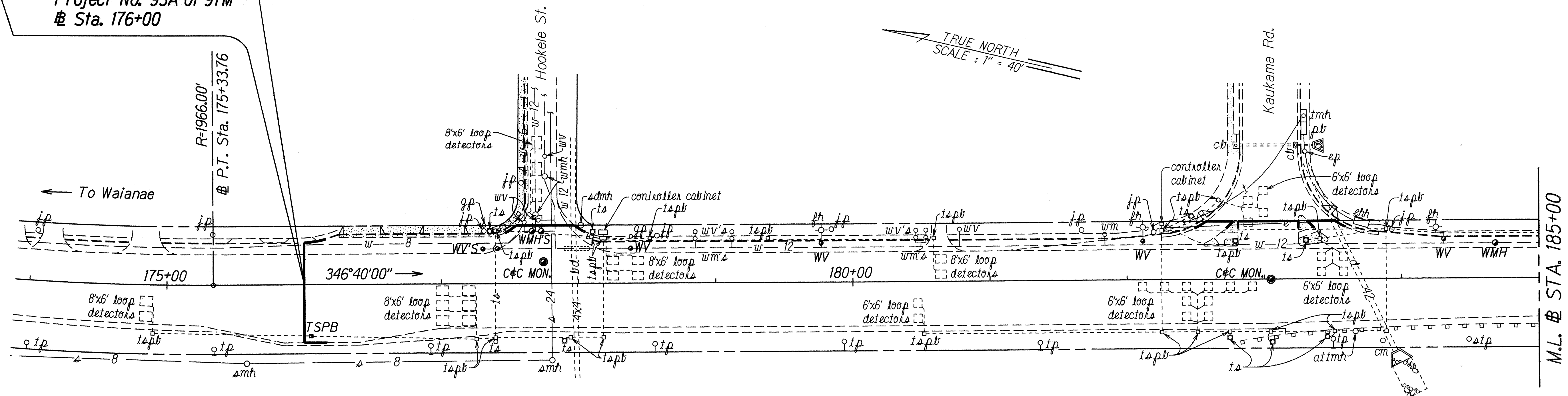


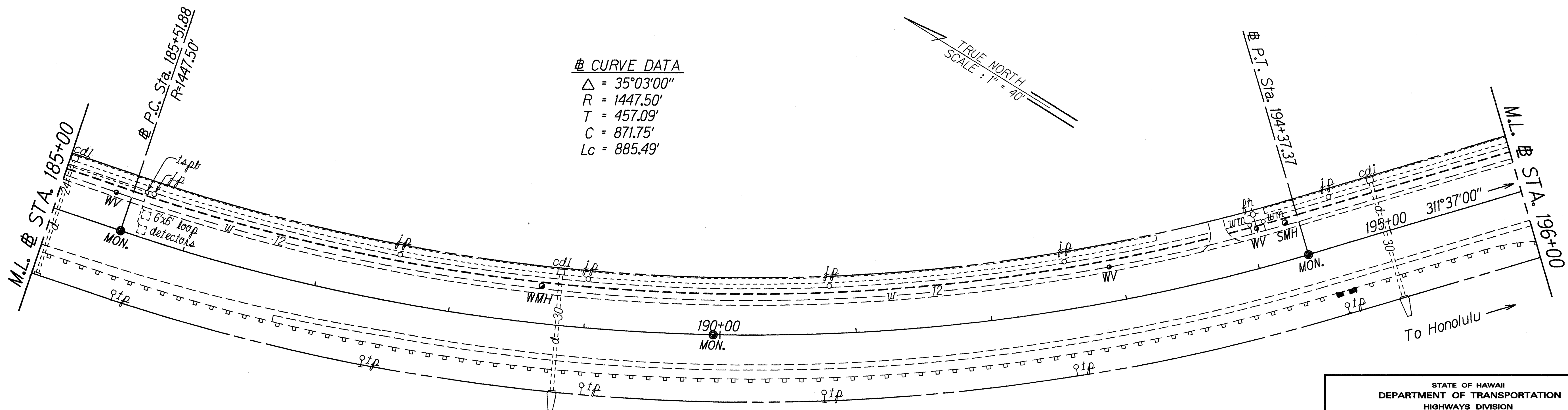
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	93A-01-97M	1997	8	31

BEGIN PROJECT
Project No. 93A-01-97M
Sta. 176+00



CURVE DATA

$\Delta = 35^{\circ}03'00''$
 $R = 1447.50'$
 $T = 457.09'$
 $C = 871.75'$
 $Lc = 885.49'$



LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion  
=00.00= Double line for as-built deletion  
Roadway Text for as-built posting

Sta. 194+50 to Sta. 194+62.5 Rt.

Remove 12.5 L.F. of exist. guardrail  
and Install 12.5 L.F. of New Guardrail,  
Type 3 w/Steel Posts.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

