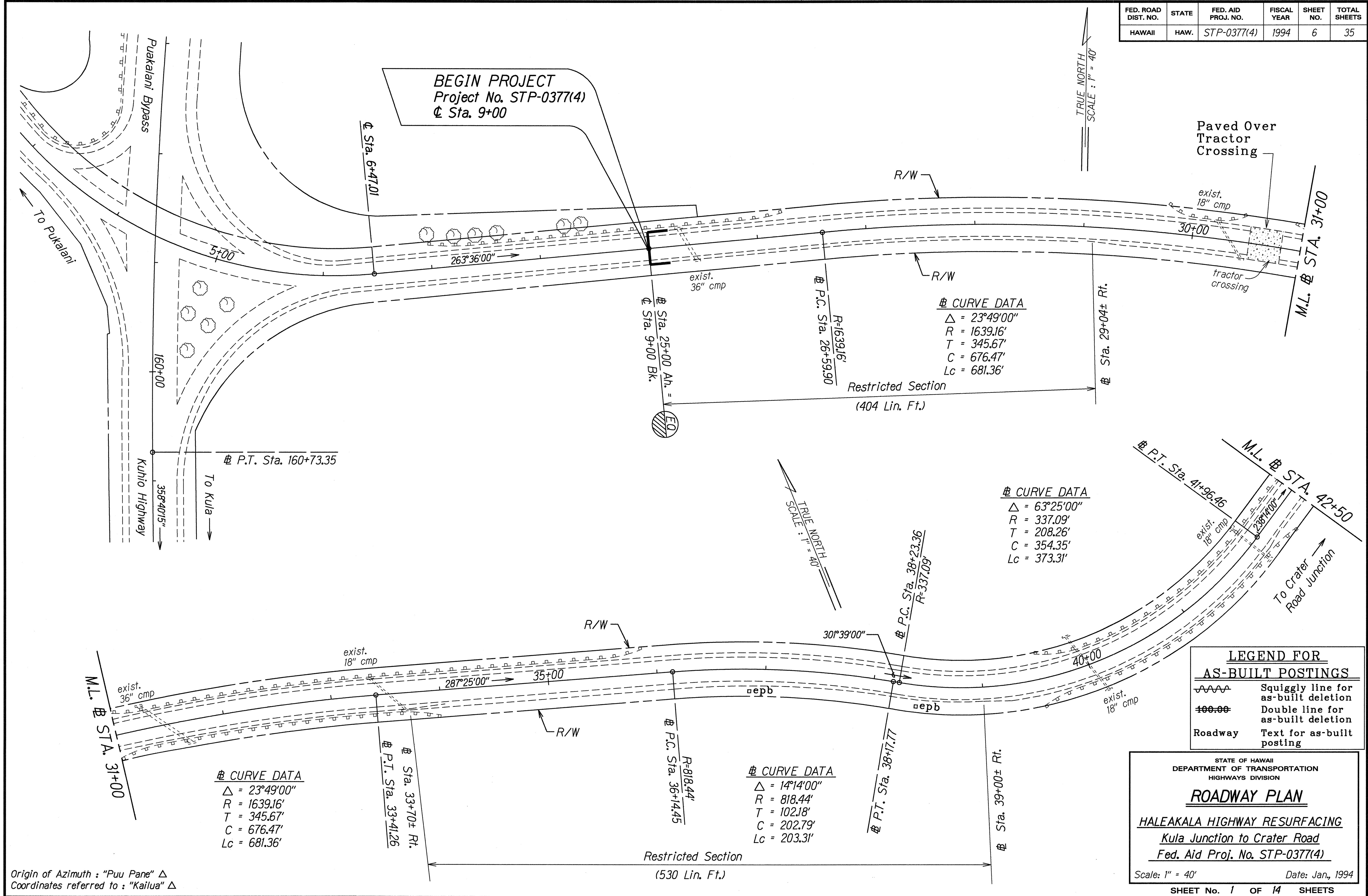
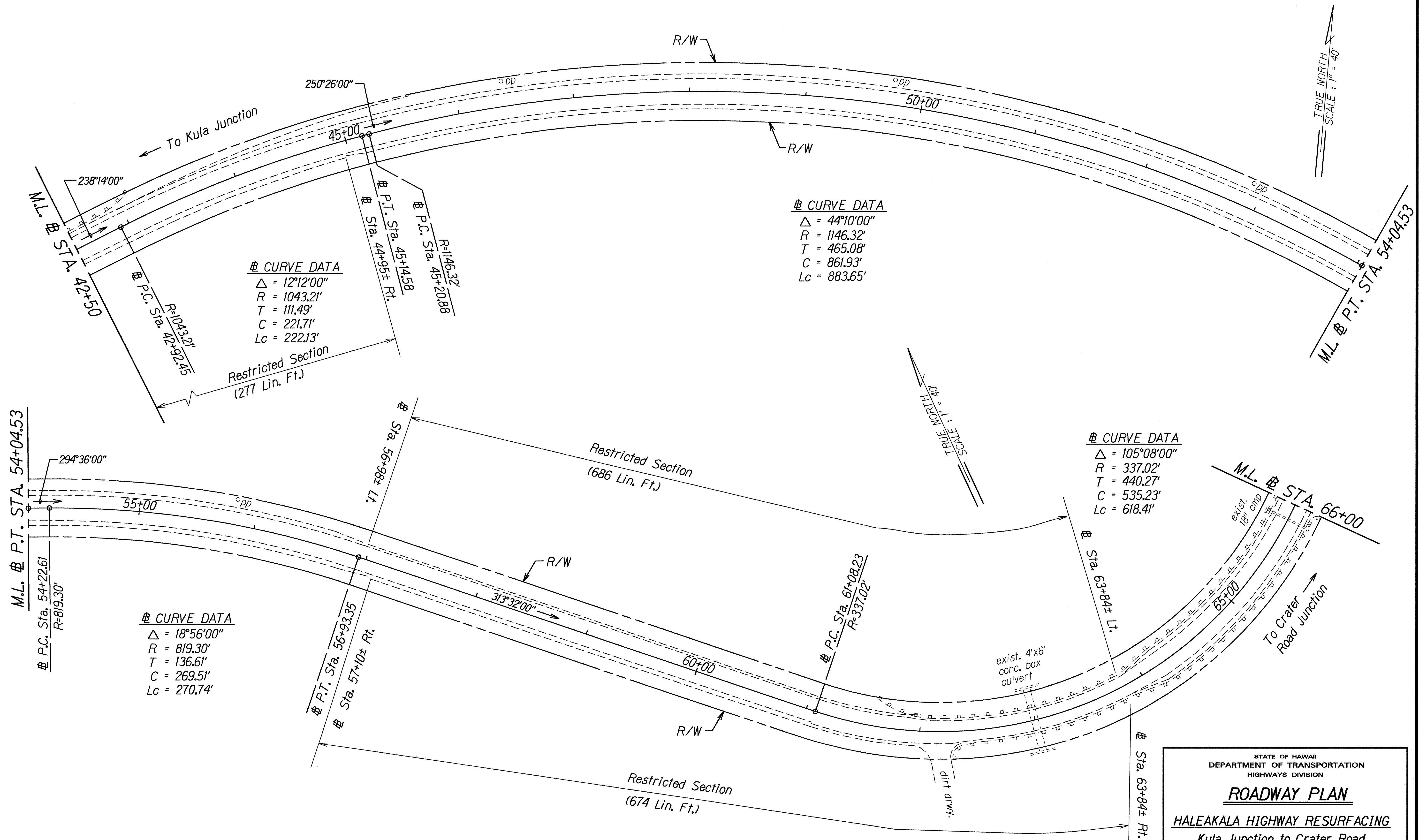


