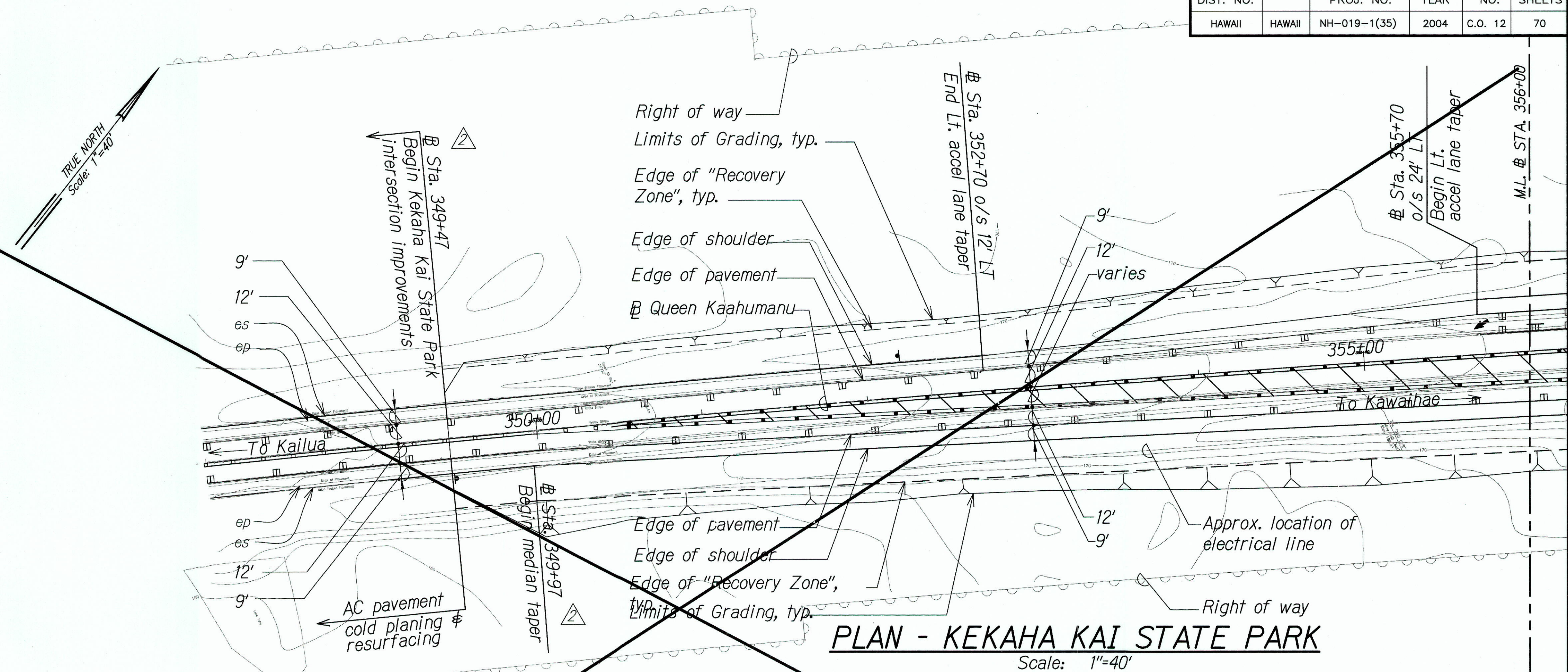


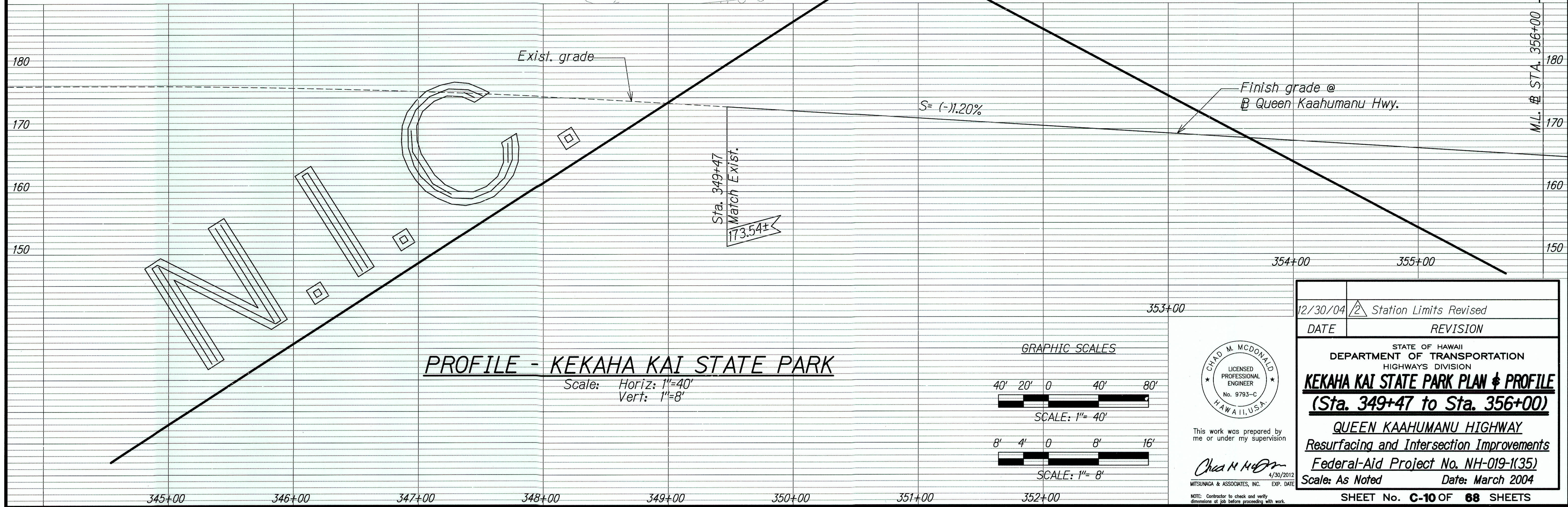
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	NH-019-1(35)	2004	C.O. 12	70

CURVE DATA	
	Baseline
Δ	24°34'30"
$\Delta/2$	12°17'15"
R	21,000'
T	4,573.94'
C	8,938.32'
Lc	9,007.21'