**FARRINGTON HIGHWAY RESURFACING**  
**Hookele Street to Piliokoe Bridge**  
**Project No. 93A-01-97M**

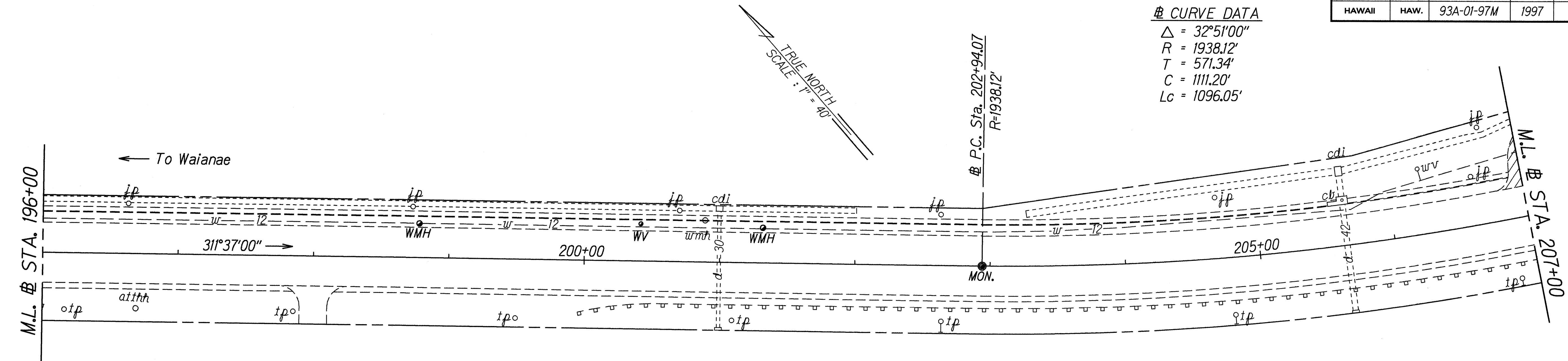
Scale: 1" = 40' Date: Jan., 1997

SHEET No. 1 OF 10 SHEETS

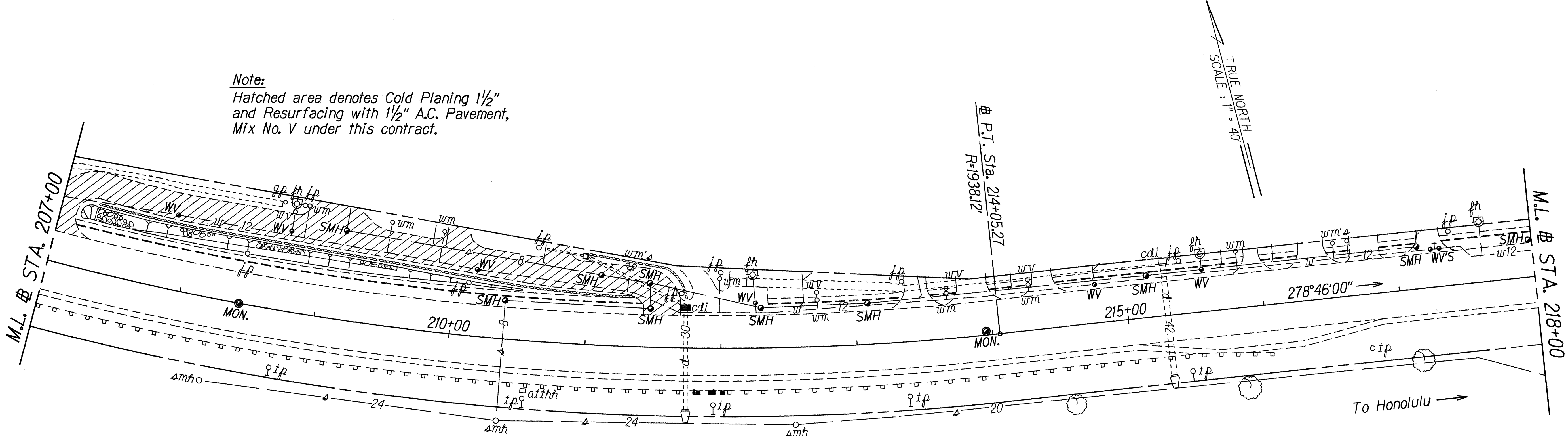
|                         |                       |          |
|-------------------------|-----------------------|----------|
| ORIGINAL PLAN           | SURVEY PLOTTED BY     | DATE     |
| NOTE BOOK               | DRAWN BY J. Matsuzaki | 11-06-97 |
| DESIGNED BY S. Hirakawa | CHECKED BY            |          |
| QUANTITIES BY           |                       |          |
| CHECKED BY              |                       |          |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 9         | 31           |

# CURVE DATA  
 $\Delta = 32^{\circ}51'00''$   
 $R = 1938.12'$   
 $T = 571.34'$   
 $C = 1111.20'$   
 $L_c = 1096.05'$



Note:  
Hatched area denotes Cold Planing 1½" and Resurfacing with 1½" A.C. Pavement, Mix No. V under this contract.



Sta. 211+80 to Sta. 212+05 Rt.  
Remove 25 L.F. of exist guardrail, and Install 25 L.F. of New Guardrail, Type 3 w/Steel Posts.

| LEGEND FOR AS-BUILT POSTINGS |                                     |
|------------------------------|-------------------------------------|
|                              | Squiggly line for as-built deletion |
|                              | Double line for as-built deletion   |
| Roadway                      | Text for as-built posting           |

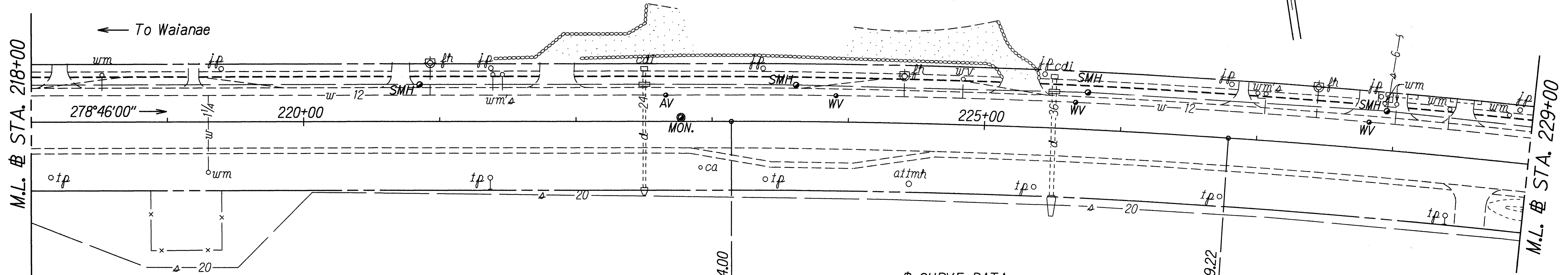
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ROADWAY PLAN  
FARRINGTON HIGHWAY RESURFACING  
Hookele Street to Piliokoe Bridge  
Project No. 93A-01-97M  
Scale: 1" = 40'

Date: Jan., 1997  
SHEET No. 2 OF 10 SHEETS

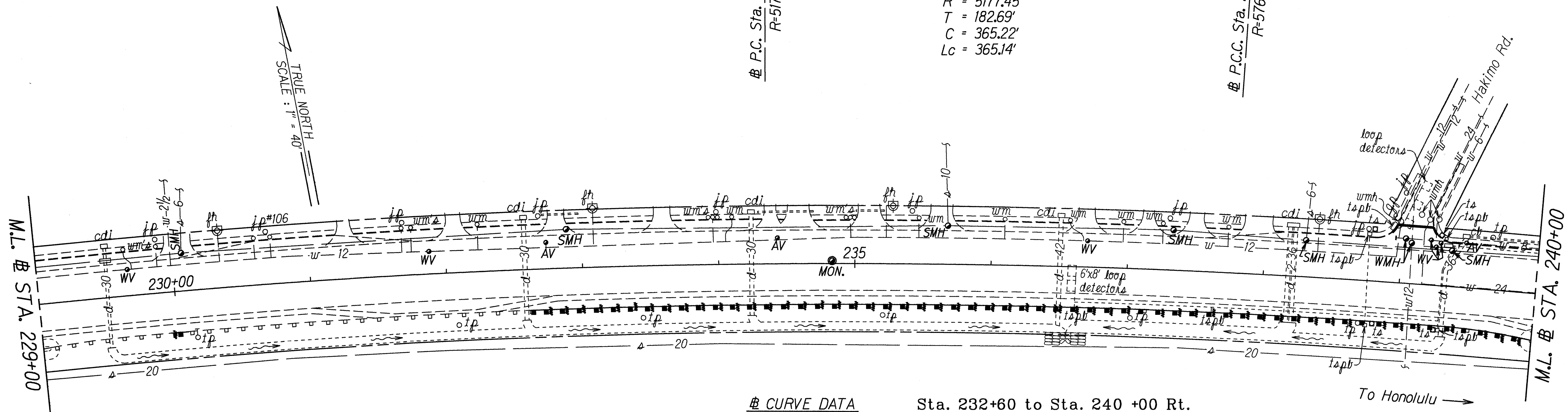
|               |          |
|---------------|----------|
| ORIGINAL PLAN | DATE     |
| DESIGNED BY   | 12-06-97 |
| DESIGNED BY   |          |
| QUANTITIES BY |          |
| CHECKED BY    |          |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 10        | 31           |