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	6	35



"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	7	35



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY J. Matsunaga	1-18-94
DESIGNED BY M. L. L. L.		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

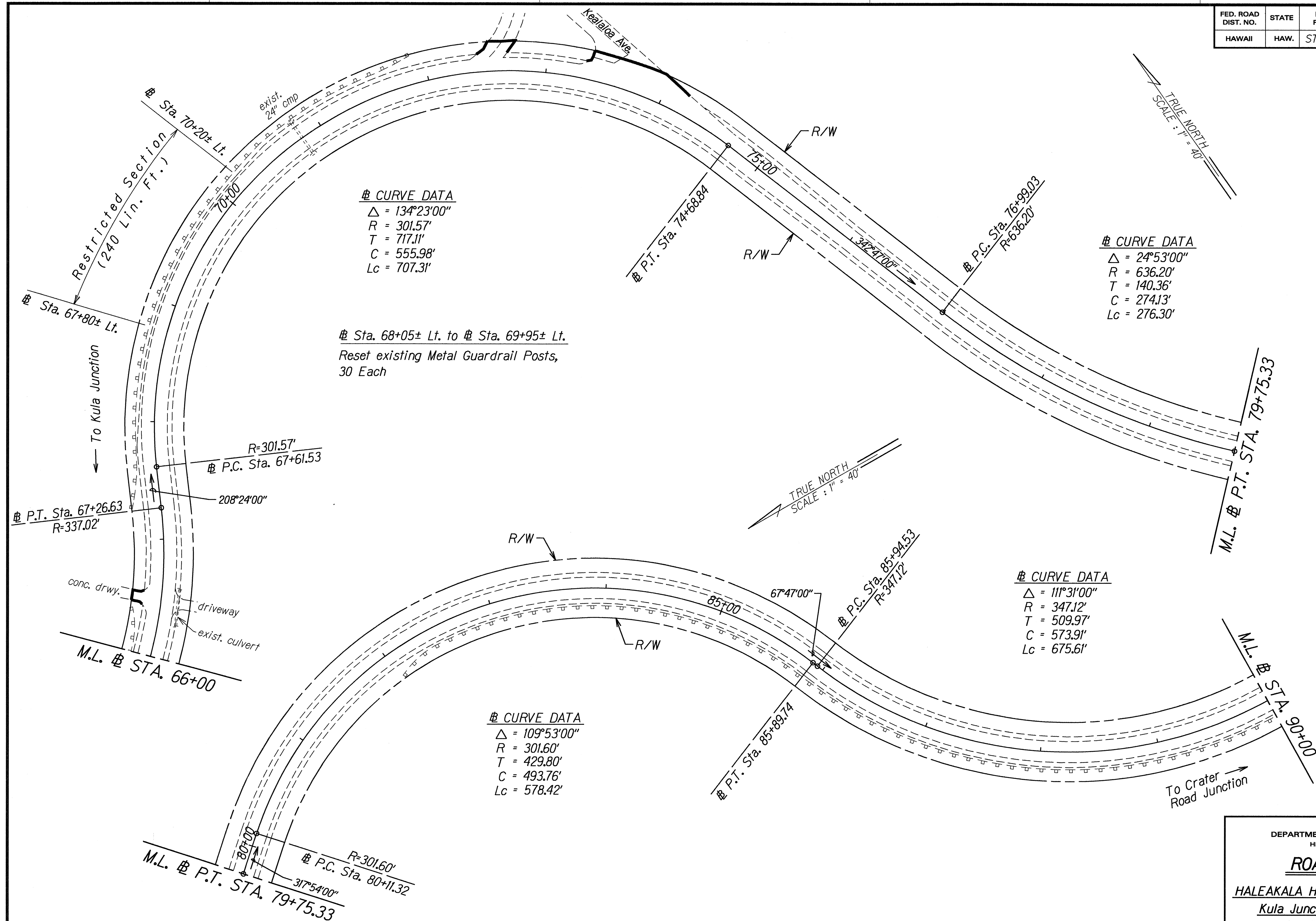
ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING
Kula Junction to Crater Road
Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40' Date: Jan., 1994

SHEET No. 2 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	8	35



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	15-10-94
DRAWN BY J. Matsubami	
DESIGNED BY M. Ate	
CHECKED BY	
NOTED BY	
DATE	
BY	
DATE	
BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING

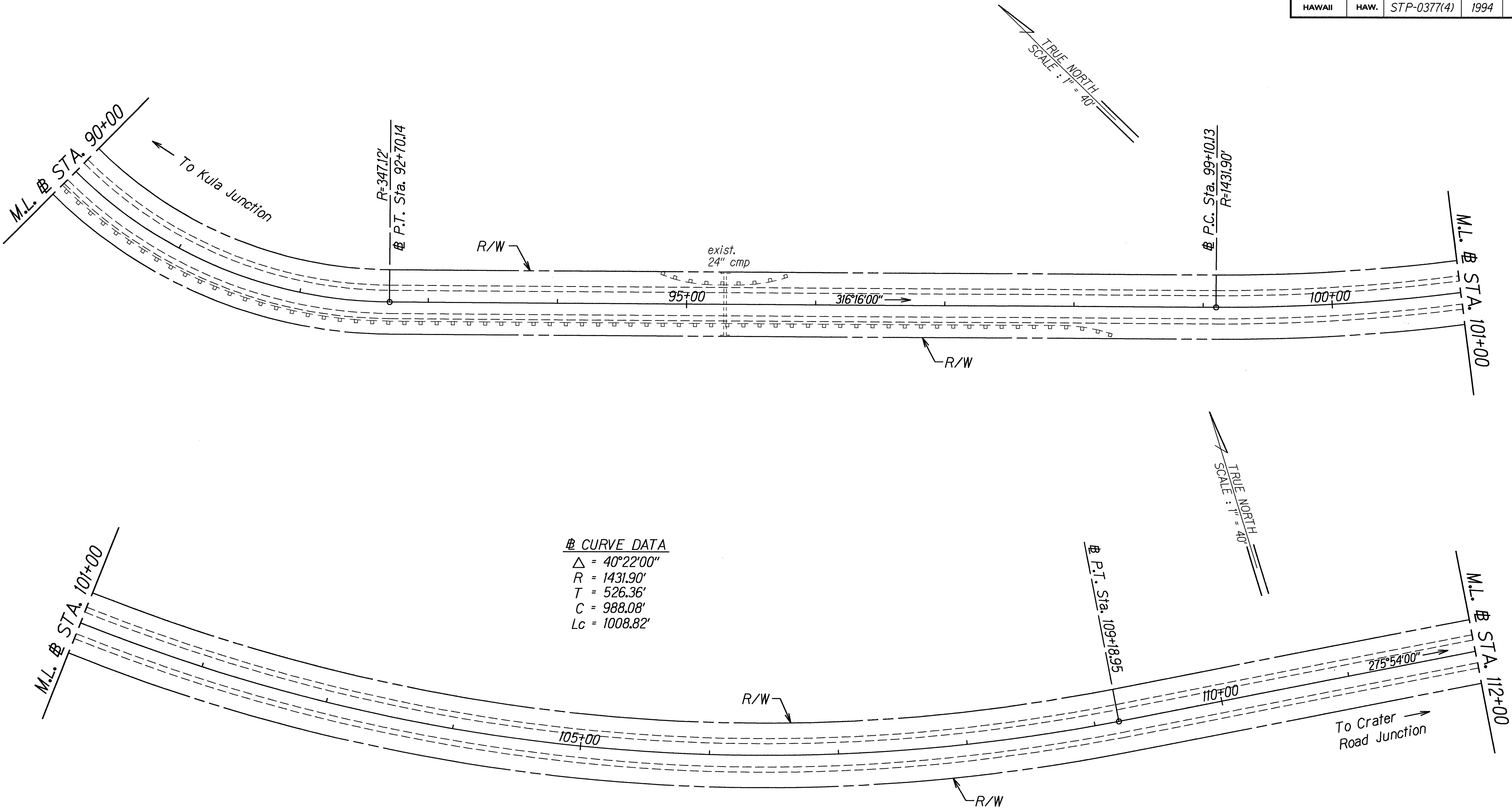
Kula Junction to Crater Road

Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40' Date: Jan., 1994

SHEET No. 3 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	9	35



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	1-15-94
DESIGNED BY	CHECKED BY	
IN CHARGE		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

