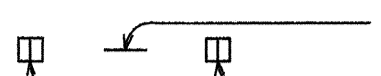
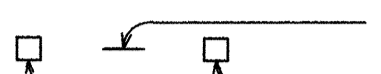

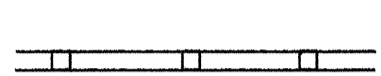


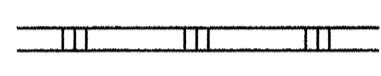


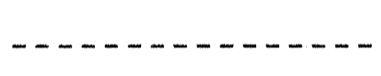
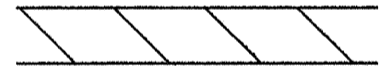
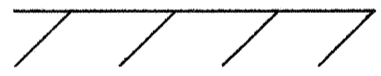
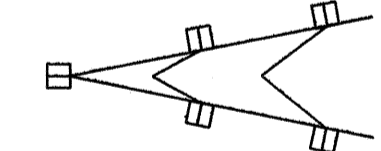
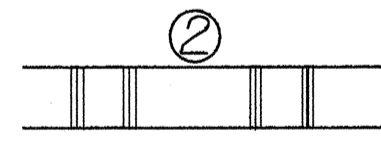




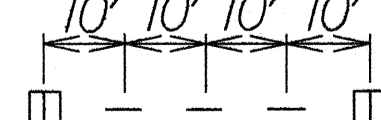
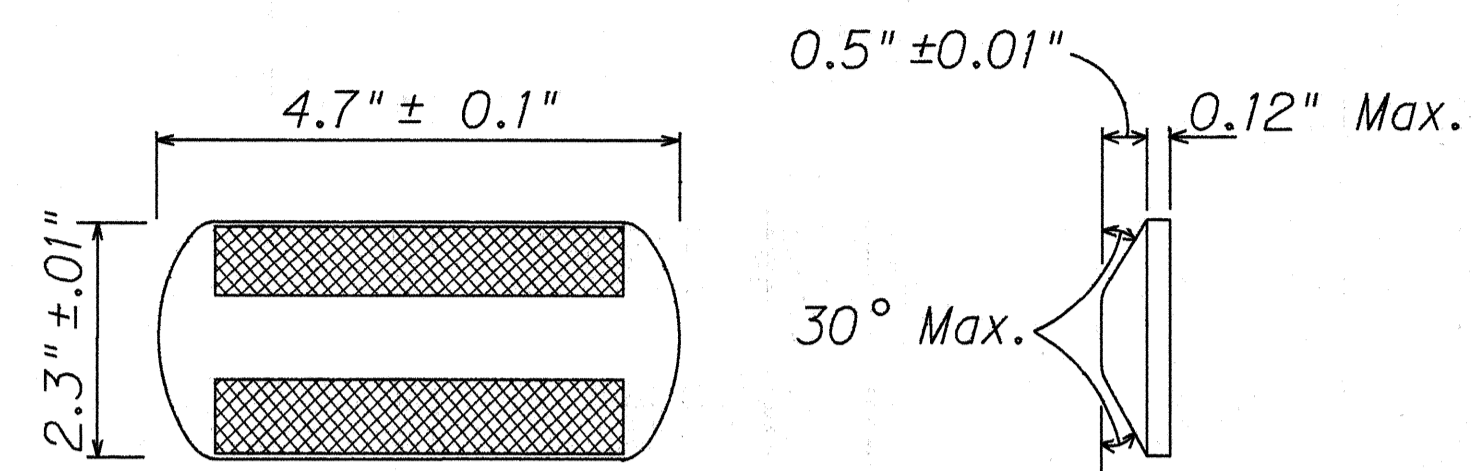


| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 15        | 30           |

**LEGEND**

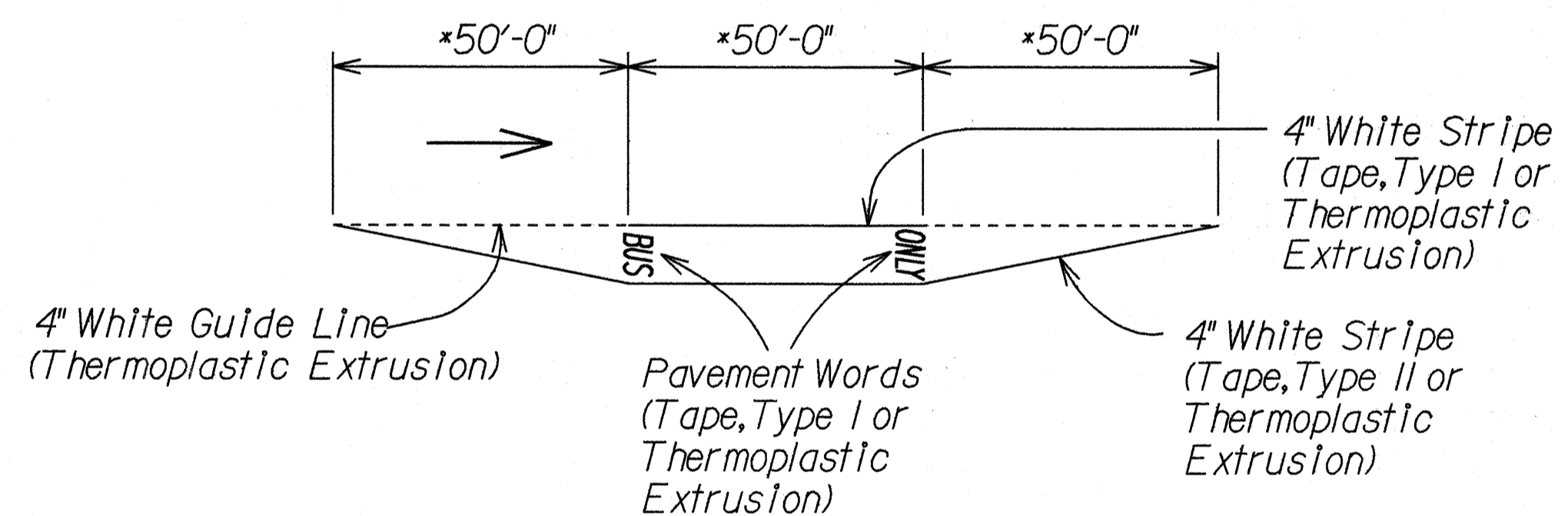
-  4 each Type A Raised Pavement Markers  
Type CL Raised Pavement Markers @ 40' - 0" o.c.
-  4 each Type J Raised Pavement Markers  
Type DL Raised Pavement Markers @ 40' - 0" o.c.
-  8" White Stripe with Type CL Raised Pavement Markers @ 20' - 0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type DL Raised Pavement Markers @ 20' - 0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow Stripes with Type HL Raised Pavement Markers @ 20' - 0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Yellow Edge Stripe with Type HL Raised Pavement Markers @ 40' - 0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Double Solid White Stripes with Type CL Raised Pavement Markers @ 20' - 0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  Lane Change Restriction Marking  
4 each Type A Raised Pavement Markers  
Type CL Raised Pavement Markers @ 20' - 0" o.c.  
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type CL Raised Pavement Markers @ 40' - 0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" White Guide Lines (Thermoplastic Extrusion)
-  Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)
-  Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
-  Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)
-  Crosswalk and Stop Line. All Stop Lines shall be 10' - 0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment. (Thermoplastic Extrusion)
-  Pavement Arrow (Tape, Type I or Thermoplastic Extrusion)
-  Pavement Word (Tape, Type I or Thermoplastic Extrusion)
-  4 Each Type J Raised Pavement Markers  
Type DL Raised Pavement Markers @ 40' - 0" o.c.  
Type HL Raised Pavement Markers (Reflective Surface facing no-passing direction)
-  4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion)
-  Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10' - 0" o.c. w/Type CL Markers @ 40' - 0" o.c. (Thermoplastic Extrusion)



TYPE CL  
Red-Clear Reflective Marker  
or  
TYPE DL  
Two-Way Yellow Reflective Marker  
or  
TYPE HL  
One-Way Yellow Reflective Marker

**RAISED PAVEMENT MARKER DETAILS**

Not to Scale



**TYPICAL BUS BAY STRIPING**

Not to Scale

\* 40' - 0" for Bus Bay located @ Sta. 211+00 Lt.

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING  
LEGEND & DETAILS**

**KALANIANA'OLE HIGHWAY &  
KAILUA ROAD RESURFACING  
Castle Junction to KawaInui Bridge  
Project No. 61CD-01-92M**

Date: Apr 11, 1992

SHEET No. 11 OF 16 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 16        | 30           |

## NOTES

- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any Installation work.
- Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
- Raised pavement markers shall not be installed within crosswalks.
- Details of Type C, Type D and Type H Markers on Standard Plan Nos. TE-30, TE-31 and TE-32 shall be deleted and replaced with details of Type CL, Type DL and Type HL Markers as shown on Sheet No. T2. All references to Type C, Type D and Type H Markers in the plans shall mean Type CL, Type DL and Type HL Markers.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- All pavement striping shall be as noted on the legend or plans.
- Existing signs that are to be replaced, shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
- Backing for all new Regulatory and Warning Signs shall not be spliced.
- Interstate Route Marker Symbols shall conform to details shown on the plans and as specified in the MUTCD.
- All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
  - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
  - "Standard Highway Signs."
  - "Standard Alphabets for Highway Signs."
- Borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
- Sign messages shall be as indicated on the plan.
- All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. abutting edges of panels shall be in only one direction if vertical abutting edges are used, no horizontal abutting edges shall be allowed and vice versa.
- All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
- Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
- Removal of Existing Delineators and Posts shall be considered incidental to the various signing items.
- All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as directed by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.

