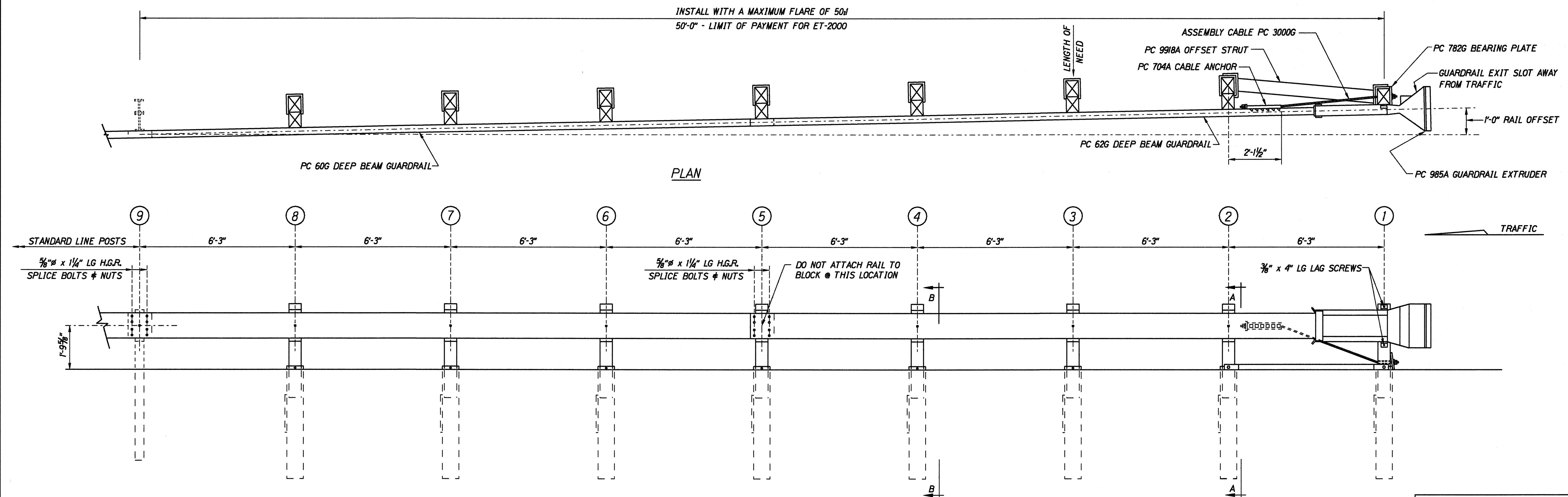


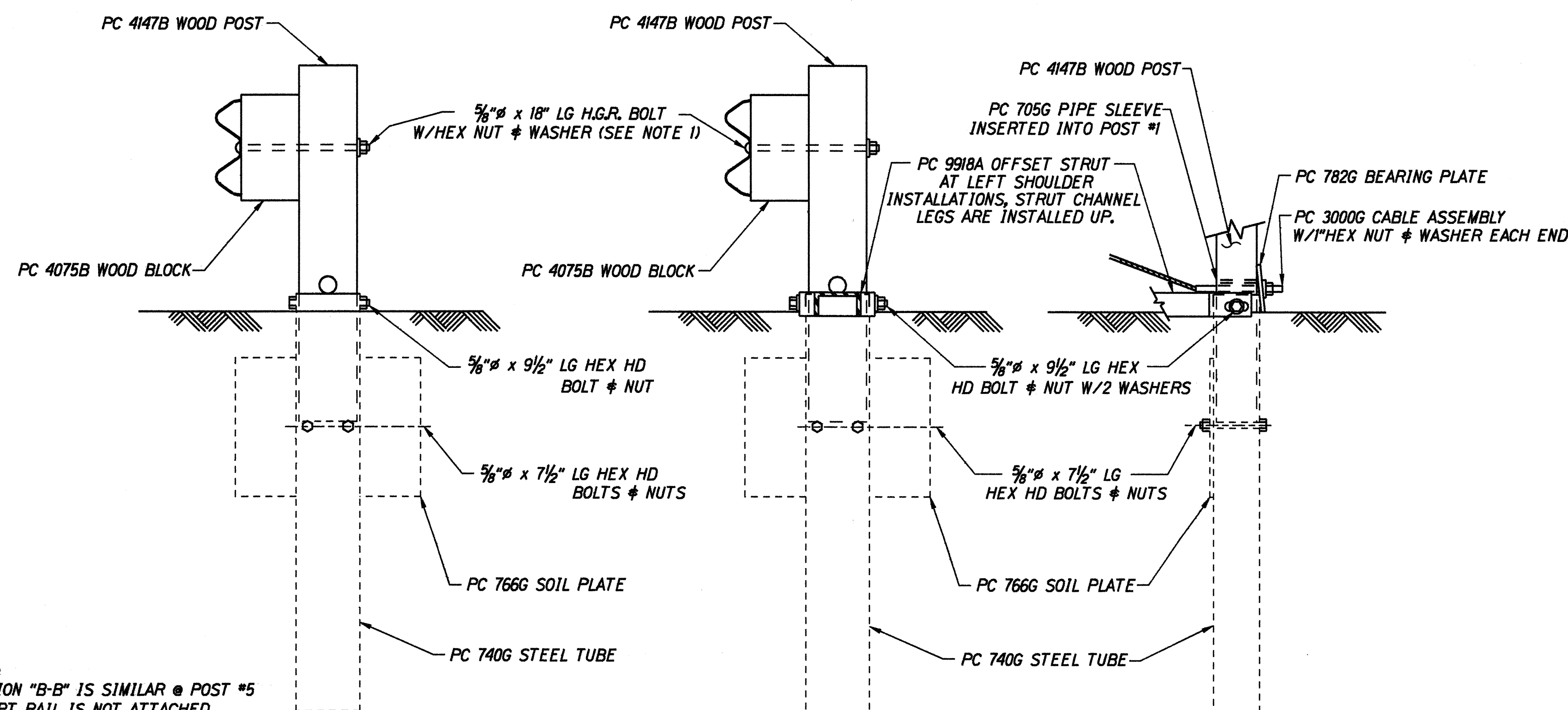
| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 560A-01-99M | 1999        | 9         | 23           |



