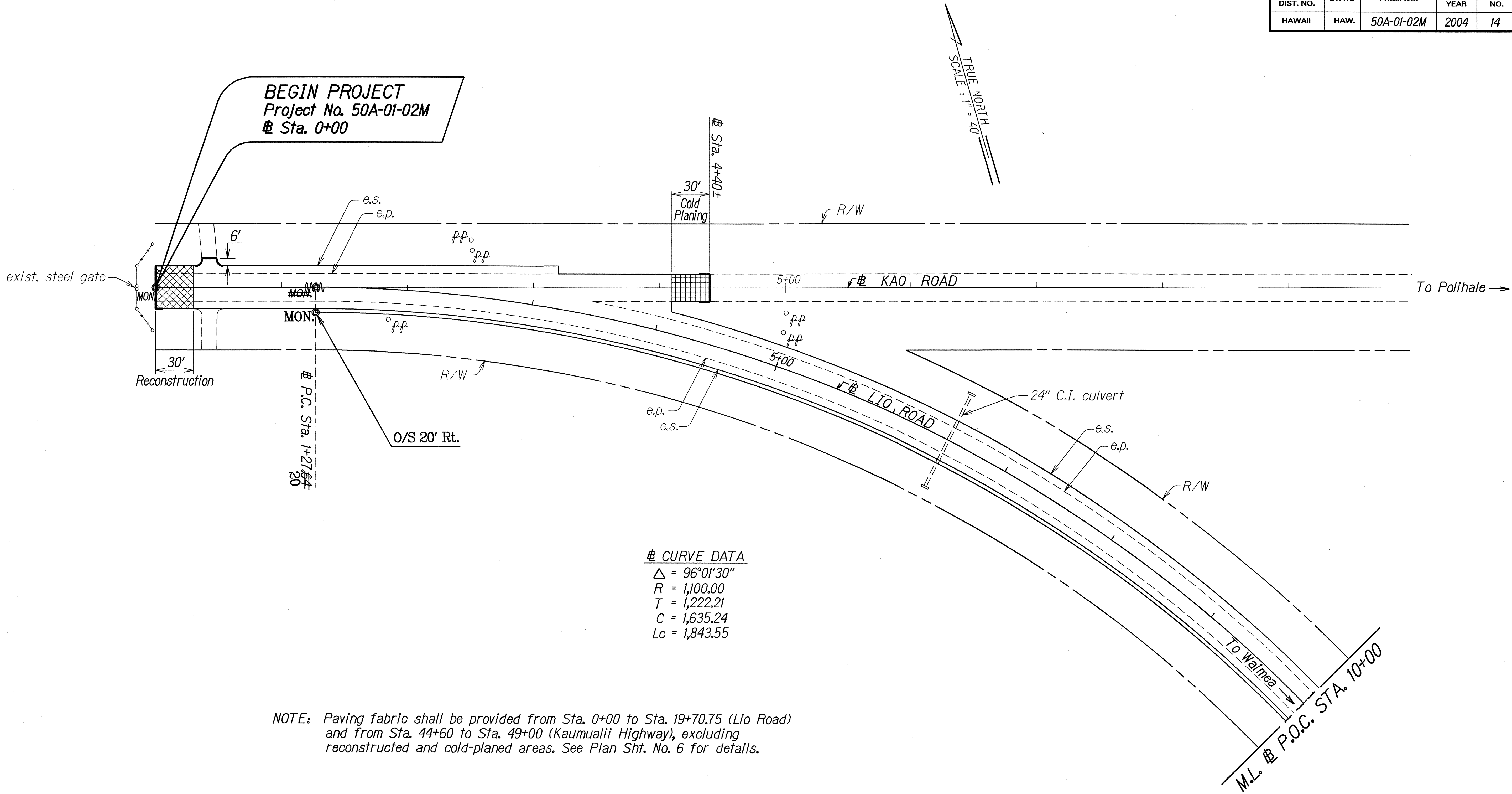


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50A-01-02M	2004	14	31