#### § CURVE DATA

$\Delta = 4^{\circ}02'30''$   
 $R = 5177.45'$   
 $T = 182.69'$   
 $C = 365.22'$   
 $Lc = 365.14'$



#### § CURVE DATA

$\Delta = 31^{\circ}53'30''$   
 $R = 5769.34'$   
 $T = 1648.43'$   
 $C = 3211.30'$   
 $Lc = 3170.00'$

Sta. 232+60 to Sta. 240 +00 Rt.

Remove 740 L.F. of exist. guardrail, and Install 740 L.F. of New Guardrail, Type 3 w/Steel Posts.

Sta. 229+95 to Sta. 230+07.50 Rt.

Remove 12.5 L.F. of exist. guardrail, and Install 12.5 L.F. of New Guardrail, Type 3 w/Steel Posts.

#### LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion  
 Double line for as-built deletion  
Roadway Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

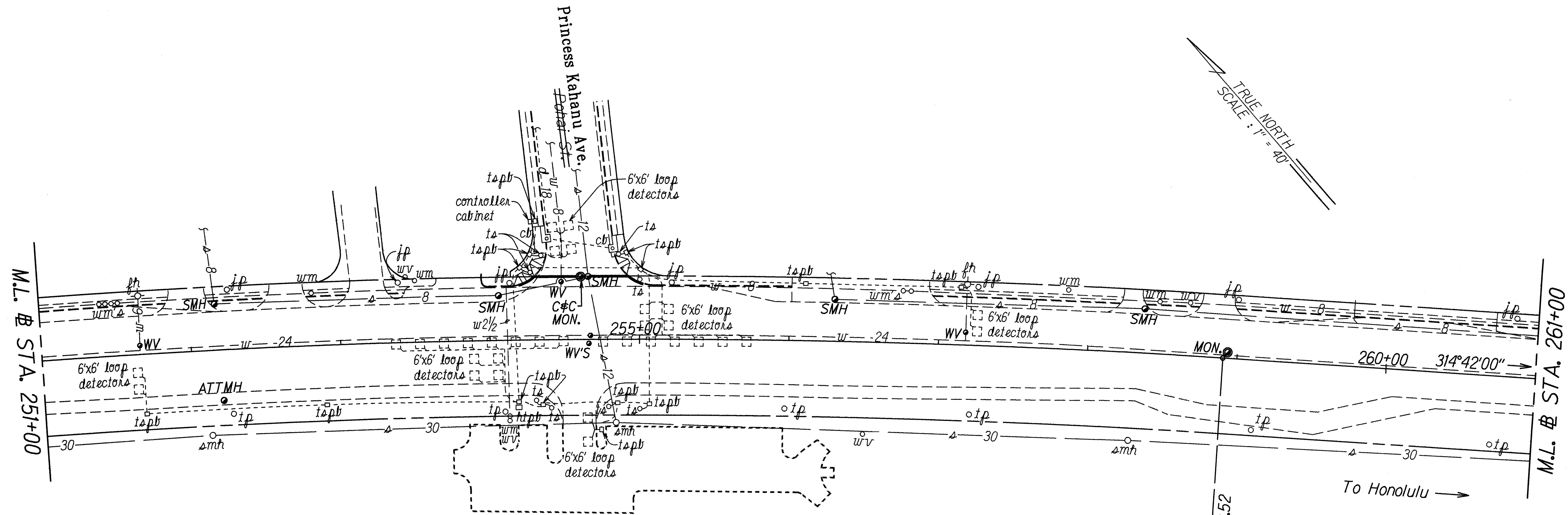
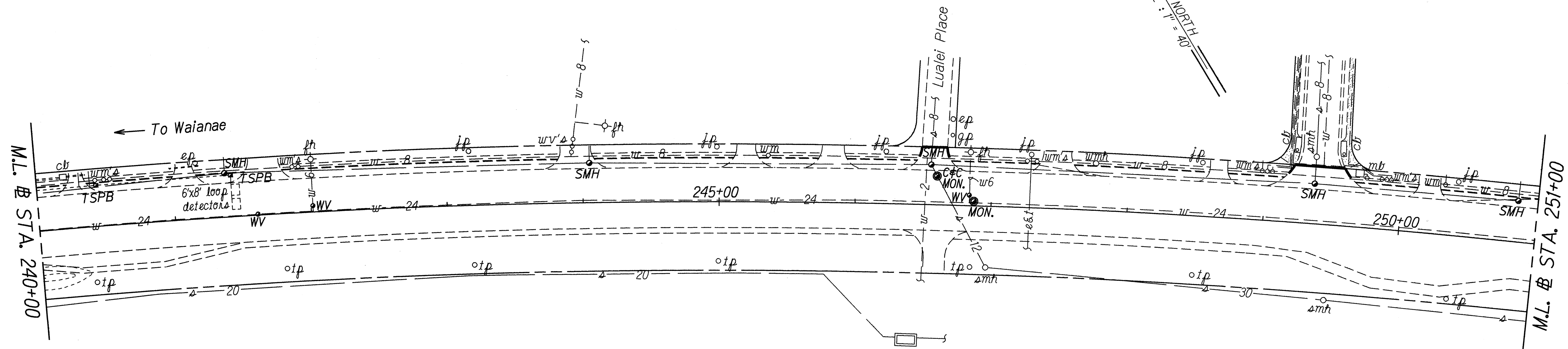
FARRINGTON HIGHWAY RESURFACING  
Hookele Street to Piliokoe Bridge  
Project No. 93A-01-97M

Scale: 1" = 40' Date: Jan., 1997

SHEET No. 3 OF 10 SHEETS

|               |          |
|---------------|----------|
| ORIGINAL PLAN | DATE     |
| NOTE BOOK     | 12-06-97 |
| DESIGNED BY   |          |
| QUANTITIES BY |          |
| CHECKED BY    |          |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 11        | 31           |