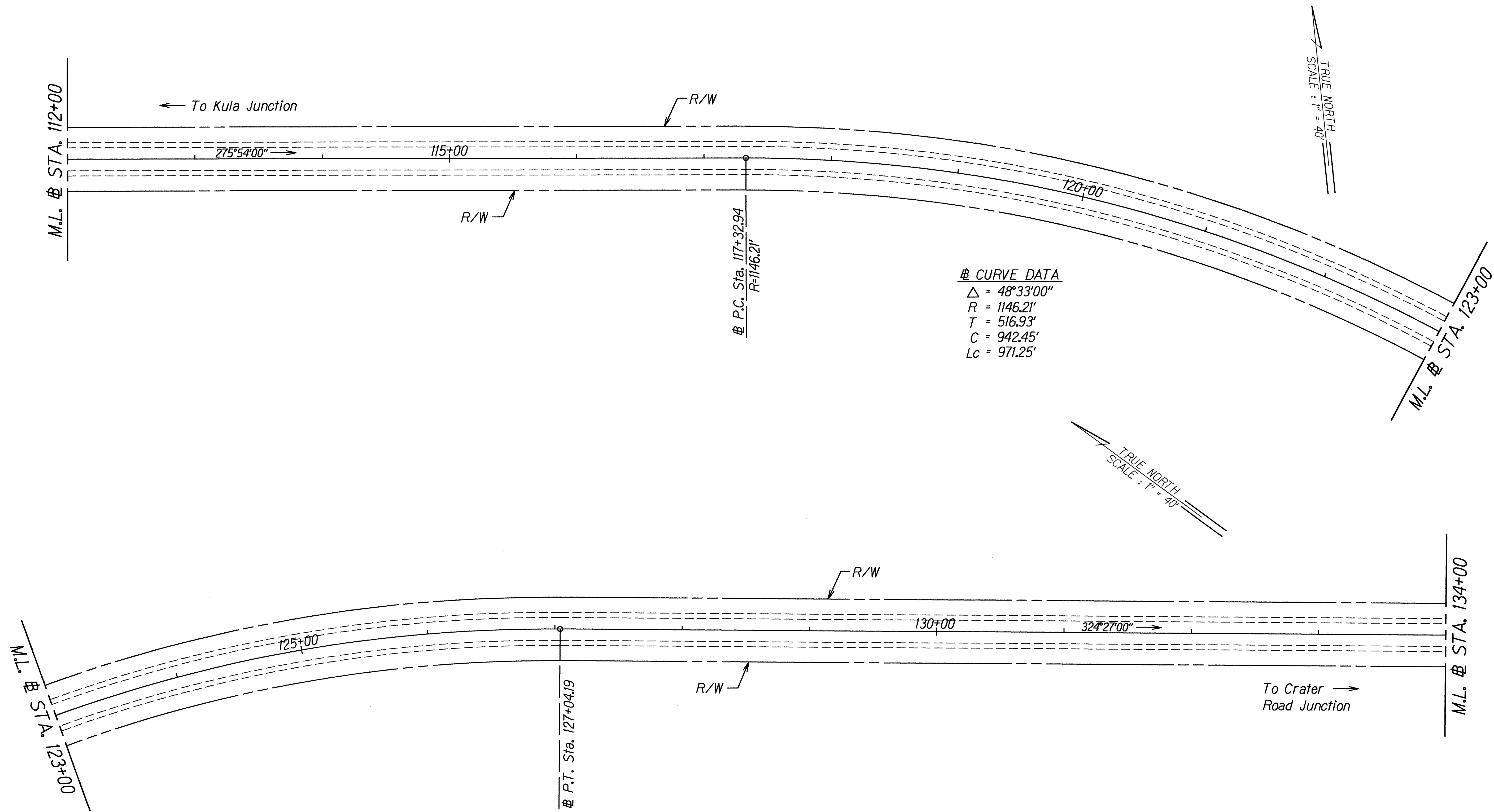
ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING
Kula Junction to Crater Road
Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40'
Date: Jan., 1994

SHEET No. 4 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	10	35



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY J. Matsudaira	1-5-7-94
DESIGNED BY M. L. Loo		
CHECKED BY		
N. 4/14/95		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

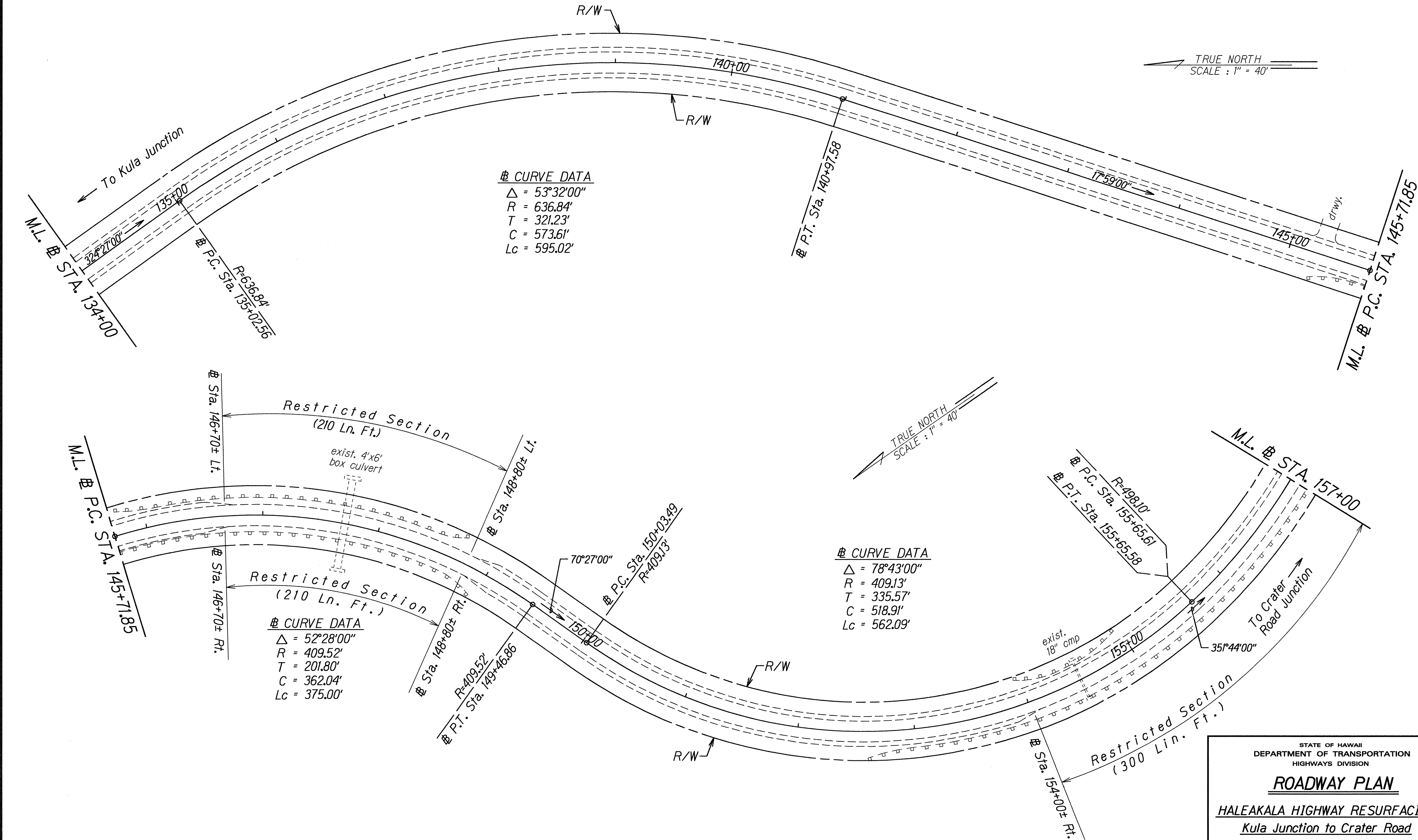
ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING
 Kula Junction to Crater Road
 Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40' Date: Jan., 1994