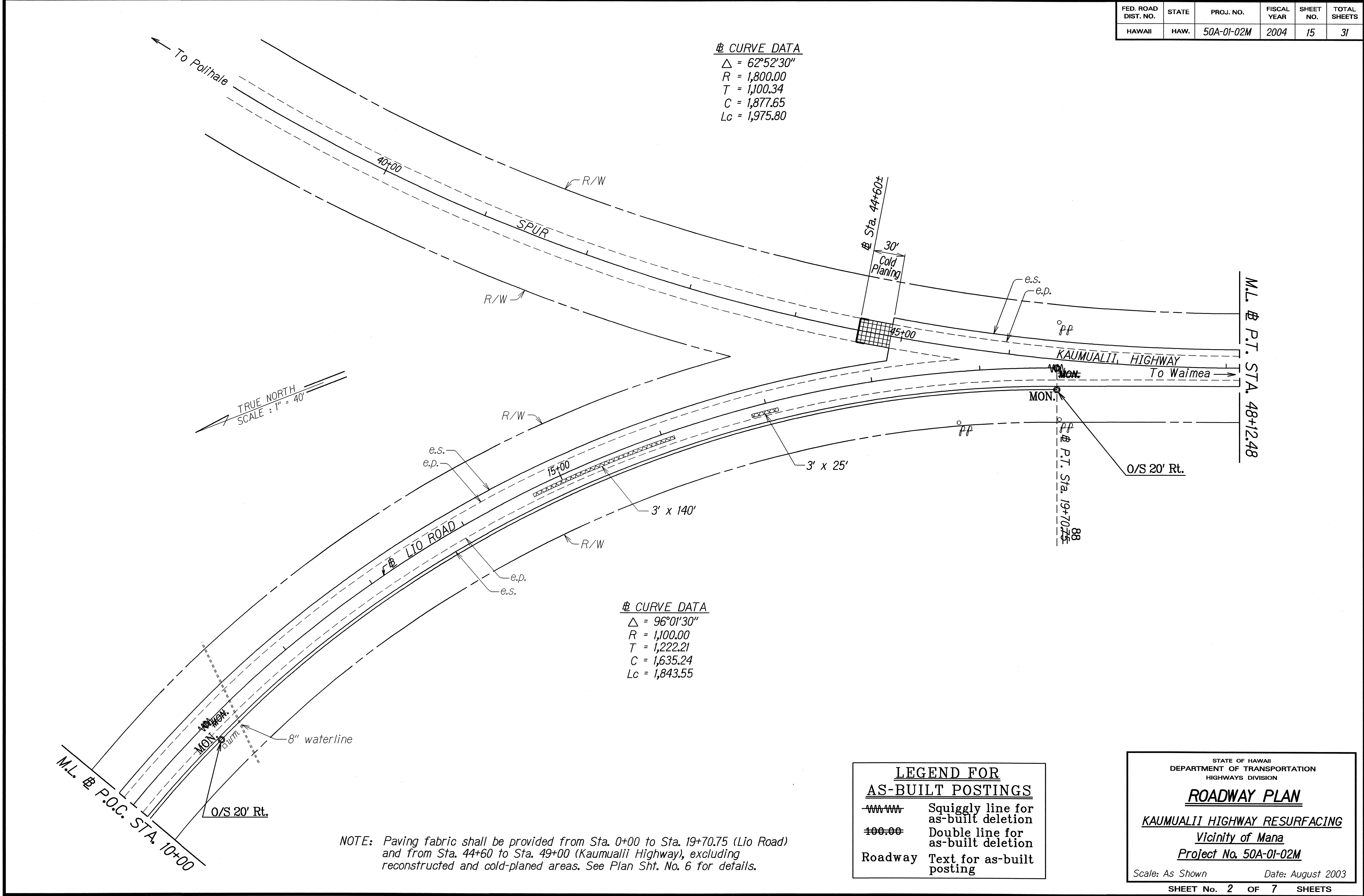
SURVEY PLOTTED BY	DATE
DRAWN BY	10/1/2003
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

