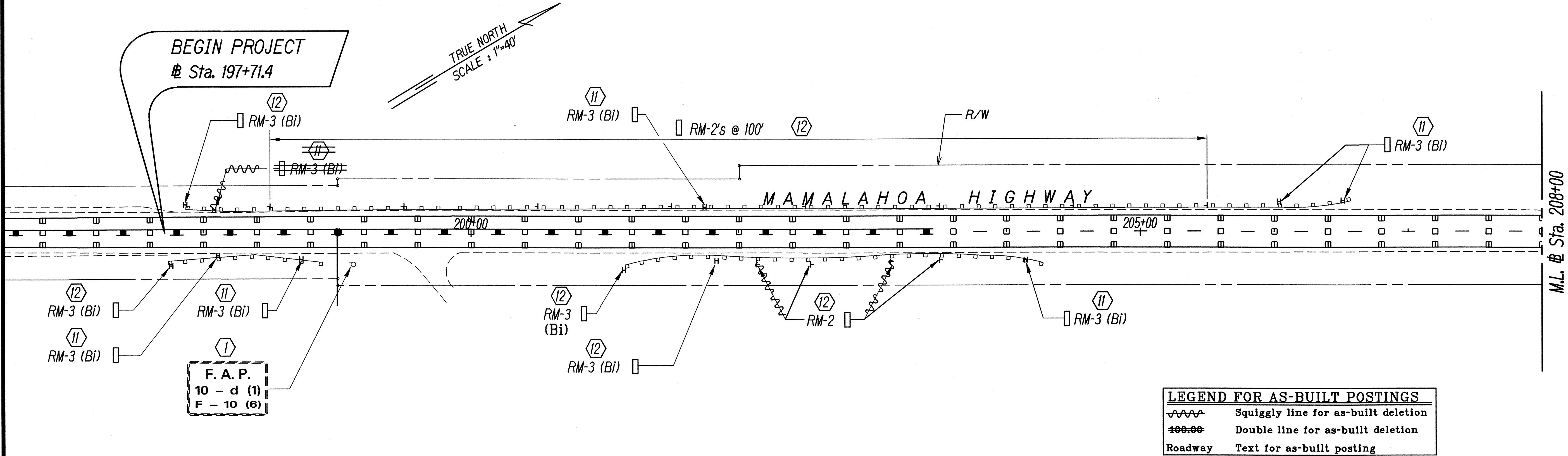
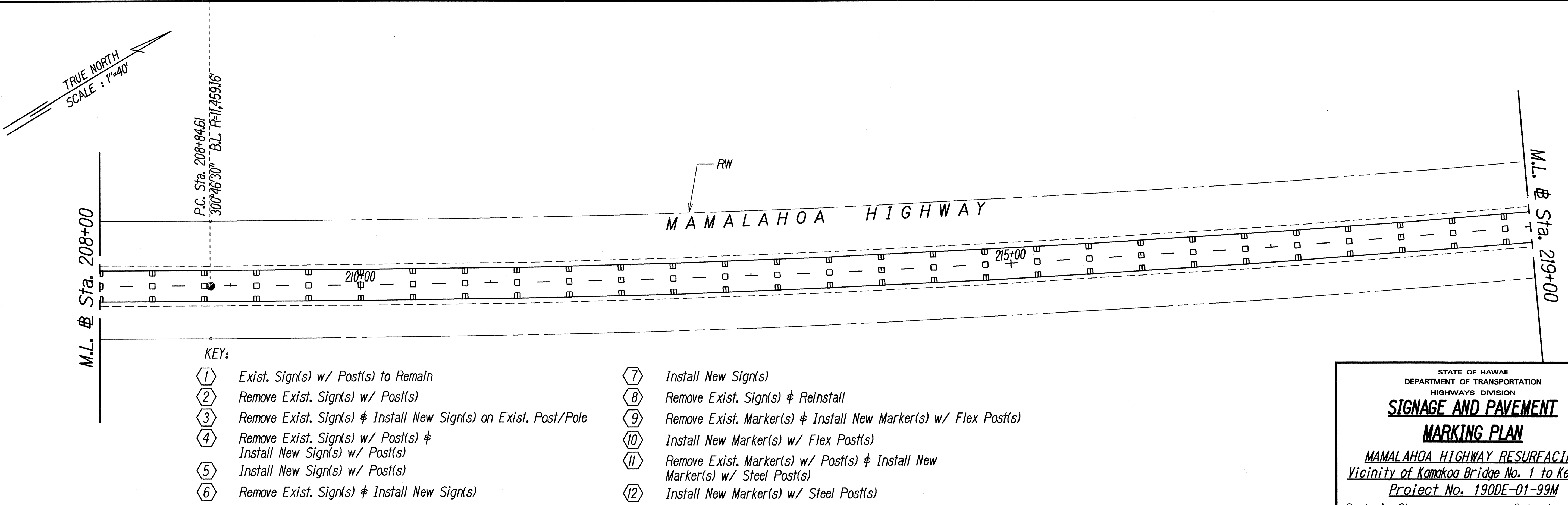


| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 29        | 50           |



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



- KEY:
- |   |                                                                   |   |                                                                             |
|---|-------------------------------------------------------------------|---|-----------------------------------------------------------------------------|
| ① | Exist. Sign(s) w/ Post(s) to Remain                               | ⑦ | Install New Sign(s)                                                         |
| ② | Remove Exist. Sign(s) w/ Post(s)                                  | ⑧ | Remove Exist. Sign(s) & Reinstall                                           |
| ③ | Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post/Pole   | ⑨ | Remove Exist. Marker(s) & Install New Marker(s) w/ Flex Post(s)             |
| ④ | Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s) | ⑩ | Install New Marker(s) w/ Flex Post(s)                                       |
| ⑤ | Install New Sign(s) w/ Post(s)                                    | ⑪ | Remove Exist. Marker(s) w/ Post(s) & Install New Marker(s) w/ Steel Post(s) |
| ⑥ | Remove Exist. Sign(s) & Install New Sign(s)                       | ⑫ | Install New Marker(s) w/ Steel Post(s)                                      |

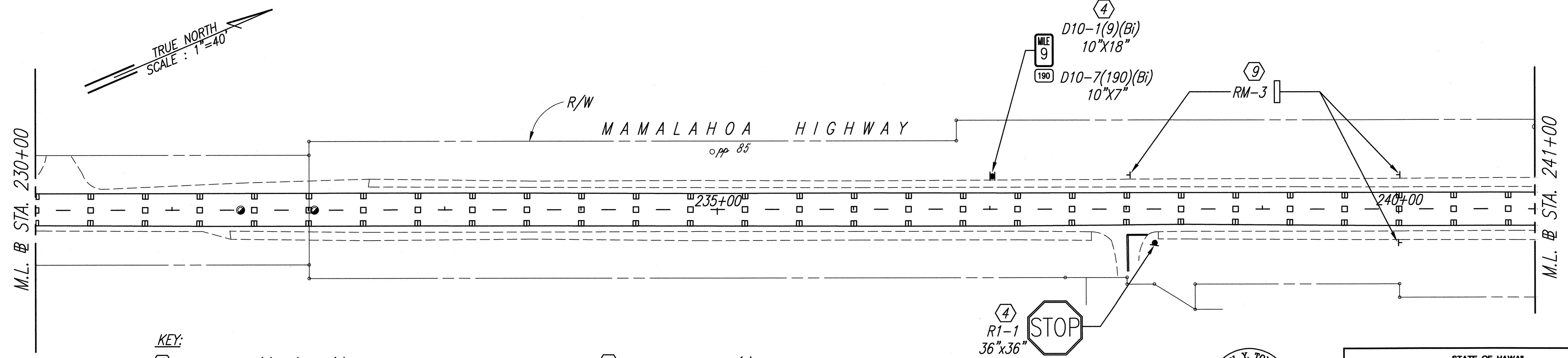
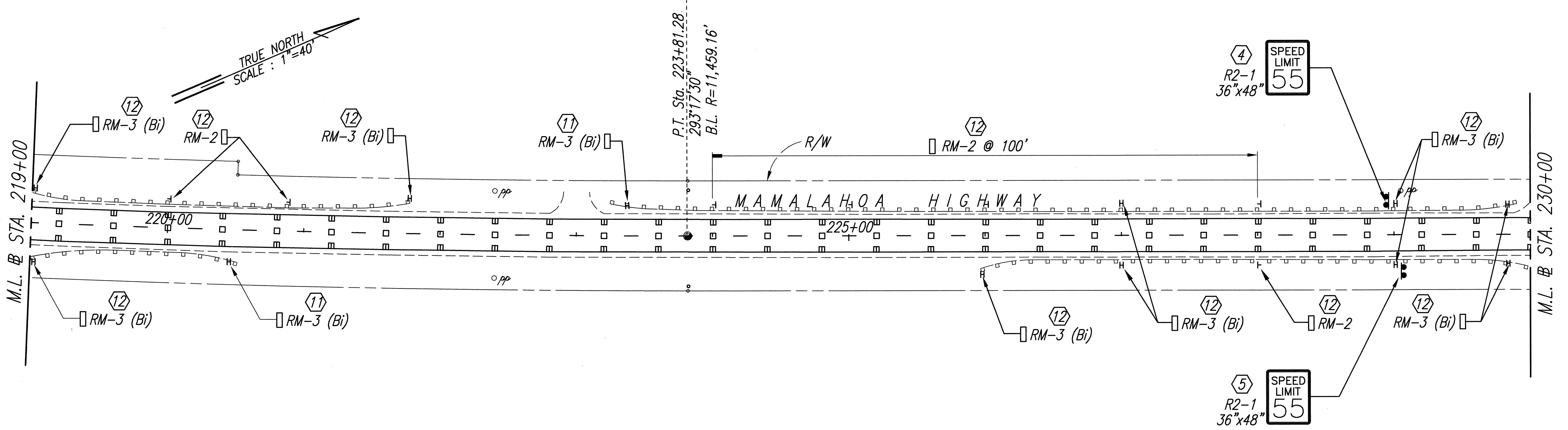
|             |       |
|-------------|-------|
| DATE        | _____ |
| DESIGNED BY | _____ |
| DRAWN BY    | _____ |
| CHECKED BY  | _____ |
| IN CHARGE   | _____ |
| NOTE BOOK   | _____ |
| NO.         | _____ |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNAGE AND PAVEMENT**  
**MARKING PLAN**  
MAMALAHOA HIGHWAY RESURFACING  
Vicinity of Kamakoa Bridge No. 1 to Keamoku  
Project No. 190DE-01-99M  
Scale: As Shown  
Date: June, 1999

