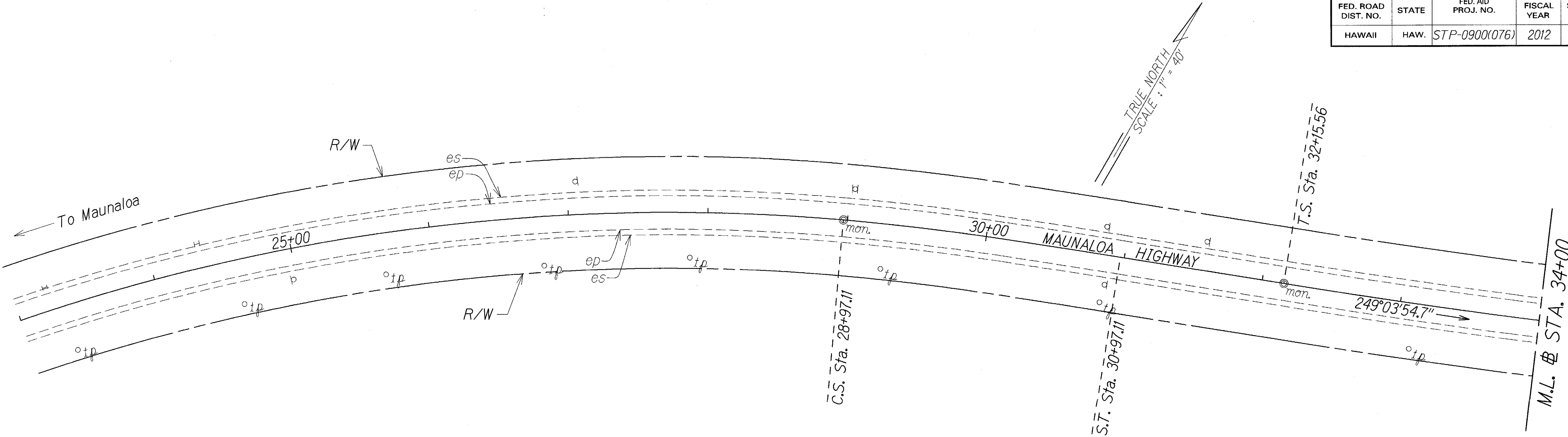
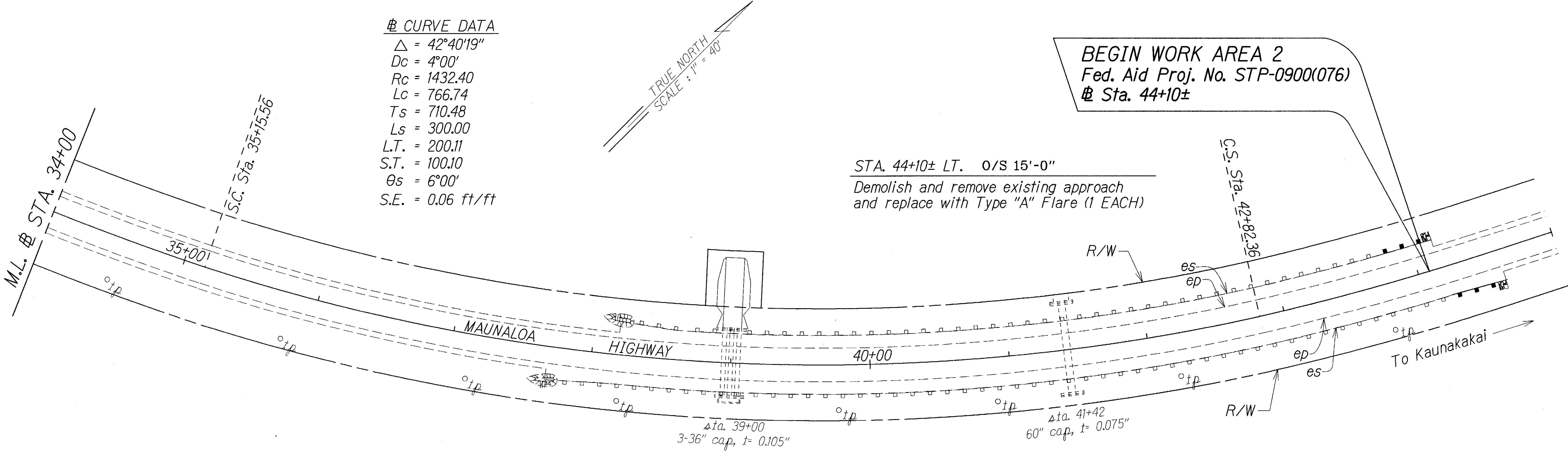


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 22        | 47           |



# CURVE DATA  
 $\Delta = 42^{\circ}40'19''$   
 $Dc = 4^{\circ}00'$   
 $Rc = 1432.40$   
 $Lc = 766.74$   
 $Ts = 710.48$   
 $Ls = 300.00$   
 $L.T. = 200.11$   
 $S.T. = 100.10$   
 $\theta s = 6^{\circ}00'$   
 $S.E. = 0.06 \text{ ft/ft}$



**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**

GUARDRAIL & SHOULDER IMPROVEMENT

At Various Locations, Molokai

Federal-Aid Project No. STP-0900(076)

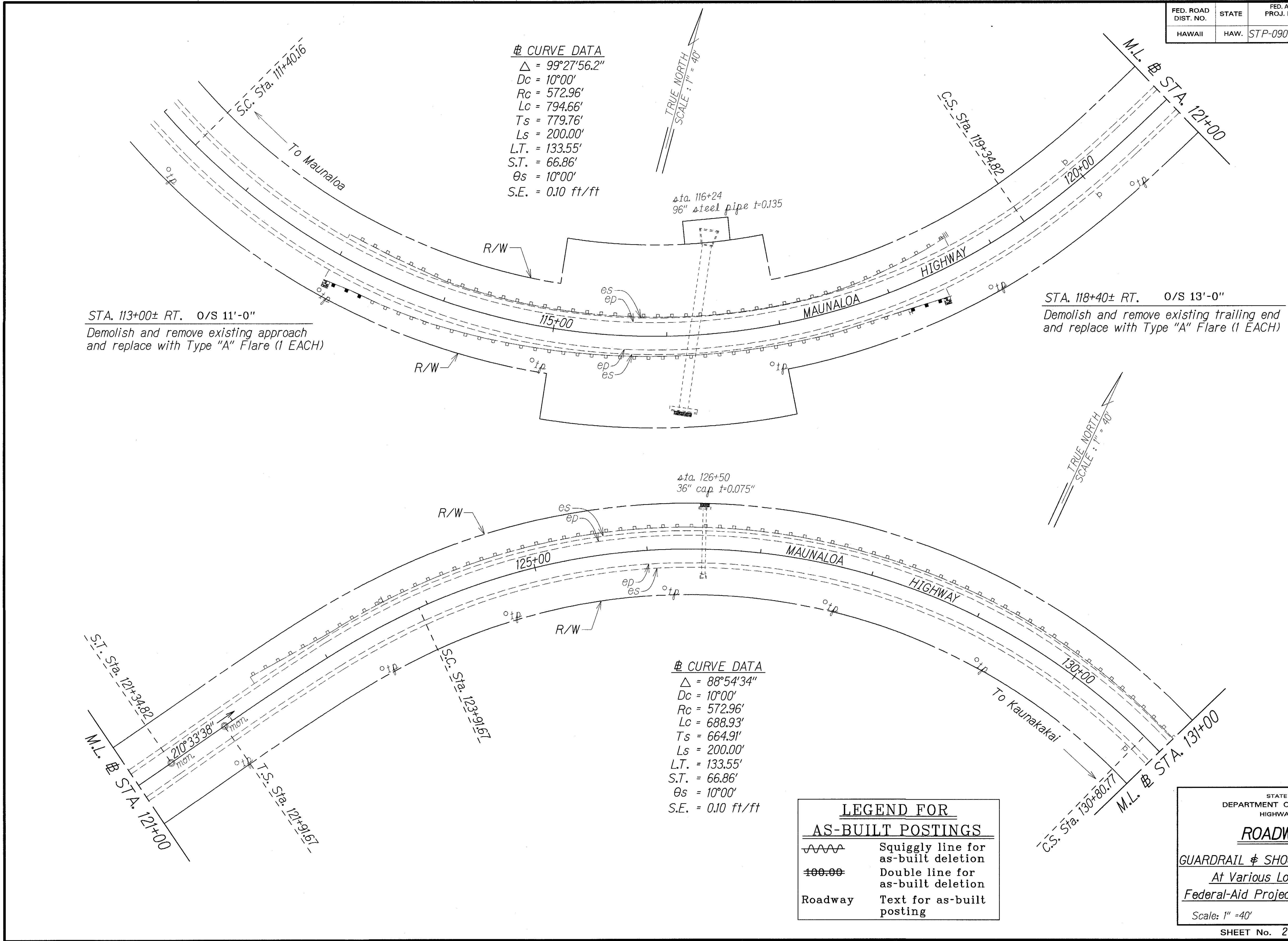
Scale: 1" = 40' Date: July, 2011

SHEET No. 1 OF 10 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          | 1/11 |
| DESIGNED BY       |      |
| NOTED BY          |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| NO. 1             |      |

"AS-BUILT"

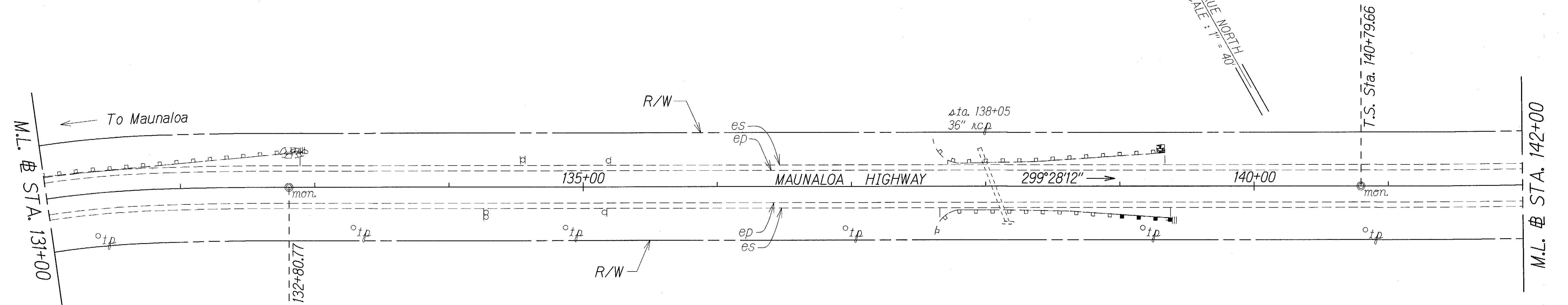
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 23        | 47           |