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
KAUMUALII HIGHWAY RESURFACING
Vicinity of Mana
Project No. 50A-01-02M
Scale: As Shown Date: August 2003
SHEET No. 1 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50A-01-02M	2004	15	31



SURVEY PLOTTED BY	DATE
DRAWN BY	10/1/2003
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

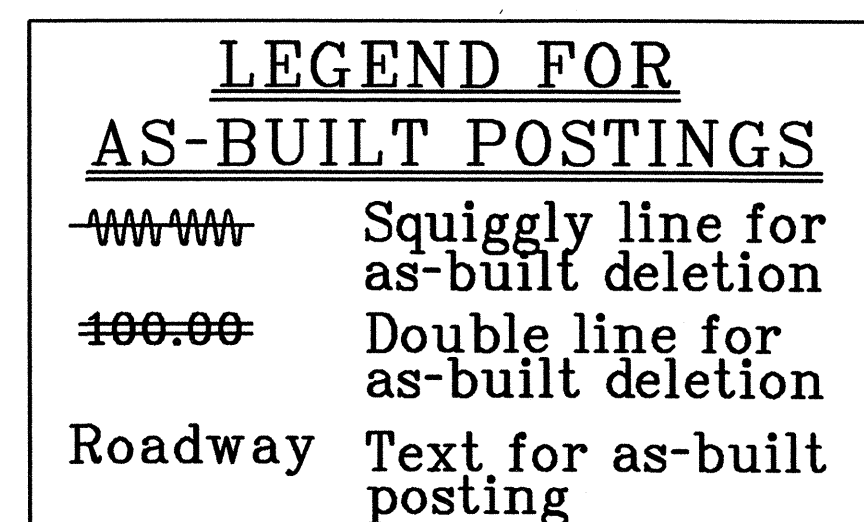
"AS-BUILT"

Sta. 48+10± to Sta. 49+10± o/s Lt.
Remove & Dispose Exist. Conc. Posts
Install Strong Post W-Beam
Guardrail (25 L.F.) and FLEAT-350
at Approach and Trailing Ends (2 Ea.)

Plan view of Kaumualii Highway showing proposed FLEAT-350 structures, culverts, and stationing. The drawing includes the following details:

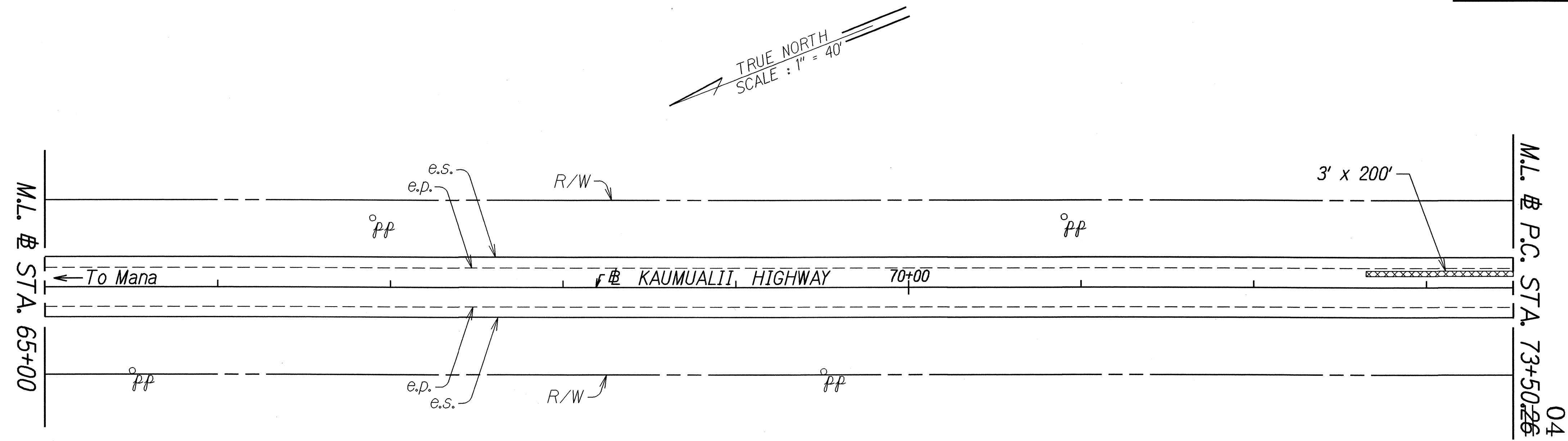
- Scale:** SCALE 1" = 40'.
- Highway:** KAUMUALII HIGHWAY, running horizontally across the center.
- Stationing:**
 - Left side: M.L. & P.T. STA. 48+12.48, 13.82.
 - Right side: M.L. & STA. 57+00.
 - Intermediate: 50+00, 55+00.
- Proposed Structures:**
 - FLEAT-350:** Multiple structures indicated by dashed lines and labels.
 - Culverts:**
 - 36" metal culvert (near station 48+12.48).
 - 24" conc. culvert (near station 50+00).
- Other Features:**
 - MON.:** Monument markers at station 48+12.48.
 - To Mana:** Directional arrow pointing left.
 - R/W:** Right-of-way lines.
 - Dimensions:** 3' x 55', 3' x 20', 3' x 40' (widths of specific sections).
 - Labels:** e.s., e.p., p.p., exist. emergency telephone call box & concrete pad.