- Removing and reinstalling existing Street Name Signs on Regulatory and Warning Sign Post shall not be paid for separately but shall be considered incidental to the various signing items.
- Install New Type II Object Marker on all utility poles or trees from Sta. 305+00 to Sta. 364+00 (End of Project) that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. Coconut/Palm Trees located in the Median shall have Type II Object Markers install Bi-Directionally (2 per tree).
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- The Contractor shall notify the Traffic Signal Branch, Dept. of Transportation Services, City & County of Honolulu, 2 weeks prior to commencing any loop detector work.
- Dept. of Transportation Services, City & County of Honolulu, will assist the Engineer in construction inspection for the loop detector work.
- The exact locations of the new loop detectors shall be determined in the field by the Engineer.
- Loop detectors damaged during the Contractor's reconstruction of pavement areas or cold planing operation, shall be replaced within 48 hours. Replacement and location of the new loop detectors shall be as directed by the Engineer.

## DESTINATION (D) SIGN NOTES

- The Contractor shall verify the locations of the existing Sign Panels and supports.
- New sign panels shall be laminated aluminum or extruded aluminum.
- Contractor shall submit all sign splicing details to the Engineer for approval. All backing for signs 4 feet by 6 feet or less shall be of one sheet.
- Destination Sign Posts and Foundation shall be as noted on the plans. See Sheet No. T14, Frame Layout, for details.
- Incidental parts and services, not shown on the plans or specified but deemed necessary for the sign installation, shall be furnished and installed by the Contractor as part of the work contracted.
- Removal and disposal of existing sign panels, posts with foundation, and supports will not be paid for separately, but shall be considered incidental to the various signing items.

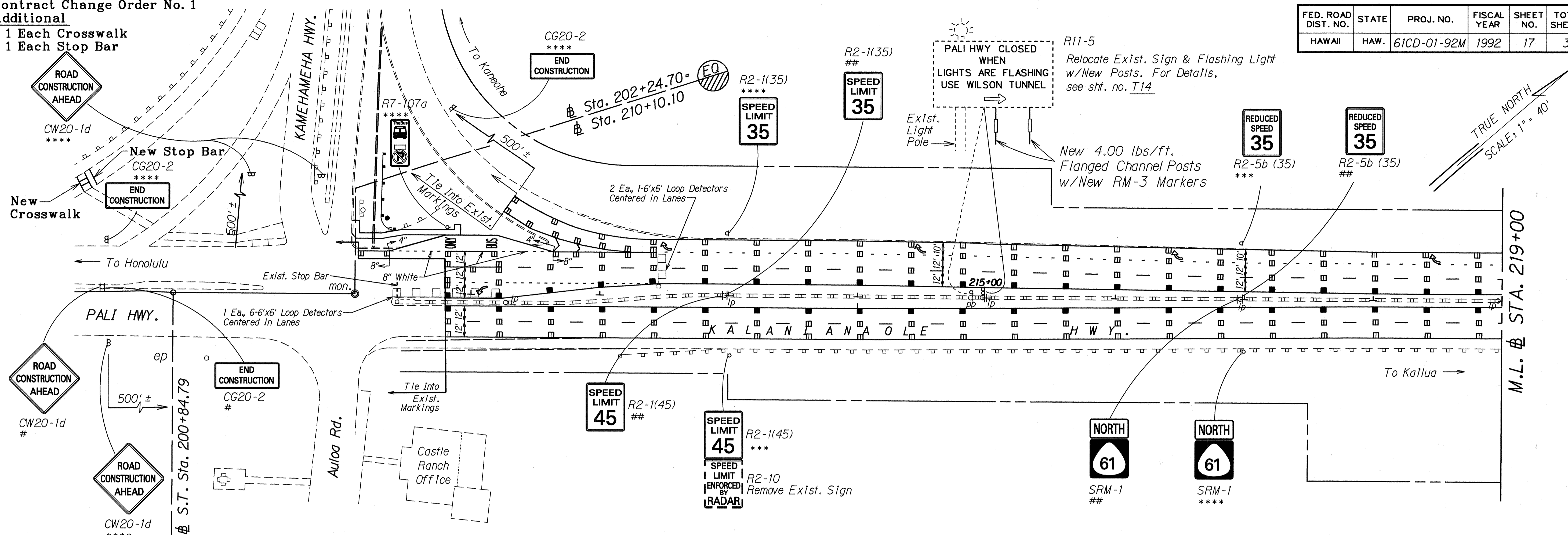
|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY          | _____ |
| TRACED BY         | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
|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

|  |  |
|--|--|
| 5/27/92  | Note *19, Type II Object Marker Revised. |
| DATE   | REVISION                                 |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>TRAFFIC NOTES</b><br><b>KALANIANA'OLE HIGHWAY &amp; KAILUA ROAD RESURFACING</b><br><b>Castle Junction to Kawaiauli Bridge</b><br><b>Project No. 61CD-01-92M</b><br>Date: Apr 11, 1992 |  |
| SHEET No. 16 OF 16 SHEETS  |  |

Contract Change Order No. 1  
Additional

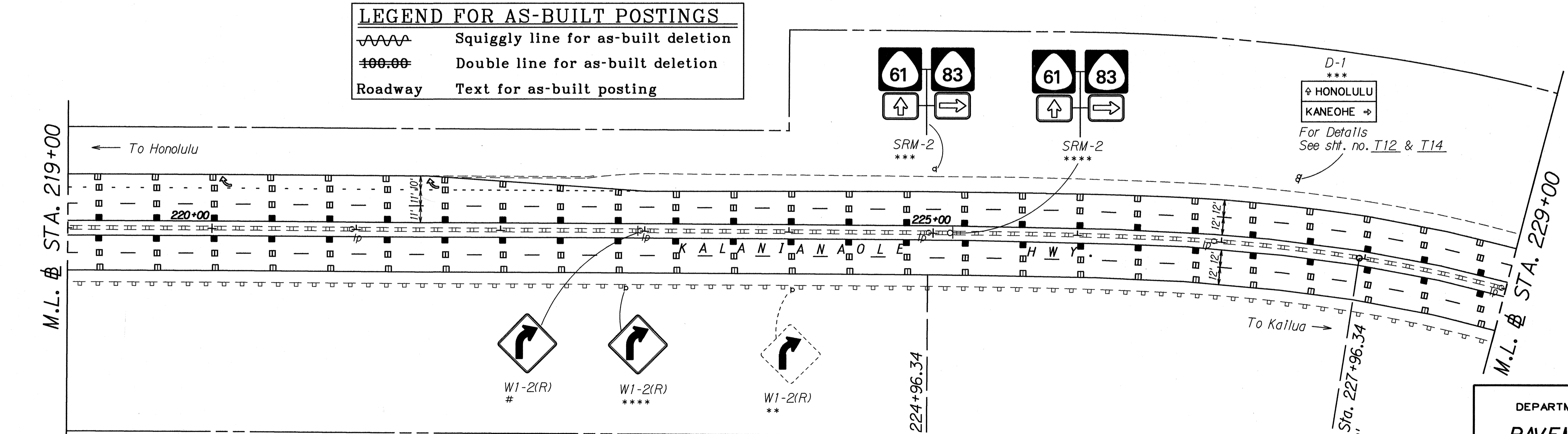
1 Each Crosswalk  
1 Each Stop Bar

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 17        | 30           |



**LEGEND FOR AS-BUILT POSTINGS**

|         |                                     |
|---------|-------------------------------------|
|         | Squiggly line for as-built deletion |
|         | Double line for as-built deletion   |
| Roadway | Text for as-built posting           |