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |

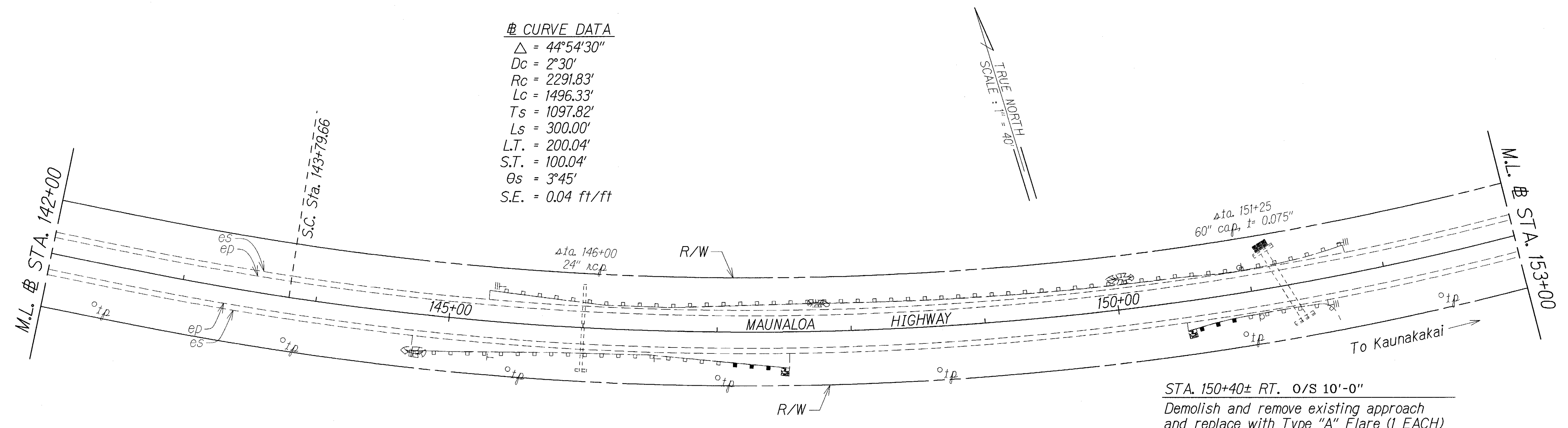
"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 24        | 47           |



STA. 139+26± RT. 0/S 16'-0"  
Demolish and remove existing trailing end and replace with Type "A" Flare (1 EACH)

**¢ CURVE DATA**  
 $\Delta = 44^\circ 54' 30''$   
 $D_c = 2^\circ 30'$   
 $R_c = 2291.83'$   
 $L_c = 1496.33'$   
 $T_s = 1097.82'$   
 $L_s = 300.00'$   
 $L.T. = 200.04'$   
 $S.T. = 100.04'$   
 $\theta_s = 3^\circ 45'$   
 $S.E. = 0.04 \text{ ft/ft}$



STA. 150+40± RT. 0/S 10'-0"  
Demolish and remove existing approach and replace with Type "A" Flare (1 EACH)

STA. 147+40± RT. 0/S 10'-0"  
Demolish and remove existing trailing end and replace with Type "A" Flare (1 EACH)

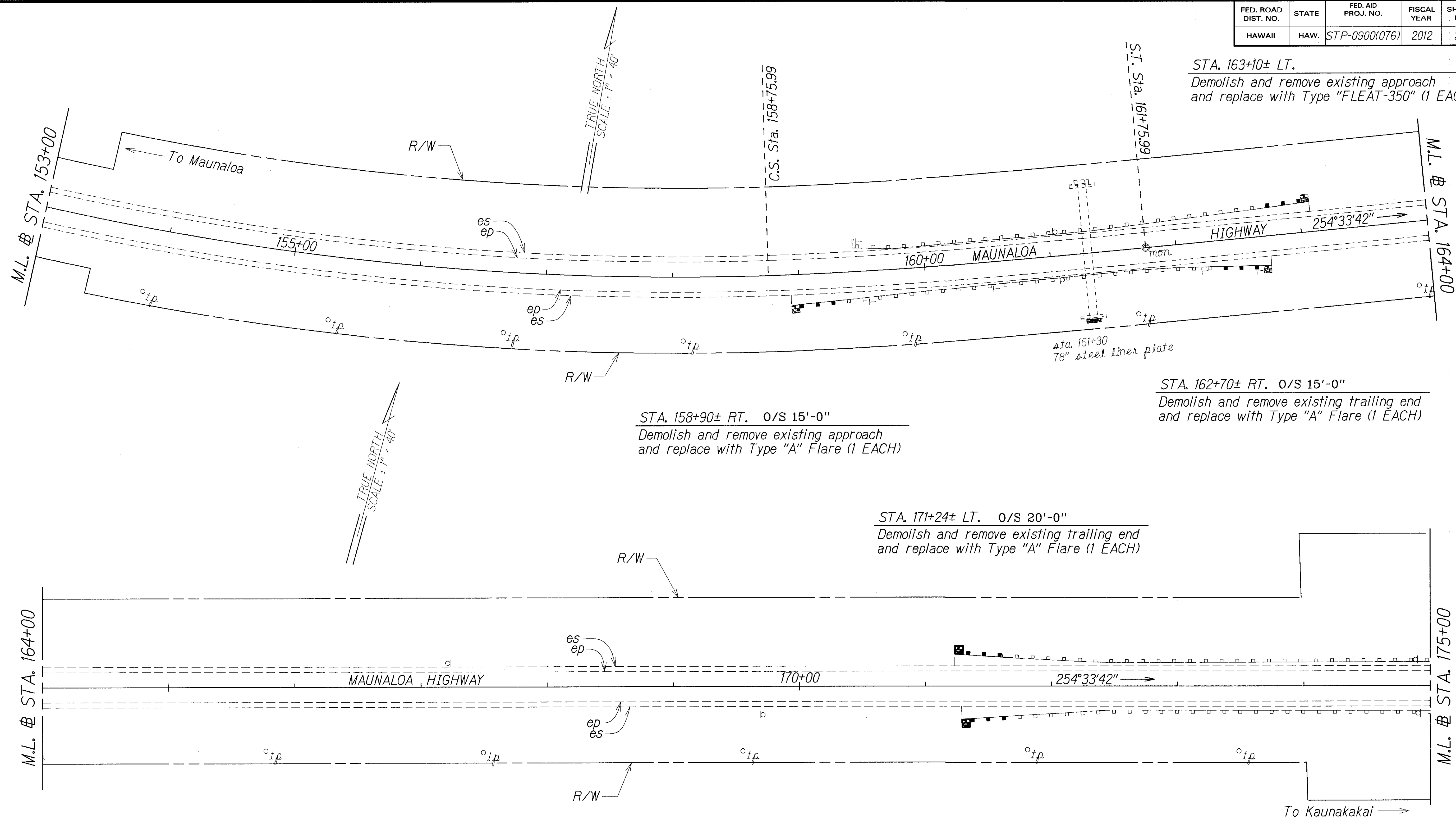
| LEGEND FOR AS-BUILT POSTINGS |                                     |
|------------------------------|-------------------------------------|
|                              | Squiggly line for as-built deletion |
|                              | Double line for as-built deletion   |
| Roadway       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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ROADWAY PLAN**  
**GUARDRAIL & SHOULDER IMPROVEMENT**  
At Various Locations, Molokai  
Federal-Aid Project No. STP-0900(076)  
Scale: 1" = 40' Date: July, 2011  
SHEET No. 3 OF 10 SHEETS

|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          | 7/11 |
| 10/12/11      | DESIGNED BY       |      |
| 10/12/11      | QUANTITIES BY     |      |
| 10/12/11      | CHECKED BY        |      |

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 25        | 47           |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| DESIGNED BY   | DRIVEN BY         | 1/11 |
| NOTED BY      | DESIGNED BY       |      |
| QUANTITIES BY | DESIGNED BY       |      |
| CHECKED BY    | DESIGNED BY       |      |
| N. x dgm      |                   |      |