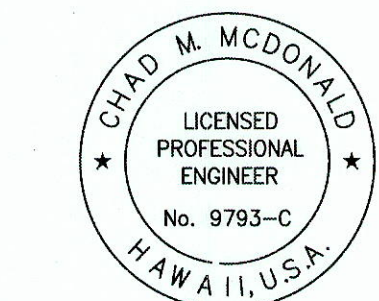
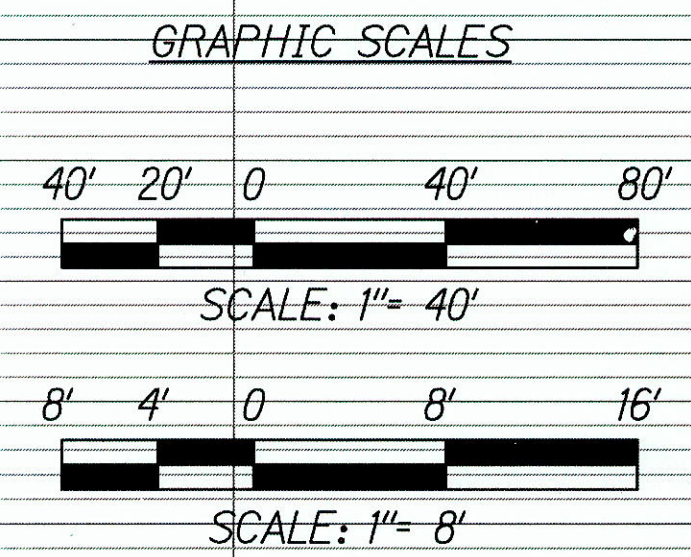
LEGEND FOR AS-BUILT POSTING
 ~~~~~ Squiggly line for as-built deletion  
 = Double line for as-built deletion  
 Roadway Text for as-built posting



**PLAN - KEKAHA KAI STATE PARK**  
 Scale: 1"=40'



**PROFILE - KEKAHA KAI STATE PARK**  
 Scale: Horiz: 1"=40', Vert: 1"=8'



This work was prepared by me or under my supervision  
 Chad M. McDonald  
 4/30/2012  
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE

|                                                                                                                                                                                                                                                                                                                                         |   |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------|
| 12/30/04                                                                                                                                                                                                                                                                                                                                | 2 | Station Limits Revised |
| DATE                                                                                                                                                                                                                                                                                                                                    |   | REVISION               |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>KEKAHA KAI STATE PARK PLAN &amp; PROFILE</b><br><b>(Sta. 349+47 to Sta. 356+00)</b><br><b>QUEEN KAAHUMANU HIGHWAY</b><br><b>Resurfacing and Intersection Improvements</b><br><b>Federal-Aid Project No. NH-019-1(35)</b><br>Scale: As Noted Date: March 2004 |   |                        |
| SHEET No. C-10 OF 68 SHEETS                                                                                                                                                                                                                                                                                                             |   |                        |

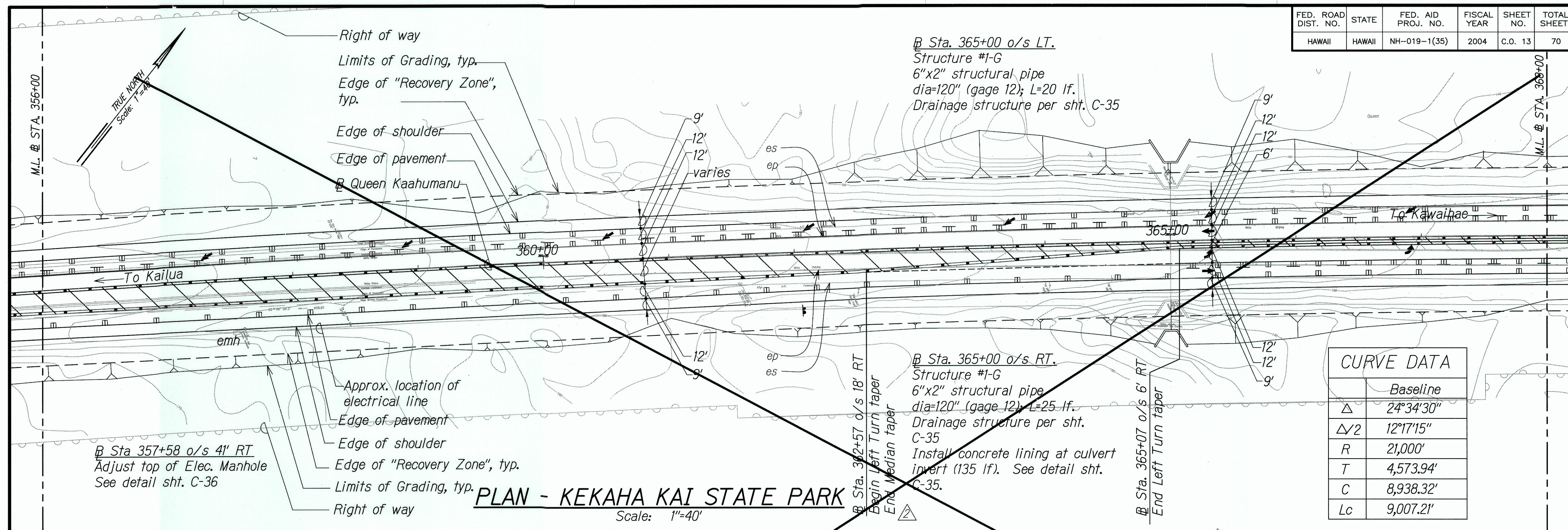
|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| PLAN              | 2/20 |
| DESIGNED BY       | 0/04 |
| QUANTITIES BY     | 2/04 |
| CHECKED BY        | 2/04 |
| ORIGINAL PLAN     | No.  |

"AS-BUILT"

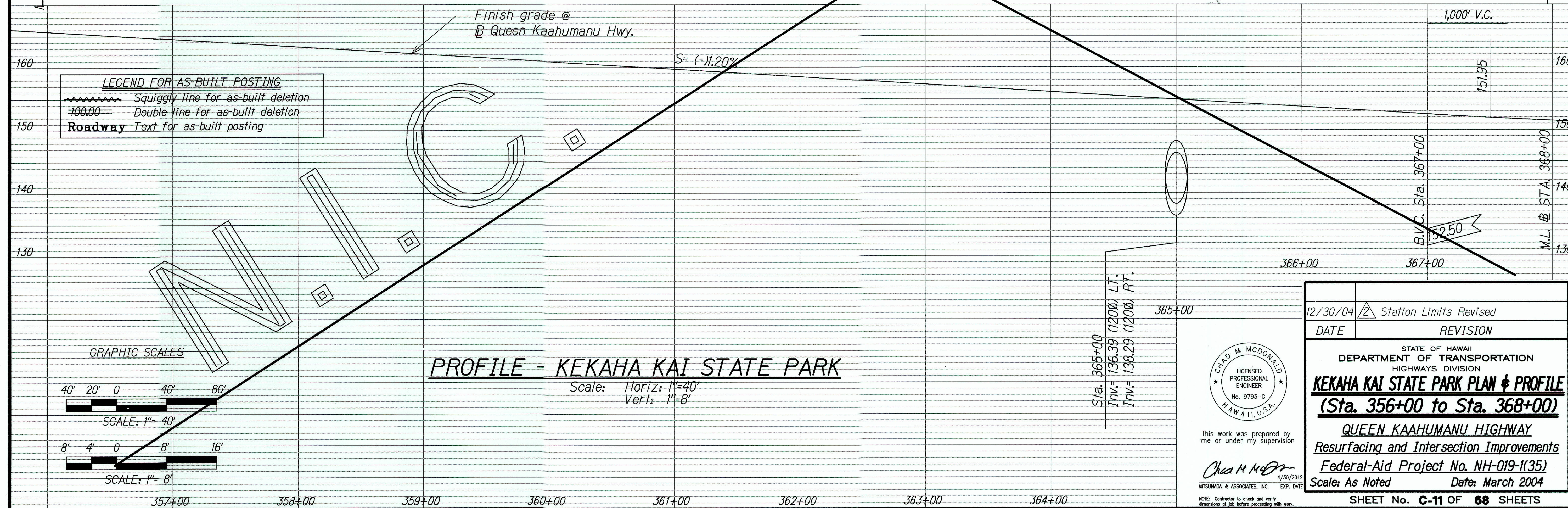
C.O. 12



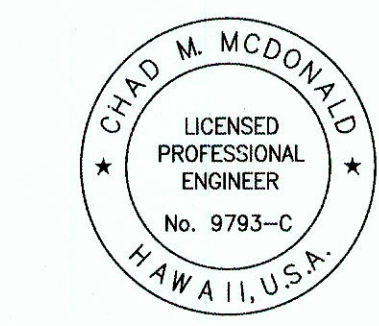
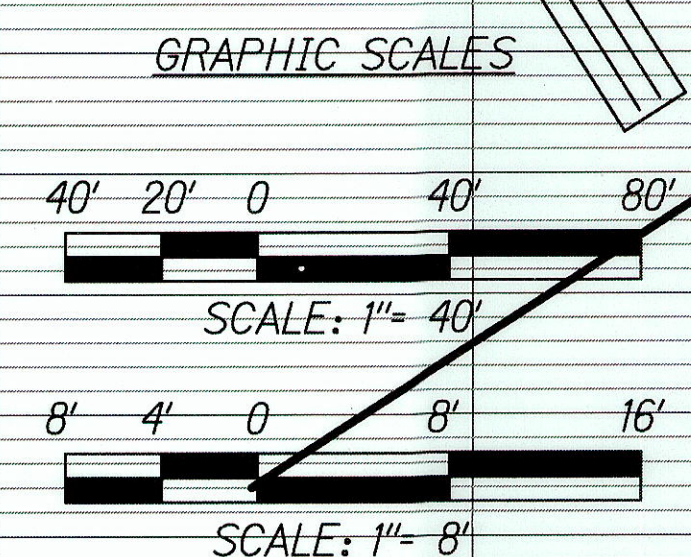
| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 13   | 70           |



| CURVE DATA |           |
|------------|-----------|
|            | Baseline  |
| $\Delta$   | 24°34'30" |
| $\Delta/2$ | 12°17'15" |
| R          | 21,000'   |
| T          | 4,573.94' |
| C          | 8,938.32' |
| Lc         | 9,007.21' |



**LEGEND FOR AS-BUILT POSTING**  
 Squiggly line for as-built deletion  
 Double line for as-built deletion  
 Roadway Text for as-built posting



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 Date: 4/30/2012  
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE

|                                                                                                                                                                                                                                                                                                             |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 12/30/04                                                                                                                                                                                                                                                                                                    | Station Limits Revised |