Sta. 48+10± to Sta. 49+10± o/s Rt.
Remove # Dispose Exist. Conc. Posts
Install Strong Post W-Beam
Guardrail (25 L.F.) and FLEAT-350
at Approach and Trailing Ends (2 Ea.)

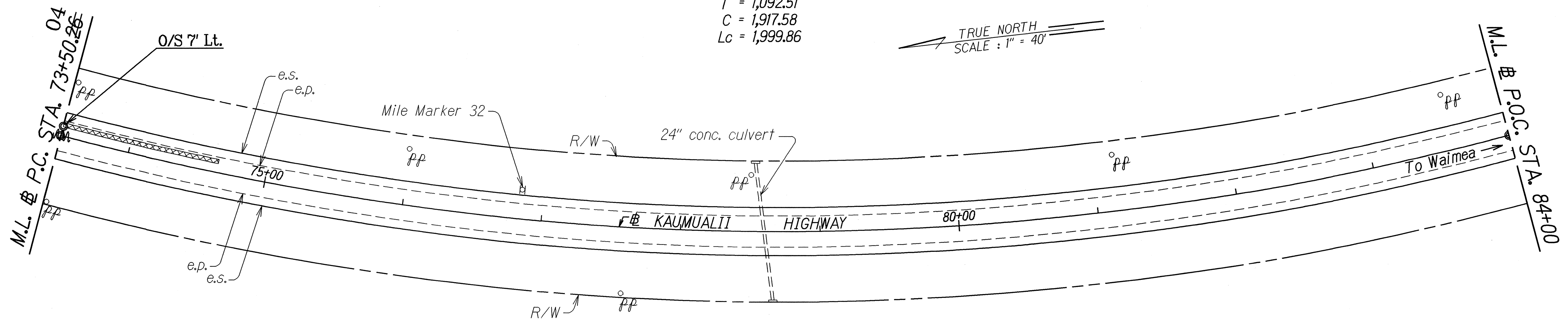


"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50A-01-02M	2004	17	31



Δ CURVE DATA
 $\Delta = 57^{\circ}17'30''$
 $R = 2,000.00$
 $T = 1,092.51$
 $C = 1,917.58$
 $L_c = 1,999.86$