**KEY:**

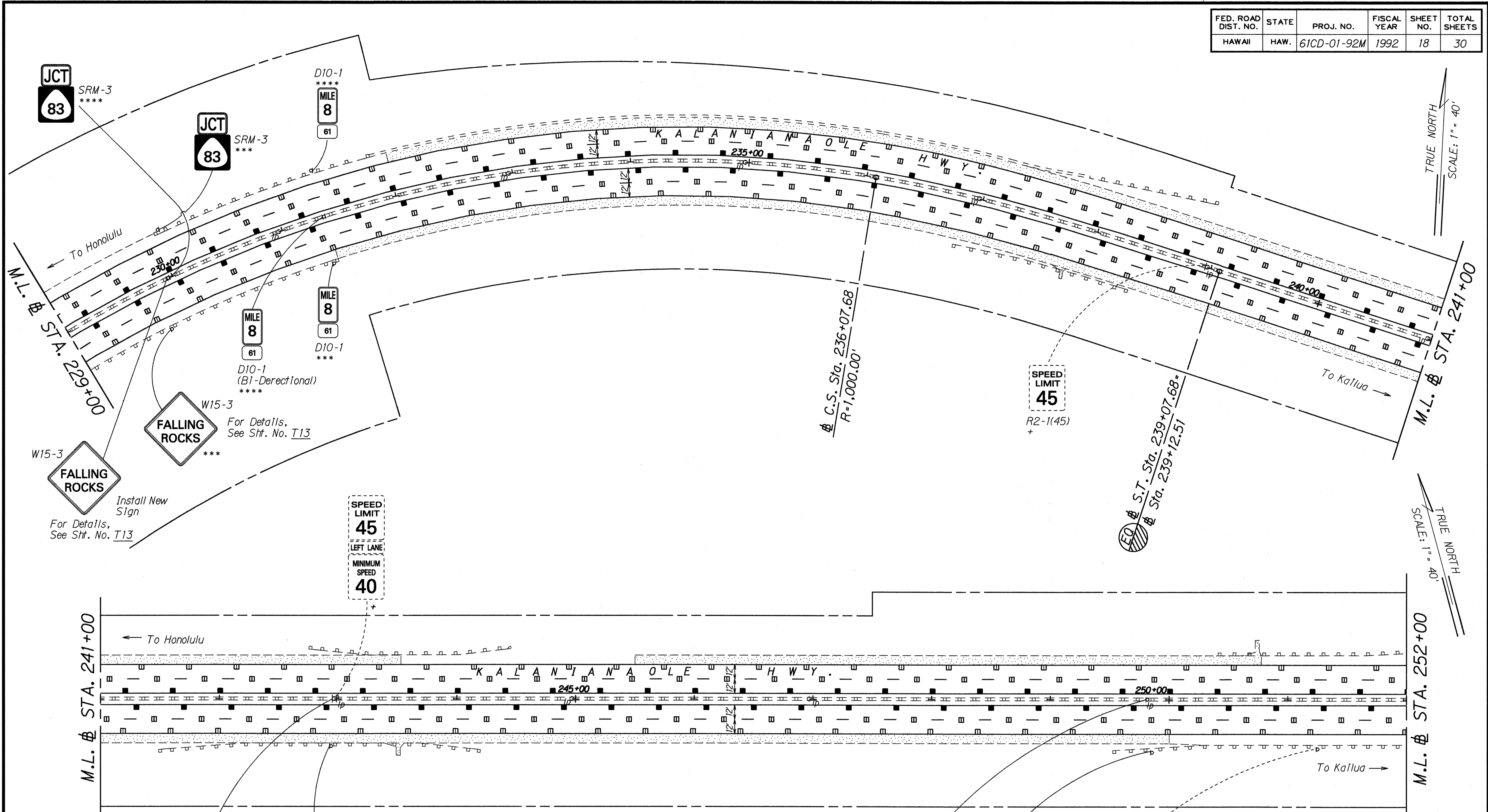
|      |   |      |   |
|------|---|------|---|
| *    | Exist. Sign(s) & Post(s) to Remain                            | ##   | Remove Exist. Sign(s) & Install New Sign(s) on Exist. Light Standard          |
| **   | Remove Exist. Sign(s) & Post(s)                               | ###  | Install New Sign(s) on Exist. Traffic Signal Standard                         |
| ***  | Remove Exist. Sign(s)/Post(s) & Install New Sign(s) w/Post(s) | #### | Remove Exist. Sign(s) & Install New Sign(s) on Exist. Traffic Signal Standard |
| **** | Install New Sign(s) w/Post(s)                                 | +    | Remove Exist. Sign(s) from Exist. Light Standard or Traffic Signal Standard   |
| #    | Install New Sign(s) on Exist. Light Standard                  |      |   |

| DATE    | REVISION   |
|---------|--|
| 5/27/92 | Pavement Marking & Signing Revised.<br>Location of New Loop Detectors Added. |

|                   |         |
|-------------------|---------|
| SURVEY PLOTTED BY | DATE    |
| DRAWN BY          | 13-3-92 |
| TRACED BY         |         |
| NOTE BOOK         |         |
| QUANTITIES BY     |         |
| CHECKED BY        |         |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING  
Castle Junction to Kawaiauli Bridge  
Project No. 61CD-01-92M  
Scale: 1" = 40' Date: Apr 11, 1992  
SHEET No. 17 OF 16 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 18        | 30           |



TRUE NORTH  
SCALE: 1" = 40'

TRUE NORTH  
SCALE: 1" = 40'

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

W15-3  
**FALLING ROCKS**  
\*\*\*  
For Details, See Sht. No. T13

W15-3  
**FALLING ROCKS**  
\*\*\*  
Install New Sign  
For Details, See Sht. No. T13

**SPEED LIMIT 45**  
LEFT LANE  
**MINIMUM SPEED 40**

W15-3  
#  
**FALLING ROCKS**  
For Def. See Sht. no. T13

W15-3  
\*\*\*  
**FALLING ROCKS**  
For Def. See Sht. no. T13

**KEY:**

- \* Exist. Sign(s) & Post(s) to Remain
- \*\* Remove Exist. Sign(s) & Post(s)
- \*\*\* Remove Exist. Sign(s)/Post(s) & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s)
- # Install New Sign(s) on Exist. Light Standard
- ## Remove Exist. Sign(s) & Install New Sign(s) on Exist. Light Standard
- ### Install New Sign(s) on Exist. Traffic Signal Standard
- #### Remove Exist. Sign(s) & Install New Sign(s) on Exist. Traffic Signal Standard
- + Remove Exist. Sign(s) from Exist. Light Standard or Traffic Signal Standard



| 5/27/92 | Pavement Marking & Signing Revised |
|---------|------------------------------------|
| DATE    | REVISION                           |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING & SIGNING PLAN**

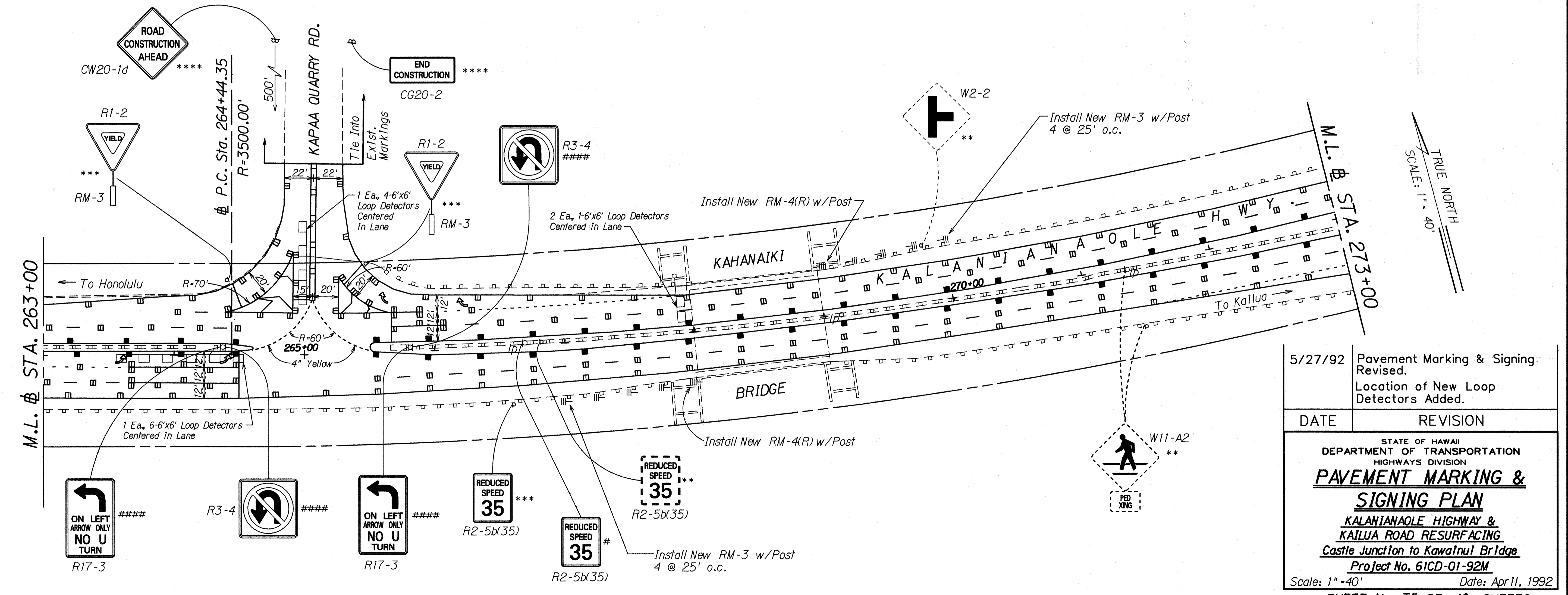
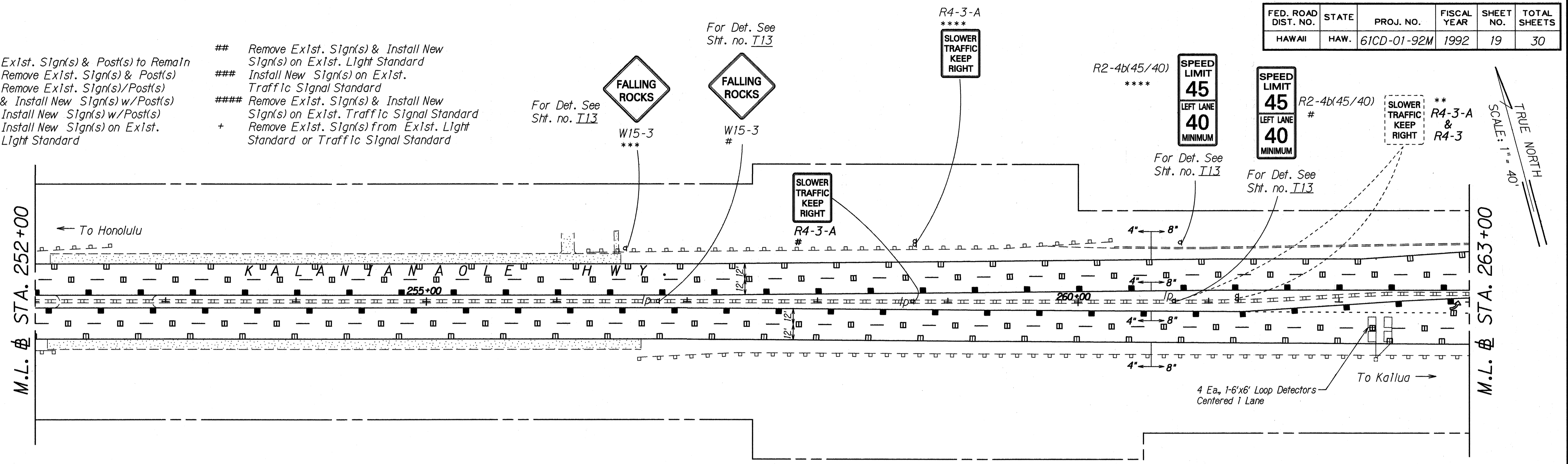
**KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING**  
Castle Junction to Kawaunui Bridge  
Project No. 61CD-01-92M