SHEET No. 5 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	11	35



DATE	1-18-94
SURVEY PLOTTED BY	J. Malisano
DRAWN BY	J. Malisano
DESIGNED BY	M. Antle
CHECKED BY	004, Jason
ORIGINAL PLAN	N. 4/10/95

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

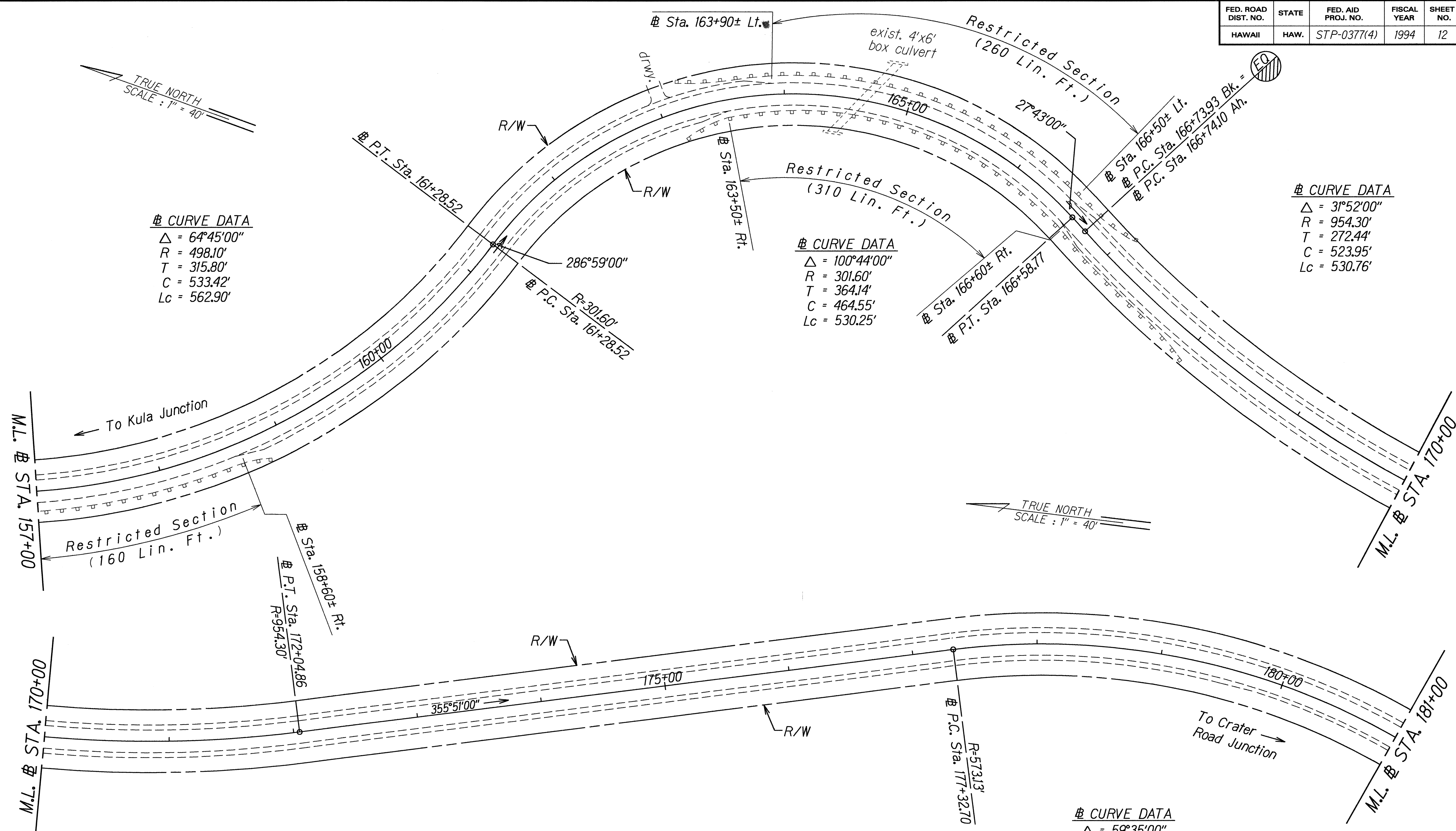
ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING
Kula Junction to Crater Road
Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40'
Date: Jan., 1994

SHEET No. 6 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	12	35



CURVE DATA
 $\Delta = 64^{\circ}45'00''$
 $R = 498.10'$
 $T = 315.80'$
 $C = 533.42'$
 $Lc = 562.90'$

CURVE DATA
 $\Delta = 100^{\circ}44'00''$
 $R = 301.60'$
 $T = 364.14'$
 $C = 464.55'$
 $Lc = 530.25'$

CURVE DATA
 $\Delta = 31^{\circ}52'00''$
 $R = 954.30'$
 $T = 272.44'$
 $C = 523.95'$
 $Lc = 530.76'$

CURVE DATA
 $\Delta = 59^{\circ}35'00''$
 $R = 573.13'$
 $T = 328.12'$
 $C = 569.52'$
 $Lc = 596.01'$

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	12-16-94
DRAWN BY	J. Malsam
DESIGNED BY	M. Aite
CHECKED BY	044, Jason
	044, Jason

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

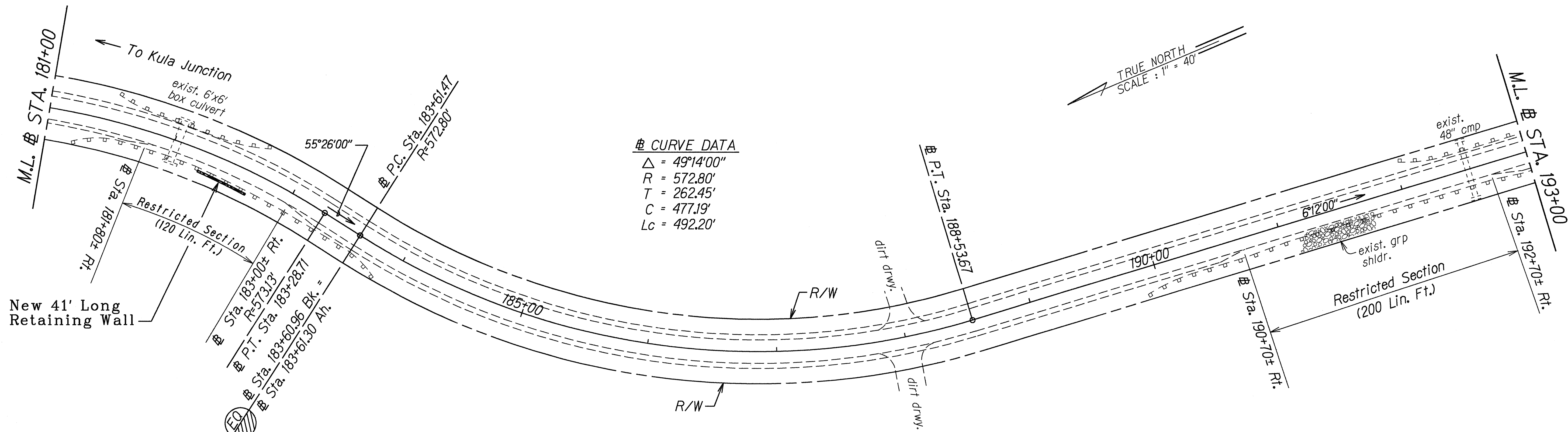
ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING
Kula Junction to Crater Road
Fed. Aid Proj. No. STP-0377(4)