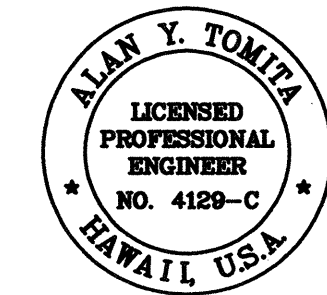
SHEET No. 1 OF 13 SHEETS

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 30        | 50           |



- KEY:**
- |   |                                                                   |    |                                                                             |
|---|-------------------------------------------------------------------|----|-----------------------------------------------------------------------------|
| 1 | Exist. Sign(s) w/ Post(s) to Remain                               | 7  | Install New Sign(s)                                                         |
| 2 | Remove Exist. Sign(s) w/ Post(s)                                  | 8  | Remove Exist. Sign(s) & Reinstall                                           |
| 3 | Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post/Pole   | 9  | Remove Exist. Marker(s) & Install New Marker(s) w/ Flex Post(s)             |
| 4 | Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s) | 10 | Install New Marker(s) w/ Flex Post(s)                                       |
| 5 | Install New Sign(s) w/ Post(s)                                    | 11 | Remove Exist. Marker(s) w/ Post(s) & Install New Marker(s) w/ Steel Post(s) |
| 6 | Remove Exist. Sign(s) & Install New Sign(s)                       | 12 | Install New Marker(s) w/ Steel Post(s)                                      |



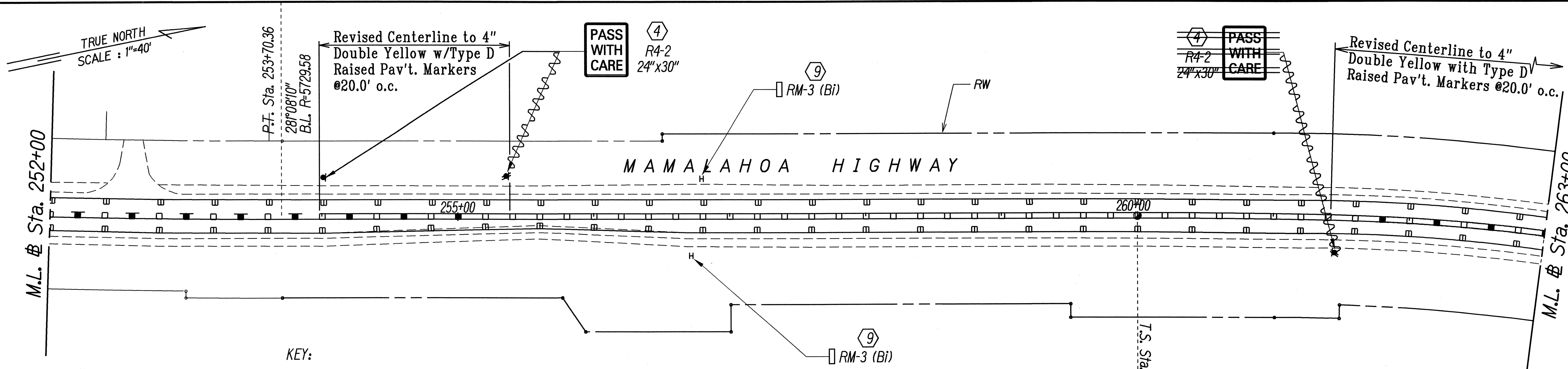
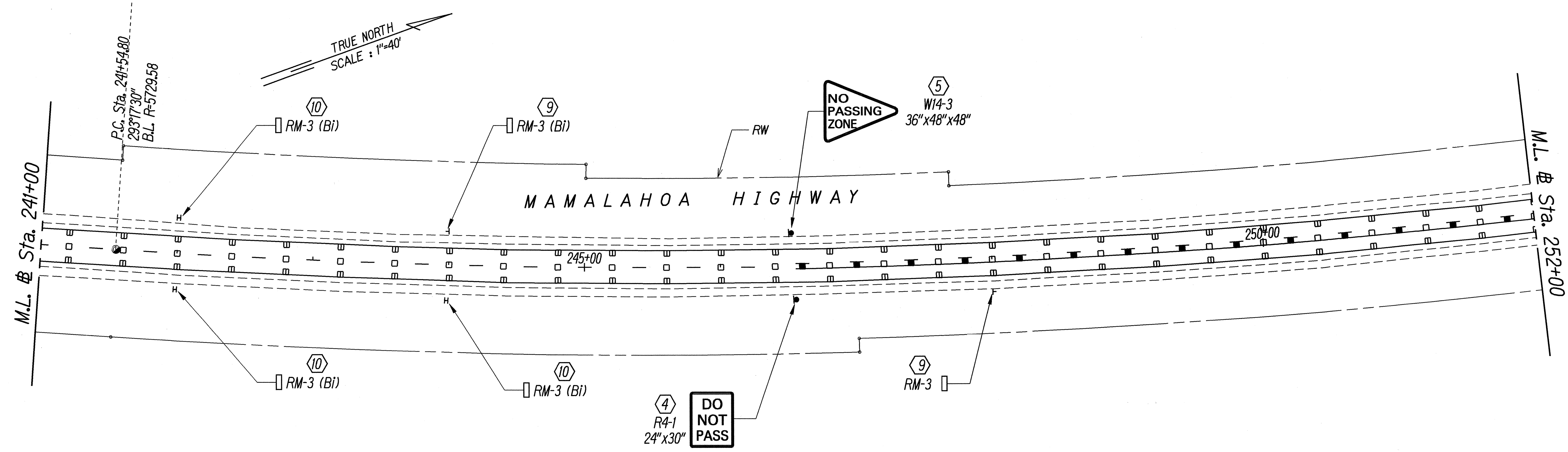
THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*Alan Y. Tomita*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNAGE AND PAVEMENT**  
**MARKING PLAN**  
**MAMALAHOA HIGHWAY RESURFACING**  
**Vicinity of Kamakoa Bridge No. 1 to Keamoku**  
**Project No. 190DE-01-99M**  
Scale: As Shown Date: May, 1999  
SHEET No. 2 OF 13 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 31        | 50           |