**CURVE DATA**  
 $\Delta = 31^\circ 53' 30''$   
 $R = 5769.34'$   
 $T = 1648.43'$   
 $C = 3211.30'$   
 $LC = 3170.00'$

| LEGEND FOR AS-BUILT POSTINGS |                                     |
|------------------------------|-------------------------------------|
|                              | Squiggly line for as-built deletion |
|                              | Double line for as-built deletion   |
| Roadway                      | Text for as-built posting           |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

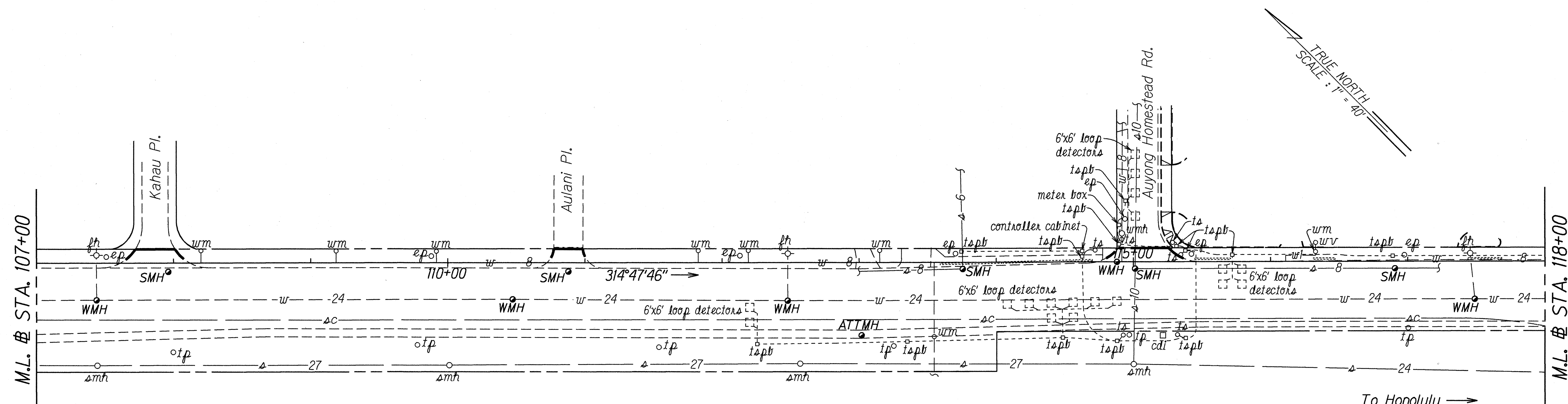
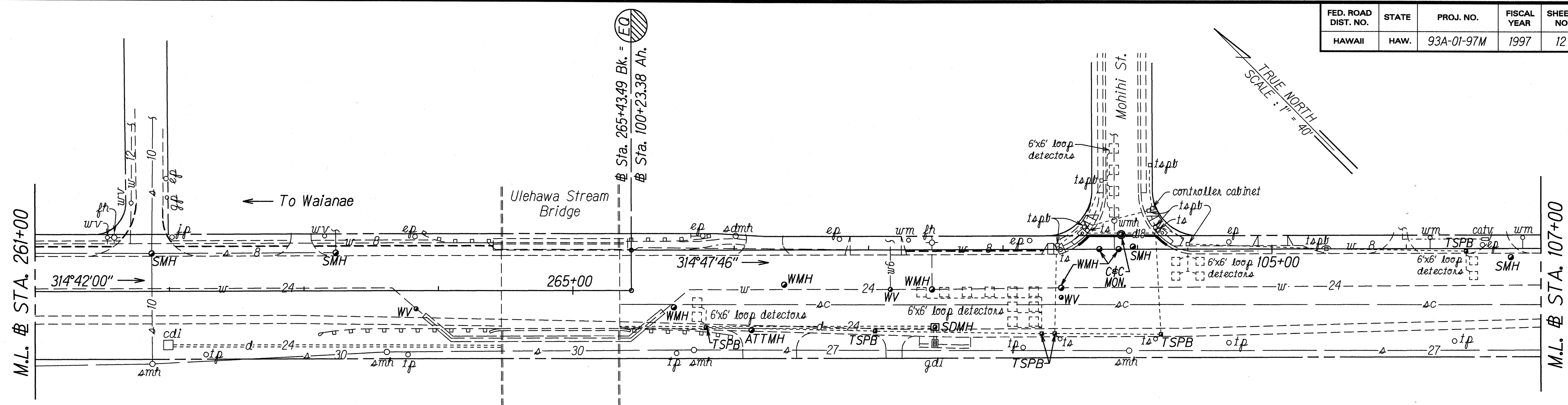
FARRINGTON HIGHWAY RESURFACING  
Hookele Street to Piliokoe Bridge  
Project No. 93A-01-97M

Scale: 1" = 40' Date: Jan., 1997

SHEET No. 4 OF 10 SHEETS

|                       |          |
|-----------------------|----------|
| ORIGINAL PLAN         | DATE     |
| NOTE BOOK             | 12-06-97 |
| DESIGNED BY S. Hirata |          |
| QUANTITIES BY         |          |
| CHECKED BY            |          |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 12        | 31           |



|               |                              |                 |
|---------------|------------------------------|-----------------|
| ORIGINAL PLAN | SURVEY PLOTTED BY            | DATE            |
| NOTE BOOK     | DRAWN BY <u>J. Matsunami</u> | <u>15-06-97</u> |
| dd4.jacm      | TRACED BY                    |                 |
| dd4rps        | DESIGNED BY <u>S. Hiraka</u> |                 |
| dd4rps        | QUANTITIES BY                |                 |
|               | CHECKED BY                   |                 |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