Scale: 1" = 40' Date: April, 1992  
SHEET No. T4 OF 16 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 19        | 30           |

**KEY:**

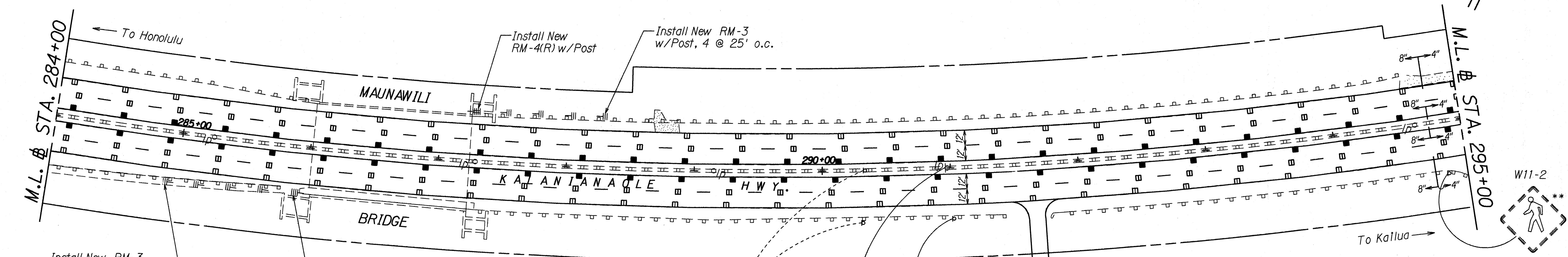
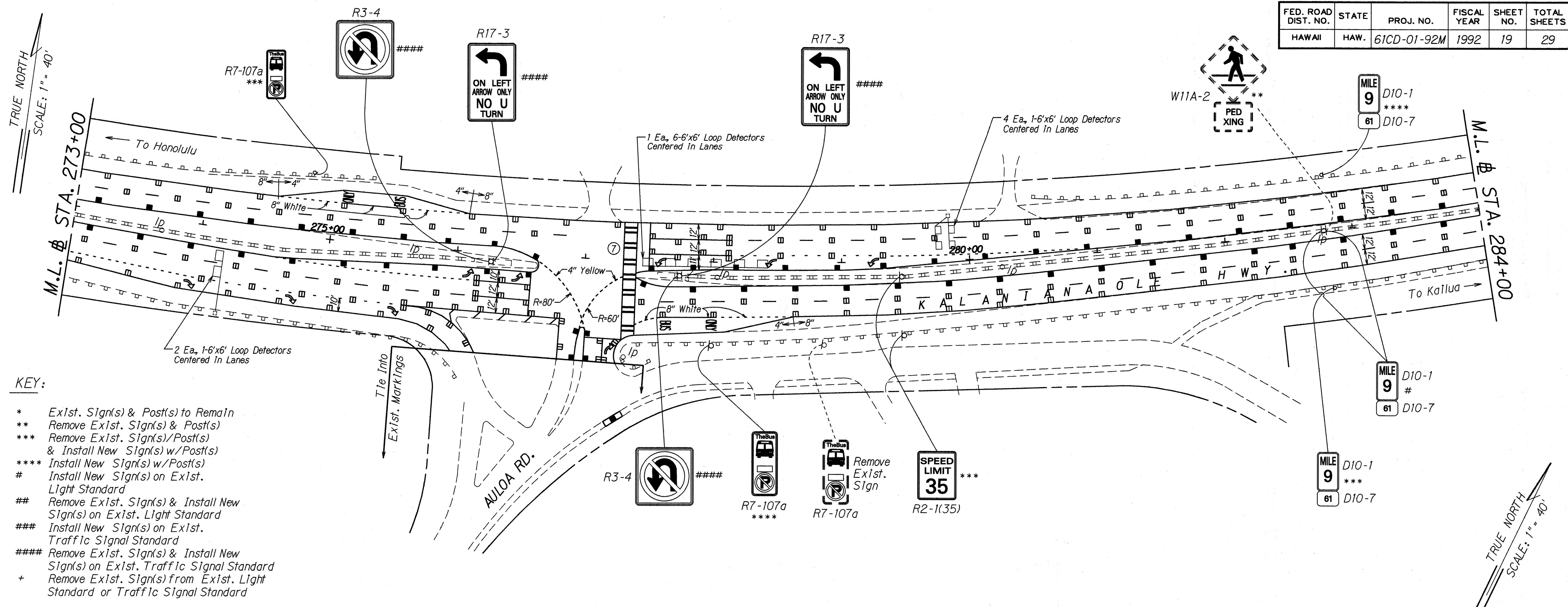
- \* Exlst. Sign(s) & Post(s) to Remain
- \*\* Remove Exlst. Sign(s) & Post(s)
- \*\*\* Remove Exlst. Sign(s)/Post(s) & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s)
- # Install New Sign(s) on Exlst. Light Standard
- ## Remove Exlst. Sign(s) & Install New Sign(s) on Exlst. Light Standard
- ### Install New Sign(s) on Exlst. Traffic Signal Standard
- #### Remove Exlst. Sign(s) & Install New Sign(s) on Exlst. Traffic Signal Standard
- + Remove Exlst. Sign(s) from Exlst. Light Standard or Traffic Signal Standard



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

|   |  |
|---|--|
| 5/27/92   | Pavement Marking & Signing Revised.<br>Location of New Loop Detectors Added. |
| DATE  | REVISION   |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>PAVEMENT MARKING &amp; SIGNING PLAN</b><br>KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING<br>Castle Junction to Kawaiul Bridge<br>Project No. 61CD-01-92M<br>Scale: 1" = 40' Date: April, 1992<br>SHEET No. 15 OF 16 SHEETS |  |

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 19        | 29           |



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

| DATE    | REVISION   |
|---------|--|
| 5/27/92 | Pavement Marking & Signing Revised.<br>Location of New Loop Detectors Added. |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING & SIGNING PLAN**

**KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING**

Castle Junction to Kawaiauli Bridge

Project No. 61CD-01-92M

Scale: 1" = 40' Date: April, 1992

SHEET No. 16 OF 16 SHEETS

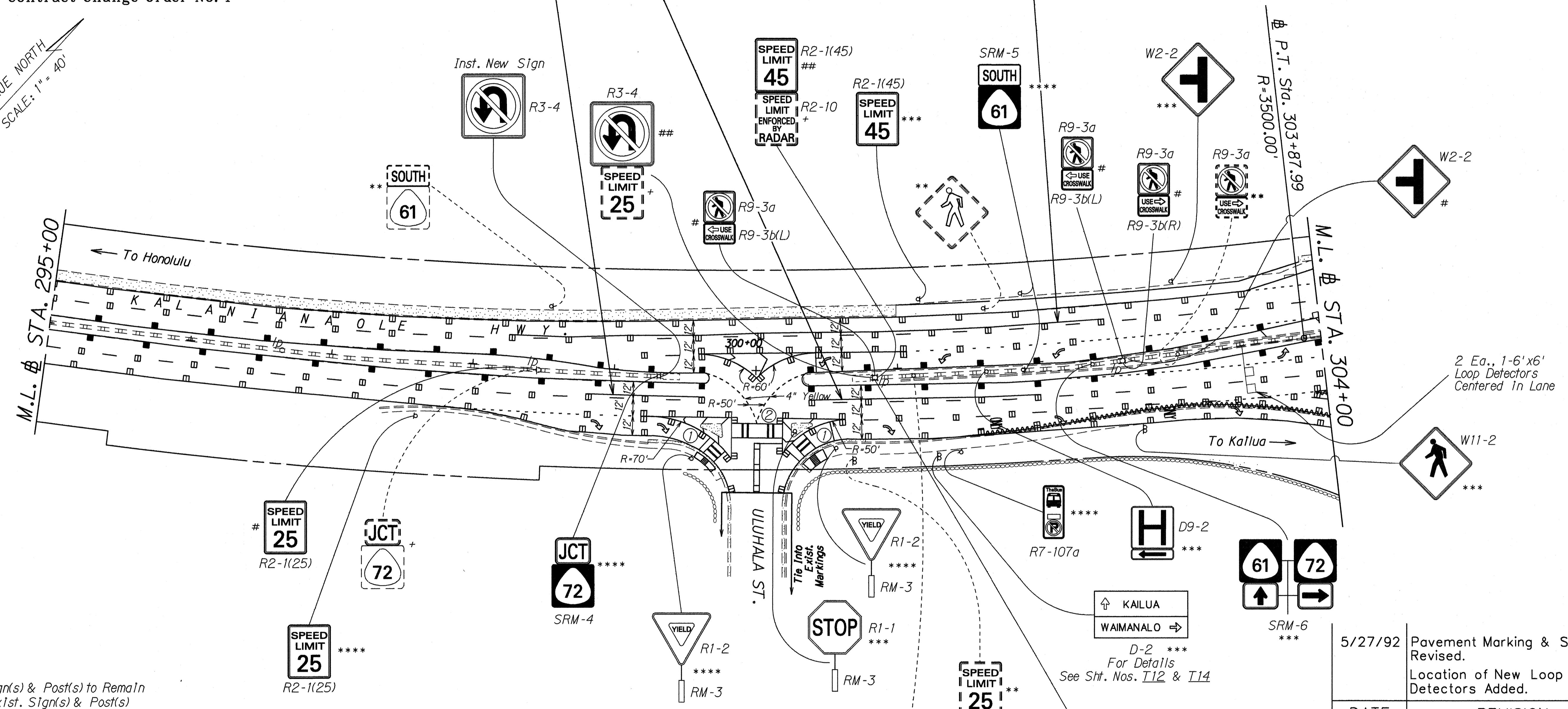
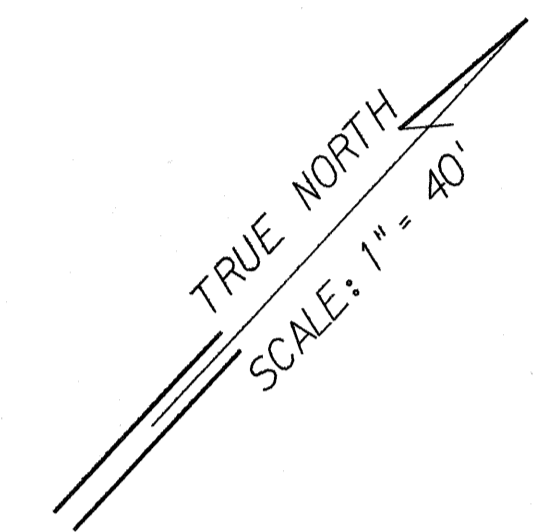
| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 21        | 30           |

**LEGEND FOR AS-BUILT POSTINGS**

|         |                                     |
|---------|-------------------------------------|
|         | Squiggly line for as-built deletion |
|         | Double line for as-built deletion   |
| Roadway | Text for as-built posting           |

**Change Striping to Lane Change Restriction Marking Additional**  
 410' of 4" White Stripe (Tape, Type I or Thermoplastic Extrusion)  
 10 "CL" Raised Pavement Markers  
 Contract Change Order No. 1

**Change Striping to Lane Change Restriction Marking Additional**  
 250' of 4" White Stripe (Tape, Type I or Thermoplastic Extrusion)  
 6 "CL" Raised Pavement Markers  
 Contract Change Order No. 1



2 Ea., 1-6' x 6' Loop Detectors Centered in Lane

**KEY:**

- \* Exlst. Sign(s) & Post(s) to Remain
- \*\* Remove Exlst. Sign(s) & Post(s)
- \*\*\* Remove Exlst. Sign(s)/Post(s) & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s)
- # Install New Sign(s) on Exlst. Light Standard
- ## Remove Exlst. Sign(s) & Install New Sign(s) on Exlst. Light Standard
- ### Install New Sign(s) on Exlst. Traffic Signal Standard
- #### Remove Exlst. Sign(s) & Install New Sign(s) on Exlst. Traffic Signal Standard
- + Remove Exlst. Sign(s) from Exlst. Light Standard or Traffic Signal Standard

**Modify Pavement Markings on Kalaniana'ole Hwy. I.B. Rt. Additional (Net)**

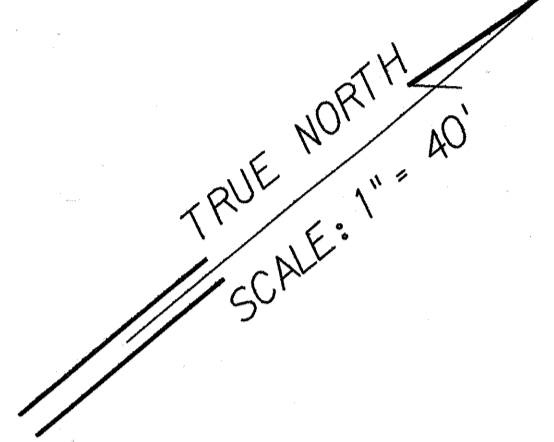
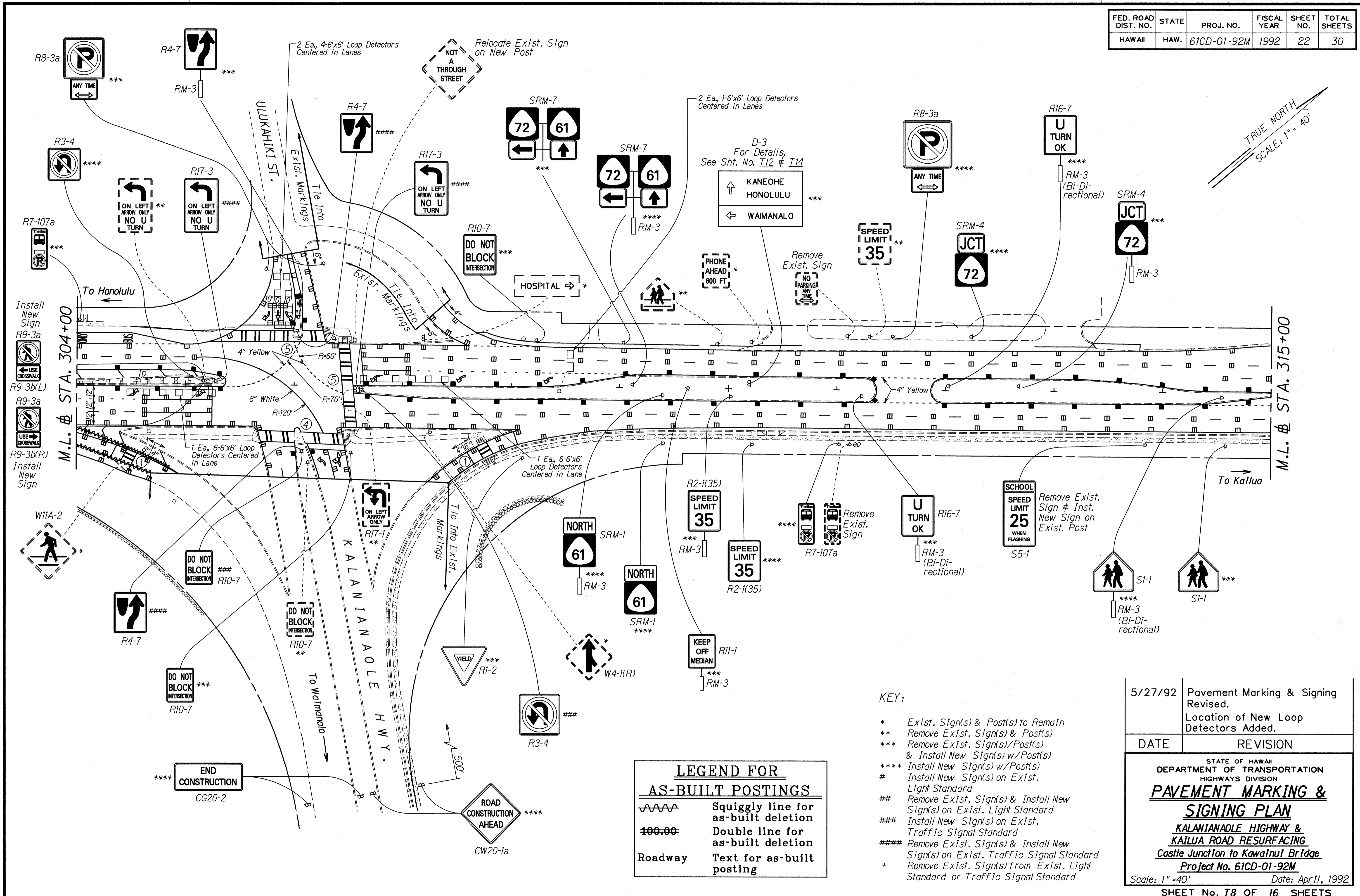
- 20 L.F. 4-Inch Pavement Striping (Tape, Type II or Thermoplastic Extrusion)
  - 40 L.F. 8-Inch Pavement Striping (Tape, Type II or Thermoplastic Extrusion)
  - 3 EA. Pavement Arrow (Tape, Type I or Thermoplastic Extrusion)
  - 2 EA. Pavement Word (Tape, Type I or Thermoplastic Extrusion)
  - 24 EA. Type "A" Pavement Markers
  - 14 EA. Type "CL" Pavement Markers
- Contract Change Order No. 1