| 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

GUARDRAIL & SHOULDER IMPROVEMENT

At Various Locations, Molokai

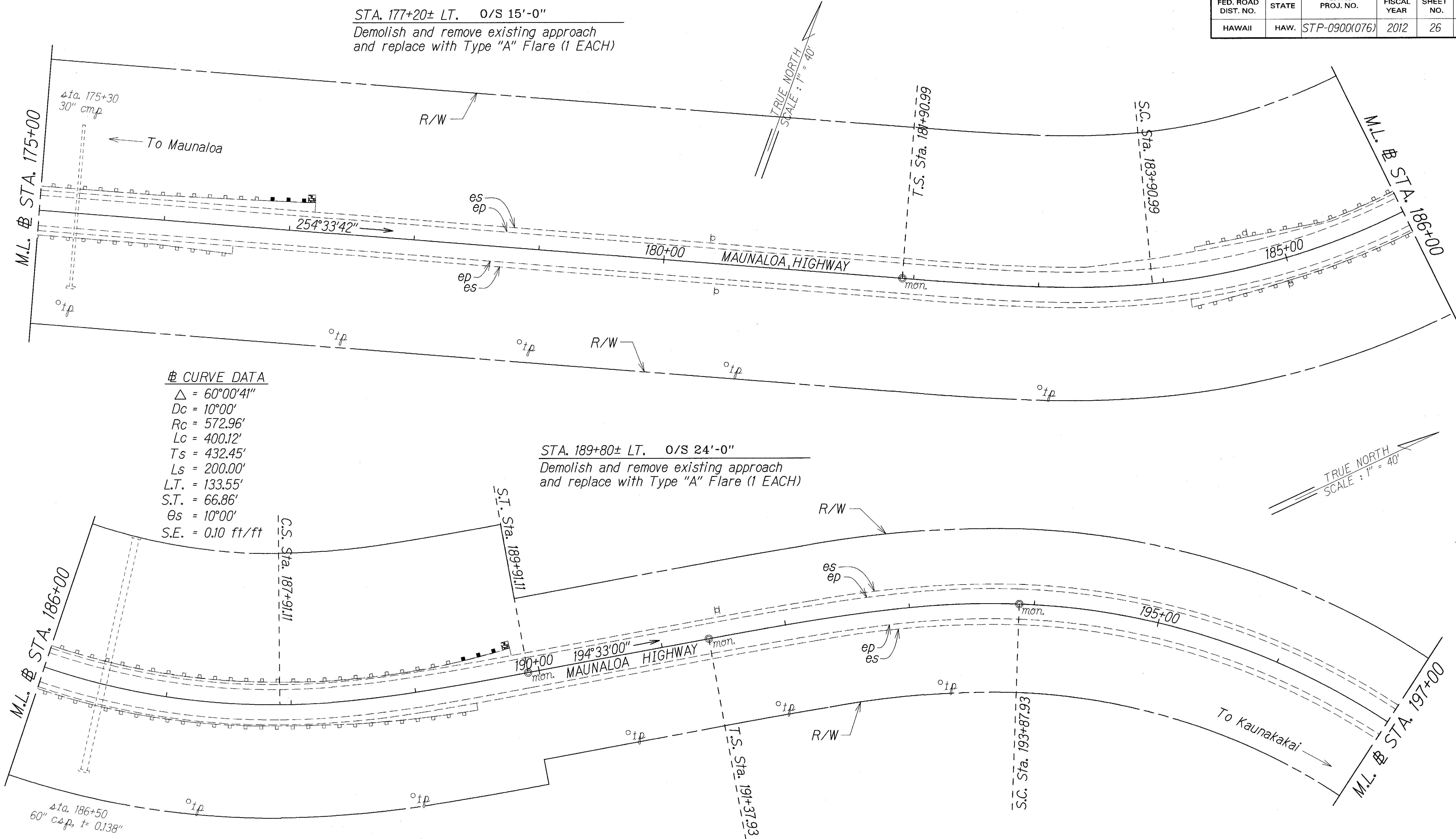
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40'      Date: July, 2011

SHEET No. 4 OF 10 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 26        | 47           |



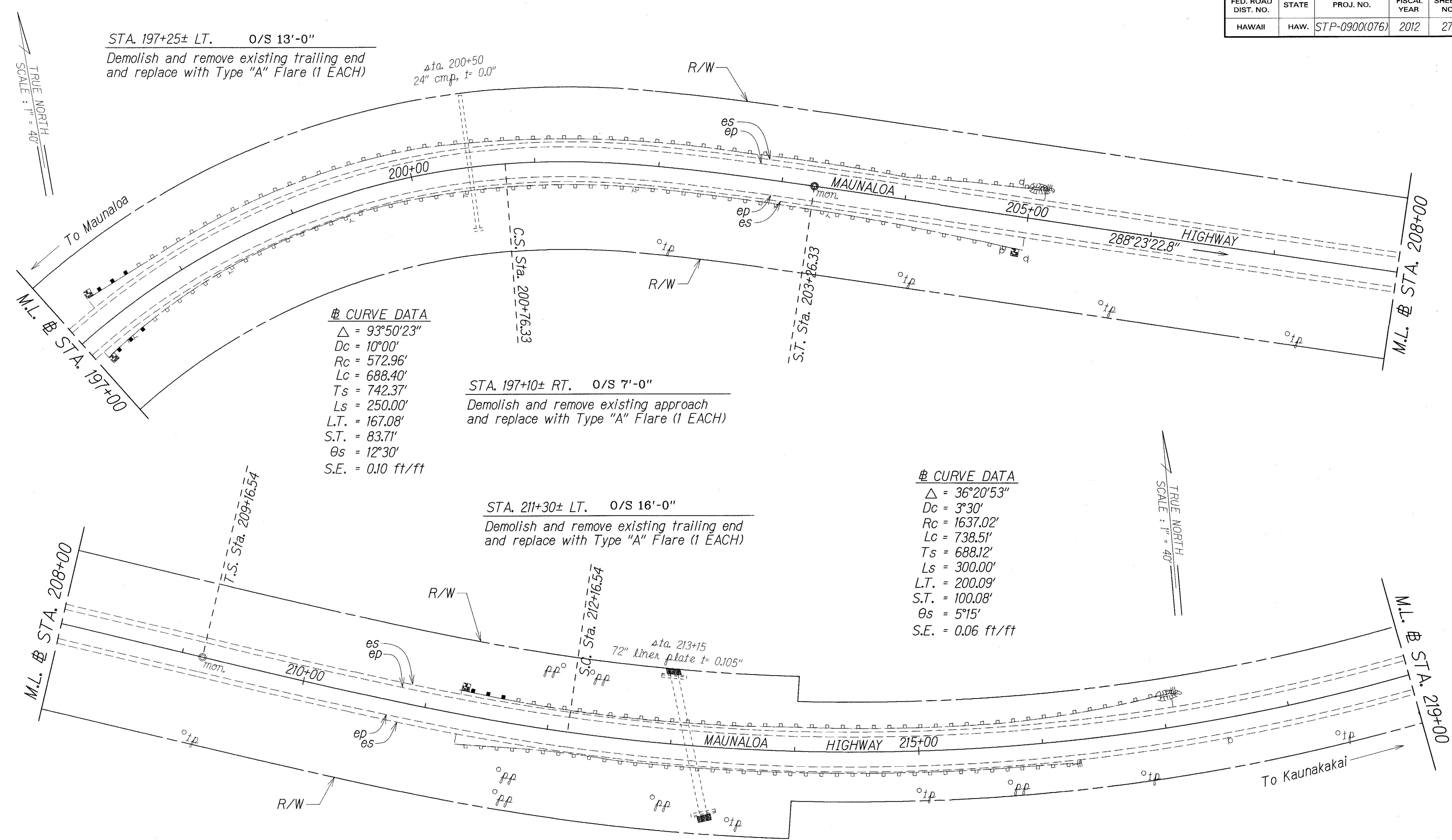
|               |      |      |
|---------------|------|------|
| ORIGINAL PLAN | DATE | 7/11 |
| DRAWN BY      |      |      |
| DESIGNED BY   |      |      |
| QUANTITIES BY |      |      |
| CHECKED BY    |      |      |
| NOTE BOOK     |      |      |
| 10/11/11      |      |      |
| N. 10/11/11   |      |      |

| 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<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |
| <b>ROADWAY PLAN</b>                                                  |
| GUARDRAIL & SHOULDER IMPROVEMENT                                     |
| At Various Locations, Molokai                                        |
| Federal-Aid Project No. STP-0900(076)                                |
| Scale: 1" = 40' Date: July, 2011                                     |
| SHEET No. 5 OF 10 SHEETS                                             |

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 27        | 47           |



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

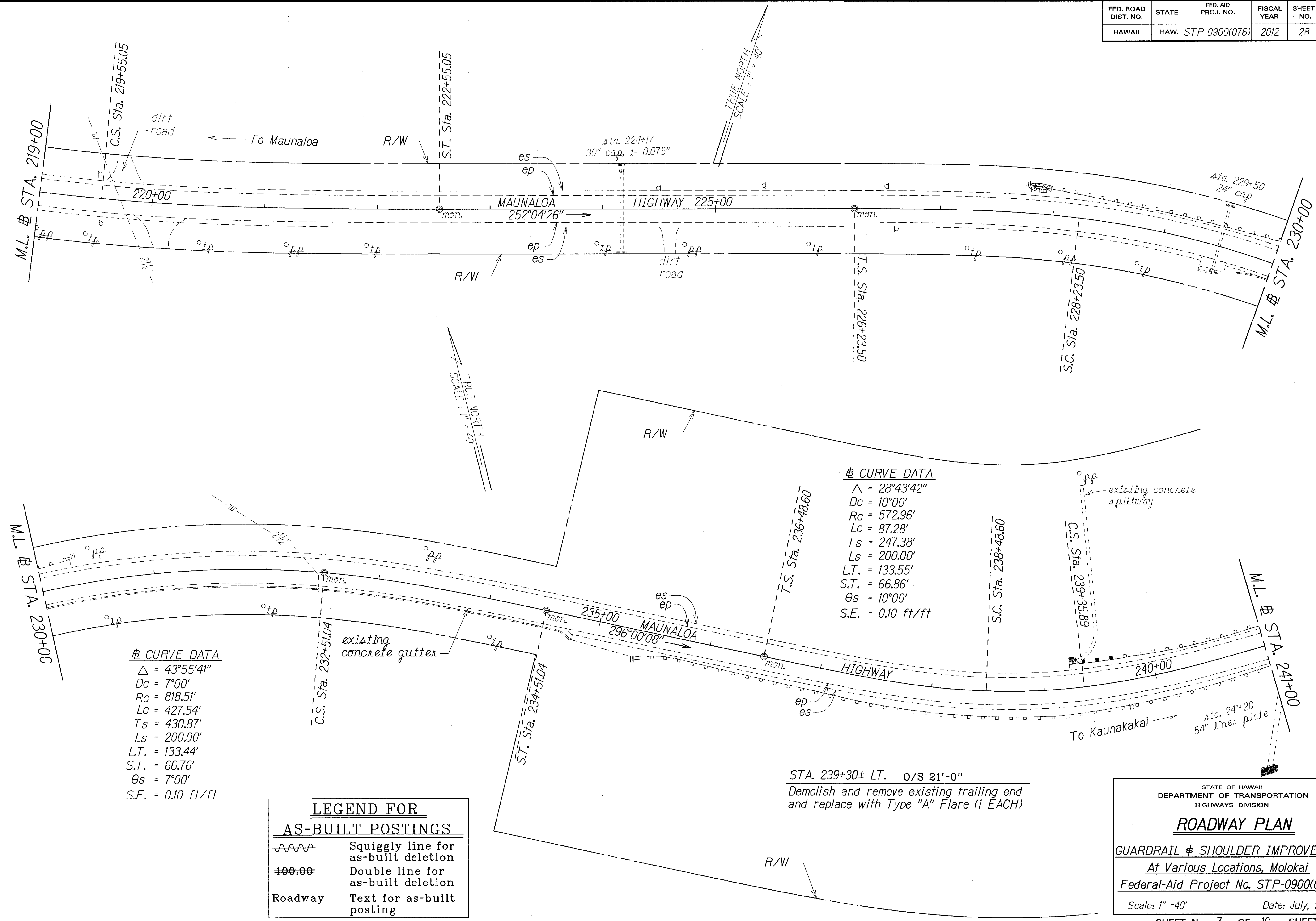
GUARDRAIL & SHOULDER IMPROVEMENT  
At Various Locations, Molokai  
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40' Date: July, 2011