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	08/2003
QUANTITIES BY	DESIGNED BY	
CHECKED BY	CHECKED BY	

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

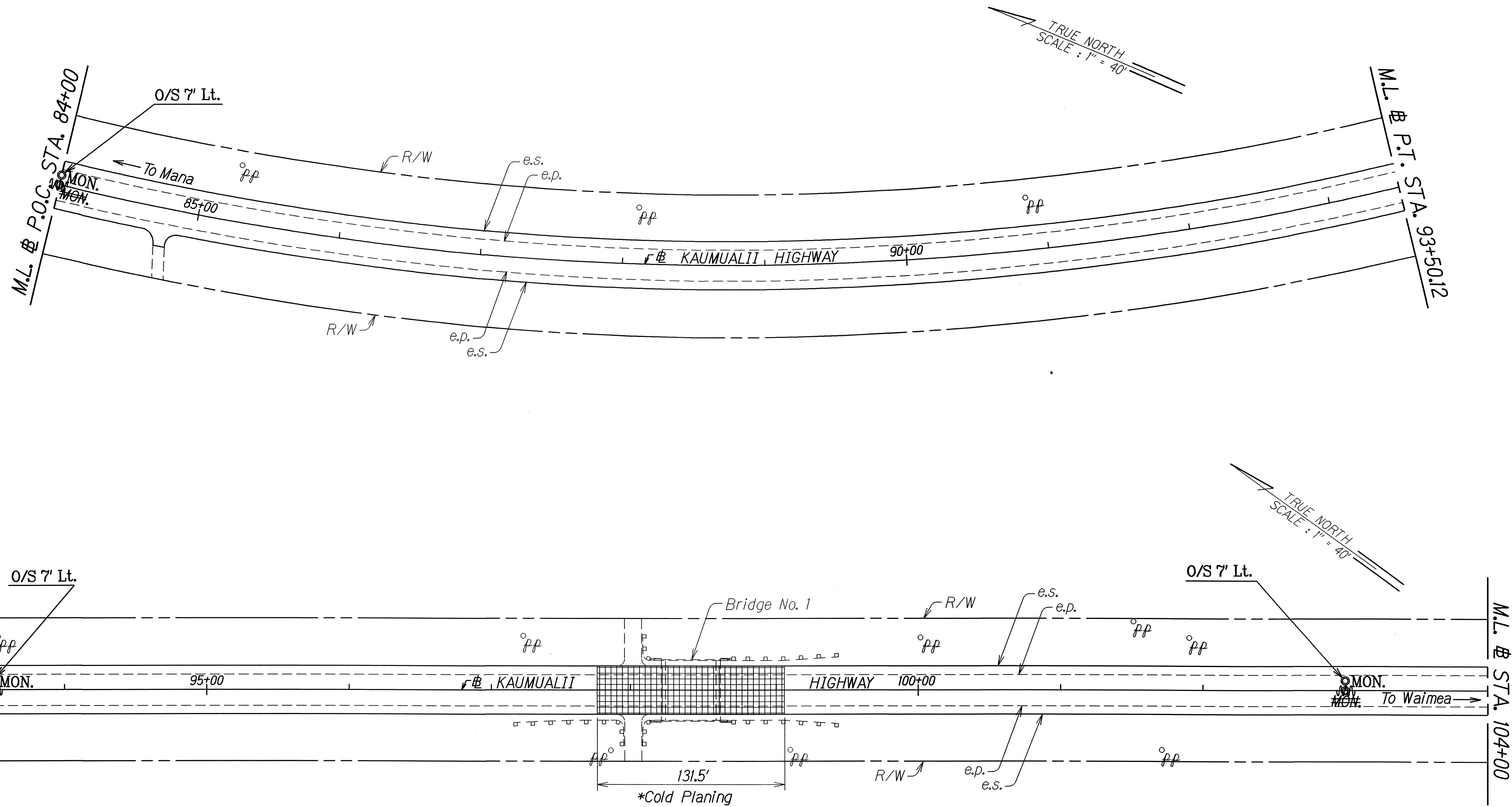
ROADWAY PLAN

KAUMUALII HIGHWAY RESURFACING
Vicinity of Mana
Project No. 50A-01-02M

Scale: As Shown Date: August 2003

SHEET No. 4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50A-01-02M	2004	18	31



*NOTE: For clarity, the 6-ft. reconstruction areas at bridge approaches are not shown on the roadway plans. See Plan Sht. No. 8 for Transition at Bridges No. 1 & 2.