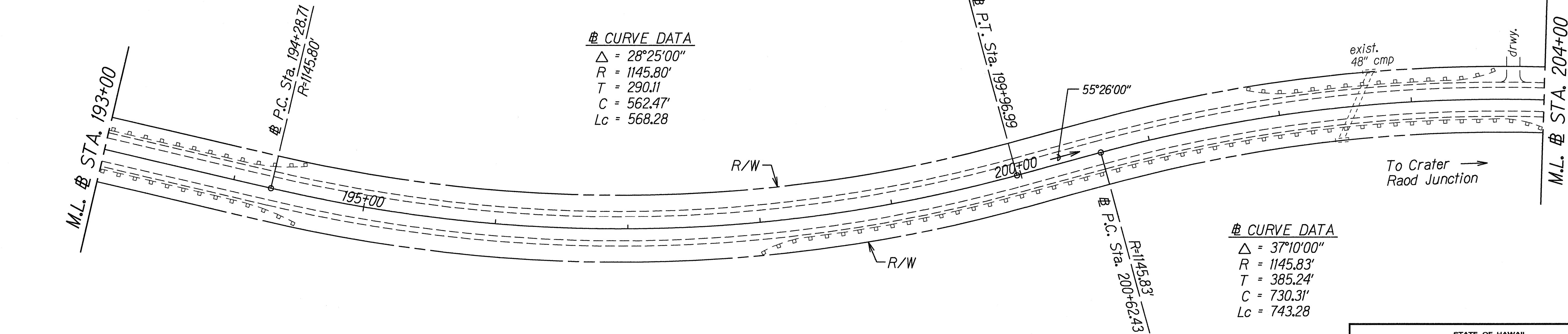
Scale: 1" = 40' Date: Jan., 1994

SHEET No. 7 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0377(4)	1994	13	35



CURVE DATA
 $\Delta = 49^{\circ}14'00''$
 $R = 572.80'$
 $T = 262.45'$
 $C = 477.19'$
 $Lc = 492.20'$



CURVE DATA
 $\Delta = 28^{\circ}25'00''$
 $R = 1145.80'$
 $T = 290.11'$
 $C = 562.47'$
 $Lc = 568.28'$

CURVE DATA
 $\Delta = 37^{\circ}10'00''$
 $R = 1145.83'$
 $T = 385.24'$
 $C = 730.31'$
 $Lc = 743.28'$

LEGEND FOR
AS-BUILT POSTINGS

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Roadway

Squiggly line for  
as-built deletion

Double line for  
as-built deletion

Text for as-built  
posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING

Kula Junction to Crater Road

Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40'

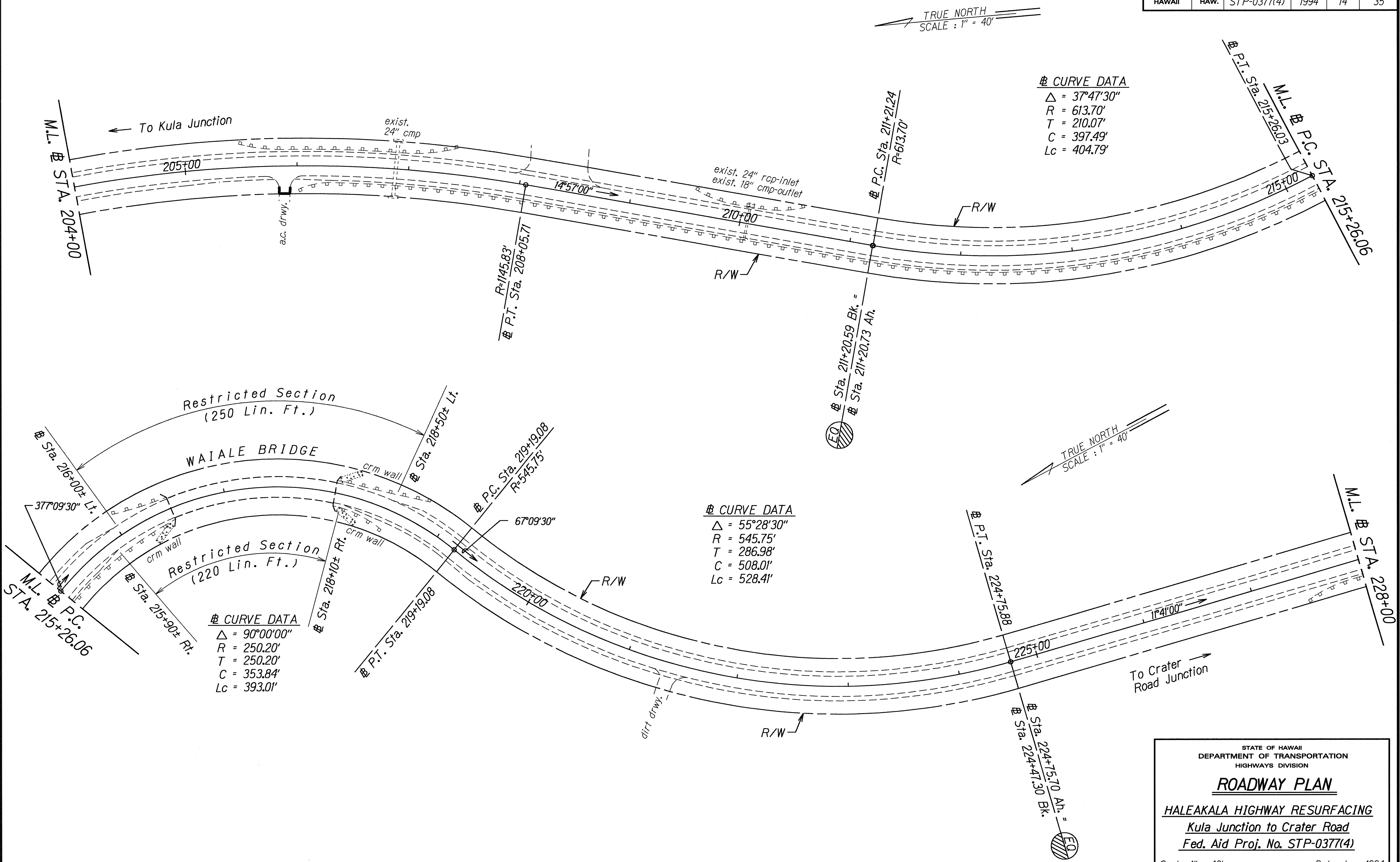
Date: Jan., 1994

SHEET No. 8 OF 14 SHEETS

|                   |              |
|-------------------|--------------|
| ORIGINAL PLAN     | DATE         |
| SURVEY PLOTTED BY | 1-15-94      |
| DRAWN BY          | J. Matsunaga |
| DESIGNED BY       | M. Arita     |
| CHECKED BY        | 004, Jason   |
| CHECKED BY        | 004, Jason   |
| CHECKED BY        | 004, Jason   |