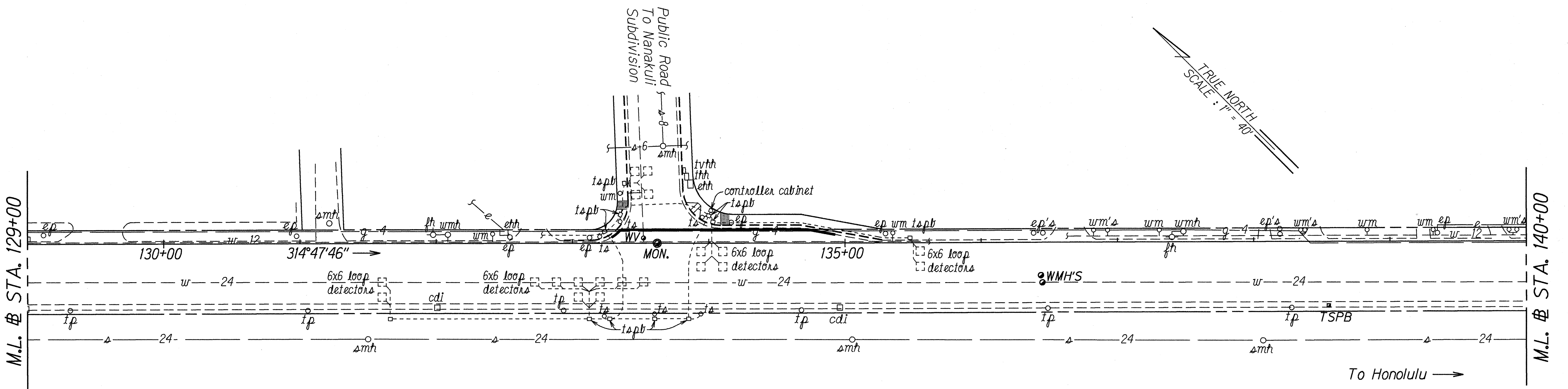
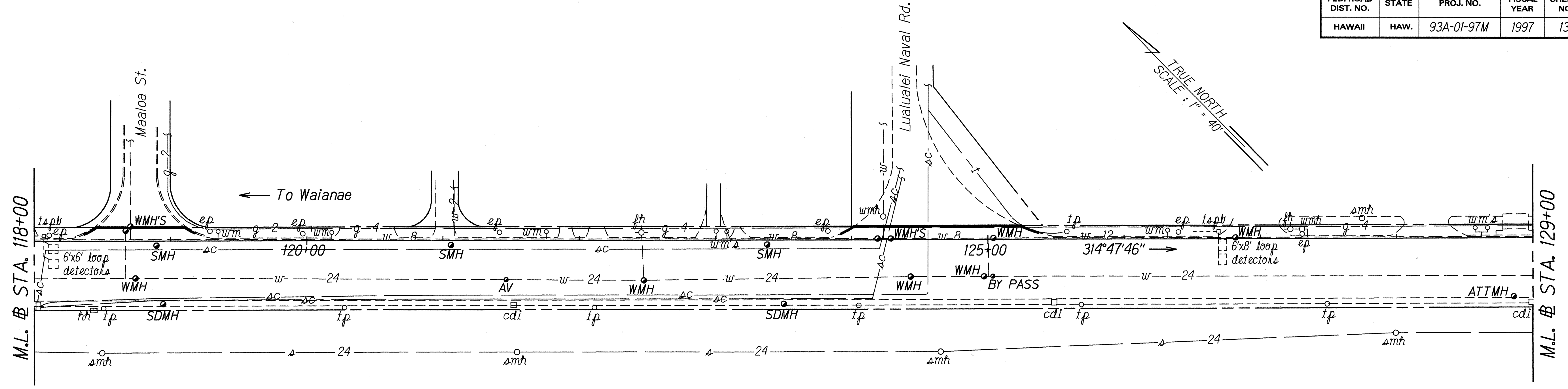
**ROADWAY PLAN**

**FARRINGTON HIGHWAY RESURFACING**  
**Hookele Street to Piliokoe Bridge**  
**Project No. 93A-01-97M**

Scale: 1" = 40'      Date: Jan., 1997

SHEET No. 5 OF 10 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 13        | 31           |



|               |                   |          |
|---------------|-------------------|----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE     |
| NOTE BOOK     | DRAWN BY          | 12-06-97 |
| 004/ason      | TRACED BY         |          |
| 004/ason      | CHECKED BY        |          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

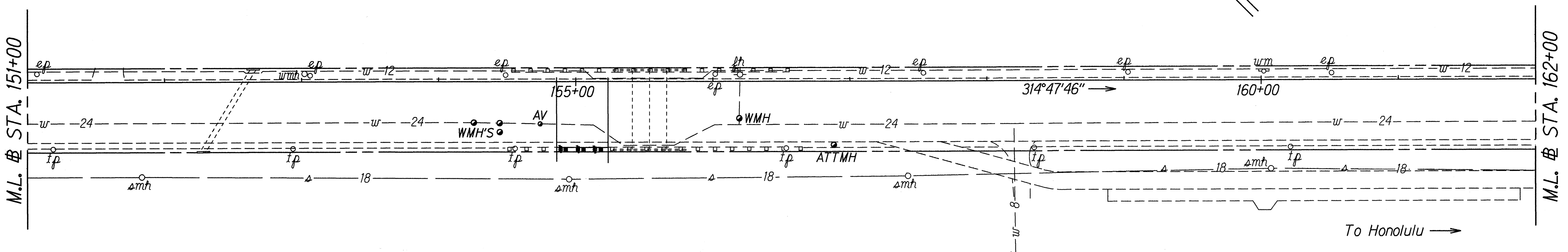
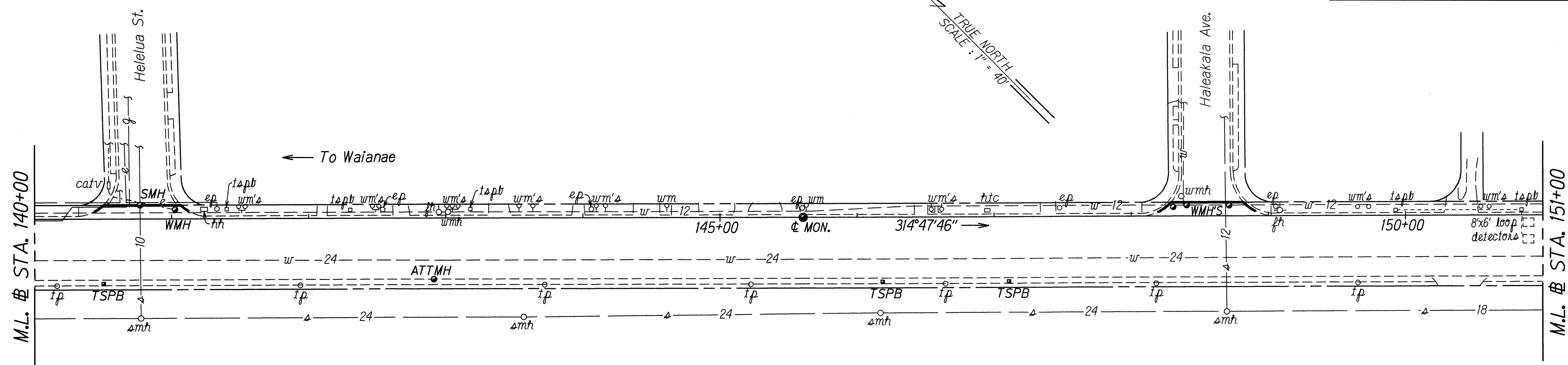
### ROADWAY PLAN

FARRINGTON HIGHWAY RESURFACING  
Hookele Street to Piliokoe Bridge  
Project No. 93A-01-97M

Scale: 1" = 40'  
Date: Jan., 1997

SHEET No. 6 OF 10 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 14        | 31           |