|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| NOTED BY      | DATE |
| DESIGNED BY   | DATE |
| QUANTITIES BY | DATE |
| CHECKED BY    | DATE |

| DATE    | REVISION   |
|---------|--|
| 5/27/92 | Pavement Marking & Signing Revised.<br>Location of New Loop Detectors Added. |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
 KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING  
 Castle Junction to Kawa'ne'i Bridge  
 Project No. 61CD-01-92M  
 Scale: 1" = 40' Date: April, 1992  
 SHEET No. 77 OF 16 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 22        | 30           |



Install New Sign  
R9-3a  
USE CROSSWALK  
R9-3a  
USE CROSSWALK  
R9-3a  
USE CROSSWALK  
R9-3a(R)  
Install New Sign

**LEGEND FOR AS-BUILT POSTINGS**

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway Text for as-built posting

**KEY:**

- \* Exist. Sign(s) & Post(s) to Remain
- \*\* Remove Exist. Sign(s) & Post(s)
- \*\*\* Remove Exist. Sign(s)/Post(s) & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s)
- # Install New Sign(s) on Exist. Light Standard
- ## Remove Exist. Sign(s) & Install New Sign(s) on Exist. Light Standard
- ### Install New Sign(s) on Exist. Traffic Signal Standard
- #### Remove Exist. Sign(s) & Install New Sign(s) on Exist. Traffic Signal Standard
- + Remove Exist. Sign(s) from Exist. Light Standard or Traffic Signal Standard

| 5/27/92  | Pavement Marking & Signing Revised.<br>Location of New Loop Detectors Added. |
|--|--|
| DATE   | REVISION   |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>PAVEMENT MARKING &amp; SIGNING PLAN</b><br>KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING<br>Castle Junction to Kawaunui Bridge<br>Project No. 61CD-01-92M<br>Scale: 1" = 40' Date: April, 1992<br>SHEET No. 28 OF 16 SHEETS |  |

DATE: 4/23/94

SURVEY PLOTTED BY: [ ]

DRAWN BY: [ ]

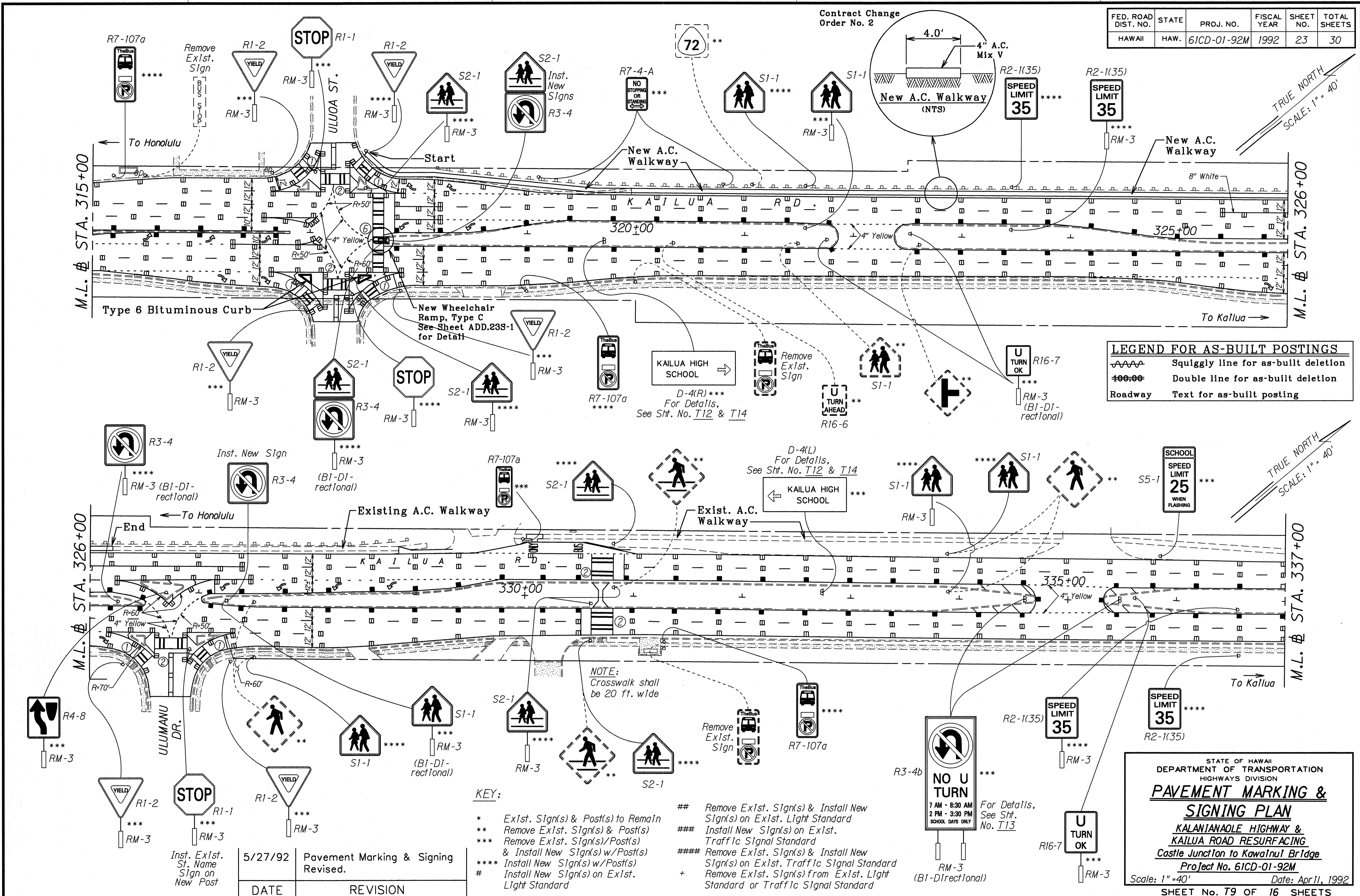
TRACED BY: [ ]

NOTED BY: [ ]

QUANTITIES BY: [ ]

CHECKED BY: [ ]

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 23        | 30           |



**LEGEND FOR AS-BUILT POSTINGS**

|  |                                     |
|--|-------------------------------------|
|  | Squiggly line for as-built deletion |
|  | Double line for as-built deletion   |
|  | Roadway Text for as-built posting   |

**KEY:**

- \* Exst. Sign(s) & Post(s) to Remain
- \*\* Remove Exst. Sign(s) & Post(s)
- \*\*\* Install New Sign(s) on Exst. Traffic Signal Standard
- \*\*\*\* Remove Exst. Sign(s) & Install New Sign(s) w/Post(s)
- \*\*\*\*\* Install New Sign(s) w/Post(s)
- # Install New Sign(s) on Exst. Light Standard
- ## Remove Exst. Sign(s) & Install New Sign(s) on Exst. Light Standard
- ### Install New Sign(s) on Exst. Traffic Signal Standard
- #### Remove Exst. Sign(s) & Install New Sign(s) on Exst. Traffic Signal Standard
- \*\*\*\*\* Remove Exst. Sign(s) from Exst. Light Standard or Traffic Signal Standard

|                   |           |
|-------------------|-----------|
| DATE              | 10-21-92  |
| SURVEY PLOTTED BY |           |
| DRAWN BY          | John Hill |
| DESIGNED BY       | Traffic   |
| QUANTITIES BY     |           |
| CHECKED BY        |           |
| ORIGINAL PLAN     |           |
| NOTE BOOK         |           |
| DATE              |           |
| NO.               |           |

| DATE    | REVISION                            |
|---------|-------------------------------------|
| 5/27/92 | Pavement Marking & Signing Revised. |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