| DATE                                                                                                                                                                                                                                                                                                        | REVISION               |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>KEKAHA KAI STATE PARK PLAN &amp; PROFILE</b><br>(Sta. 356+00 to Sta. 368+00)<br>QUEEN KAAHUMANU HIGHWAY<br>Resurfacing and Intersection Improvements<br>Federal-Aid Project No. NH-019-1(35)<br>Scale: As Noted Date: March 2004 |                        |
| SHEET No. C-11 OF 68 SHEETS                                                                                                                                                                                                                                                                                 |                        |

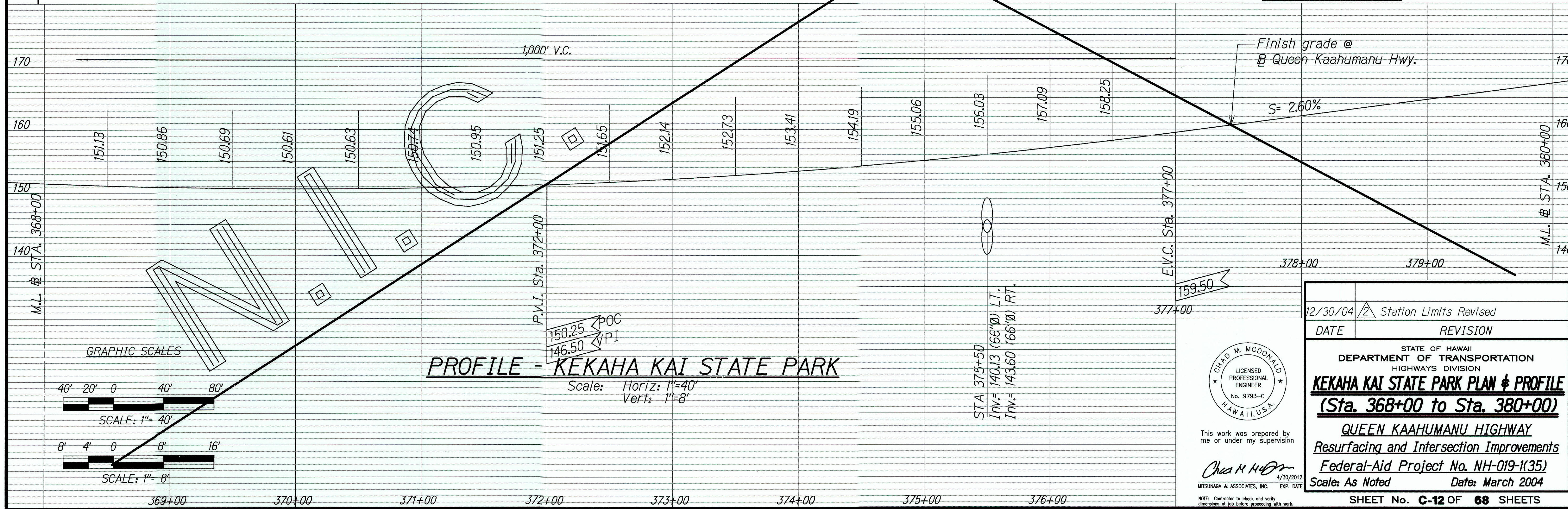
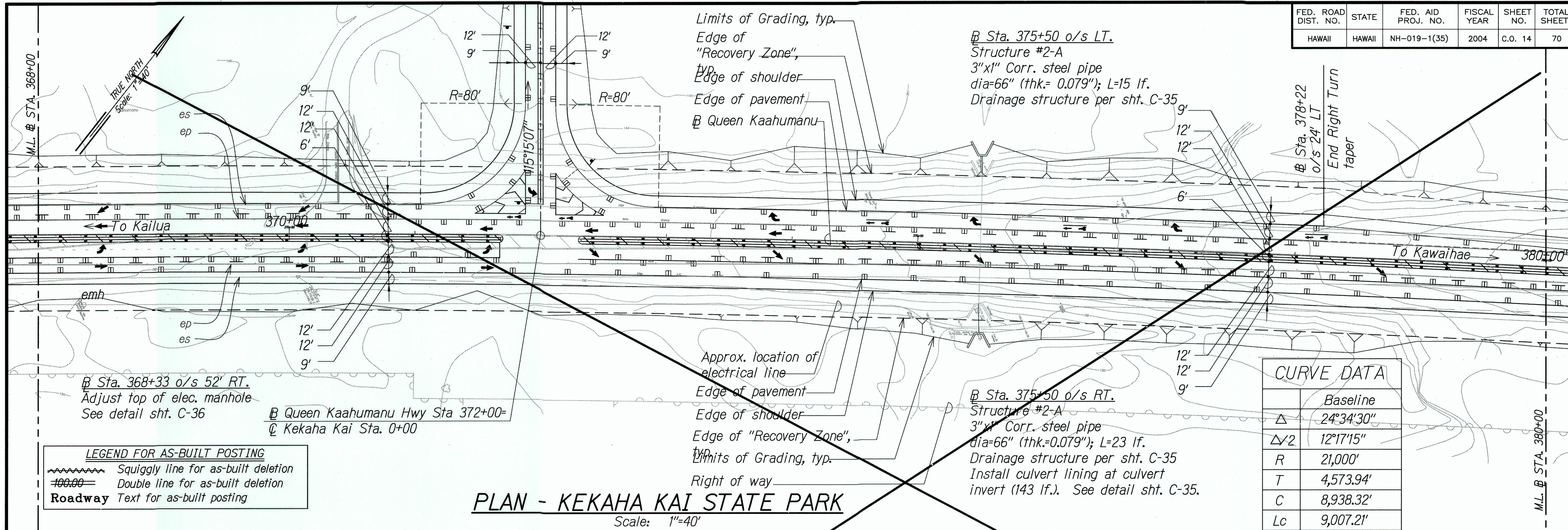
"AS-BUILT"

C.O. 13

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DESIGNED BY       | 3/04 |
| QUANTITIES BY     | 3/04 |
| CHECKED BY        | 3/04 |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |



| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 14   | 70           |



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DESIGNED BY       | 0/00 |
| QUANTITIES BY     | 0/00 |
| CHECKED BY        | 0/00 |



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 Chad M. McDonald  
 4/30/2012  
 MITSUNAGA & ASSOCIATES, INC.  
 NOTE: Contractor to check and verify dimensions of job before proceeding with work.

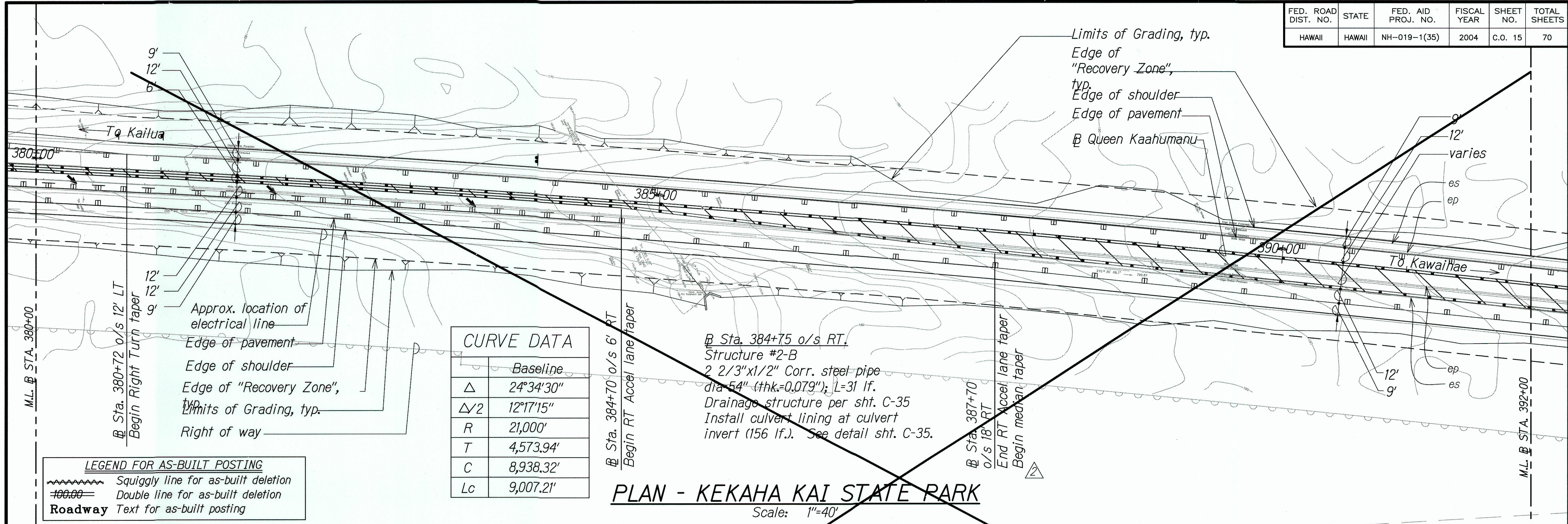
|                                                                                                                                                                                                                                                                                                             |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 12/30/04                                                                                                                                                                                                                                                                                                    | Station Limits Revised |
| DATE                                                                                                                                                                                                                                                                                                        | REVISION               |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>KEKAHA KAI STATE PARK PLAN &amp; PROFILE</b><br>(Sta. 368+00 to Sta. 380+00)<br>QUEEN KAAHUMANU HIGHWAY<br>Resurfacing and Intersection Improvements<br>Federal-Aid Project No. NH-019-1(35)<br>Scale: As Noted Date: March 2004 |                        |
| SHEET No. C-12 OF 68 SHEETS                                                                                                                                                                                                                                                                                 |                        |

"AS-BUILT"

C.O. 14



| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 15   | 70           |



| CURVE DATA |           |
|------------|-----------|
|            | Baseline  |
| Δ          | 24°34'30" |
| Δ/2        | 12°17'15" |
| R          | 21,000'   |
| T          | 4,573.94' |
| C          | 8,938.32' |
| Lc         | 9,007.21' |

**LEGEND FOR AS-BUILT POSTING**

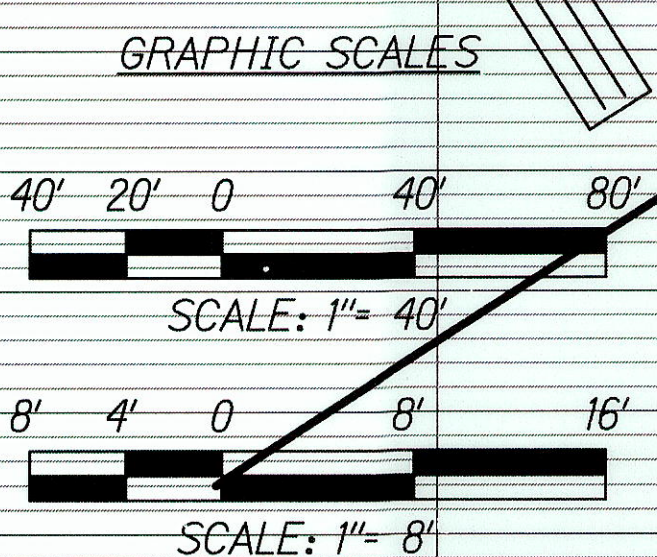
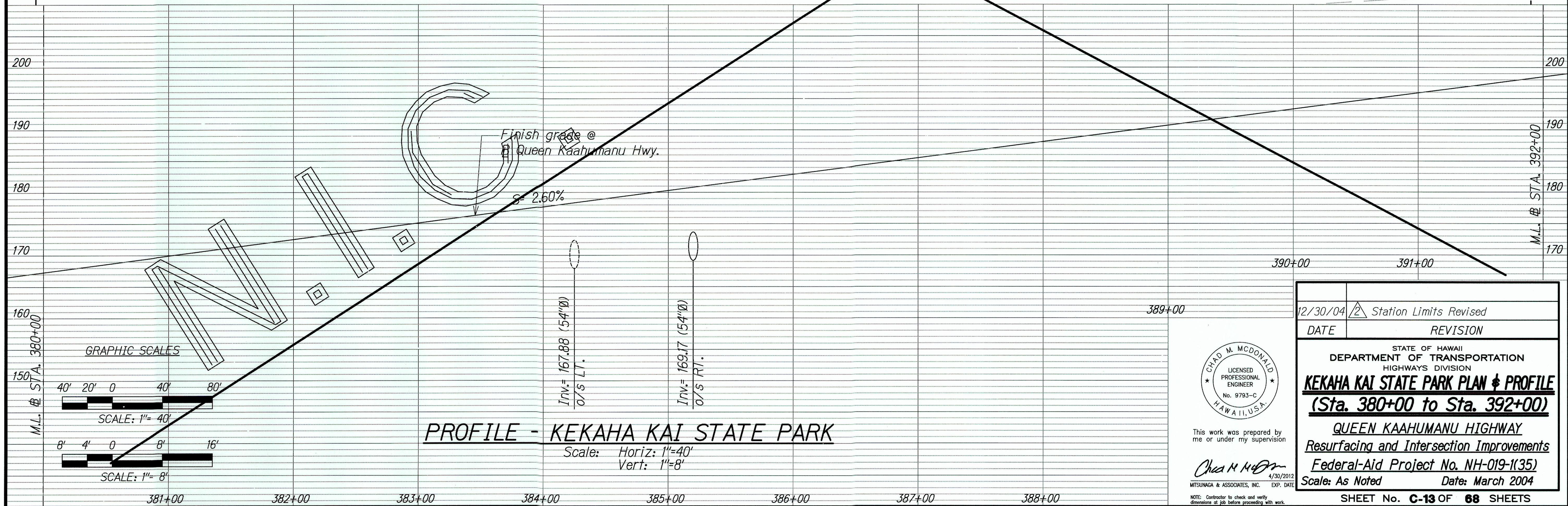
~~~~~ Squiggly line for as-built deletion