- KEY:
- 1 Exist. Sign(s) w/ Post(s) to Remain
  - 2 Remove Exist. Sign(s) w/ Post(s)
  - 3 Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post/Pole
  - 4 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s)
  - 5 Install New Sign(s) w/ Post(s)
  - 6 Remove Exist. Sign(s) & Install New Sign(s)
  - 7 Install New Sign(s)
  - 8 Remove Exist. Sign(s) & Reinstall
  - 9 Remove Exist. Marker(s) & Install New Marker(s) w/ Flex Post(s)
  - 10 Install New Marker(s) w/ Flex Post(s)
  - 11 Remove Exist. Marker(s) w/ Post(s) & Install New Marker(s) w/ Steel Post(s)
  - 12 Install New Marker(s) w/ Steel Post(s)

| 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

**SIGNAGE AND PAVEMENT MARKING PLAN**

MAMALAHOA HIGHWAY RESURFACING  
Vicinity of Kamakoa Bridge No. 1 to Keamoku  
Project No. 190DE-01-99M

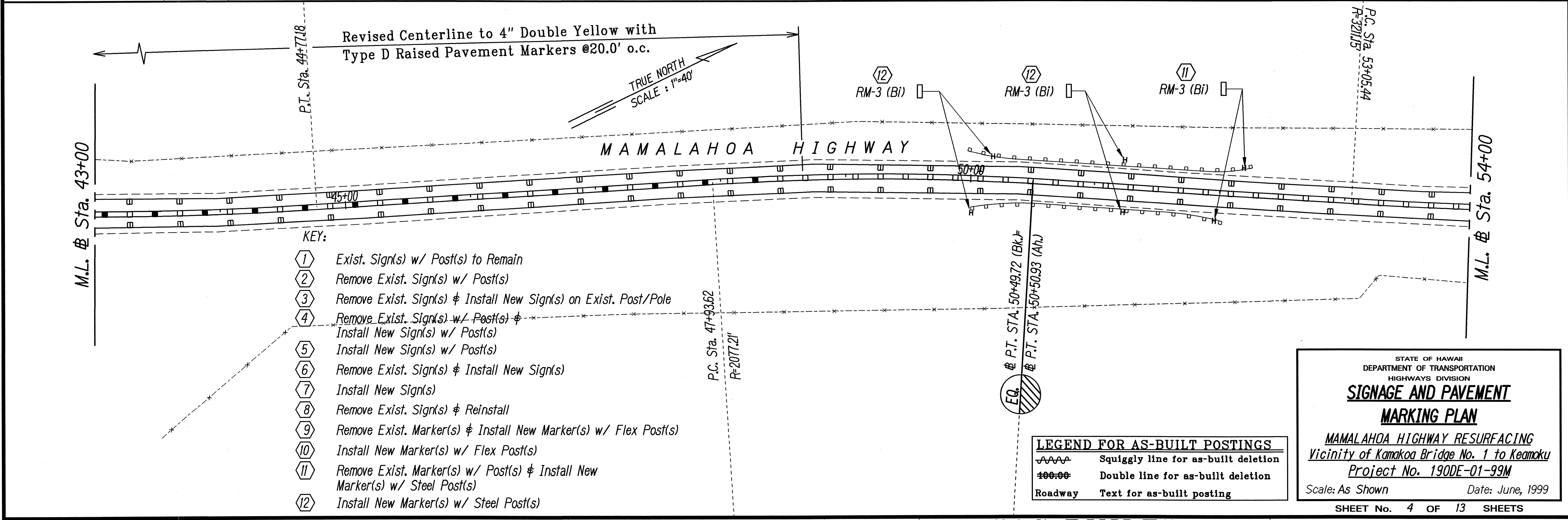
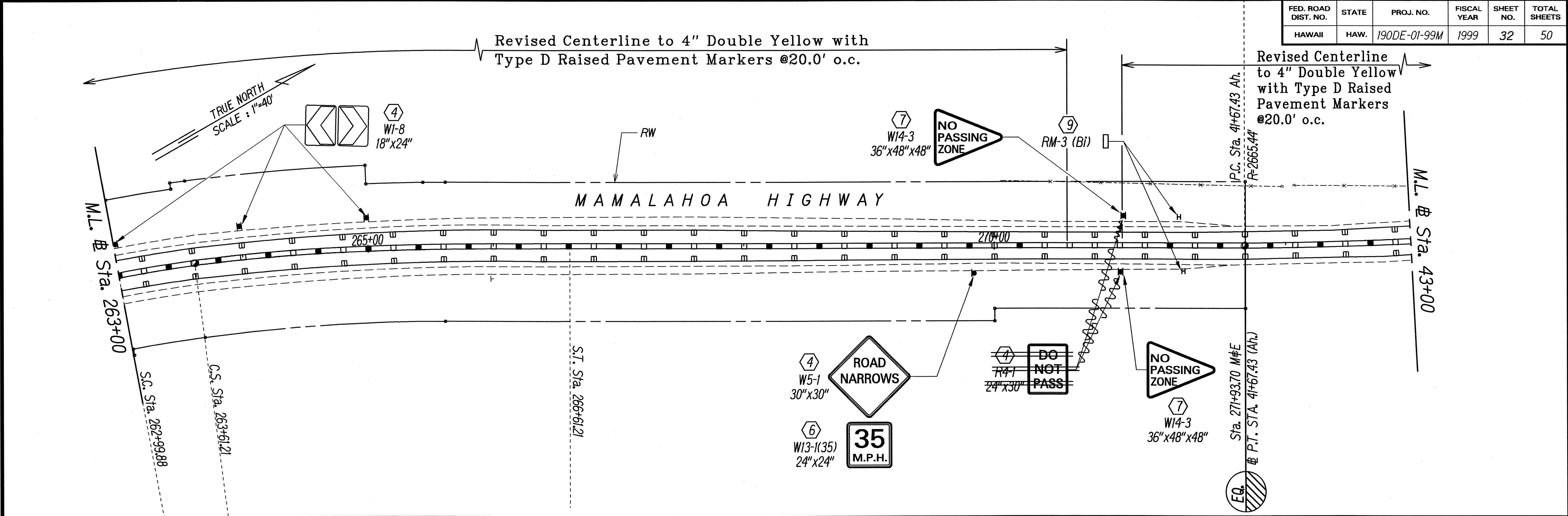
Scale: As Shown Date: June, 1999

SHEET No. 3 OF 13 SHEETS

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

"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 32        | 50           |



- KEY:
- 1 Exist. Sign(s) w/ Post(s) to Remain
  - 2 Remove Exist. Sign(s) w/ Post(s)
  - 3 Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post/Pole
  - 4 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s)
  - 5 Install New Sign(s) w/ Post(s)
  - 6 Remove Exist. Sign(s) & Install New Sign(s)
  - 7 Install New Sign(s)
  - 8 Remove Exist. Sign(s) & Reinstall
  - 9 Remove Exist. Marker(s) & Install New Marker(s) w/ Flex Post(s)
  - 10 Install New Marker(s) w/ Flex Post(s)
  - 11 Remove Exist. Marker(s) w/ Post(s) & Install New Marker(s) w/ Steel Post(s)
  - 12 Install New Marker(s) w/ Steel Post(s)