Sta. 154+86 to Sta. 155+23.5  
 Remove 37.5 L.F. of exist. guardrail,  
 and Install 37.5 L.F. of New Guardrail,  
 Type 3 w/Steel Posts.

| LEGEND FOR<br>AS-BUILT POSTINGS |                                     |
|---------------------------------|-------------------------------------|
|                                 | Squiggly line for as-built deletion |
|                                 | Double line for as-built deletion   |
| Roadway                         | Text for as-built posting           |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

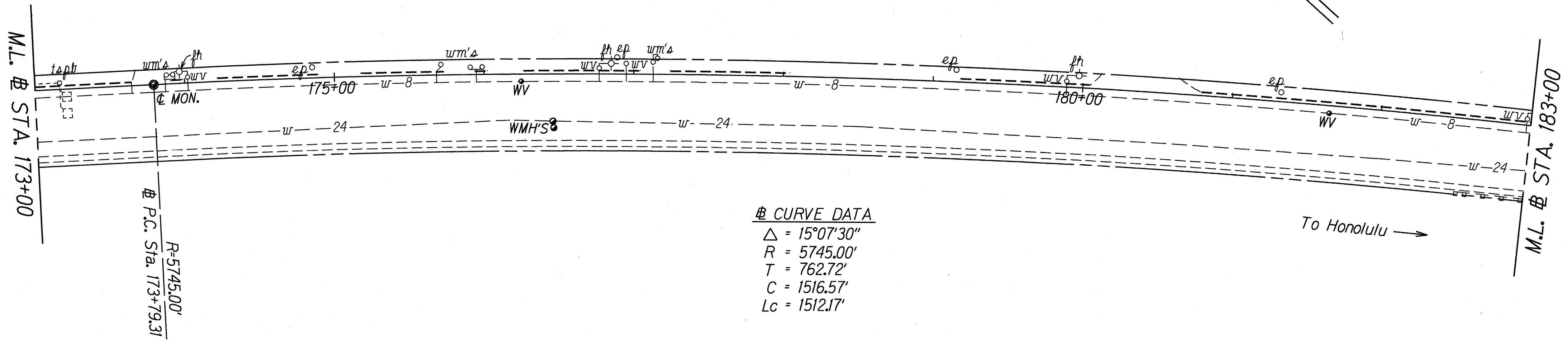
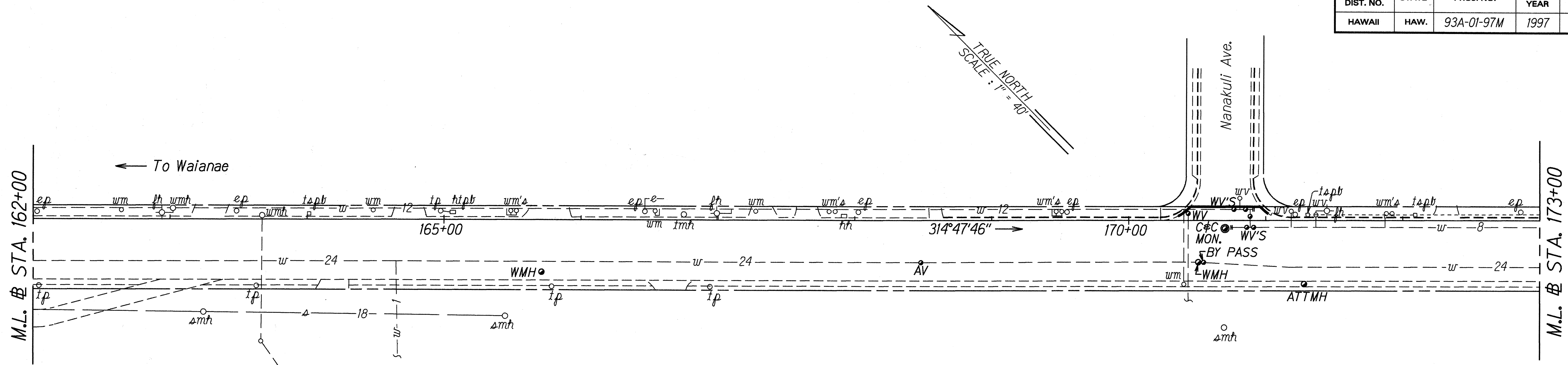
**ROADWAY PLAN**  
 FARRINGTON HIGHWAY RESURFACING  
 Hookele Street to Piliokoe Bridge  
 Project No. 93A-01-97M

Scale: 1" = 40'  
 Date: Jan., 1997

SHEET No. 7 OF 10 SHEETS

|               |                        |          |
|---------------|------------------------|----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY      | DATE     |
| NOTE BOOK     | DRAWN BY J. Matsuzaki  | 12-06-97 |
| da/jason      | DESIGNED BY S. Hiraoka |          |
| N. Garafoli   | QUANTITIES BY          |          |
|               | CHECKED BY             |          |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 15        | 31           |



# CURVE DATA  
 $\Delta = 15^{\circ}07'30''$   
 $R = 5745.00'$   
 $T = 762.72'$   
 $C = 1516.57'$   
 $Lc = 1512.17'$

|               |                   |          |
|---------------|-------------------|----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE     |
| NOTE BOOK     | DRAWN BY          | 12-06-97 |
| 004/1008      | DESIGNED BY       |          |
| 2/2/08        | CHECKED BY        |          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