== Double line for as-built deletion

Roadway Text for as-built posting

PLAN - KEKAHA KAI STATE PARK

Scale: 1"=40'



PROFILE - KEKAHA KAI STATE PARK

Scale: Horiz: 1"=40'
Vert: 1"=8'

| | |
|-------------------|---------|
| SURVEY PLOTTED BY | DATE |
| DESIGNED BY | 3/30/04 |
| QUANTITIES BY | |
| CHECKED BY | |



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Chad M. McDonald

4/30/2012

MITSUNAGA & ASSOCIATES, INC. EXP. DATE

NOTE: Contractor to check and verify dimensions at job before proceeding with work.

| | |
|----------|------------------------|
| 12/30/04 | Station Limits Revised |
| DATE | REVISION |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KEKAHA KAI STATE PARK PLAN & PROFILE
(Sta. 380+00 to Sta. 392+00)

QUEEN KAAHUMANU HIGHWAY
Resurfacing and Intersection Improvements
Federal-Aid Project No. NH-019-1(35)
Scale: As Noted Date: March 2004

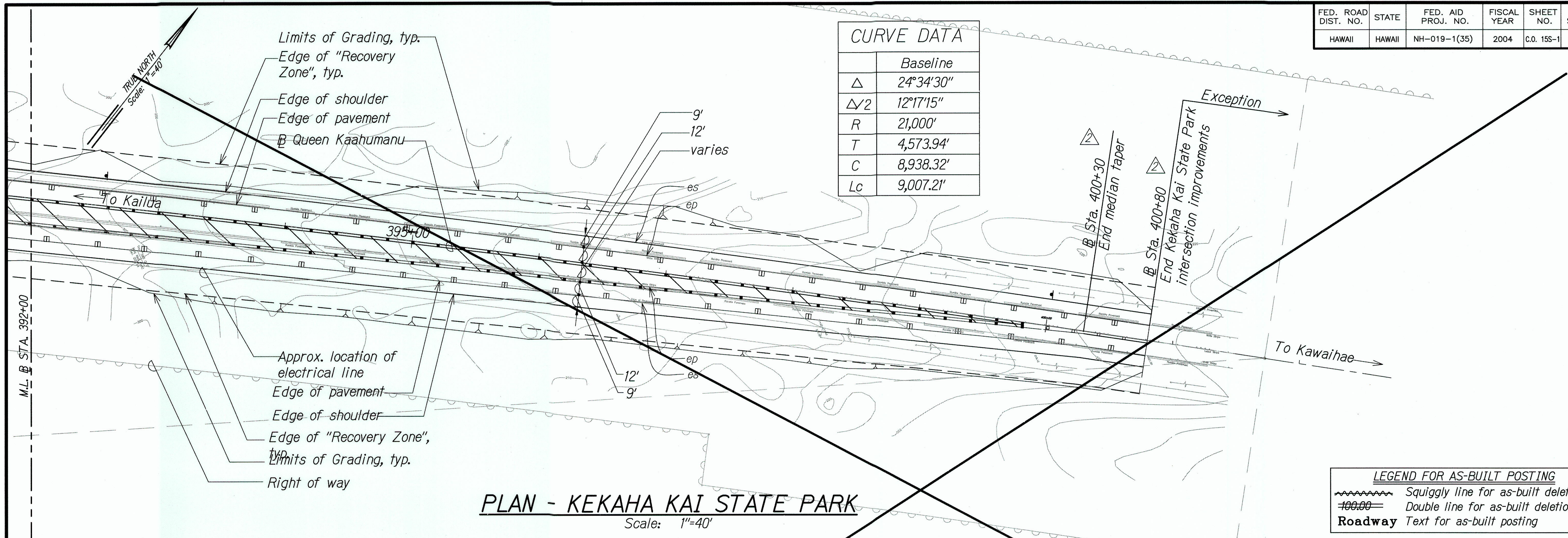
SHEET No. C-13 OF 68 SHEETS

"AS-BUILT"

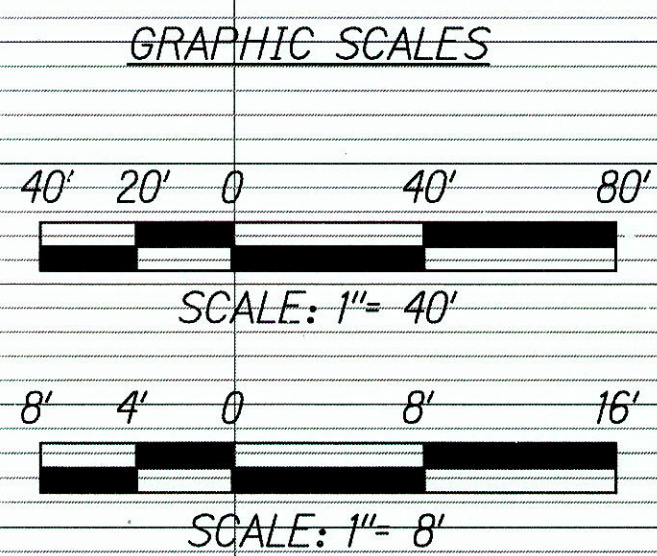
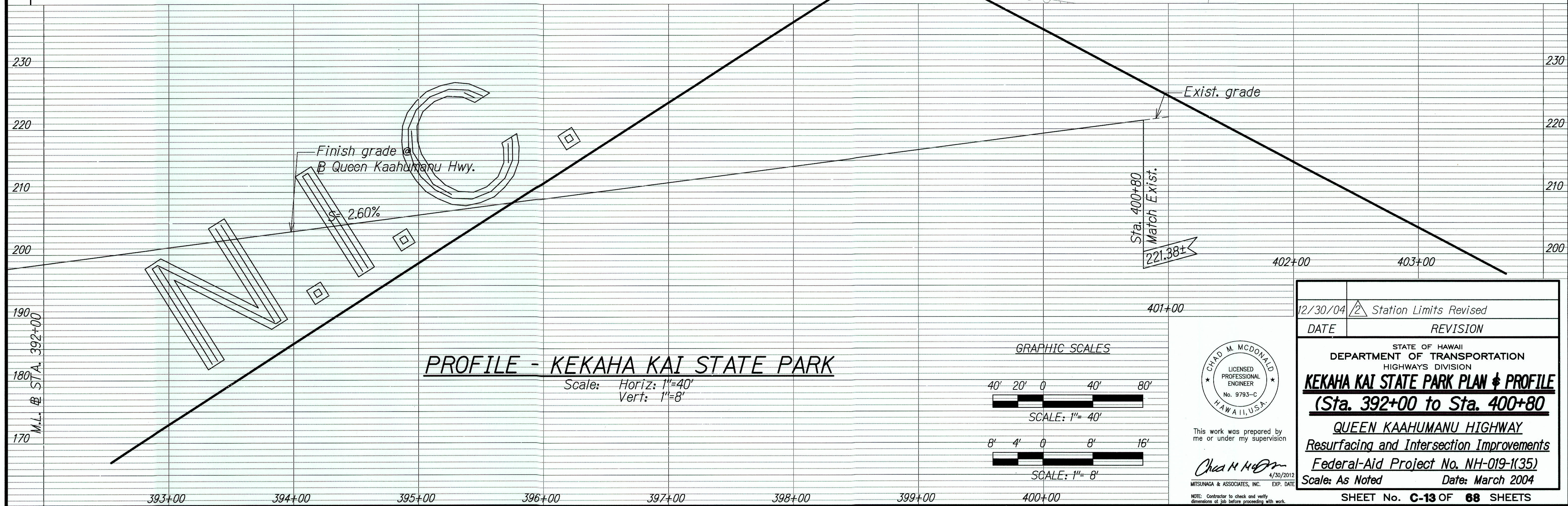
C.O. 15

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|------------|--------------|
| HAWAII | HAWAII | NH-019-1(35) | 2004 | C.O. 15S-1 | 70 |

| CURVE DATA | |
|------------|-----------|
| | Baseline |
| Δ | 24°34'30" |
| $\Delta/2$ | 12°17'15" |
| R | 21,000' |
| T | 4,573.94' |
| C | 8,938.32' |
| Lc | 9,007.21' |