| 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

**SIGNAGE AND PAVEMENT MARKING PLAN**

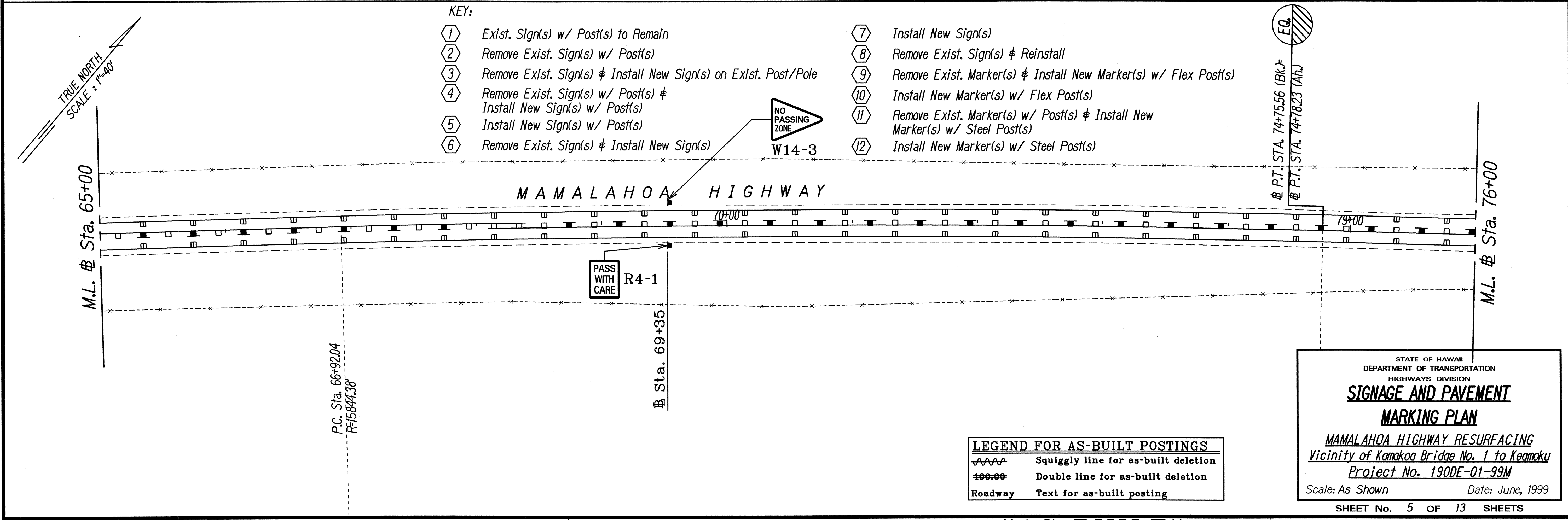
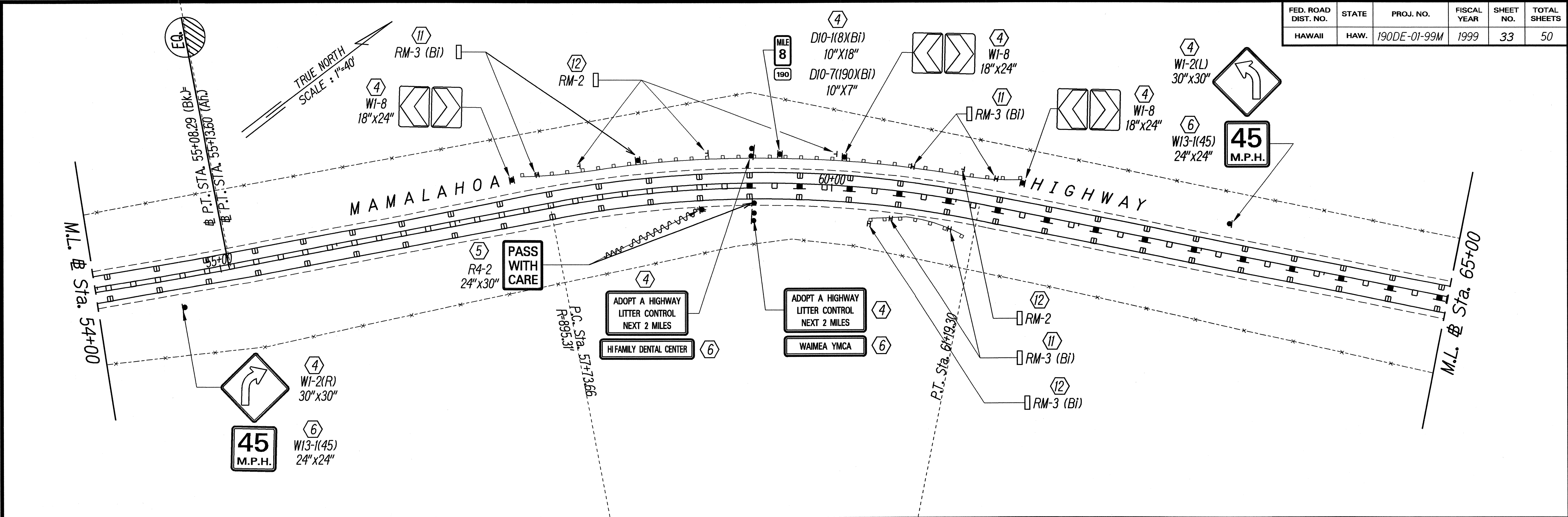
MAMALAHOA HIGHWAY RESURFACING  
Vicinity of Kamakoa Bridge No. 1 to Keamoku  
Project No. 190DE-01-99M

Scale: As Shown      Date: June, 1999

SHEET No. 4 OF 13 SHEETS

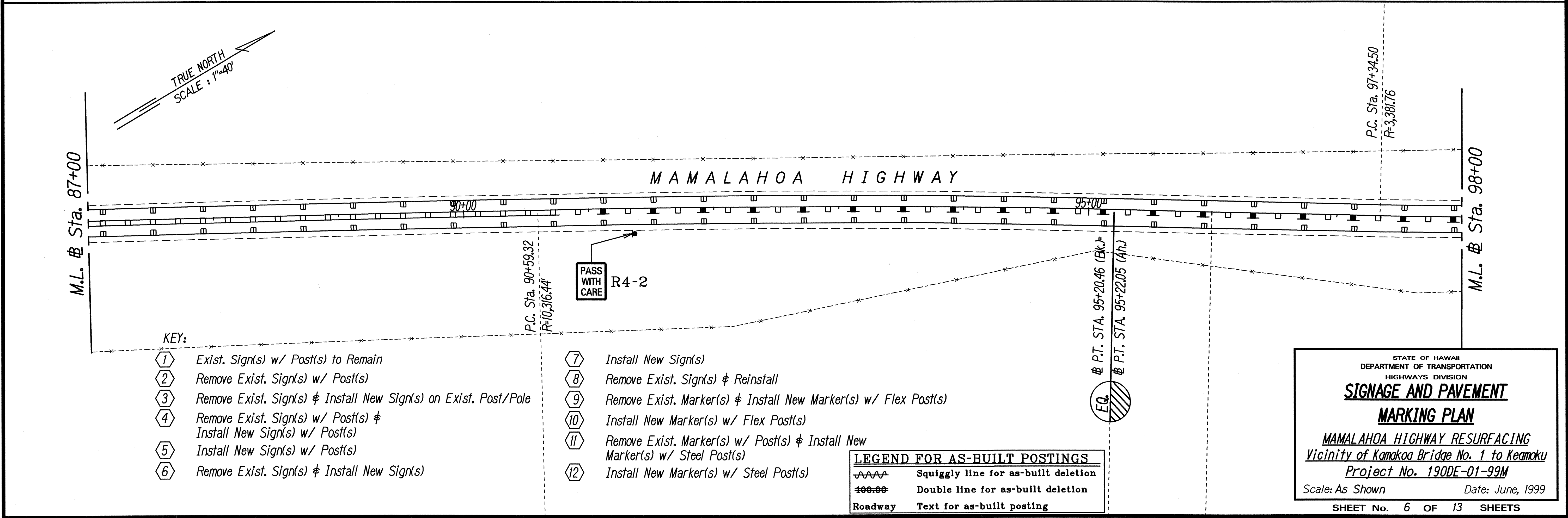
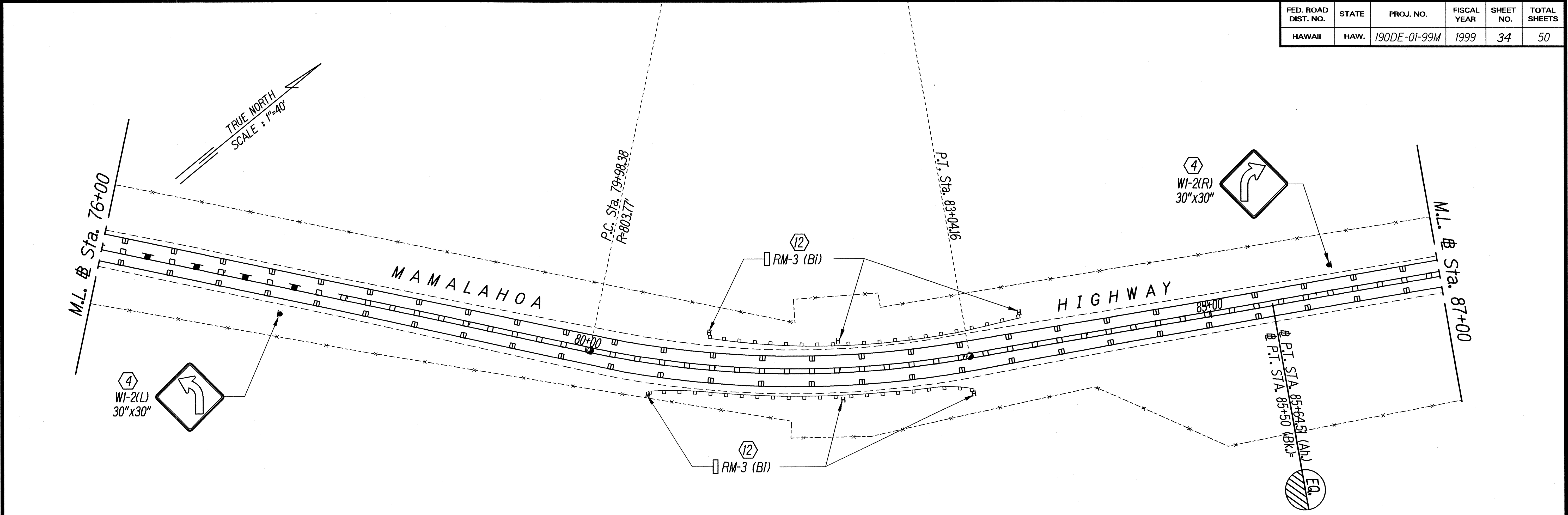
"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 33        | 50           |