**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**

**KAUMUALII HIGHWAY RESURFACING**  
Vicinity of Mana  
Project No. 50A-01-02M

Scale: As Shown Date: August 2003

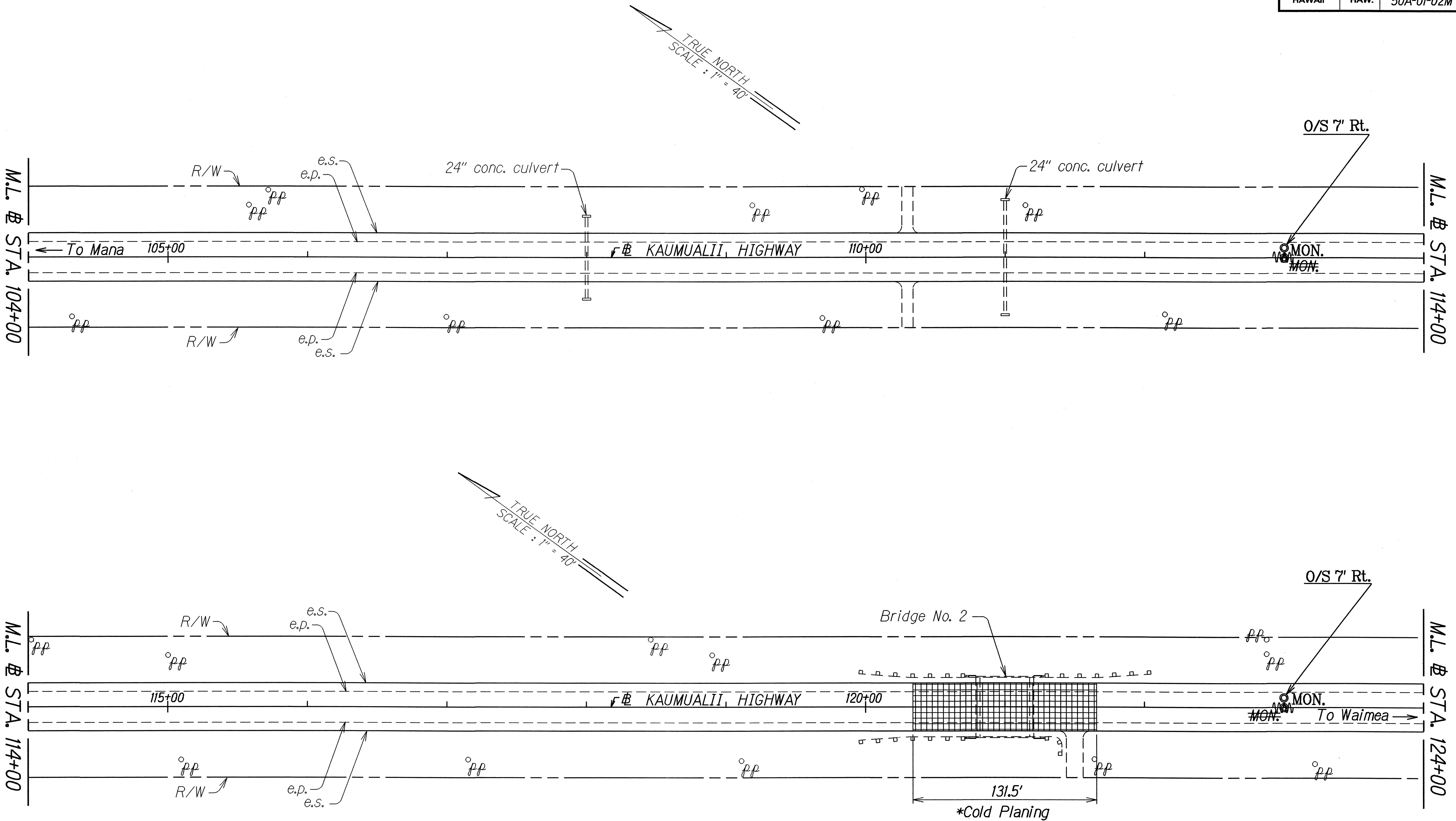
SHEET No. 5 OF 7 SHEETS

|               |                   |           |
|---------------|-------------------|-----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE      |
| NOTE BOOK     | DRAWN BY          | 10/1/2003 |
| REVISION      | TRACED BY         |           |
| QUANTITIES BY | CHECKED BY        |           |
| IN            |                   |           |

"AS-BUILT"



| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 50A-01-02M | 2004        | 19        | 31           |



\*NOTE: For clarity, the 6-ft. reconstruction areas at bridge approaches are not shown on the roadway plans. See Plan Sht. No. 8 for Transition at Bridges No. 1 & 2.