SHEET No. 6 OF 10 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 28        | 47           |



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          | 7/11 |
| DESIGNED BY       |      |
| NOTE BOOK         |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

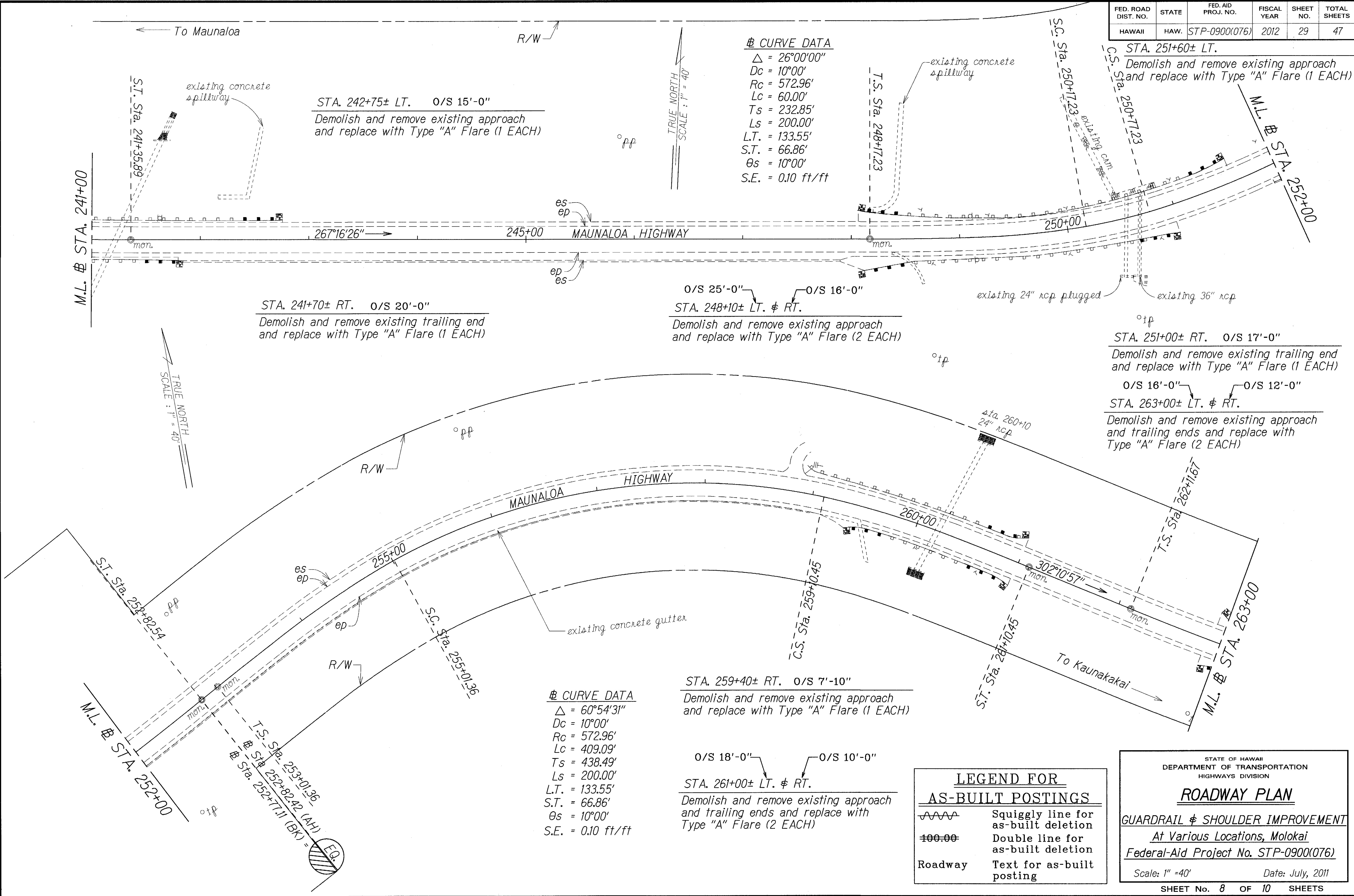
GUARDRAIL & SHOULDER IMPROVEMENT  
At Various Locations, Molokai  
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40' Date: July, 2011

SHEET No. 7 OF 10 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 29        | 47           |



**⊕ CURVE DATA**  
 $\Delta = 26^{\circ}00'00''$   
 $Dc = 10^{\circ}00'$   
 $Rc = 572.96'$   
 $Lc = 60.00'$   
 $Ts = 232.85'$   
 $Ls = 200.00'$   
 $L.T. = 133.55'$   
 $S.T. = 66.86'$   
 $\theta s = 10^{\circ}00'$   
 $S.E. = 0.10 \text{ ft/ft}$

**⊕ CURVE DATA**  
 $\Delta = 60^{\circ}54'31''$   
 $Dc = 10^{\circ}00'$   
 $Rc = 572.96'$   
 $Lc = 409.09'$   
 $Ts = 438.49'$   
 $Ls = 200.00'$   
 $L.T. = 133.55'$   
 $S.T. = 66.86'$   
 $\theta s = 10^{\circ}00'$   
 $S.E. = 0.10 \text{ ft/ft}$

**LEGEND FOR AS-BUILT POSTINGS**

|  |                                     |
|--|-------------------------------------|
|  | 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**

**GUARDRAIL & SHOULDER IMPROVEMENT**

*At Various Locations, Molokai*  
Federal-Aid Project No. STP-0900(076)