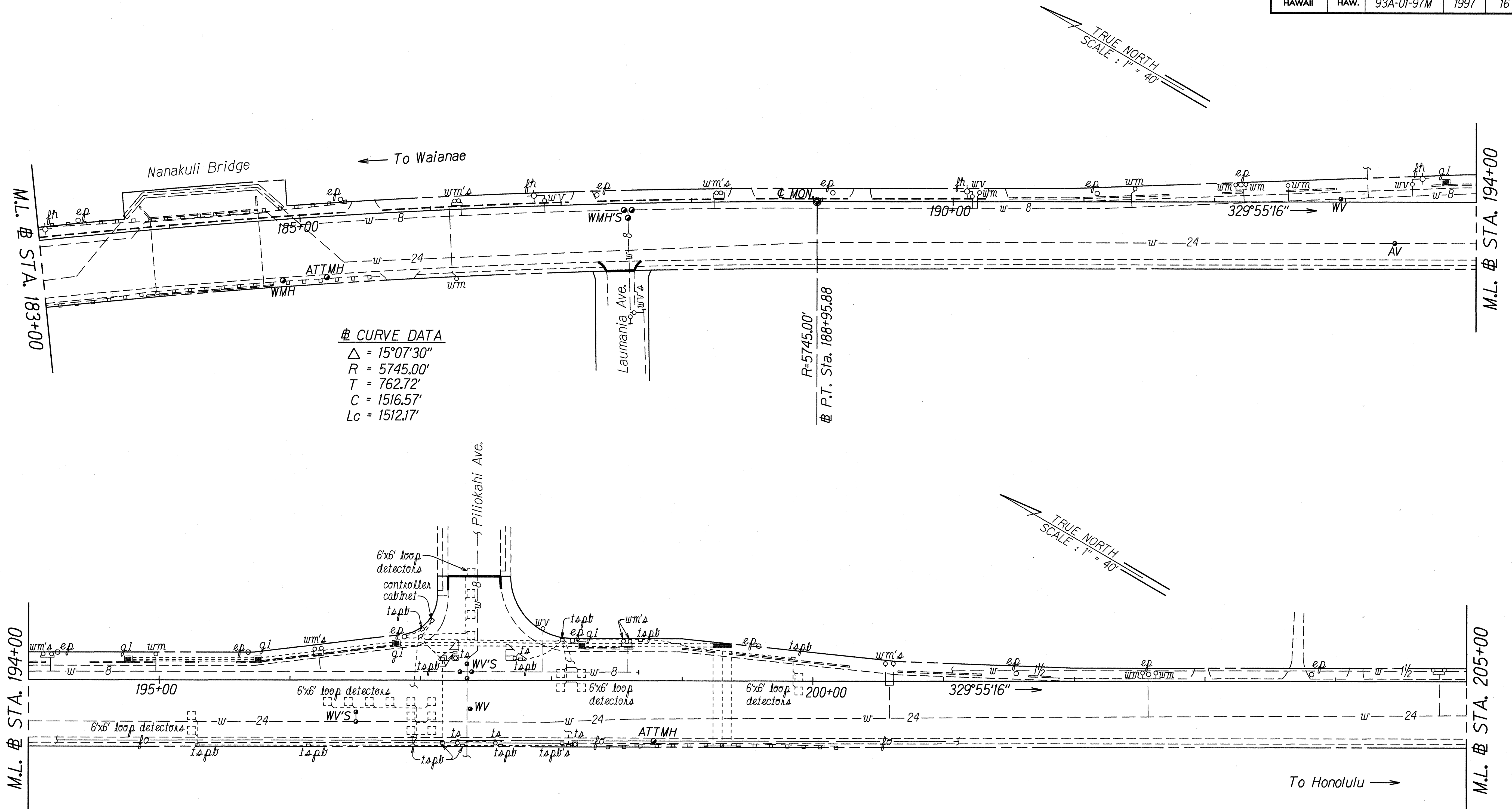
### ROADWAY PLAN

FARRINGTON HIGHWAY RESURFACING  
Hookele Street to Piliokoe Bridge  
Project No. 93A-01-97M

Scale: 1" = 40'  
Date: Jan., 1997

SHEET No. 8 OF 10 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | 16        | 31           |



|               |                       |          |
|---------------|-----------------------|----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY     | DATE     |
| NOTE BOOK     | DRAWN BY J. Matsunaga | 12-06-97 |
| 004/000       | DESIGNED BY S. Hirao  |          |
| N. 00000      | CHECKED BY            |          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

**FARRINGTON HIGHWAY RESURFACING**  
**Hookele Street to Piliokoe Bridge**  
**Project No. 93A-01-97M**

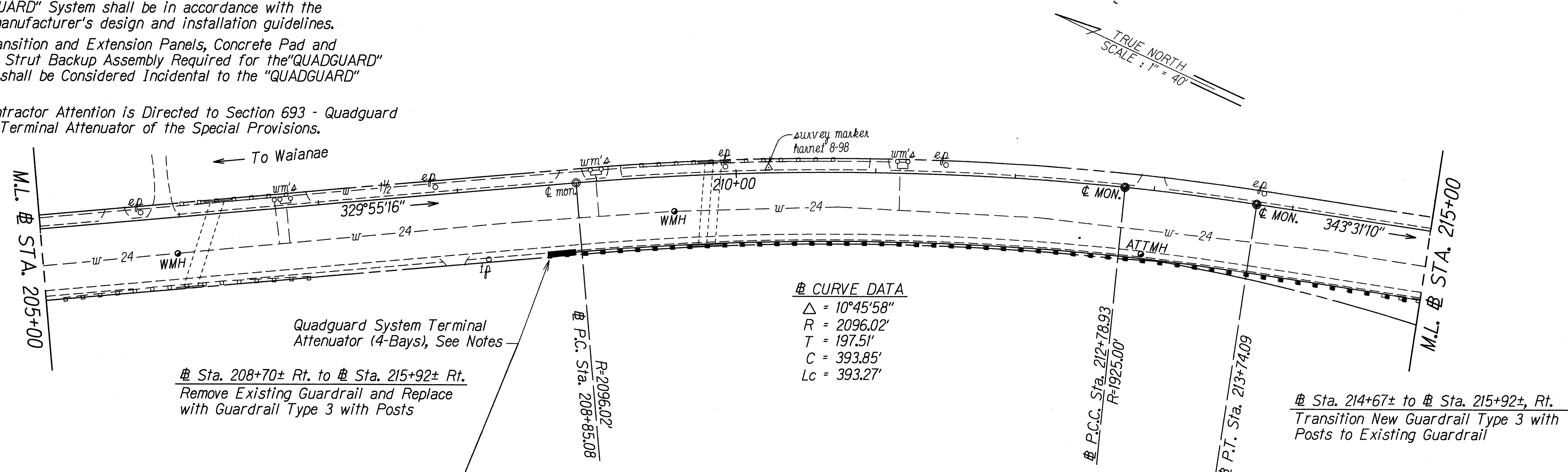
Scale: 1" = 40' Date: Jan., 1997

SHEET No. 9 OF 10 SHEETS

**"QUADGUARD" SYSTEM NOTES:**

1. All Work, Installation and Materials Associated with the "QUADGUARD" System shall be in accordance with the latest manufacturer's design and installation guidelines.
2. The Transition and Extension Panels, Concrete Pad and Tension Strut Backup Assembly Required for the "QUADGUARD" System shall be Considered Incidental to the "QUADGUARD" System.
3. The Contractor Attention is Directed to Section 693 - Quadguard System Terminal Attenuator of the Special Provisions.

| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-01-97M | 1997        | C.O.17    | 31           |