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0377(4)        | 1994        | 14        | 35           |



|                      |                       |          |
|----------------------|-----------------------|----------|
| ORIGINAL PLAN        | SURVEY PLOTTED BY     | DATE     |
| NOTE BOOK            | DRAWN BY J. Matsuzaki | 12-16-94 |
| DESIGNED BY M. Arita |                       |          |
| CHECKED BY           |                       |          |
| IN CHARGE            |                       |          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

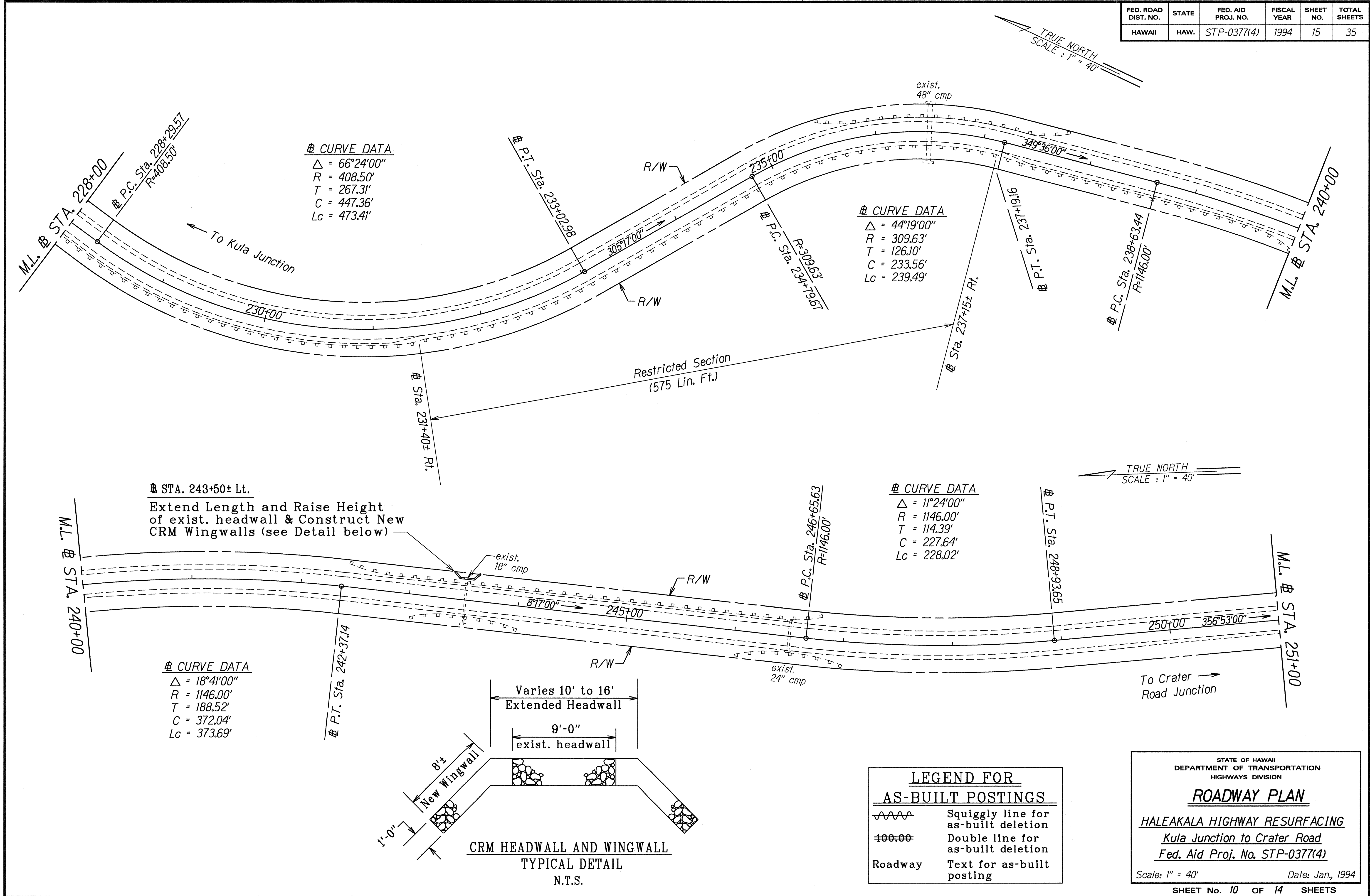
**ROADWAY PLAN**

**HALEAKALA HIGHWAY RESURFACING**  
Kula Junction to Crater Road  
Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40' Date: Jan., 1994

SHEET No. 9 OF 14 SHEETS

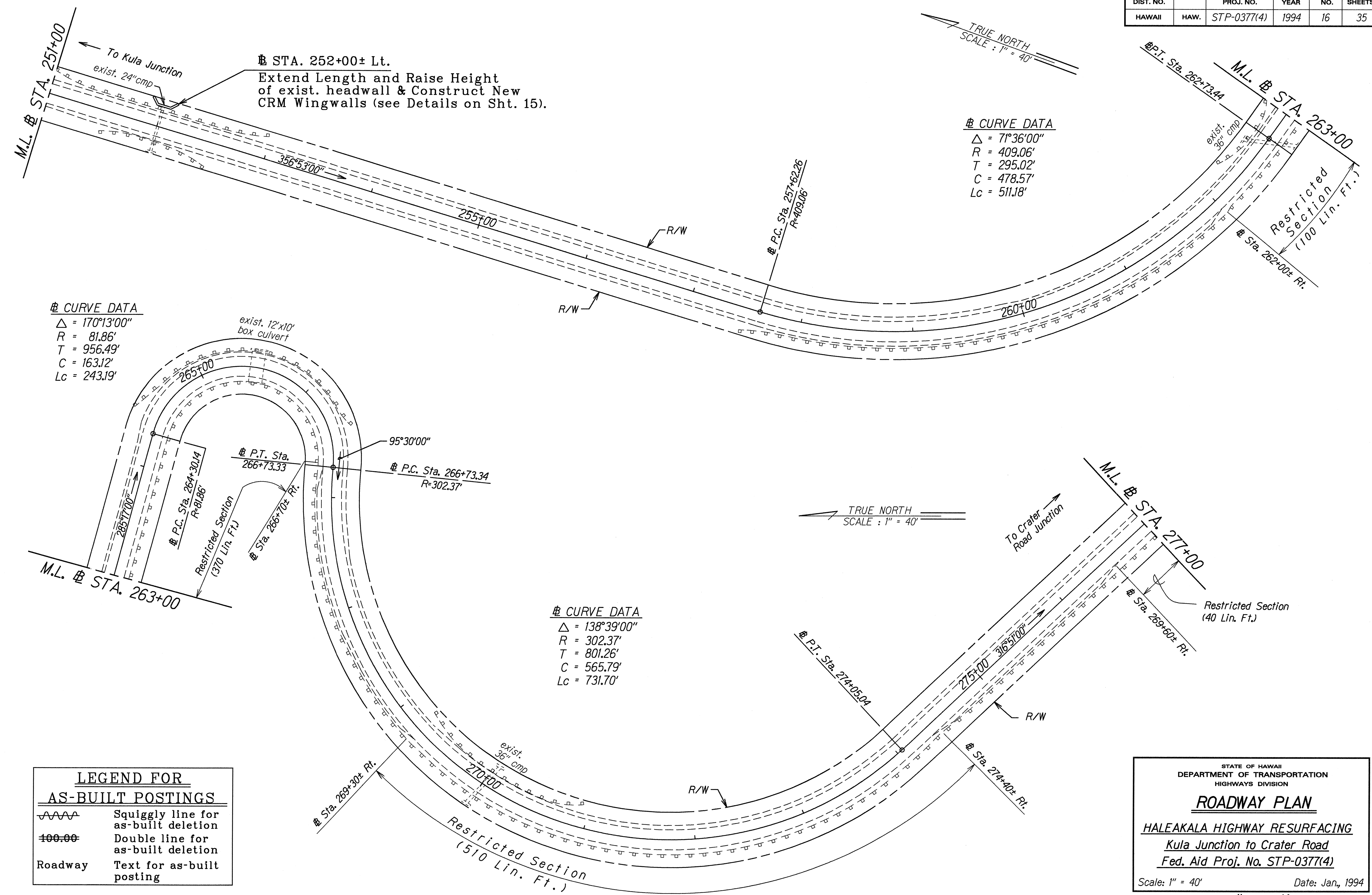
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0377(4)        | 1994        | 15        | 35           |