"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 34        | 50           |



"AS-BUILT"

TRUE NORTH  
SCALE: 1"=40'

EQ.

R4-1  
DO NOT PASS  
Sta. 99+65

W14-3  
NO PASSING ZONE  
Sta. 100+08

M.L. Sta. 98+00

100+00

105+00

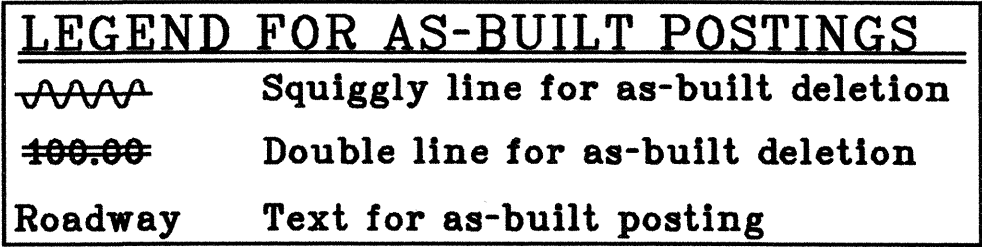
MAMALAHOA HIGHWAY

RM-3

W14-3  
NO PASSING ZONE

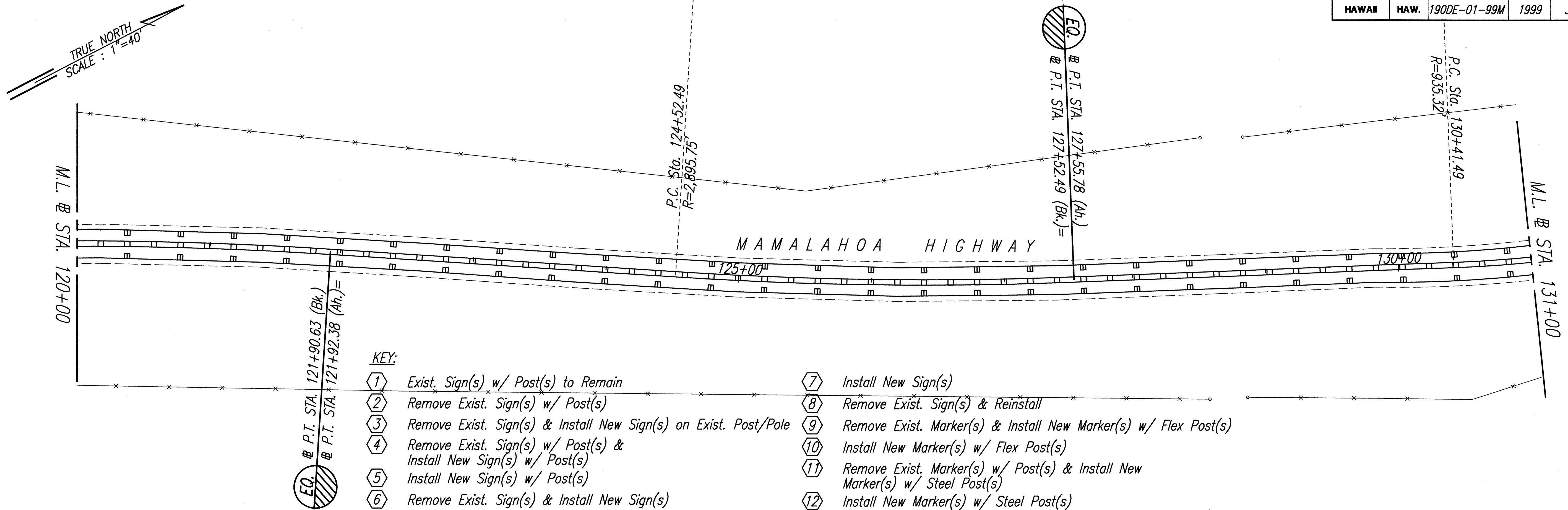
KEY:

|   |                                                                   |   |                                                                             |
|---|-------------------------------------------------------------------|---|-----------------------------------------------------------------------------|
| ① | Exist. Sign(s) w/ Post(s) to Remain                               | ⑦ | Install New Sign(s)                                                         |
| ② | Remove Exist. Sign(s) w/ Post(s)                                  | ⑧ | Remove Exist. Sign(s) & Reinstall                                           |
| ③ | Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post/Pole   | ⑨ | Remove Exist. Marker(s) & Install New Marker(s) w/ Flex Post(s)             |
| ④ | Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s) | ⑩ | Install New Marker(s) w/ Flex Post(s)                                       |
| ⑤ | Install New Sign(s) w/ Post(s)                                    | ⑪ | Remove Exist. Marker(s) w/ Post(s) & Install New Marker(s) w/ Steel Post(s) |
| ⑥ | Remove Exist. Sign(s) & Install New Sign(s)                       | ⑫ | Install New Marker(s) w/ Steel Post(s)                                      |

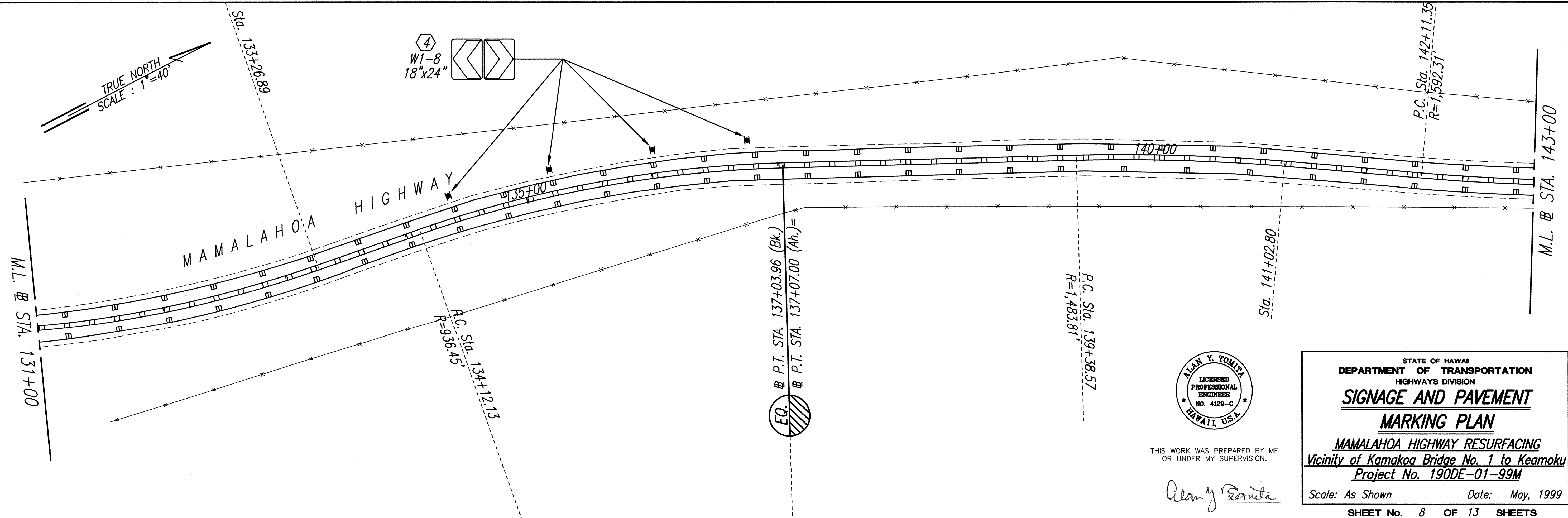


## "AS-BUILT"

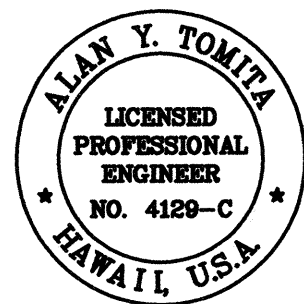
| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 36        | 50           |