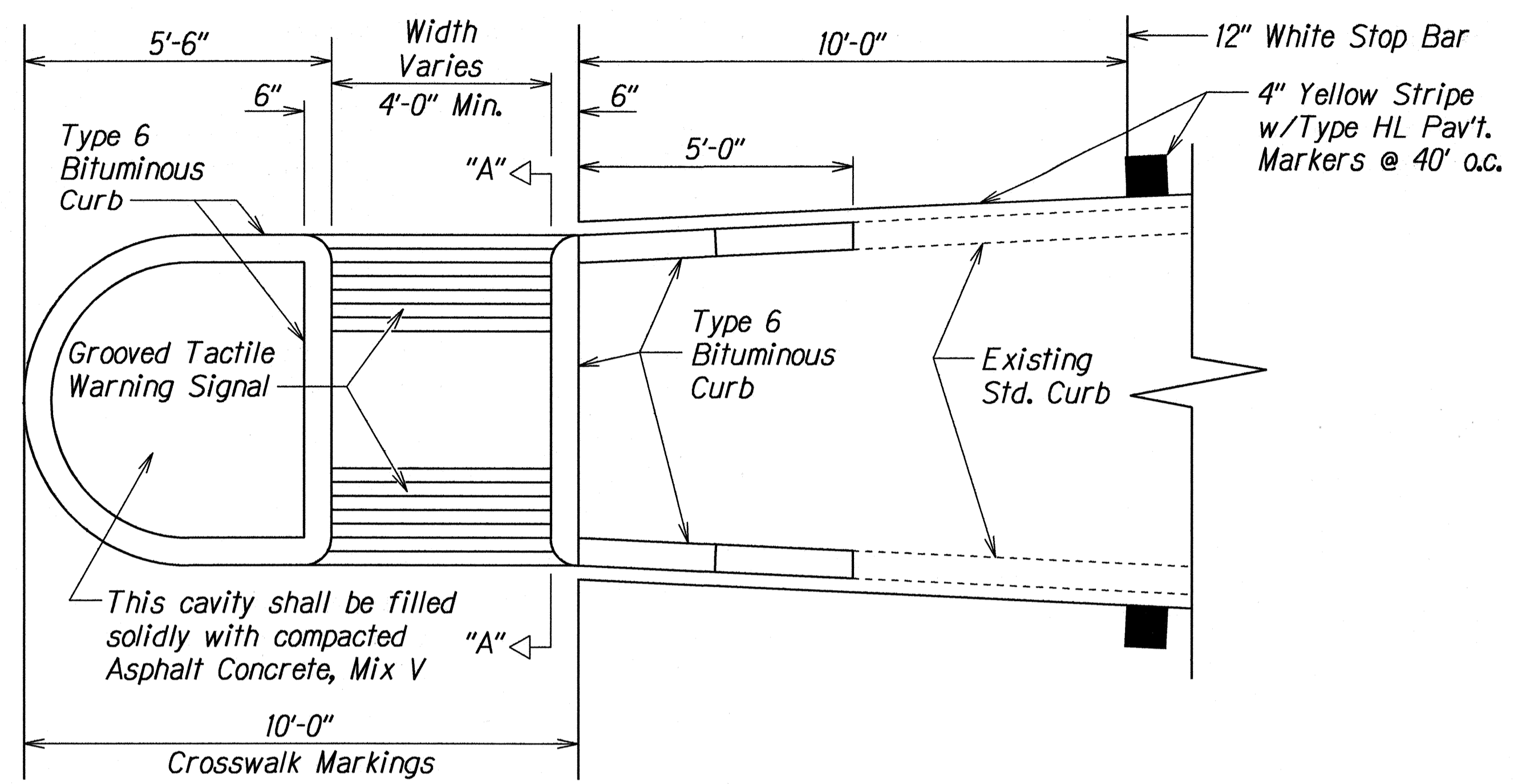
**PAVEMENT MARKING & SIGNING PLAN**

KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING  
Castle Junction to Kawaiauli Bridge  
Project No. 61CD-01-92M

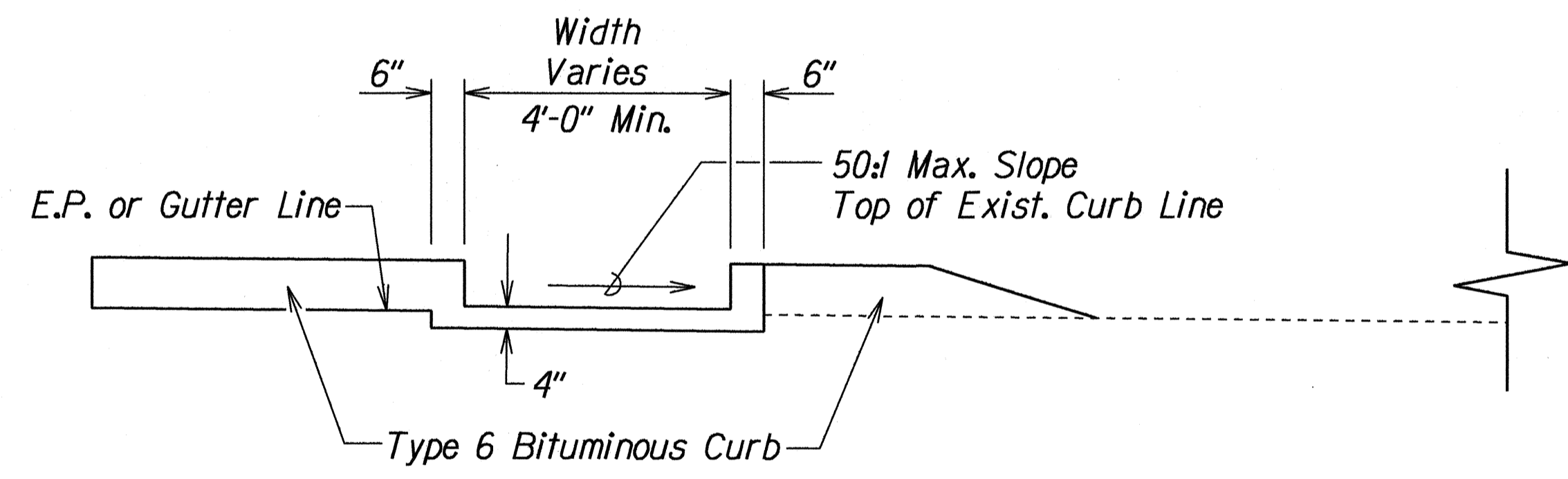
Scale: 1"=40' Date: April, 1992  
SHEET No. T9 OF 16 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 23S-1     | 30           |

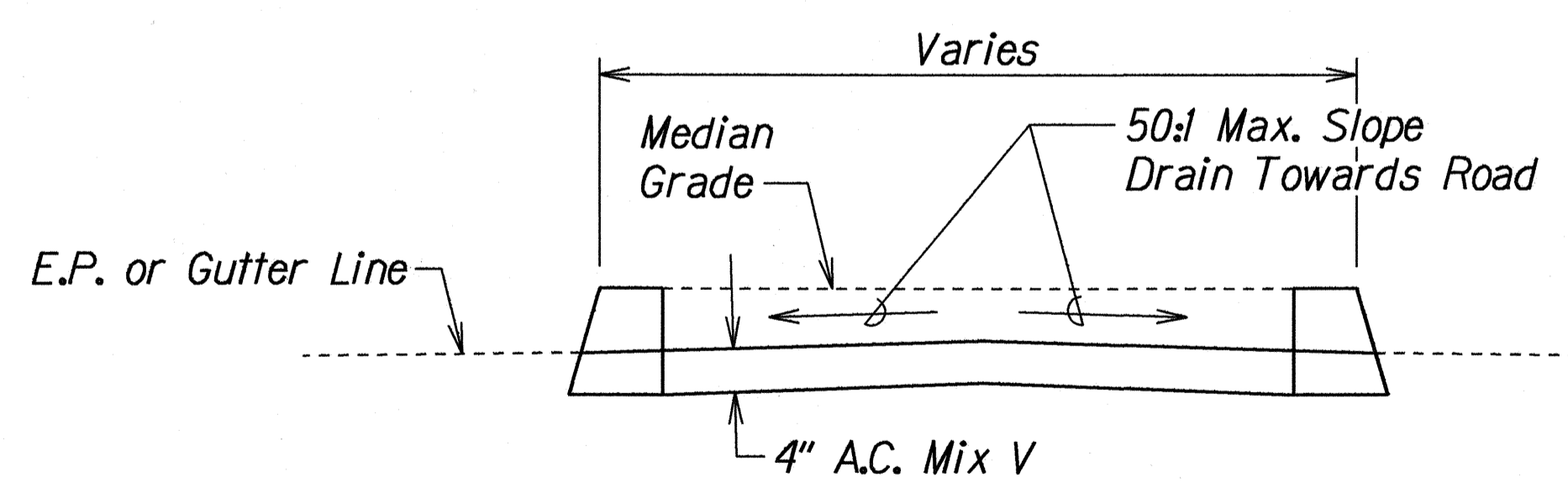
Contract Change Order No. 2



PLAN



ELEVATION



SECTION "A-A"