ELEVATION

BILL OF MATERIAL

| PC    | QTY | DESCRIPTION                  |
|-------|-----|------------------------------|
| 60G   | 1   | 12/25/63/S (GUARDRAIL)       |
| 62G   | 1   | 12/25/63/S ANC (GUARDRAIL)   |
| 704A  | 1   | CABLE ANCHOR BRACKET         |
| 705G  | 1   | 2" x 5 1/2" PIPE             |
| 740G  | 8   | 46 TUBE SLEEVE               |
| 766G  | 8   | 1/4" x 18" x 24" SOIL PLATE  |
| 782G  | 1   | 3/8" x 8" x 8" BEARING PLATE |
| 985A  | 1   | ET-2000 EXTRUDER             |
| 3000G | 1   | CABLE 3/4" x 66              |
| 3300G | 11  | 3/8" WASHER                  |
| 3340G | 47  | 3/8" HEX NUT                 |
| 3360G | 16  | 3/8" x 1 1/4" SPLICE BOLT    |
| 3478G | 16  | 3/8" x 7 1/2" HEX HD BOLT    |
| 3497G | 8   | 3/8" x 9 1/2" HEX HD BOLT    |
| 3580G | 7   | 3/8" x 18" POST BOLT         |
| 3900G | 2   | 1" WASHER                    |
| 3910G | 2   | 1" HEX NUT                   |
| 4075B | 7   | WD BLOCK 12 6" x 8" DR       |
| 4147B | 8   | WD 39 POST 5 1/2" x 7 1/2"   |
| 4228G | 2   | 3/8" x 4" LAG SCREW          |
| 9918A | 1   | 63 STRUT                     |



NOTE: THE 3/8" FLAT WASHER IS USED UNDER THE NUT, BEHIND THE POST ONLY. NO WASHER IS USED AT THE RAIL.

NOTE: SECTION "B-B" IS SIMILAR @ POST #5 EXCEPT RAIL IS NOT ATTACHED.

SECTION "B-B"  
(TYP @ POSTS #3, 4, 6, 7 & 8)

SECTION "A-A"  
(@ POST #2)

PARTIAL VIEW @ POST #1

|               |               |               |
|---------------|---------------|---------------|
| ORIGINAL PLAN | DATE          | 2-10-99       |
| DESIGNED BY   | DESIGNED BY   | DESIGNED BY   |
| TRACED BY     | TRACED BY     | TRACED BY     |
| QUANTITIES BY | QUANTITIES BY | QUANTITIES BY |
| CHECKED BY    | CHECKED BY    | CHECKED BY    |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ET-2000 - OPTION "A"**

**KUHIO HIGHWAY RESURFACING**  
Vicinity of Lumahai Bridge to Alealea Road  
Project No. 560A-01-99M

Scale: As Shown Date: February, 1999

SHEET No. 1 OF 1 SHEETS