- KEY:
- |   |                                                                   |    |                                                                             |
|---|-------------------------------------------------------------------|----|-----------------------------------------------------------------------------|
| 1 | Exist. Sign(s) w/ Post(s) to Remain                               | 7  | Install New Sign(s)                                                         |
| 2 | Remove Exist. Sign(s) w/ Post(s)                                  | 8  | Remove Exist. Sign(s) & Reinstall                                           |
| 3 | Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post/Pole   | 9  | Remove Exist. Marker(s) & Install New Marker(s) w/ Flex Post(s)             |
| 4 | Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s) | 10 | Install New Marker(s) w/ Flex Post(s)                                       |
| 5 | Install New Sign(s) w/ Post(s)                                    | 11 | Remove Exist. Marker(s) w/ Post(s) & Install New Marker(s) w/ Steel Post(s) |
| 6 | Remove Exist. Sign(s) & Install New Sign(s)                       | 12 | Install New Marker(s) w/ Steel Post(s)                                      |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          |      |
|               | CHECKED BY        |      |
|               |                   |      |

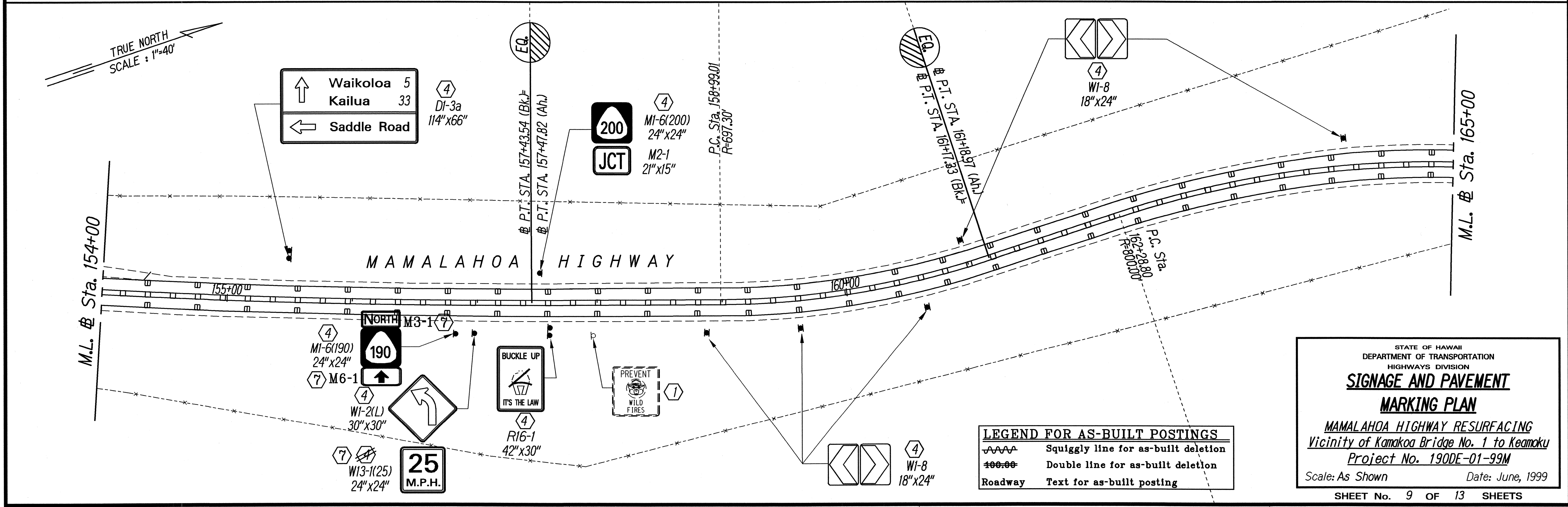
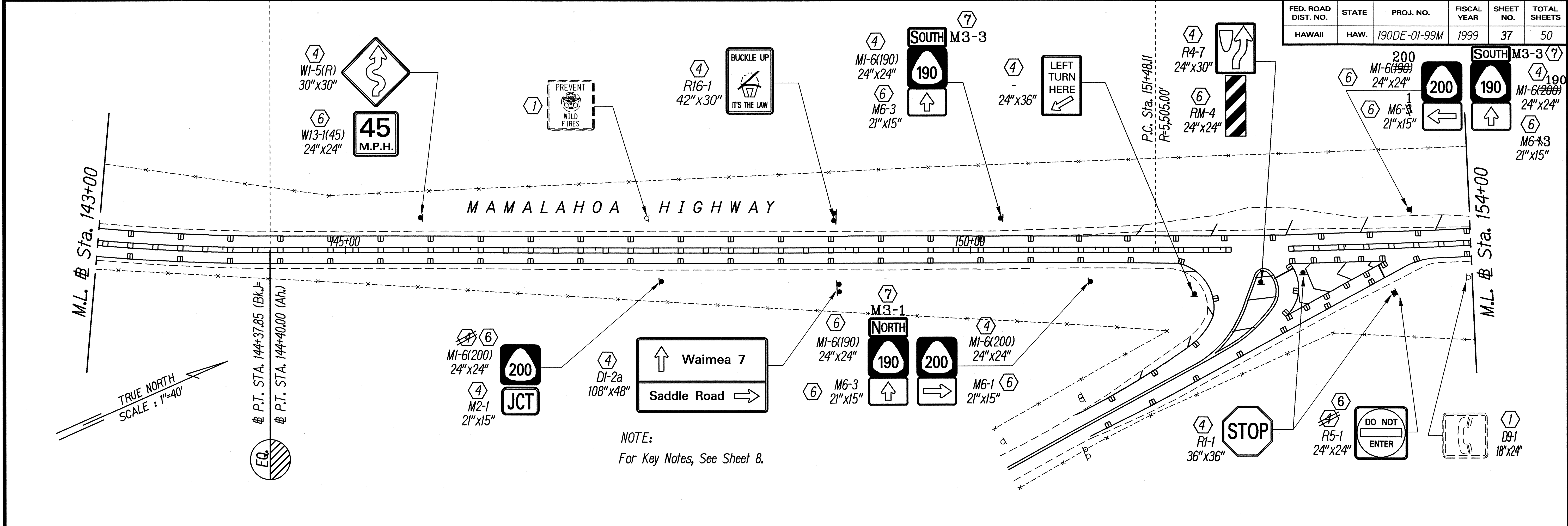


THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*Alan Y. Tomita*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNAGE AND PAVEMENT  
MARKING PLAN**  
MAMALAHOA HIGHWAY RESURFACING  
Vicinity of Kamakoa Bridge No. 1 to Keamoku  
Project No. 190DE-01-99M  
Scale: As Shown Date: May, 1999  
SHEET No. 8 OF 13 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 37        | 50           |