"AS-BUILT"

|                   |                |
|-------------------|----------------|
| ORIGINAL PLAN     | DATE           |
| SURVEY PLOTTED BY | 12-18-94       |
| DRAWN BY          | J. M. Sullivan |
| TRACED BY         | 02/27/95       |
| DESIGNED BY       | H. A. A. A.    |
| CHECKED BY        |                |
| NOTED BY          |                |
| REVISIONS         |                |
| BY                |                |
| DATE              |                |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0377(4)        | 1994        | 16        | 35           |



|                   |             |
|-------------------|-------------|
| ORIGINAL PLAN     | DATE        |
| SURVEY LOCATED BY | 15/10/94    |
| DRAWN BY          | J. Masumani |
| NOTED BY          |             |
| DESIGNED BY       | M. Aile     |
| QUANTITIES BY     |             |
| CHECKED BY        |             |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

### ROADWAY PLAN

HALEAKALA HIGHWAY RESURFACING

Kula Junction to Crater Road

Fed. Aid Proj. No. STP-0377(4)

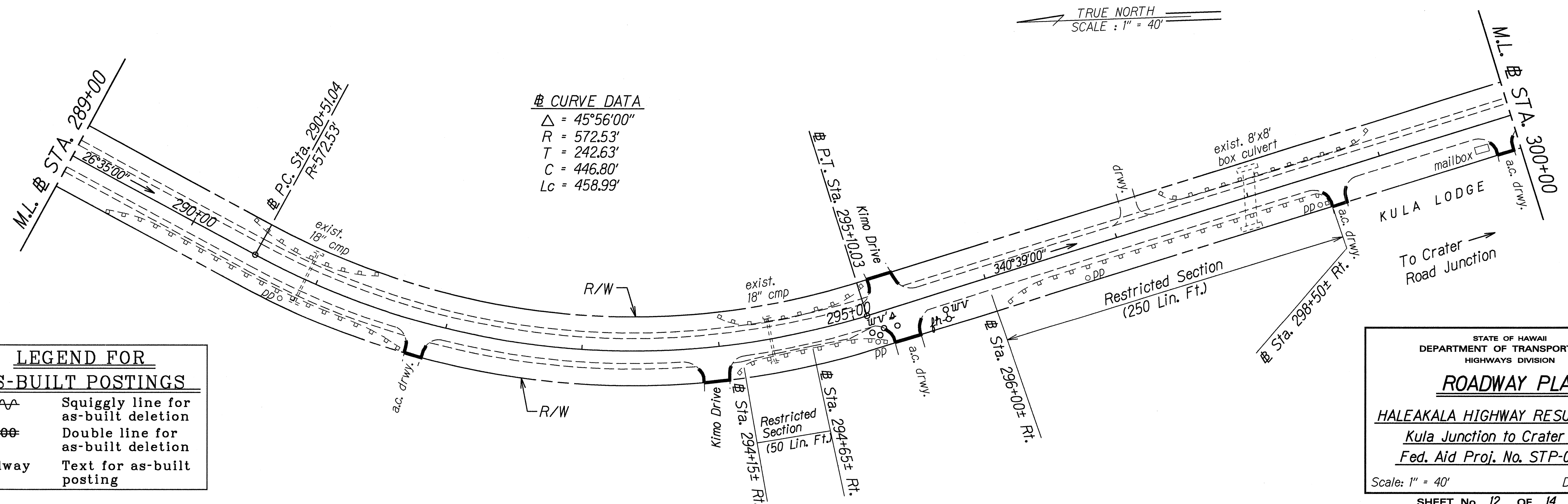
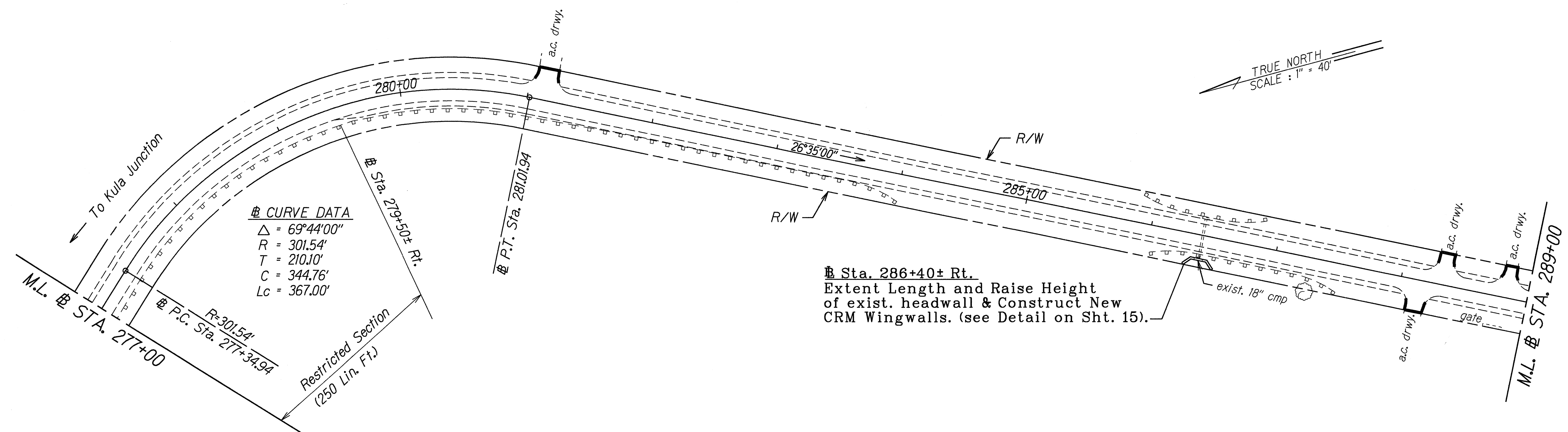
Scale: 1" = 40'

Date: Jan., 1994

SHEET No. 11 OF 14 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0377(4)        | 1994        | 17        | 35           |