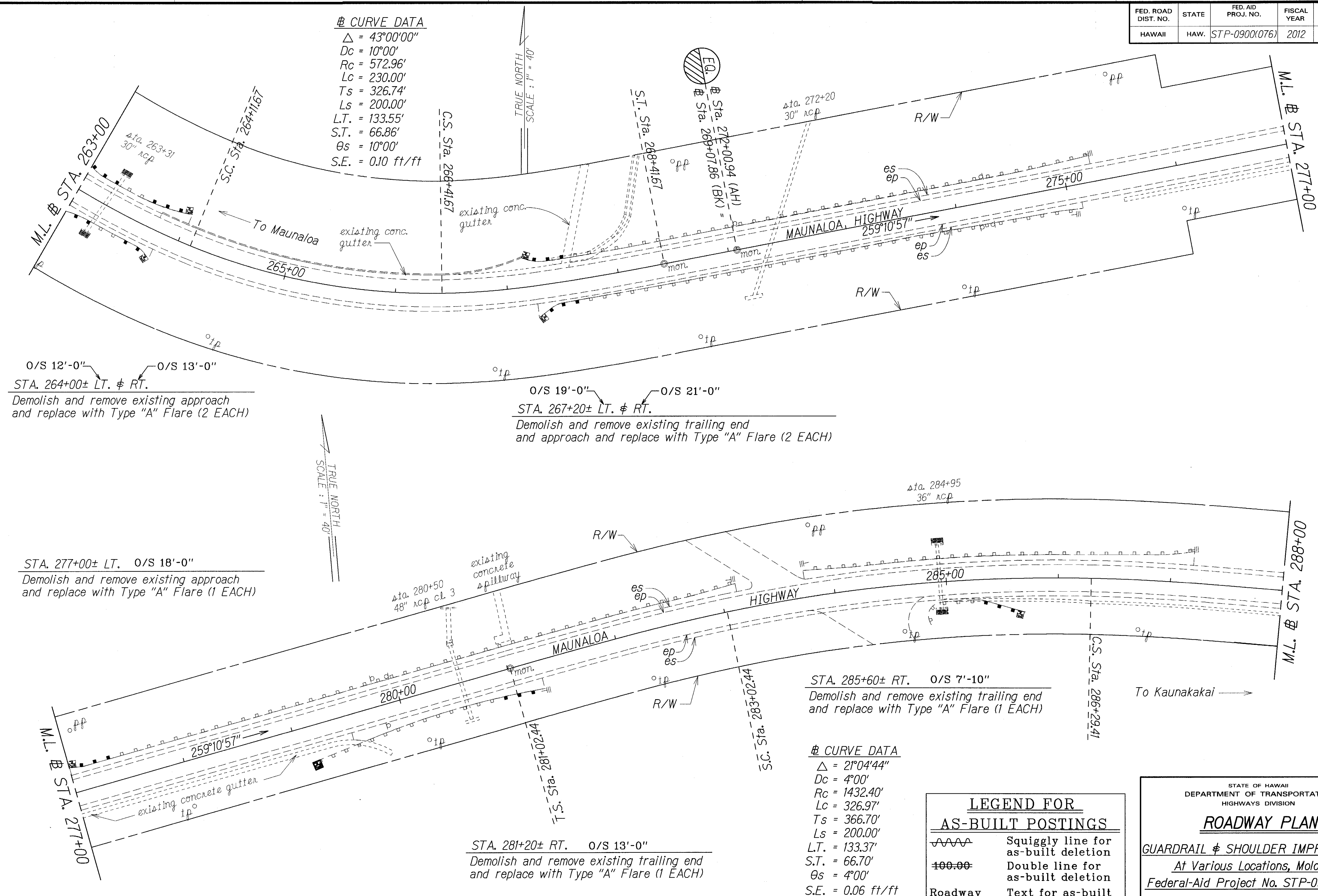
Scale: 1" = 40'      Date: July, 2011

SHEET No. 8 OF 10 SHEETS

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

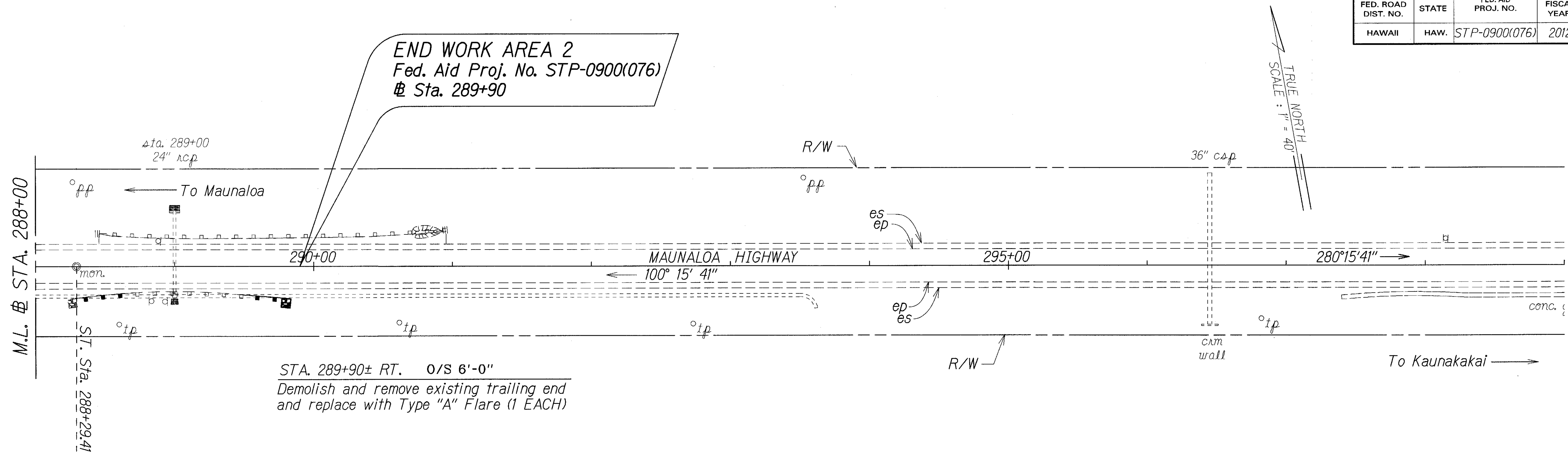
"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 30        | 47           |



|                   |       |
|-------------------|-------|
| SURVEY PLOTTED BY | DATE  |
| DRAWN BY          | 12/11 |
| DESIGNED BY       |       |
| NOTED BY          |       |
| CHECKED BY        |       |
| ORIGINAL PLAN     |       |
| NOTE BOOK         |       |
| QUANTITIES BY     |       |
| CHECKED BY        |       |
| DATE              |       |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 31        | 47           |



STA. 289+90± RT. 0/S 6'-0"  
Demolish and remove existing trailing end  
and replace with Type "A" Flare (1 EACH)

STA. 288+30± RT. 0/S 13'-0"  
Demolish and remove existing approach  
and replace with Type "A" Flare (1 EACH)

|               |                   |            |
|---------------|-------------------|------------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE       |
| DRAWN BY      | DESIGNED BY       | CHECKED BY |
| NOTE BOOK     | QUANTITIES BY     |            |
| 10/1/12       |                   |            |
| N4            |                   |            |

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

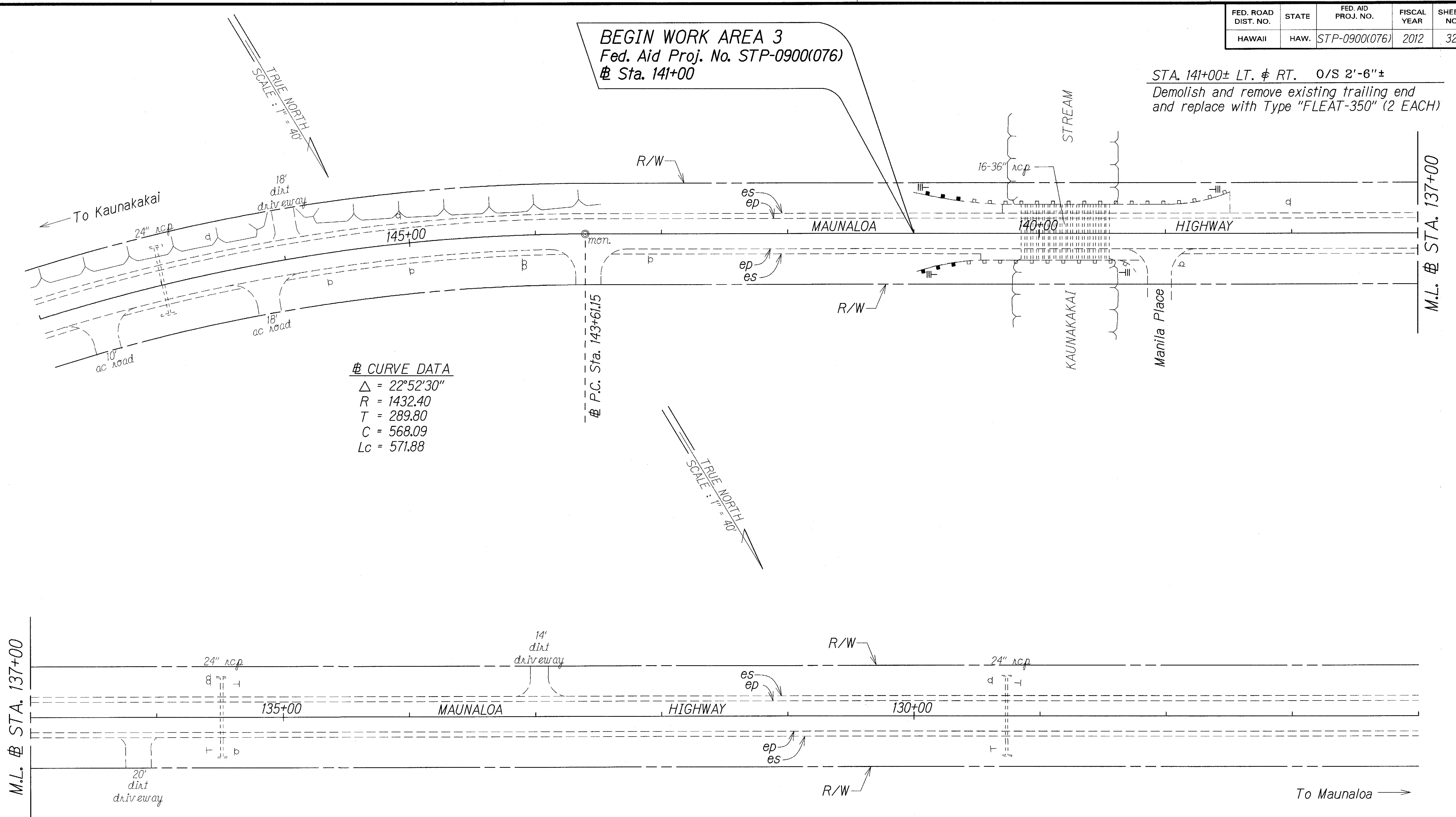
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ROADWAY PLAN  
Guardrail & Shoulder Improvement  
At Various Locations, Molokai  
Federal-Aid Project No. STP-0900(076)  
Scale: 1" = 40'      Date: July, 2011

SHEET No. 10 OF 10 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 32        | 47           |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          | 1/11 |
| QUANTITIES BY | DESIGNED BY       |      |
| CHECKED BY    | NOTED BY          |      |
|               | DATE              |      |

| 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**

GUARDRAIL & SHOULDER IMPROVEMENT

At Various Locations, Molokai

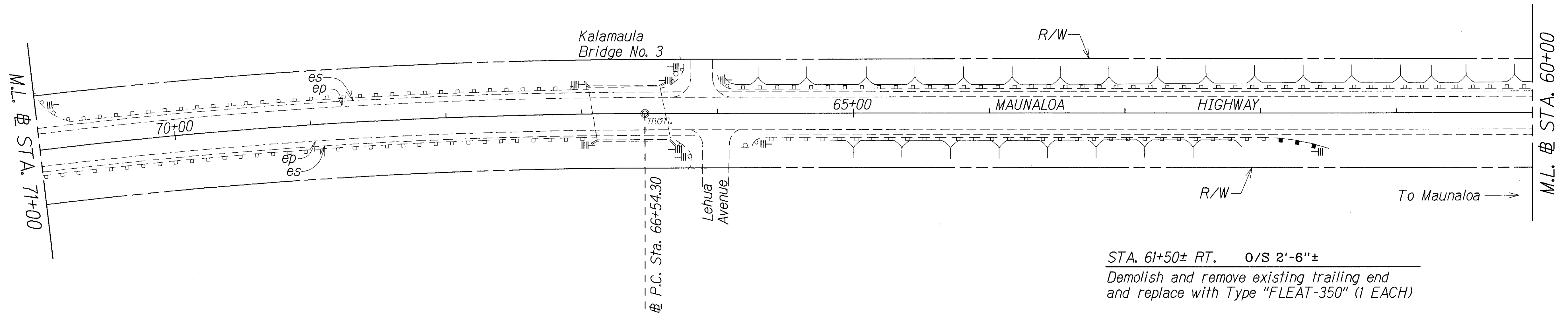
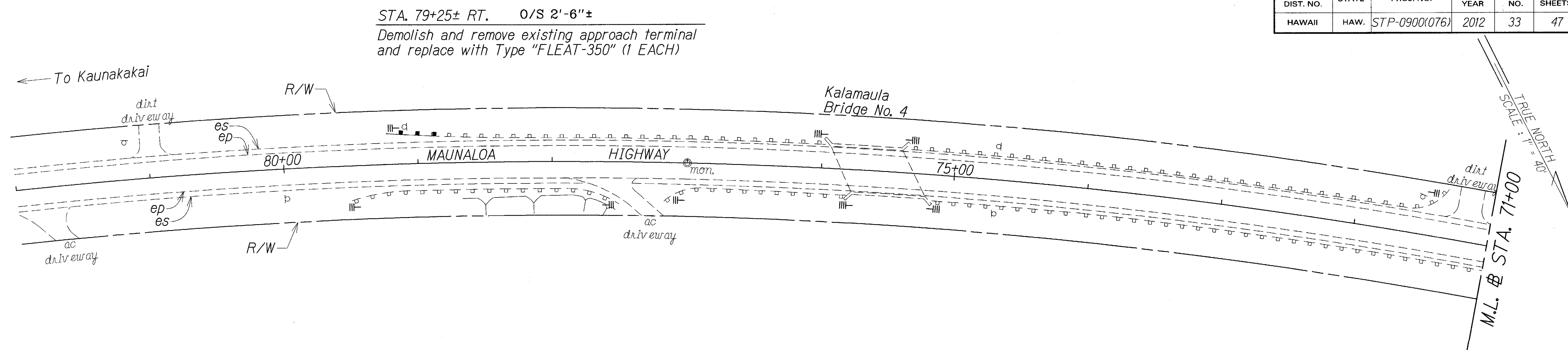
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40' Date: July, 2011