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

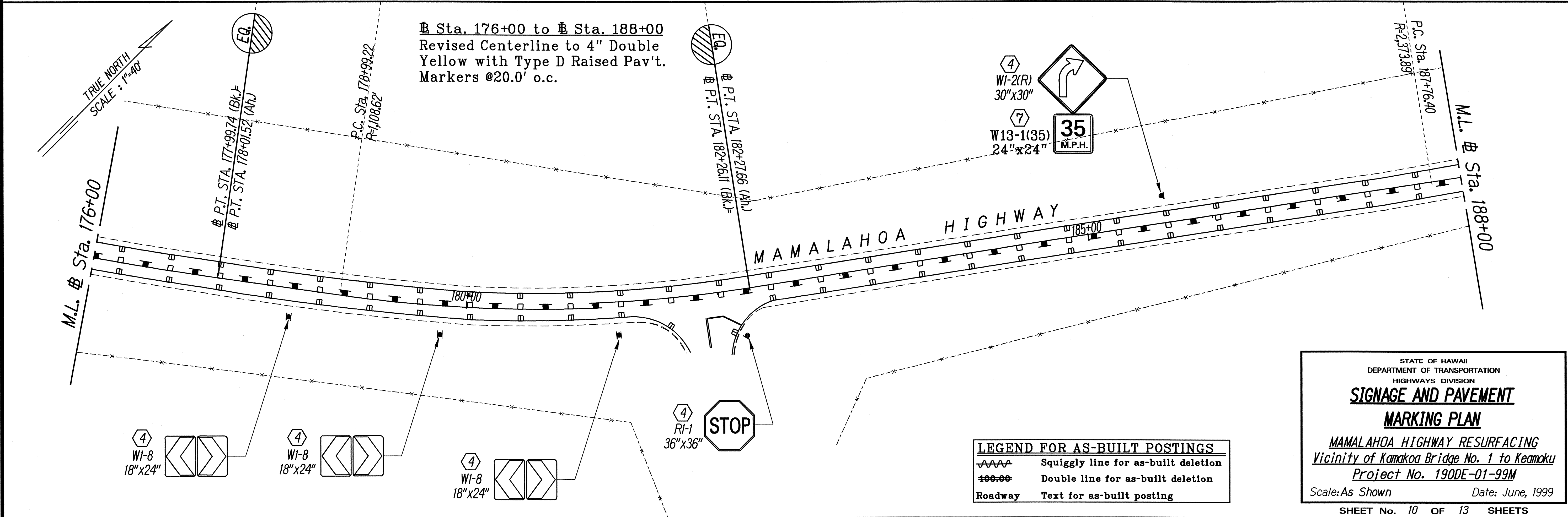
**SIGNAGE AND PAVEMENT MARKING PLAN**

MAMALAHOA HIGHWAY RESURFACING  
Vicinity of Kamakoa Bridge No. 1 to Keamoku  
Project No. 190DE-01-99M

Scale: As Shown Date: June, 1999

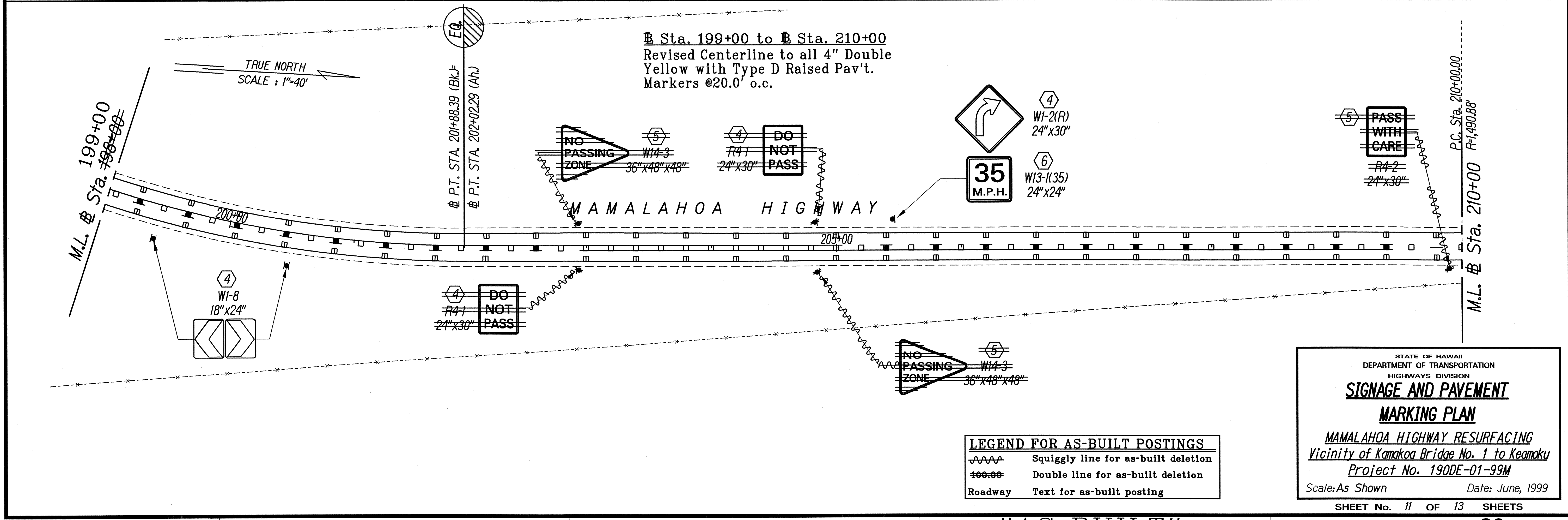
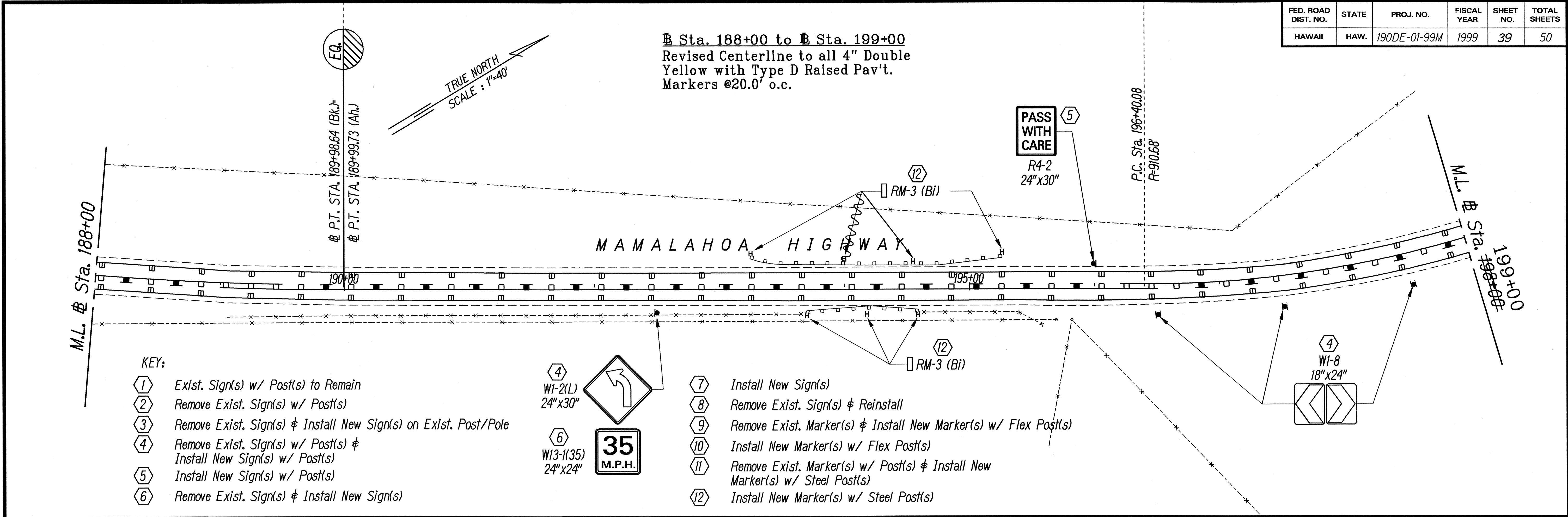
SHEET No. 9 OF 13 SHEETS

"AS-BUILT"

[illegible]