LEGEND FOR AS-BUILT POSTING
 ~~~~~ Squiggly line for as-built deletion  
 =~~~ Double line for as-built deletion  
 Roadway Text for as-built posting



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 Chad M. McDonald  
 MITSUNAGA & ASSOCIATES, INC. 4/30/2012  
 EXP. DATE

|          |          |                        |
|----------|----------|------------------------|
| 12/30/04 | 2        | Station Limits Revised |
| DATE     | REVISION |                        |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**KEKAHA KAI STATE PARK PLAN & PROFILE**  
**(Sta. 392+00 to Sta. 400+80)**  
**QUEEN KAAHUMANU HIGHWAY**  
**Resurfacing and Intersection Improvements**  
**Federal-Aid Project No. NH-019-1(35)**  
 Scale: As Noted Date: March 2004

SHEET No. **C-13** OF **68** SHEETS

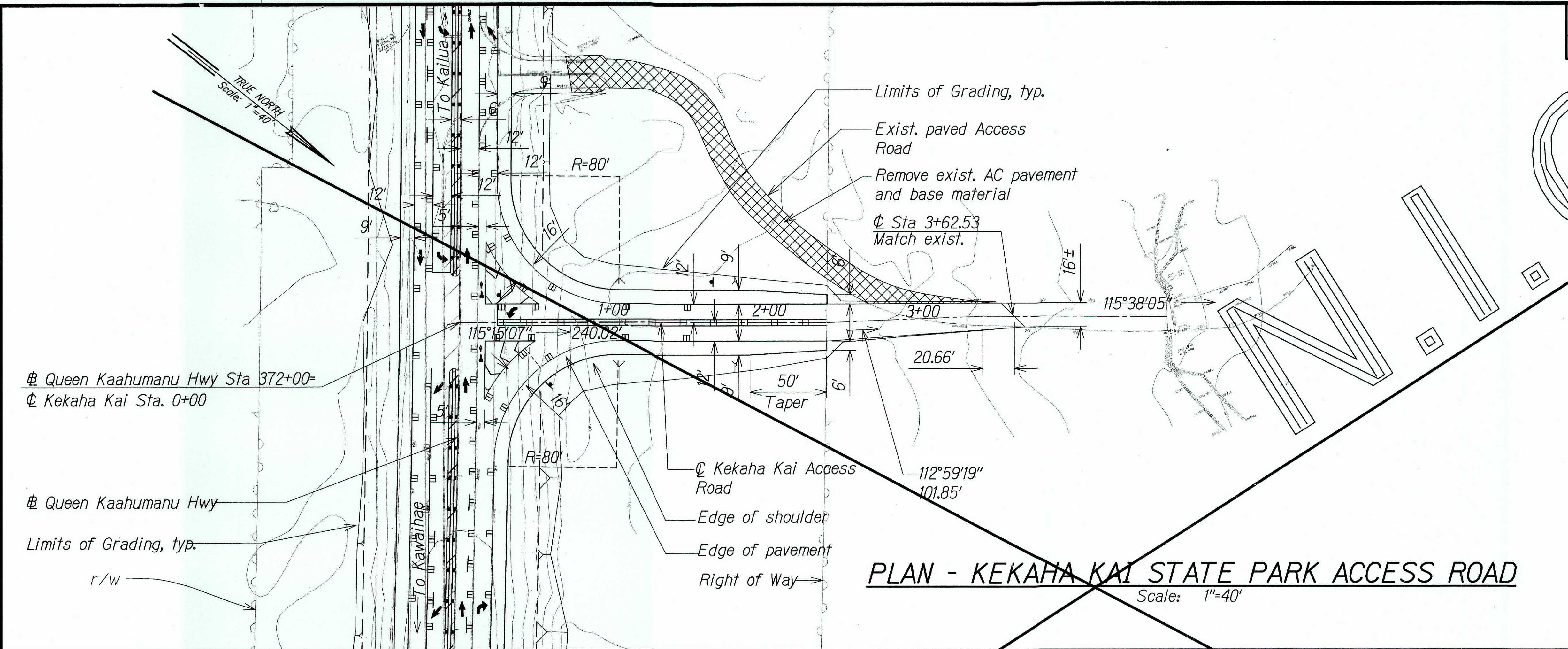
|                   |       |
|-------------------|-------|
| SURVEY PLOTTED BY | DATE  |
| PLAN              | 12/04 |
| DESIGNED BY       |       |
| QUANTITIES BY     |       |
| CHECKED BY        |       |

"AS-BUILT"

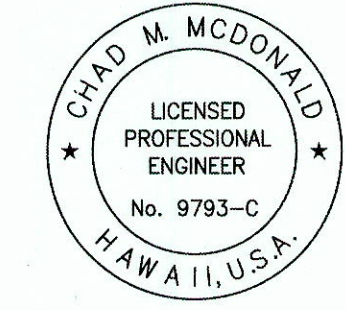
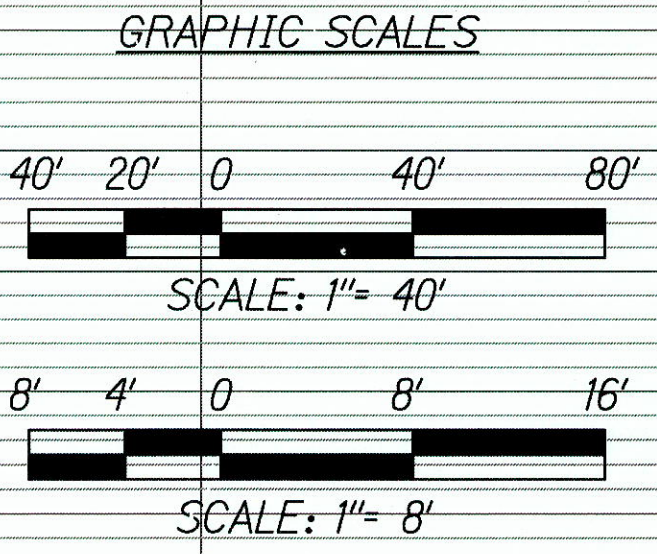
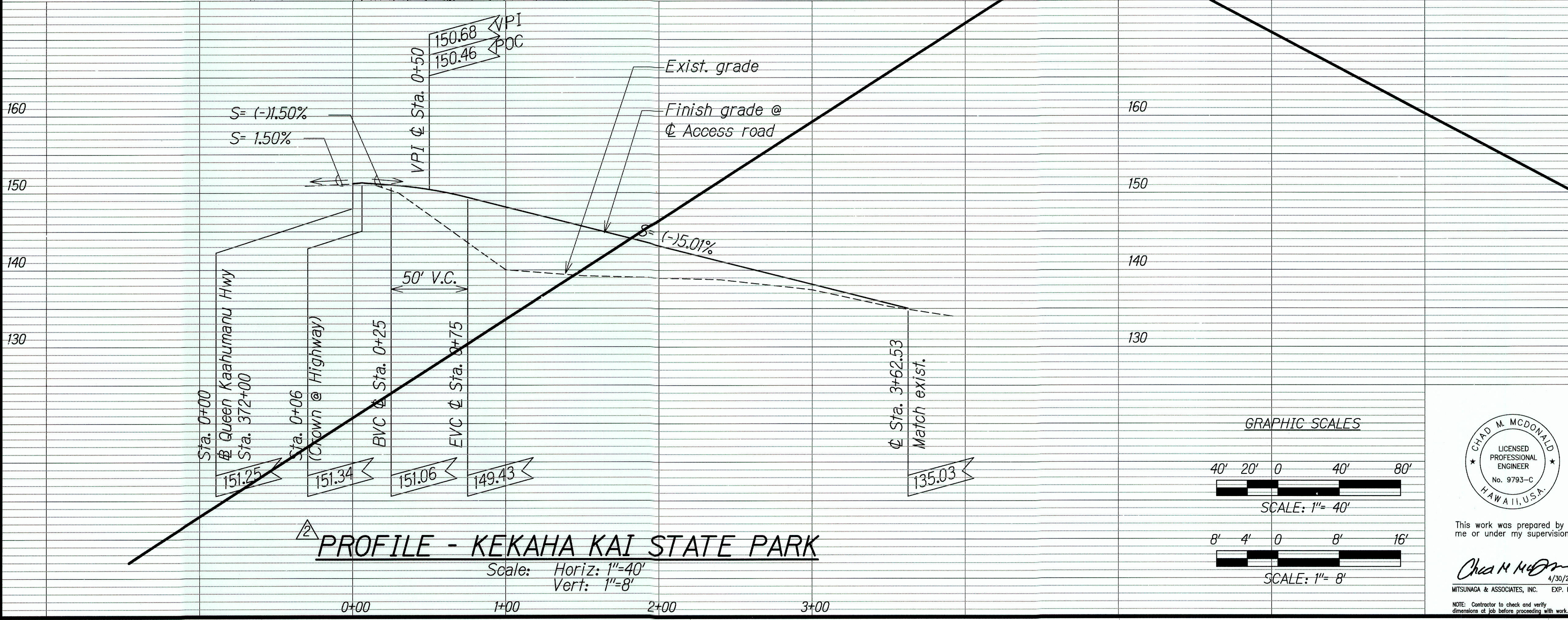
C.O. 15S-1



| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | 16        | 70           |



| LEGEND FOR AS-BUILT POSTING |                                     |
|-----------------------------|-------------------------------------|
|                             | Squiggly line for as-built deletion |
|                             | Double line for as-built deletion   |
| <b>Roadway</b>              | Text for as-built posting           |



This work was prepared by me or under my supervision

Chad M. McDonald  
4/30/2012  
MITSUNAGA & ASSOCIATES, INC. EXP. DATE

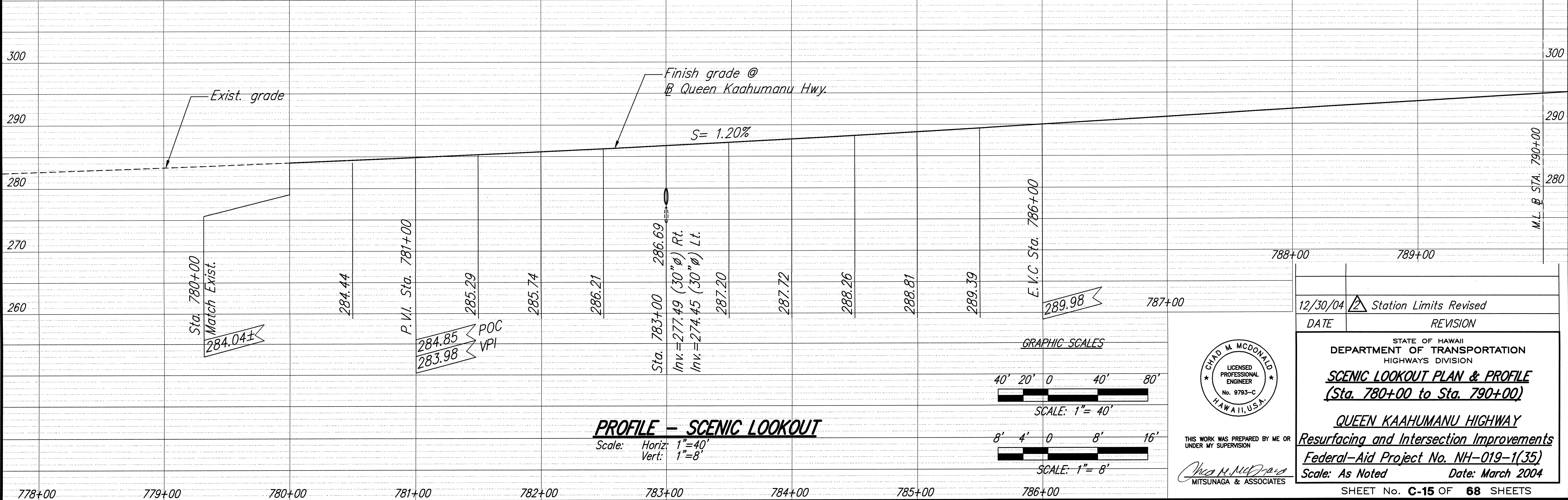
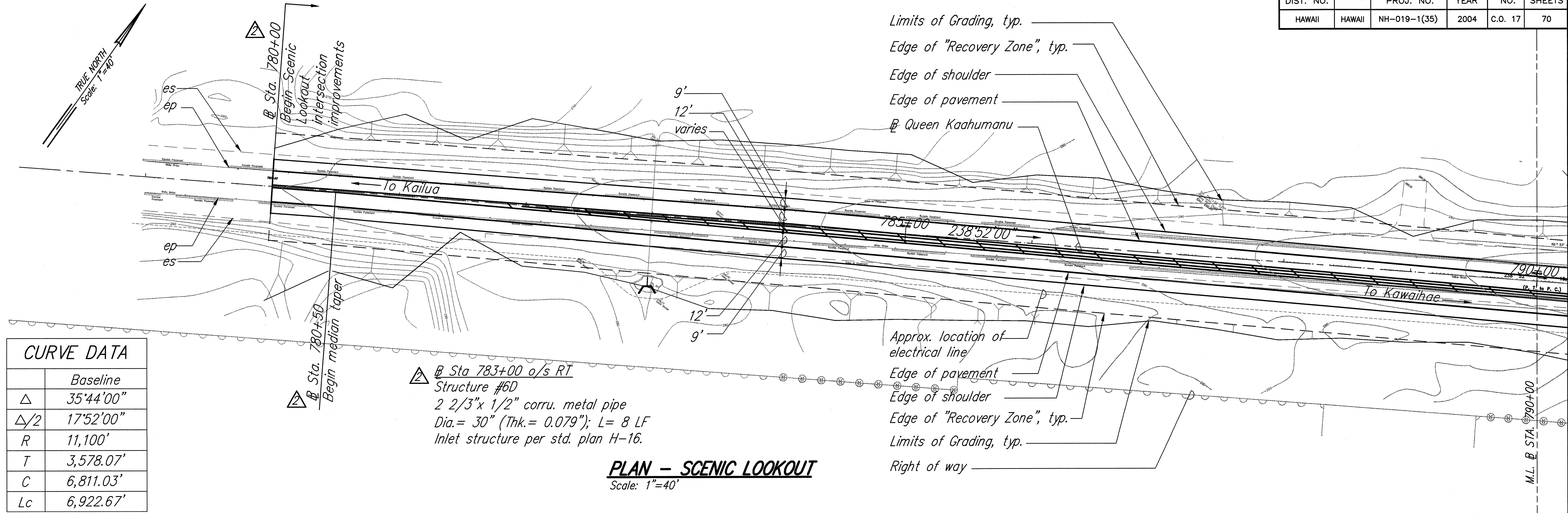
|                                                                      |                  |
|----------------------------------------------------------------------|------------------|
| 12/30/04                                                             | Profile Revise   |