SHEET No. 1 OF 9 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 33        | 47           |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| DRAWN BY      |                   | 7/11 |
| DESIGNED BY   |                   |      |
| 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**

GUARDRAIL & SHOULDER IMPROVEMENT  
At Various Locations, Molokai  
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40' Date: July, 2011

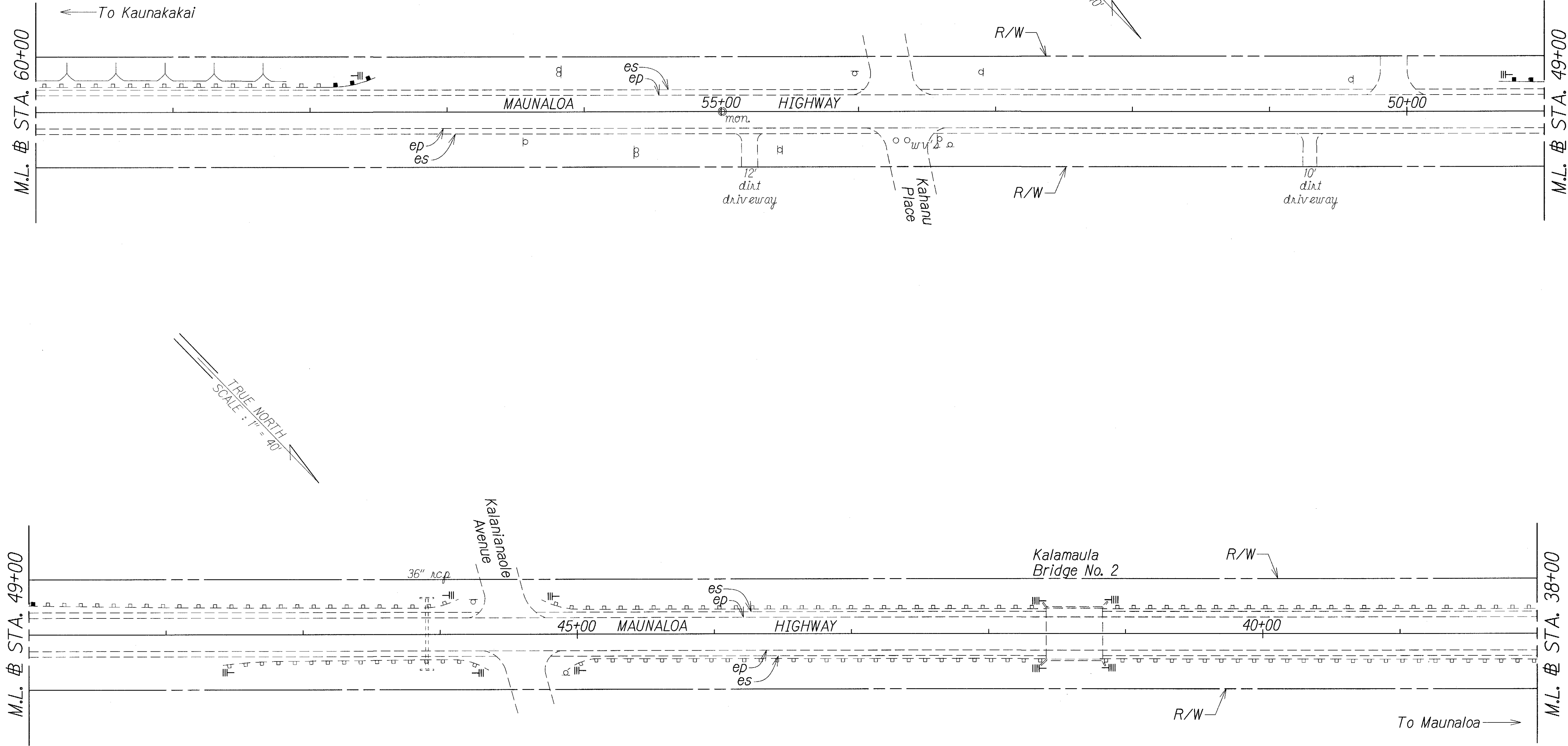
SHEET No. 2 OF 9 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 34        | 47           |

STA. 57+50± LT. O/S 2'-6"±  
Demolish and remove existing approach terminal and replace with Type "FLEAT-350" (1 EACH)

STA. 49+30± LT. O/S 2'-6"±  
Demolish and remove existing trailing end and replace with Type "FLEAT-350" (1 EACH)



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          | 7/11 |
| DESIGNED BY   | DESIGNED BY       |      |
| QUANTITIES BY | QUANTITIES 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

GUARDRAIL & SHOULDER IMPROVEMENT

At Various Locations, Molokai

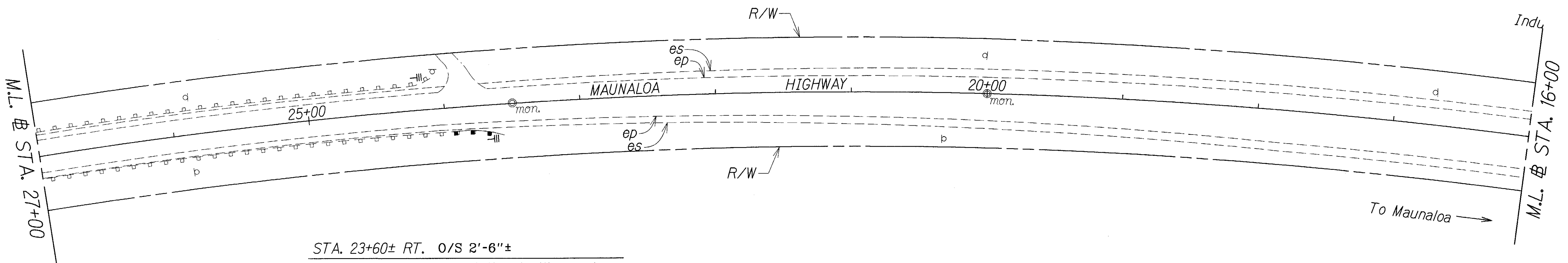
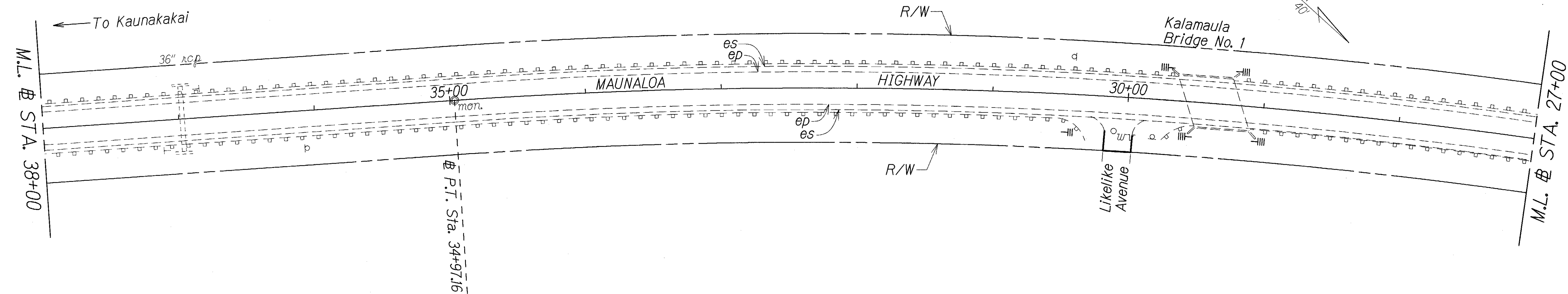
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40'      Date: July, 2011

SHEET No. 3 OF 9 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 35        | 47           |



STA. 23+60± RT. 0/S 2'-6"±  
Demolish and remove existing trailing end  
and replace with Type "FLEAT-350" (1 EACH)

Δ CURVE DATA  
Δ = 45°51'50"  
R = 3819.72  
T = 1616.02  
C = 2976.61  
Lc = 3057.59

| 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**  
**GUARDRAIL & SHOULDER IMPROVEMENT**  
*At Various Locations, Molokai*  
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40'