**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

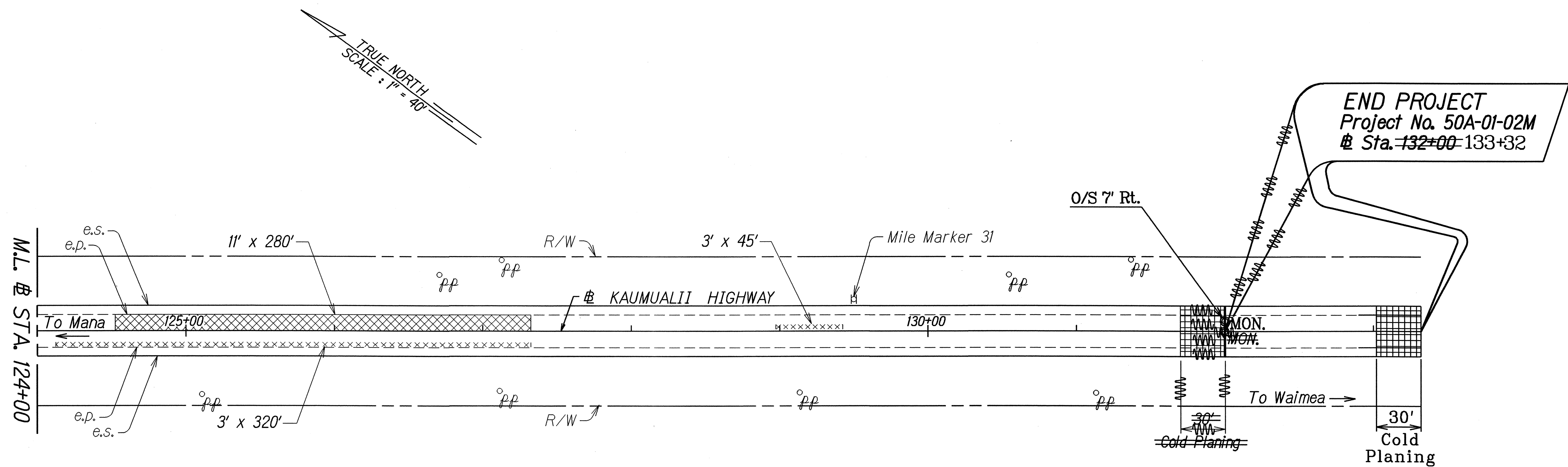
**ROADWAY PLAN**  
  
KAUMUALII HIGHWAY RESURFACING  
Vicinity of Mana  
Project No. 50A-01-02M  
Scale: As Shown      Date: August 2003  
SHEET No. 6 OF 7 SHEETS

|               |                   |           |
|---------------|-------------------|-----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE      |
| NOTE BOOK     | DRAWN BY          | 2/11/2002 |
| QUANTITIES BY | DESIGNED BY       |           |
| CHECKED BY    | CHECKED BY        |           |

"AS-BUILT"



| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 50A-01-02M | 2004        | 20        | 31           |



|               |                    |          |
|---------------|--------------------|----------|
| ORIGINAL PLAN | SURVEY PLOTTED BY  | DATE     |
| NOTE BOOK     | DRAWN BY E. 400    | 1st 2004 |
| QUANTITIES BY | DESIGNED BY E. 400 |          |
| CHECKED BY    |                    |          |

**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

KAUMUALII HIGHWAY RESURFACING

Vicinity of Mana

Project No. 50A-01-02M

Scale: As Shown Date: August 2003

SHEET No. 7 OF 7 SHEETS

"AS-BUILT"