| DATE                                                                 | REVISION         |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |                  |
| <b>KEKAHA KAI STATE PARK ACCESS ROAD</b>                             |                  |
| <b>PLAN &amp; PROFILE</b>                                            |                  |
| QUEEN KAAHUMANU HIGHWAY                                              |                  |
| Resurfacing and Intersection Improvements                            |                  |
| Federal-Aid Project No. NH-019-1(35)                                 |                  |
| Scale: As Noted                                                      | Date: March 2004 |
| SHEET No. C-14 OF 68 SHEETS                                          |                  |

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| PLAN              | 3/04 |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL          |      |
| NOTE BOOK         |      |
| No.               |      |

"AS-BUILT"



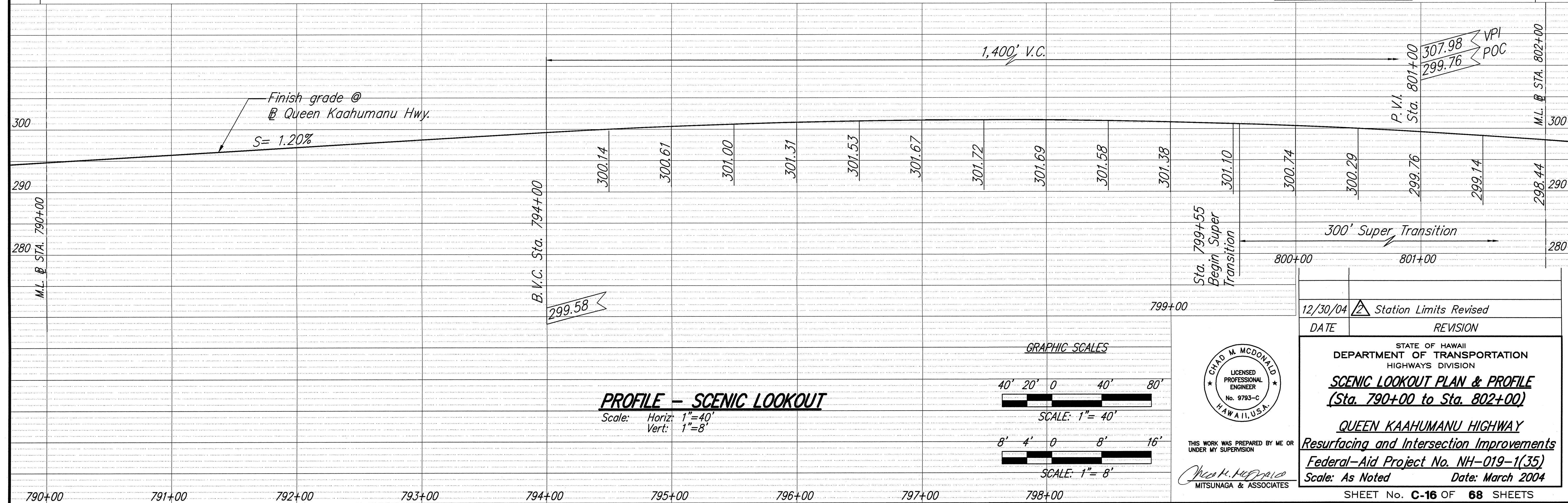
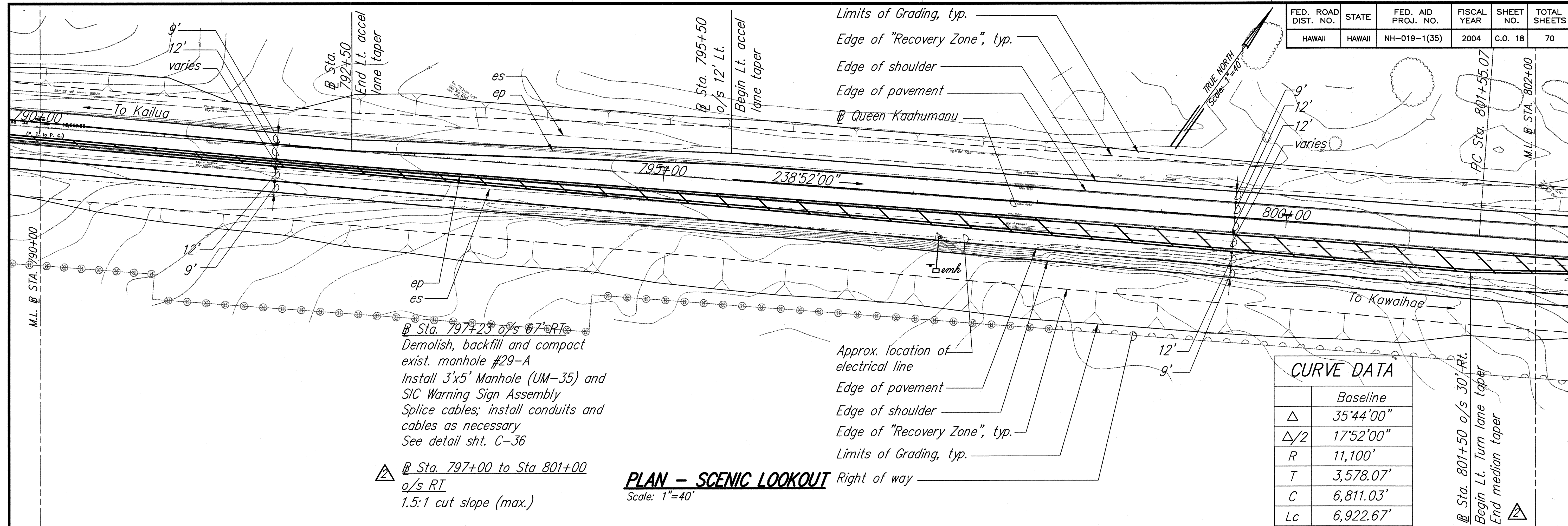
| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 17   | 70           |



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| PLAN              | 3/04 |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| NOTE BOOK         |      |
| No.               |      |



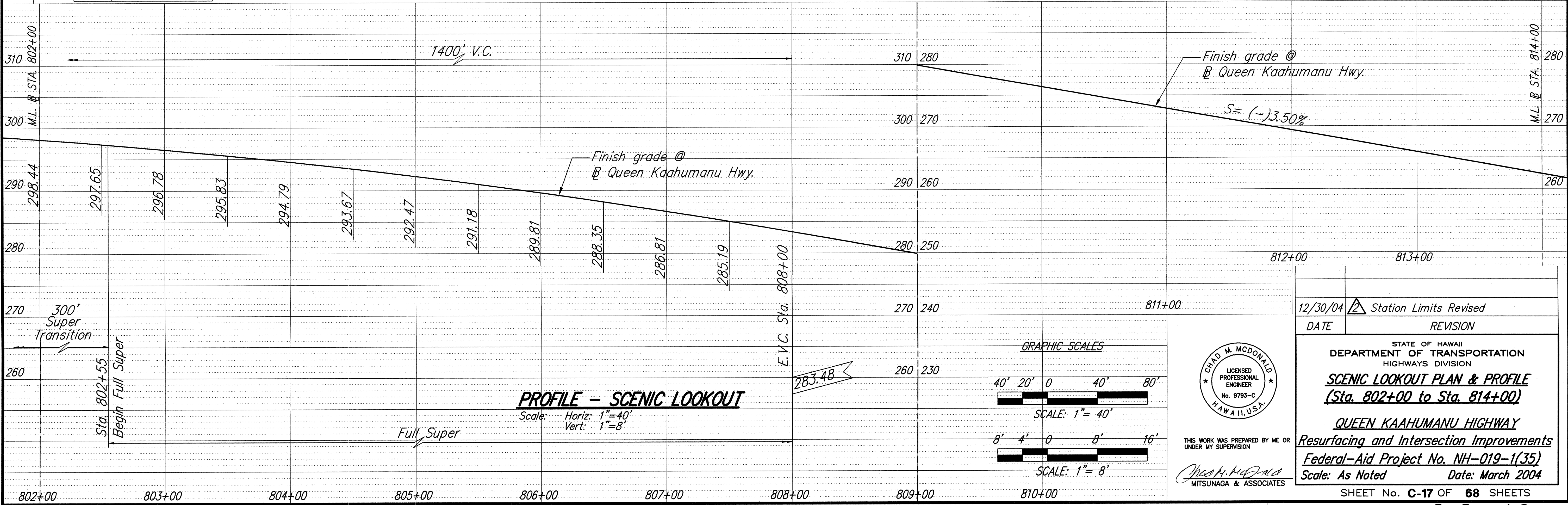
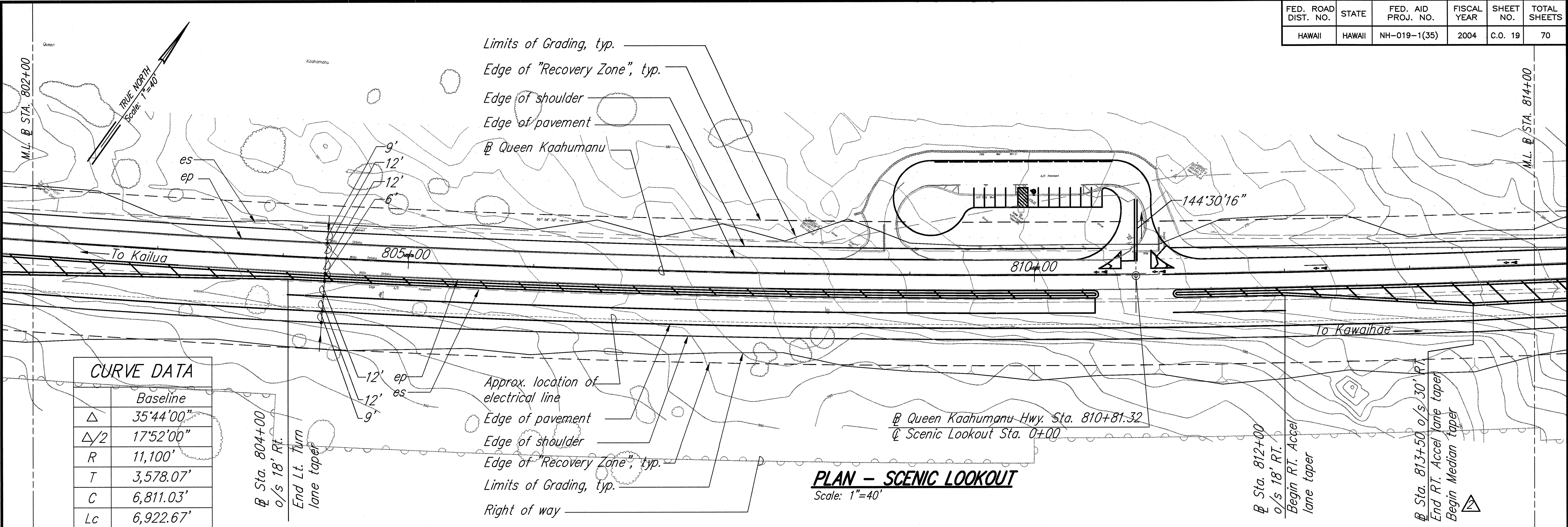
| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 18   | 70           |



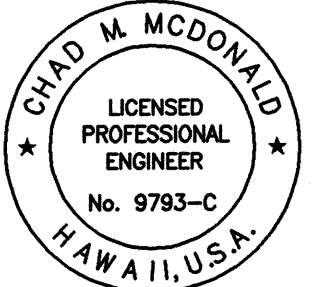
|               |             |
|---------------|-------------|
| ORIGINAL PLAN | DATE        |
| DRAWN BY      | G. IN       |
| TRACED BY     | C. McDONALD |
| CHECKED BY    | C. McDONALD |
| NOTED BY      | E. MA       |
| CHECKED BY    | J. MA       |



| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 19   | 70           |



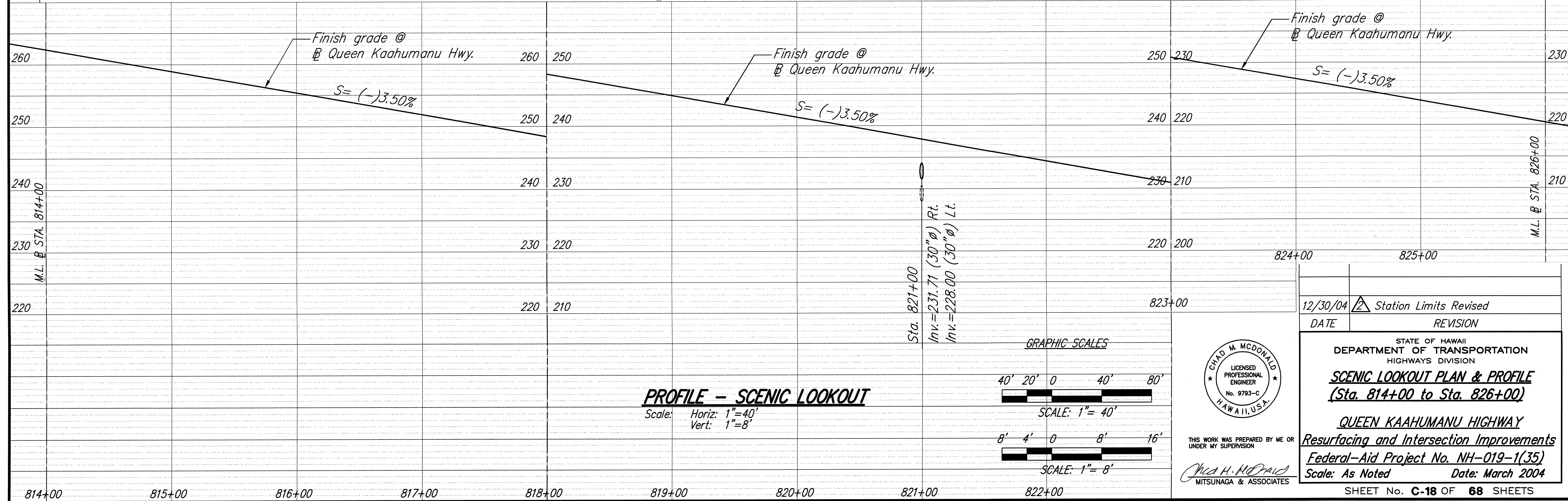
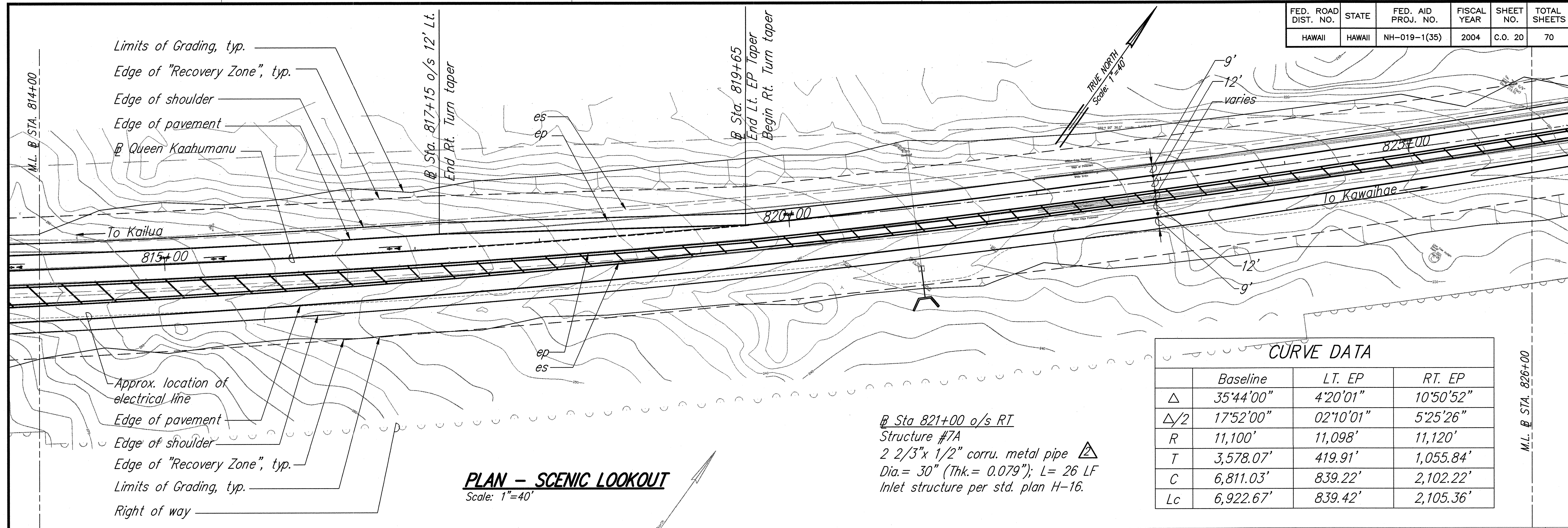
| DATE          | 3/04        |
|---------------|-------------|
| DESIGNED BY   | C. McDONALD |