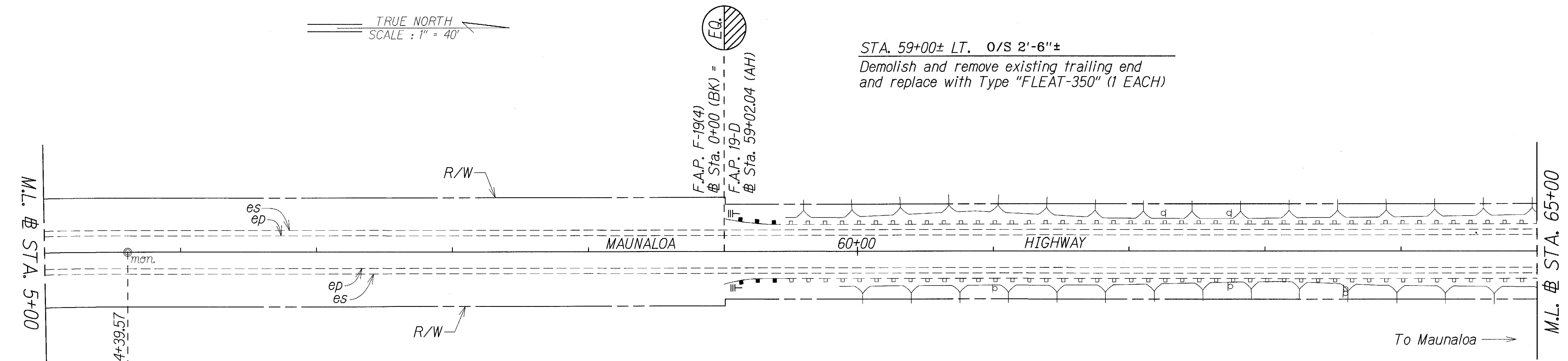
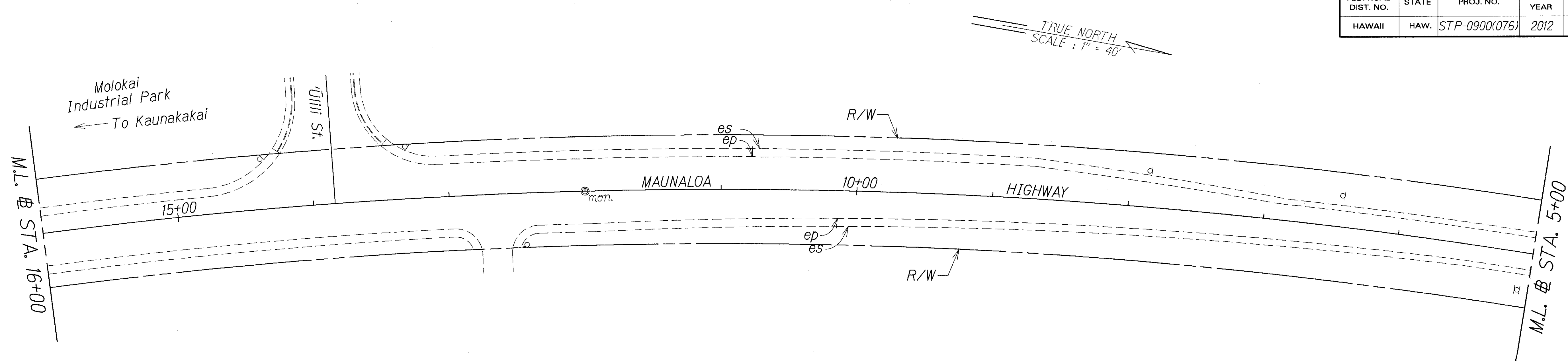
Date: July, 2011

SHEET No. 4 OF 9 SHEETS

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

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 36        | 47           |



F.A.P. F-19(4)  
 # Sta. 0+00 (BK) =  
 F.A.P. 19-D  
 # Sta. 59+02.04 (AH)

STA. 59+00± LT. 0/S 2'-6"±  
 Demolish and remove existing trailing end  
 and replace with Type "FLEAT-350" (1 EACH)

STA. 59+00± RT. 0/S 2'-6"±  
 Demolish and remove existing approach terminal  
 and replace with Type "FLEAT-350" (1 EACH)

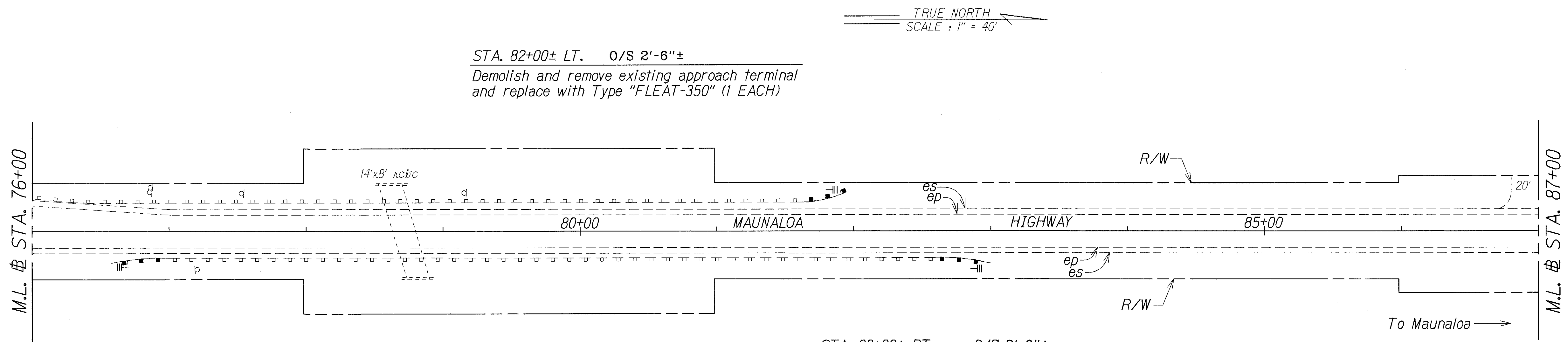
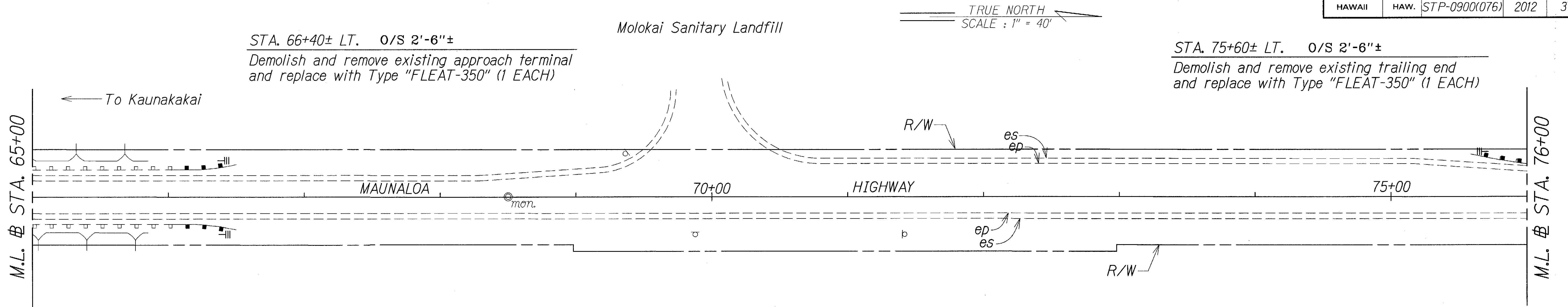
|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          | 1/11 |
|               | DESIGNED BY       |      |
|               | QUANTITIES BY     |      |
|               | CHECKED BY        |      |

| 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**  
 GUARDRAIL & SHOULDER IMPROVEMENT  
 At Various Locations, Molokai  
 Federal-Aid Project No. STP-0900(076)  
 Scale: 1" = 40' Date: July, 2011  
 SHEET No. 5 OF 9 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 37        | 47           |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          | 2/11 |
| 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

GUARDRAIL & SHOULDER IMPROVEMENT

At Various Locations, Molokai

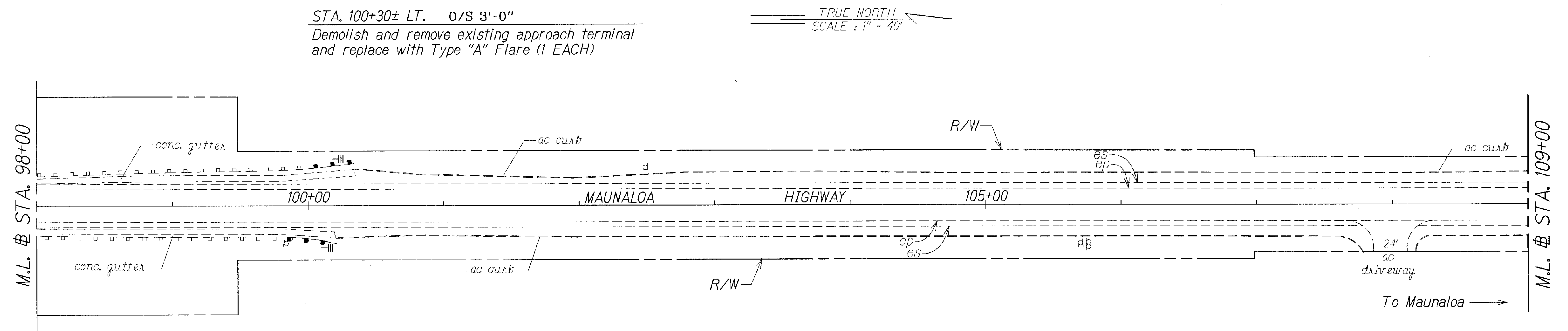
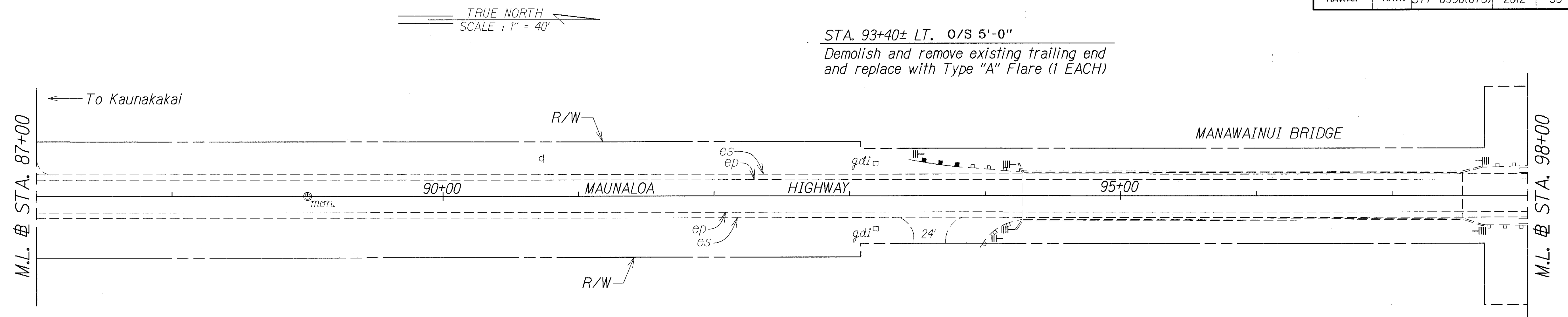
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40'      Date: July, 2011

