F H WA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.	AW - 2775185	01	01

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A H.I.B ADVANCE WARNING SIGNAL

CONSTRUCTION DETAILS

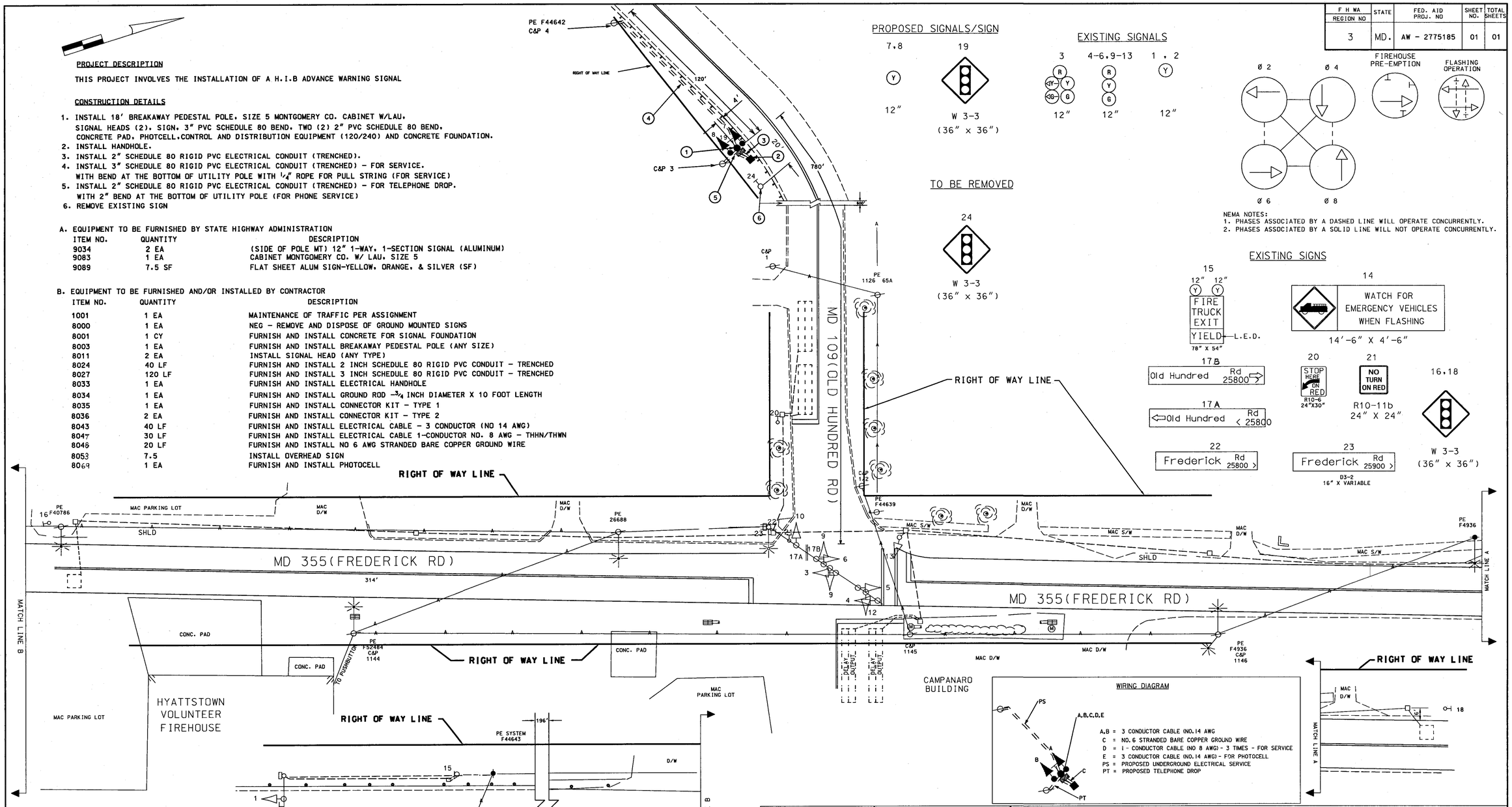
1. INSTALL 18' BREAKAWAY PEDESTAL POLE, SIZE 5 MONTGOMERY CO. CABINET W/LAU, SIGNAL HEADS (2), SIGN, 3" PVC SCHEDULE 80 BEND, TWO (2) 2" PVC SCHEDULE 80 BEND, CONCRETE PAD, PHOTCELL,CONTROL AND DISTRIBUTION EQUIPMENT (120/240) AND CONCRETE FOUNDATION.
2. INSTALL HANDHOLE.
3. INSTALL 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
4. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR SERVICE. WITH BEND AT THE BOTTOM OF UTILITY POLE WITH 1/4" ROPE FOR PULL STRING (FOR SERVICE)
5. INSTALL 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR TELEPHONE DROP. WITH 2" BEND AT THE BOTTOM OF UTILITY POLE (FOR PHONE SERVICE)
6. REMOVE EXISTING SIGN

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9034	2 EA	(SIDE OF POLE MT) 12" 1-WAY, 1-SECTION SIGNAL (ALUMINUM)
9083	1 EA	CABINET MONTGOMERY CO. W/ LAU, SIZE 5
9089	7.5 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF)

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8000	1 EA	NEG - REMOVE AND DISPOSE OF GROUND MOUNTED SIGNS
8001	1 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8003	1 EA	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE (ANY SIZE)
8011	2 EA	INSTALL SIGNAL HEAD (ANY TYPE)
8024	40 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8027	120 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8033	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	1 EA	FURNISH AND INSTALL GROUND ROD -3/4 INCH DIAMETER X 10 FOOT LENGTH
8035	1 EA	FURNISH AND INSTALL CONNECTOR KIT - TYPE 1
8036	2 EA	FURNISH AND INSTALL CONNECTOR KIT - TYPE 2
8043	40 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO 14 AWG)
8047	30 LF	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG - THHN/THWN
8048	20 LF	FURNISH AND INSTALL NO 6 AWG STRANDED BARE COPPER GROUND WIRE
8053	7.5	INSTALL OVERHEAD SIGN
8069	1 EA	FURNISH AND INSTALL PHOTOCELL



UTILITY LEGEND

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

REVISIONS	APPROVALS
(B) INSTALL ADVANCE WARNING H.I.B. TIMS # D-248 JAH 4/99	ASST.DIV.CHIEF SIGNAL DESIGN SECTION
(A) ADD L.E.D. SIGN JWA DK 3/19/96	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

DRAWN BY: BRUCE THOMPSON

DES. BY:

CHK. BY:

MD 355 and MD 109

15010911.91

COUNTY: MONTGOMERY

DATE: 10-4-93

SCALE: 1"=20'

F.A.P. NO. CMG-STGP-000(133)

S.H.A. NO. MD257A51 / B51

TS/STD. NO. 3379 B

SHEET NO. 01 OF 01