| CHECKED BY    | C. McDONALD |
| NOTED BY      | C. McDONALD |
| QUANTITIES BY | C. McDONALD |
| NO.           |             |



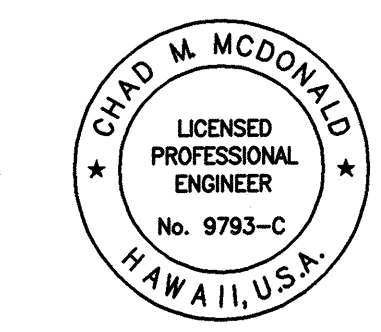
|                                                                                                                                                                                                                                                                                                                                         |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 12/30/04                                                                                                                                                                                                                                                                                                                                | Station Limits Revised |
| DATE                                                                                                                                                                                                                                                                                                                                    | REVISION               |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>SCENIC LOOKOUT PLAN &amp; PROFILE</b><br><b>(Sta. 802+00 to Sta. 814+00)</b><br><b>QUEEN KAAHUMANU HIGHWAY</b><br><b>Resurfacing and Intersection Improvements</b><br><b>Federal-Aid Project No. NH-019-1(35)</b><br><b>Scale: As Noted Date: March 2004</b> |                        |
| SHEET No. C-17 OF 68 SHEETS                                                                                                                                                                                                                                                                                                             |                        |



| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 20   | 70           |



|                   |      |      |
|-------------------|------|------|