SHEET No. 6 OF 9 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 38        | 47           |



STA. 100+00± RT. 0/S 3'-0"  
Demolish and remove existing trailing end and replace with Type "A" Flare (1 EACH)

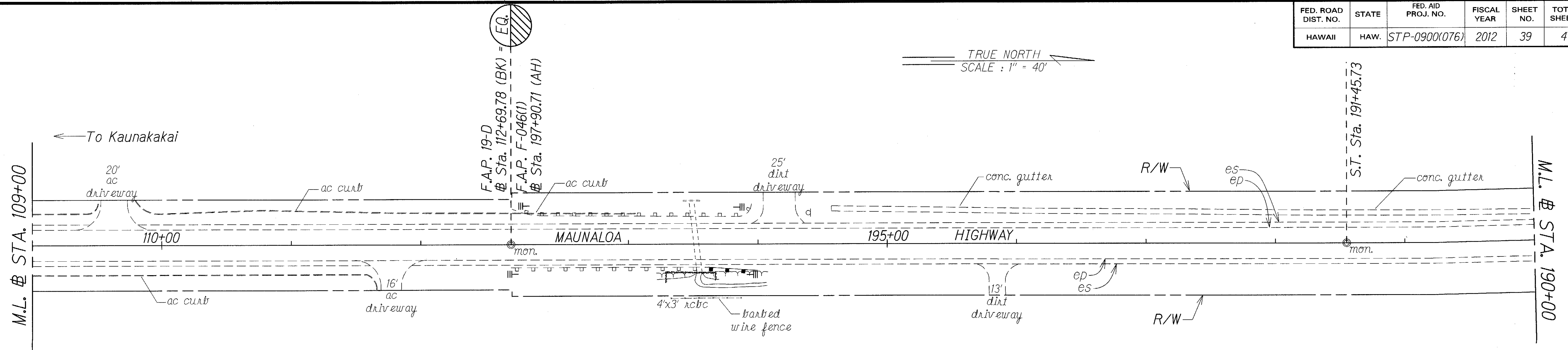
|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| TRACED BY     |                   | 7/11 |
| NOTE BOOK     |                   |      |
| QUANTITIES BY |                   |      |
| CHECKED BY    |                   |      |

| 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<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |                  |
| <b>ROADWAY PLAN</b>                                                  |                  |
| GUARDRAIL & SHOULDER IMPROVEMENT                                     |                  |
| At Various Locations, Molokai                                        |                  |
| Federal-Aid Project No. STP-0900(076)                                |                  |
| Scale: 1" = 40'                                                      | Date: July, 2011 |
| SHEET No. 7 OF 9 SHEETS                                              |                  |

"AS-BUILT"

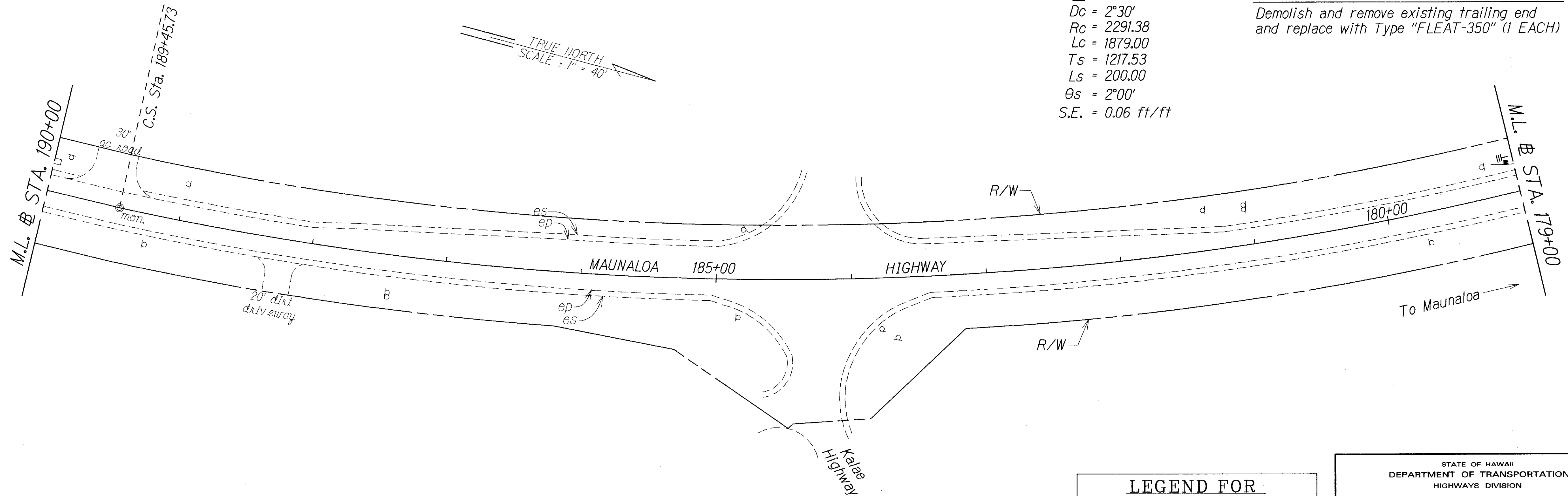
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 39        | 47           |



STA. 196+00± RT. O/S 2'-6"±  
Demolish and remove existing trailing end and replace with Type "FLEAT-350" (1 EACH)

¢ CURVE DATA  
 $\Delta = 51^\circ 58' 30''$   
 $Dc = 2^\circ 30'$   
 $Rc = 2291.38$   
 $Lc = 1879.00$   
 $Ts = 1217.53$   
 $Ls = 200.00$   
 $\theta s = 2^\circ 00'$   
 $S.E. = 0.06 \text{ ft/ft}$

STA. 179+00± LT. O/S 2'-3"  
Demolish and remove existing trailing end and replace with Type "FLEAT-350" (1 EACH)



| 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**

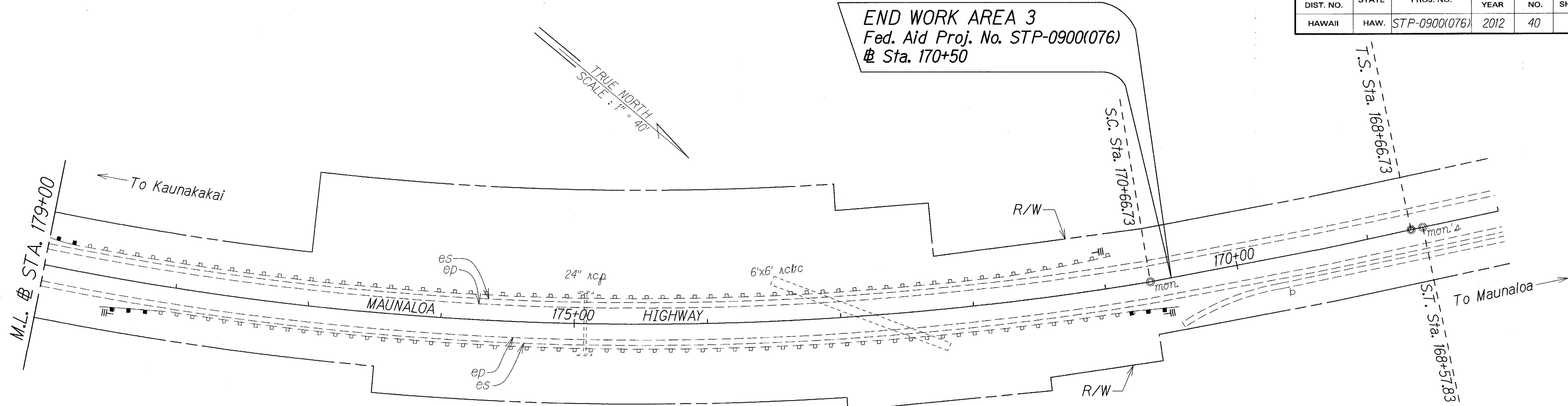
GUARDRAIL & SHOULDER IMPROVEMENT  
At Various Locations, Molokai  
Federal-Aid Project No. STP-0900(076)

Scale: 1" = 40' Date: July, 2011

SHEET No. 8 OF 9 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          | 1/11 |
| TRACED BY         |      |
| NOTE BOOK         |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0900(076)      | 2012        | 40        | 47           |



STA. 178+60± RT. 0/S 2'-6"±  
Demolish and remove existing approach terminal and replace with Type "FLEAT-350" (1 EACH)

STA. 170+50± RT. 0/S 2'-6"±  
Demolish and remove existing trailing end and replace with Type "FLEAT-350" (1 EACH)

|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          | 7/11 |
| QUANTITIES BY | DESIGNED BY       |      |
| CHECKED BY    |                   |      |
|               |                   |      |
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|               |                   |      |
|               |                   |      |
|               |                   |      |
|               |                   |      |

| 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**  
**GUARDRAIL & SHOULDER IMPROVEMENT**  
*At Various Locations, Molokai*  
Federal-Aid Project No. STP-0900(076)  
Scale: 1" = 40' Date: July, 2011  
SHEET No. 9 OF 9 SHEETS

"AS-BUILT"