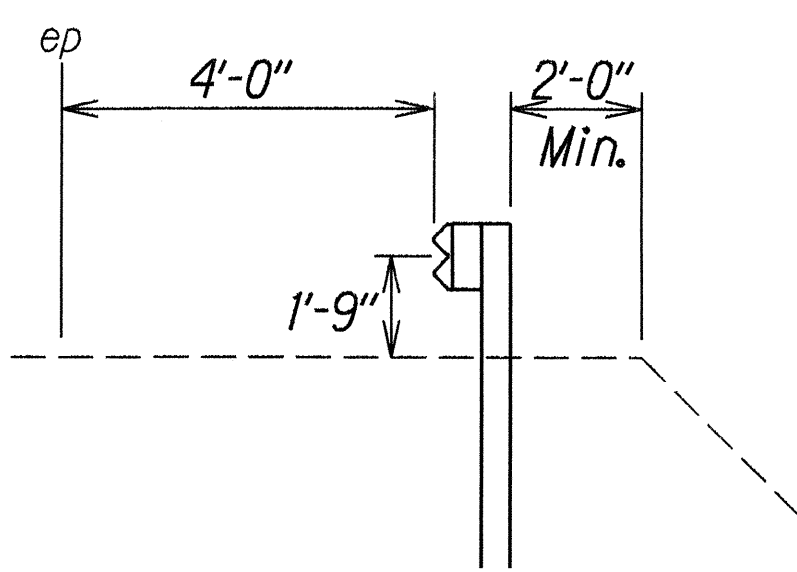
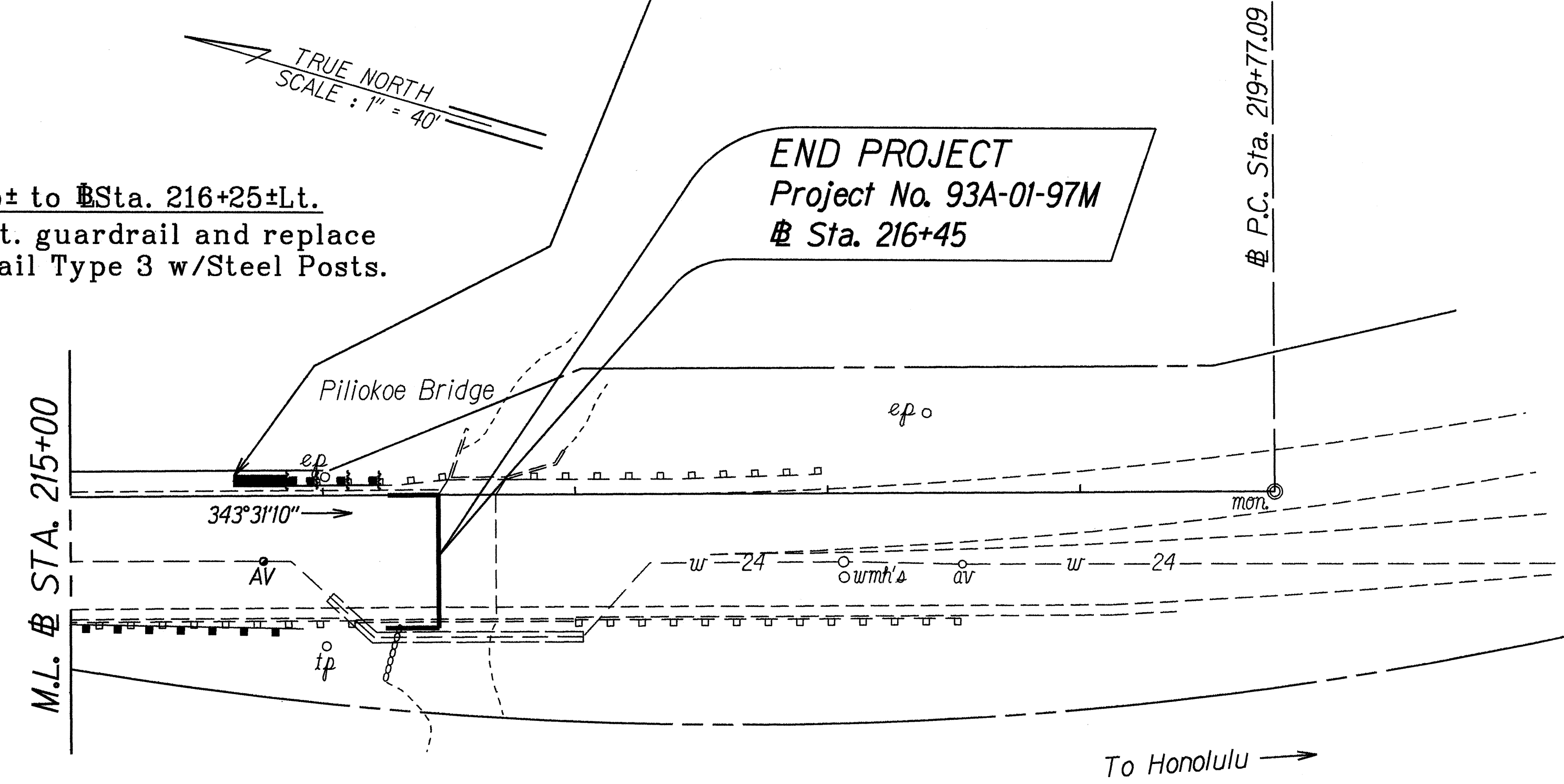


Sta. 215+85± to Sta. 216+25±Lt.  
Remove exist. guardrail and replace with Guardrail Type 3 w/Steel Posts.

**END PROJECT**  
Project No. 93A-01-97M  
Sta. 216+45

**CURVE DATA**  
Δ = 2°49'56\"  
R = 1925.00'  
T = 47.59'  
C = 95.16'  
Lc = 95.15'

| LEGEND FOR AS-BUILT POSTINGS |                                     |
|------------------------------|-------------------------------------|
|                              | Squiggly line for as-built deletion |
|                              | Double line for as-built deletion   |
| Roadway                      | Text for as-built posting           |



**GUARDRAIL DETAIL**  
Sta. 208+70± RT. TO Sta. 214+67± RT.  
Not to Scale

| 5/20/98                                                                                       | Revise Roadway Plan at Piliokoe Bridge and Added New Guardrail and Detail. |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| DATE                                                                                          | REVISION                                                                   |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION                          |                                                                            |
| <b>ROADWAY PLAN</b>                                                                           |                                                                            |
| FARRINGTON HIGHWAY RESURFACING<br>Hookele Street to Piliokoe Bridge<br>Project No. 93A-01-97M |                                                                            |
| Scale: 1" = 40'                                                                               | Date: Jan., 1997                                                           |
| SHEET No. 10 OF 10 SHEETS                                                                     |                                                                            |

|                               |          |
|-------------------------------|----------|
| SURVEY PLOTTED BY             | DATE     |
| DRAWN BY J. Matuszowski, E.A. | 12-21-98 |
| DESIGNED BY S. Hiraoka        |          |
| QUANTITIES BY                 |          |
| CHECKED BY                    |          |

|               |            |
|---------------|------------|
| ORIGINAL PLAN | NOTE BOOK  |
| adajason      | N. Hiraoka |