| SURVEY PLANNED BY | DATE | 1/04 |
| DESIGNED BY       | 1/04 |      |
| QUANTITIES BY     | 1/04 |      |
| CHECKED BY        | 1/04 |      |



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*Chad M. McDonald*  
MITSUNAGA & ASSOCIATES

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

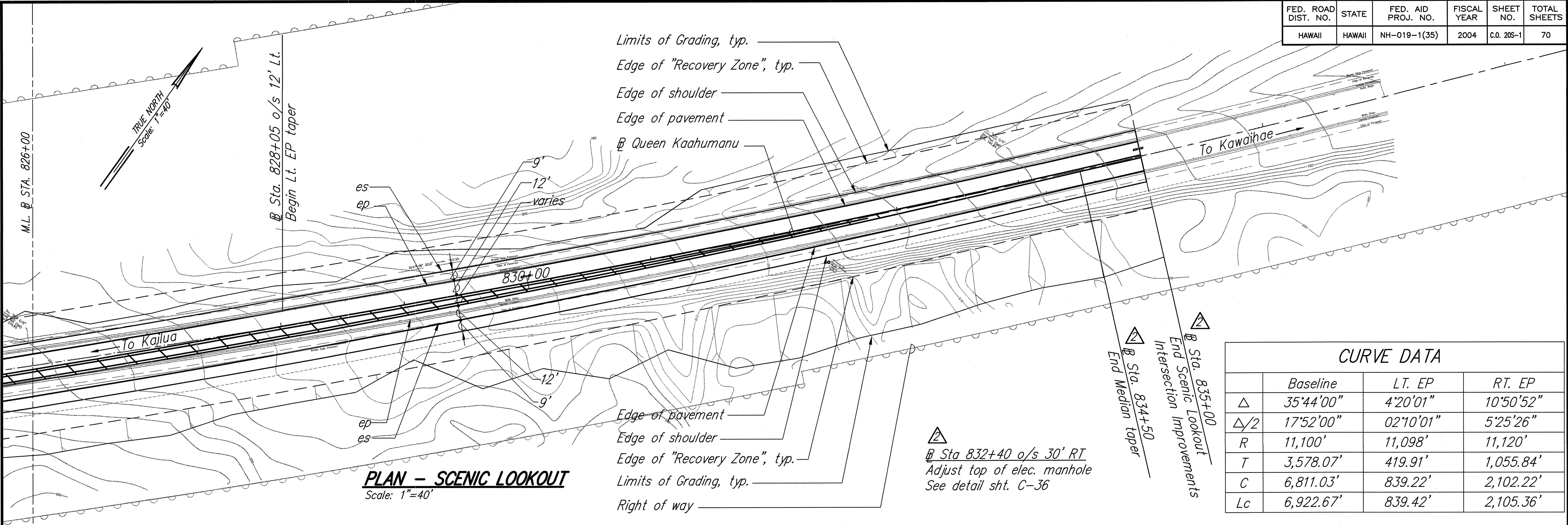
**SCENIC LOOKOUT PLAN & PROFILE**  
**(Sta. 814+00 to Sta. 826+00)**

**QUEEN KAAHUMANU HIGHWAY**  
**Resurfacing and Intersection Improvements**  
**Federal-Aid Project No. NH-019-1(35)**  
**Scale: As Noted Date: March 2004**

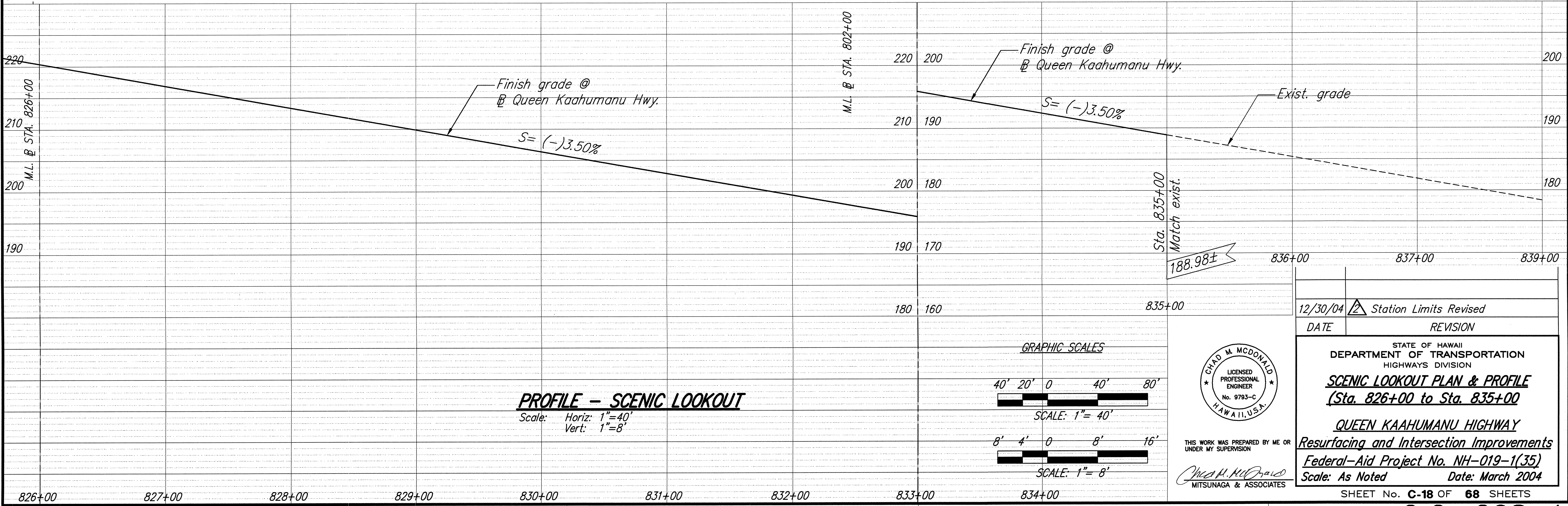
SHEET No. **C-18** OF **68** SHEETS



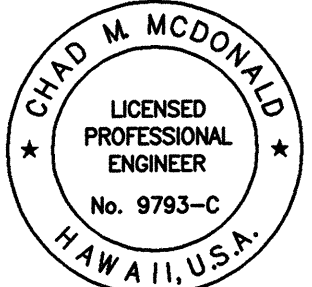
| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO.  | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|------------|--------------|
| HAWAII              | HAWAII | NH-019-1(35)       | 2004        | C.O. 20S-1 | 70           |



| CURVE DATA |           |           |           |
|------------|-----------|-----------|-----------|
|            | Baseline  | L.T. EP   | R.T. EP   |
| Δ          | 35°44'00" | 4°20'01"  | 10°50'52" |
| Δ/2        | 17°52'00" | 02°10'01" | 5°25'26"  |
| R          | 11,100'   | 11,098'   | 11,120'   |
| T          | 3,578.07' | 419.91'   | 1,055.84' |
| C          | 6,811.03' | 839.22'   | 2,102.22' |
| Lc         | 6,922.67' | 839.42'   | 2,105.36' |



|               |           |
|---------------|-----------|
| DATE          | 3/04      |
| DESIGNED BY   | C. KODAKU |
| CHECKED BY    | E. KODAKU |
| NOTED BY      |           |
| QUANTITIES BY |           |
| NO.           |           |



12/30/04

Station Limits Revised

REVISION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SCENIC LOOKOUT PLAN & PROFILE

(Sta. 826+00 to Sta. 835+00)

QUEEN KAAHUMANU HIGHWAY

Resurfacing and Intersection Improvements

Federal-Aid Project No. NH-019-1(35)

Scale: As Noted

Date: March 2004

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

CHAD M. MCDONALD

LICENSED PROFESSIONAL ENGINEER

No. 9793-C

HAWAII, U.S.A.

MITSUNAGA & ASSOCIATES

SHEET No. C-18 OF 68 SHEETS