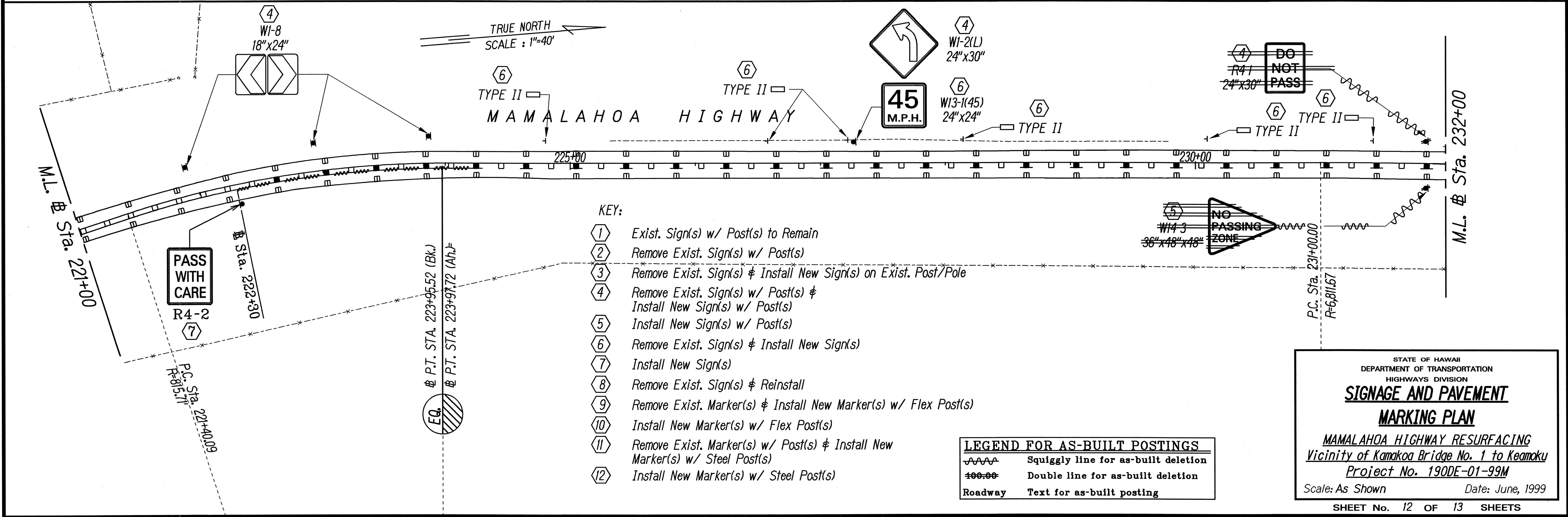
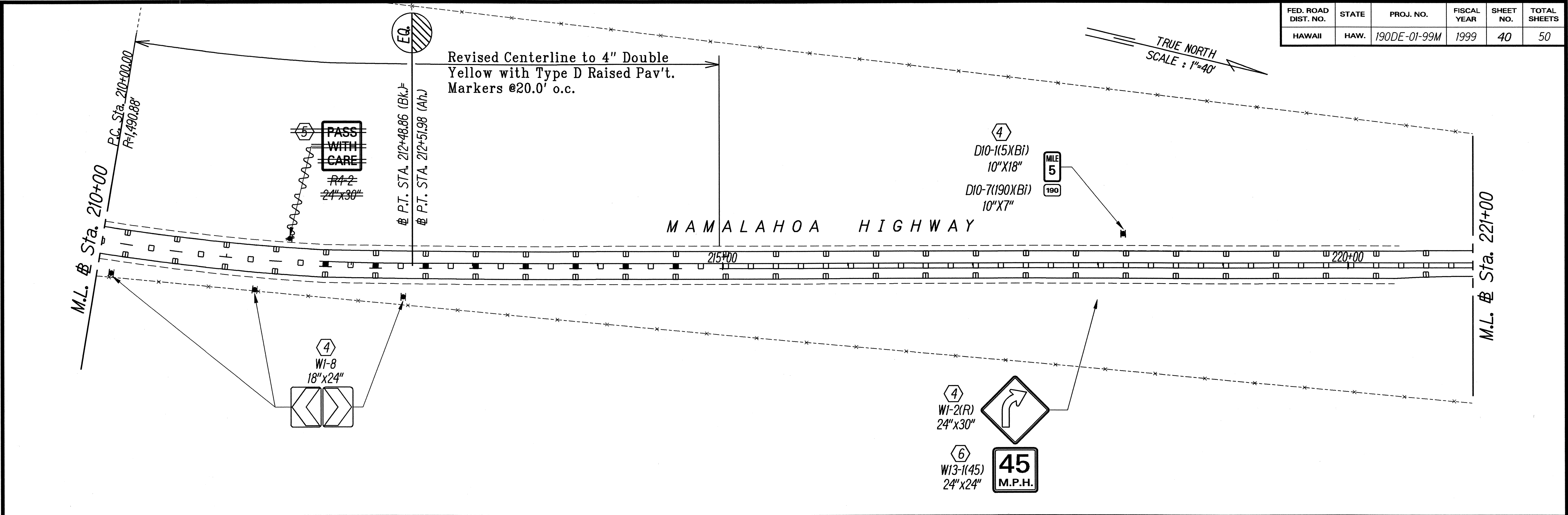
## "AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 39        | 50           |



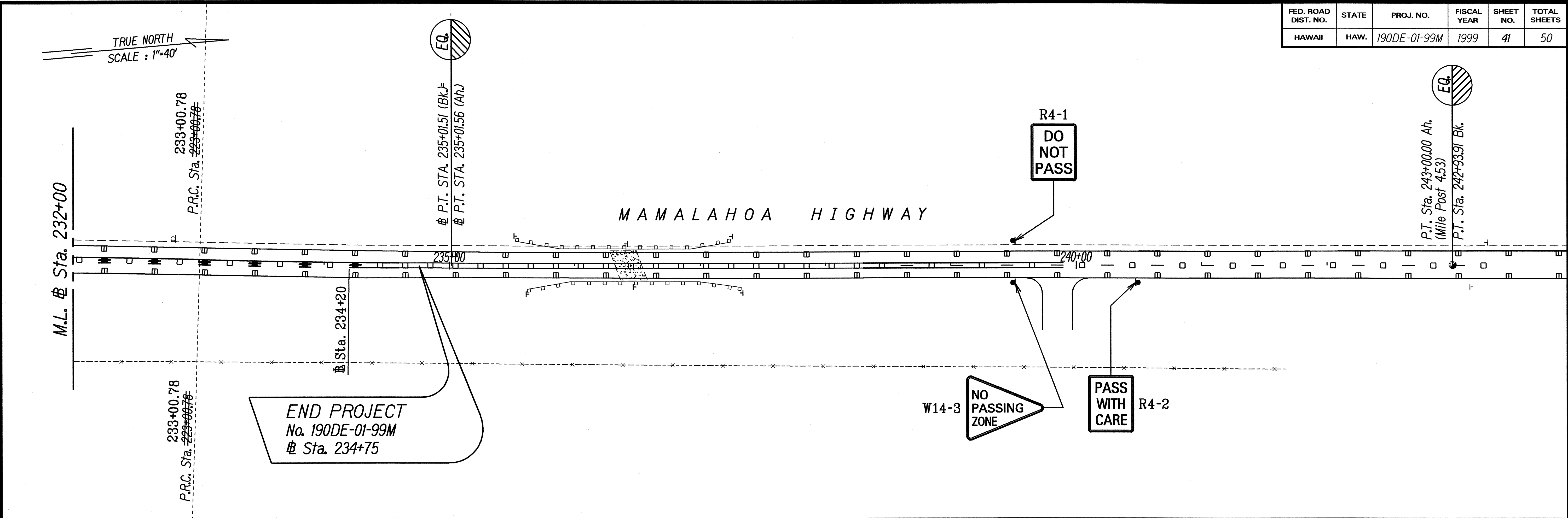
"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 40        | 50           |



"AS-BUILT"

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 190DE-01-99M | 1999        | 41        | 50           |



KEY:

- 1 Exist. Sign(s) w/ Post(s) to Remain
- 2 Remove Exist. Sign(s) w/ Post(s)
- 3 Remove Exist. Sign(s) & Install New Sign(s) on Exist. Post/Pole
- 4 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s)
- 5 Install New Sign(s) w/ Post(s)
- 6 Remove Exist. Sign(s) & Install New Sign(s)
- 7 Install New Sign(s)
- 8 Remove Exist. Sign(s) & Reinstall
- 9 Remove Exist. Marker(s) & Install New Marker(s) w/ Flex Post(s)
- 10 Install New Marker(s) w/ Flex Post(s)
- 11 Remove Exist. Marker(s) w/ Post(s) & Install New Marker(s) w/ Steel Post(s)
- 12 Install New Marker(s) w/ Steel Post(s)

| 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  
**SIGNAGE AND PAVEMENT**  
**MARKING PLAN**  
**MAMALAHOA HIGHWAY RESURFACING**  
**Vicinity of Kamakoa Bridge No. 1 to Keamoku**  
**Project No. 190DE-01-99M**  
Scale: As Shown Date: June, 1999  
SHEET No. 13 OF 13 SHEETS

"AS-BUILT"