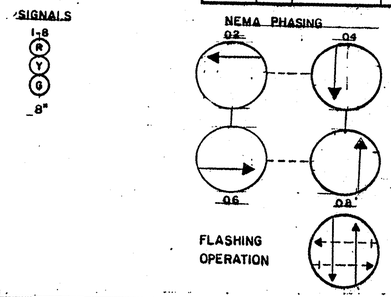
TRAFFIC SIGNAL SYMBOLS

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

LEGEND OF UNDERGROUND UTILITIES

—C—C—	CATV
—W—W—	WATER LINE
—S—S—	SANITARY SEWER
—E—E—	ELECTRIC CABLES
—T—T—	TELEPHONE CABLES
—A—A—	AERIAL CABLES

SIGNALS



NEMA PHASING NOTES
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

APPROVAL: REGIONAL TRAFFIC ENGINEER — 3/8/77

NOTE: THIS IS A REVISED SHEET F-864-501-785 DATED 6-25-73 ORIGINAL PLAN

APPROVAL: CHIEF BUREAU OF TRAFFIC ENGINEERING — 2/24/99

APPROVAL: ASS'T. CHIEF ENGINEER TRAFFIC — 2/24/99

F Replace Failed Loop Detection 7/05

(E) Replace Failed Loop Detection SHA NO: (Pa) 30 4A 52, (Pa) 30 4B 52, (Pa) 30 4C 52 — FAP NOS.: F-864-501-785/F-864-501-785 — GES 08/27/99

(D) 06-90 NEW DET. LOOPS FOR MD. 194 & CUMMINGS DR. SHA: — WM — C. 06-90 AS BUILT

WM

(B) 08-89 - NEW SIGNAL HEADS & LOOPS; REVISE TO SEMI-ACT. PHASING SHA: 855-25017060 — WM — A. 07-89 AS BUILT F-864-501-785 — WM

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

TRAFFIC DIVISION – BUREAU OF TRAFFIC ENGINEERING

MD 464, CUMMINGS DR & NINTH AVE

SCALE 1" = 20' DATE 6-25-73 CONTRACT NO. F-864-501-785

DRAWN BY: M LINARDI COUNTY: FREDERICK

DESIGNED BY: J Hardo SIGNAL NO.:

CHECKED BY: A. Bridinchuk 9-27-76.

DRAWING NO. TS-965D

BRUNING 44-511 19927