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

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ROADWAY PLAN**

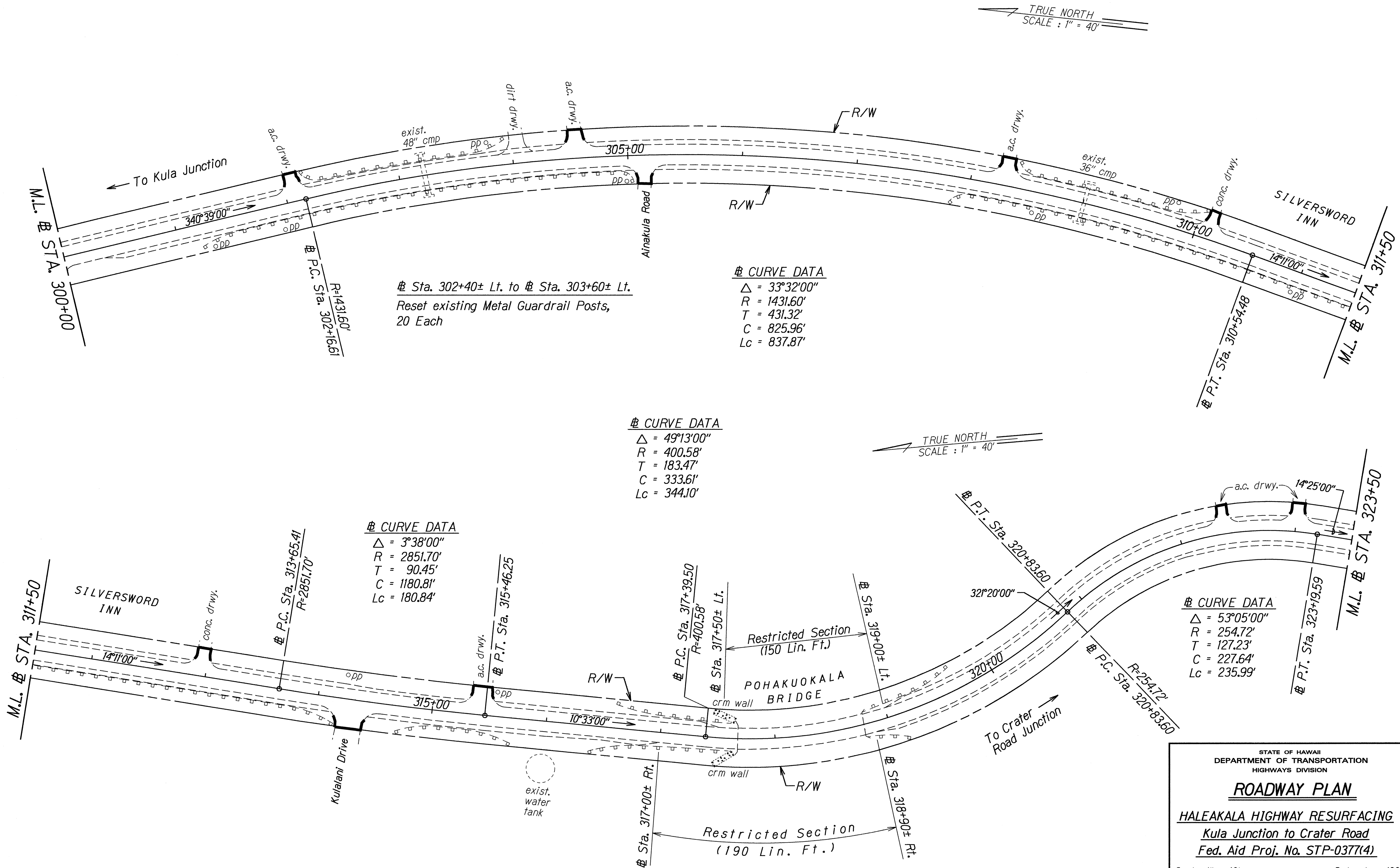
**HALEAKALA HIGHWAY RESURFACING**  
 Kula Junction to Crater Road  
 Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40' Date: Jan., 1994

SHEET No. 12 OF 14 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0377(4)        | 1994        | 18        | 35           |



|                        |                       |          |
|------------------------|-----------------------|----------|
| ORIGINAL PLAN          | SURVEY PLOTTED BY     | DATE     |
| NOTE BOOK              | DRAWN BY J. Matsunami | 12-29-94 |
| DESIGNED BY J. L. Zieg |                       |          |
| CHECKED BY N. Hualopii |                       |          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

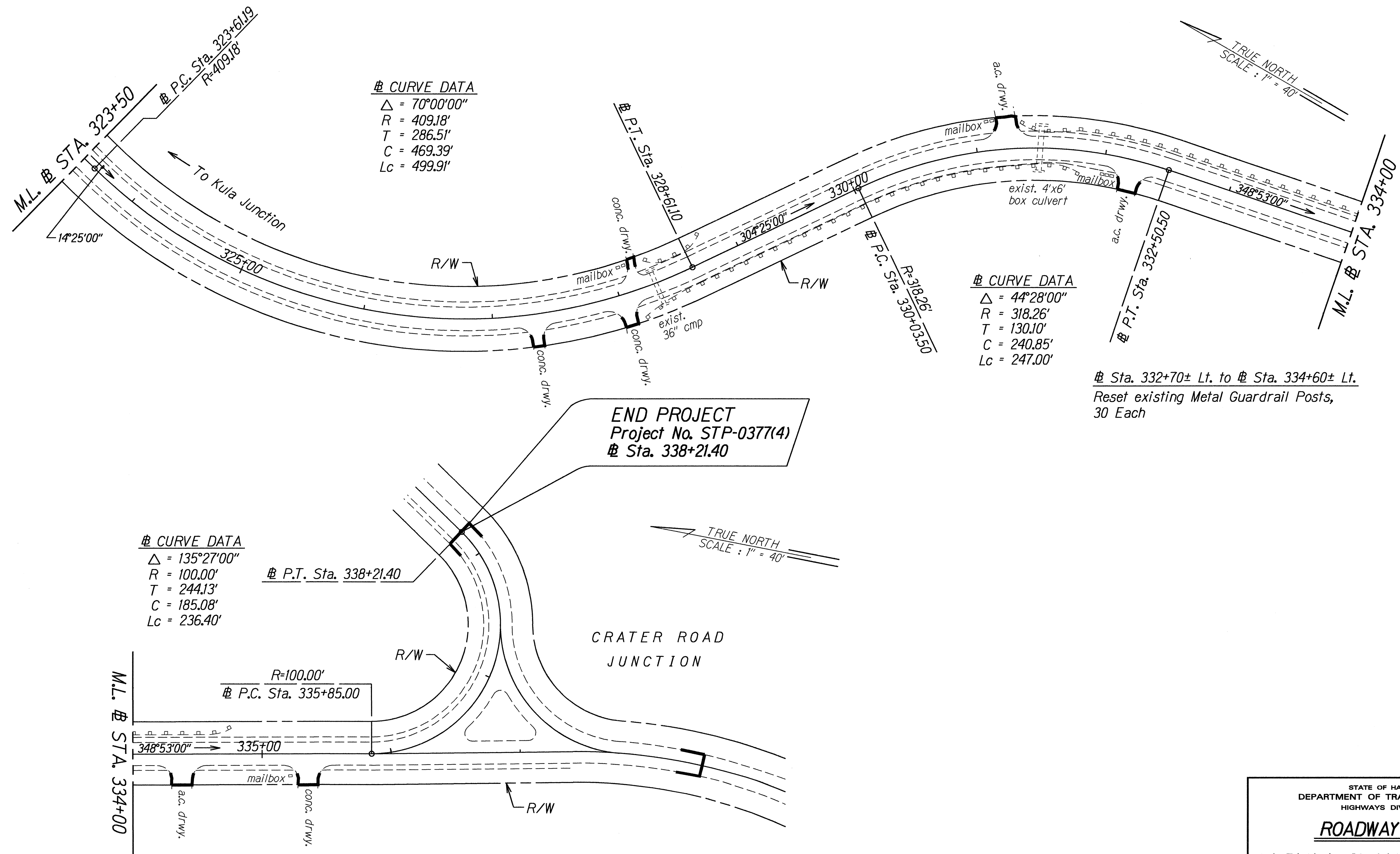
**ROADWAY PLAN**

**HALEAKALA HIGHWAY RESURFACING**  
 Kula Junction to Crater Road  
 Fed. Aid Proj. No. STP-0377(4)

Scale: 1" = 40' Date: Jan., 1994

SHEET No. 13 OF 14 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0377(4)        | 1994        | 19        | 35           |



|               |          |
|---------------|----------|
| DATE          | 12-1-94  |
| DESIGNED BY   | M. L. L. |
| TRACED BY     | M. L. L. |
| QUANTITIES BY | M. L. L. |
| CHECKED BY    | M. L. L. |
| ORIGINAL      | 10/20/94 |
| FILED         | 10/20/94 |