WHEELCHAIR RAMP - TYPE "C"  
 USE AT MEDIAN CROSSINGS, ISLANDS  
 Not to Scale

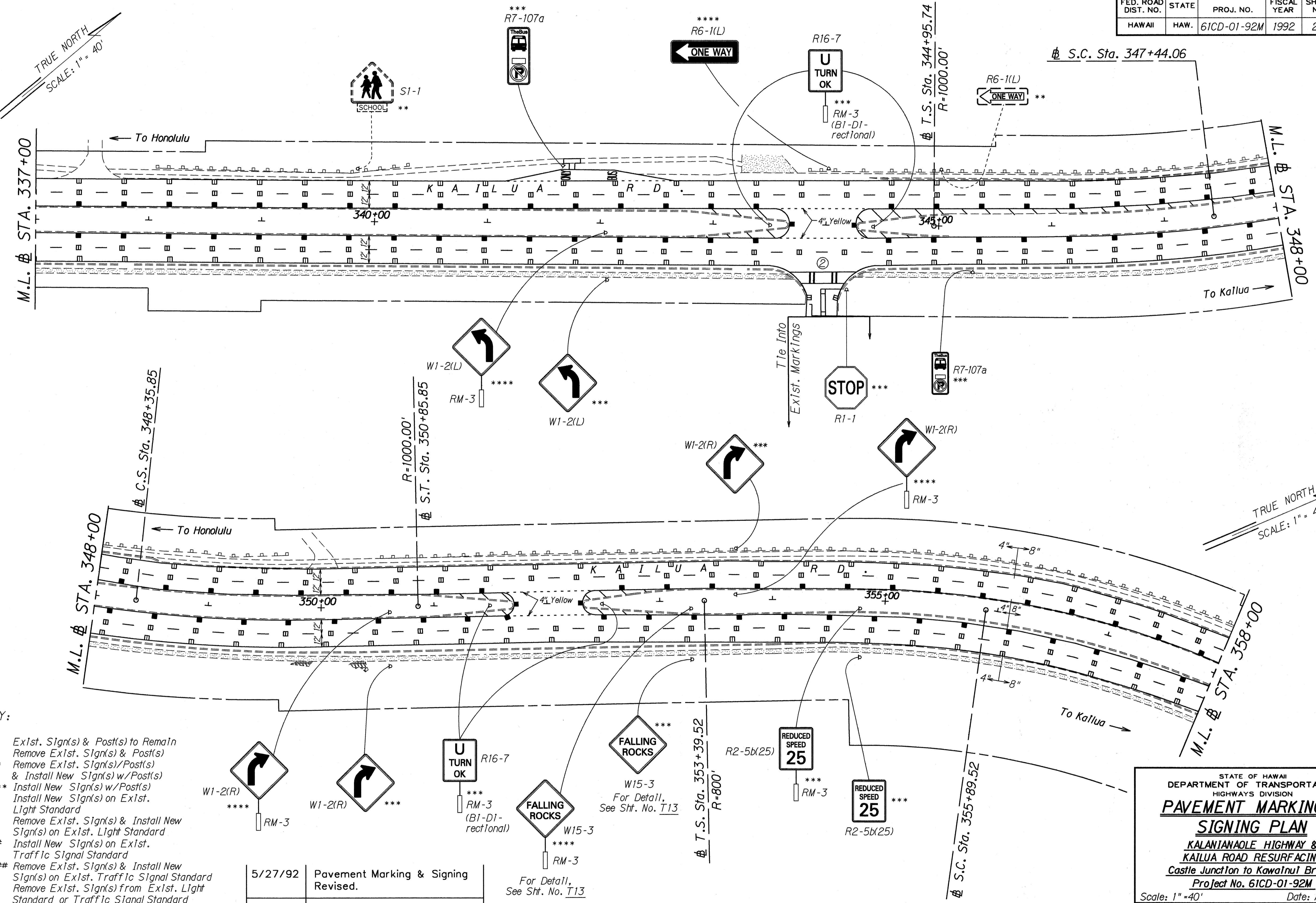
|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| DATE              |      |
| NO.     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

Note: This tracing prepared during "As-Built" posting.

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
 KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING  
 Castle Junction to Kawaiauli Bridge  
 Project No. 61CD-01-92M  
 Scale: 1" = 40' Date: Apr 11, 1992  
 SHEET No. 1 OF 1 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 24        | 30           |

TRUE NORTH  
SCALE: 1" = 40'



**KEY:**

- \* Exist. Sign(s) & Post(s) to Remain
- \*\* Remove Exist. Sign(s) & Post(s)
- \*\*\* Remove Exist. Sign(s)/Post(s) & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s) on Exist. Light Standard
- # Install New Sign(s) on Exist. Light Standard
- ## Remove Exist. Sign(s) & Install New Sign(s) on Exist. Light Standard
- ### Install New Sign(s) on Exist. Traffic Signal Standard
- #### Remove Exist. Sign(s) & Install New Sign(s) on Exist. Traffic Signal Standard
- ##### Remove Exist. Sign(s) from Exist. Light Standard or Traffic Signal Standard
- + Remove Exist. Sign(s) from Exist. Light Standard or Traffic Signal Standard

| 5/27/92 | Pavement Marking & Signing Revised. |
|---------|-------------------------------------|
| DATE    | REVISION                            |

For Detail, See Sht. No. T13

For Detail, See Sht. No. T13

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

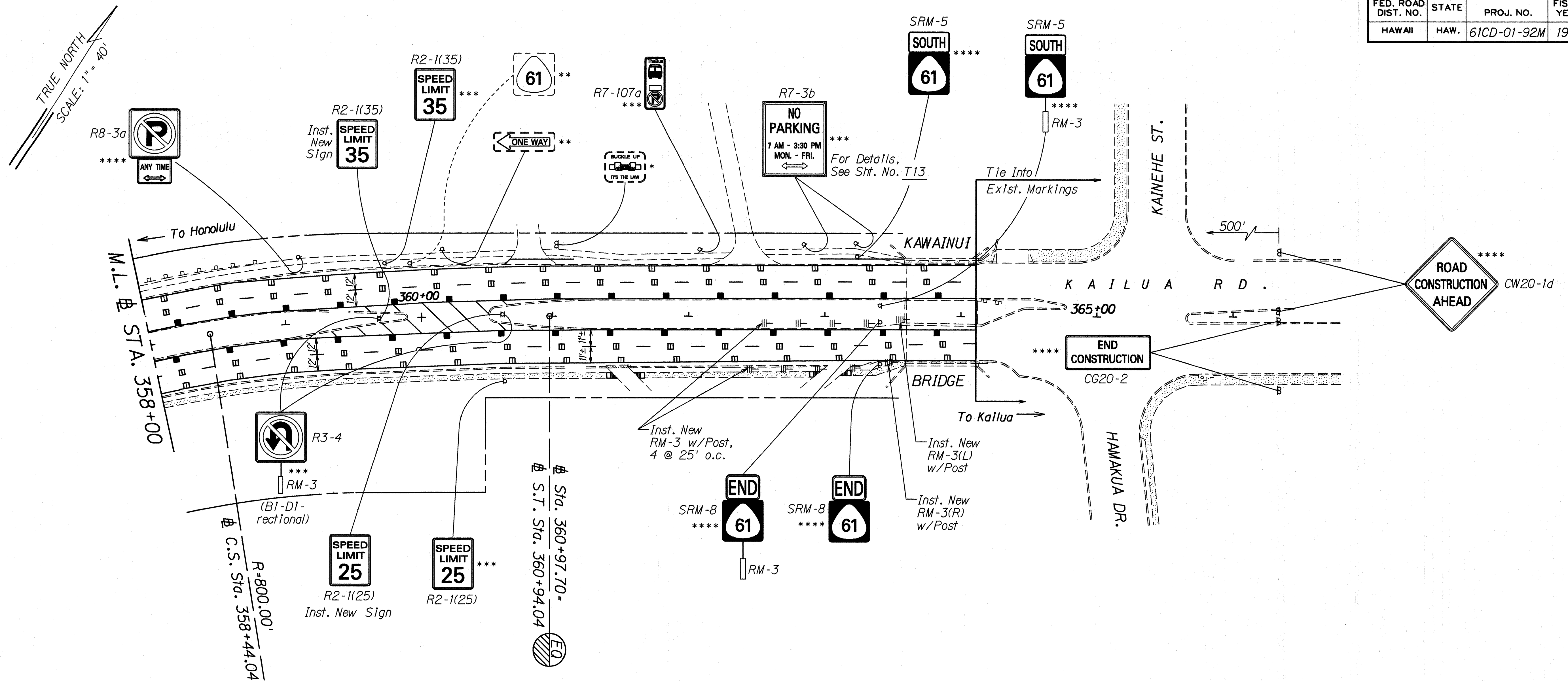
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAVEMENT MARKING & SIGNING PLAN**

**KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING**  
Castle Junction to Kawaihi Bridge  
Project No. 61CD-01-92M

Scale: 1" = 40' Date: April, 1992  
SHEET No. T10 OF 16 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 25        | 30           |



**KEY:**

- \* Exist. Sign(s) & Post(s) to Remain
- \*\* Remove Exist. Sign(s) & Post(s)
- \*\*\* Remove Exist. Sign(s)/Post(s) & Install New Sign(s) w/Post(s)
- \*\*\*\* Install New Sign(s) w/Post(s)
- # Install New Sign(s) on Exist. Light Standard
- ## Remove Exist. Sign(s) & Install New Sign(s) on Exist. Light Standard
- ### Install New Sign(s) on Exist. Traffic Signal Standard
- #### Remove Exist. Sign(s) & Install New Sign(s) on Exist. Traffic Signal Standard
- + Remove Exist. Sign(s) from Exist. Light Standard or Traffic Signal Standard

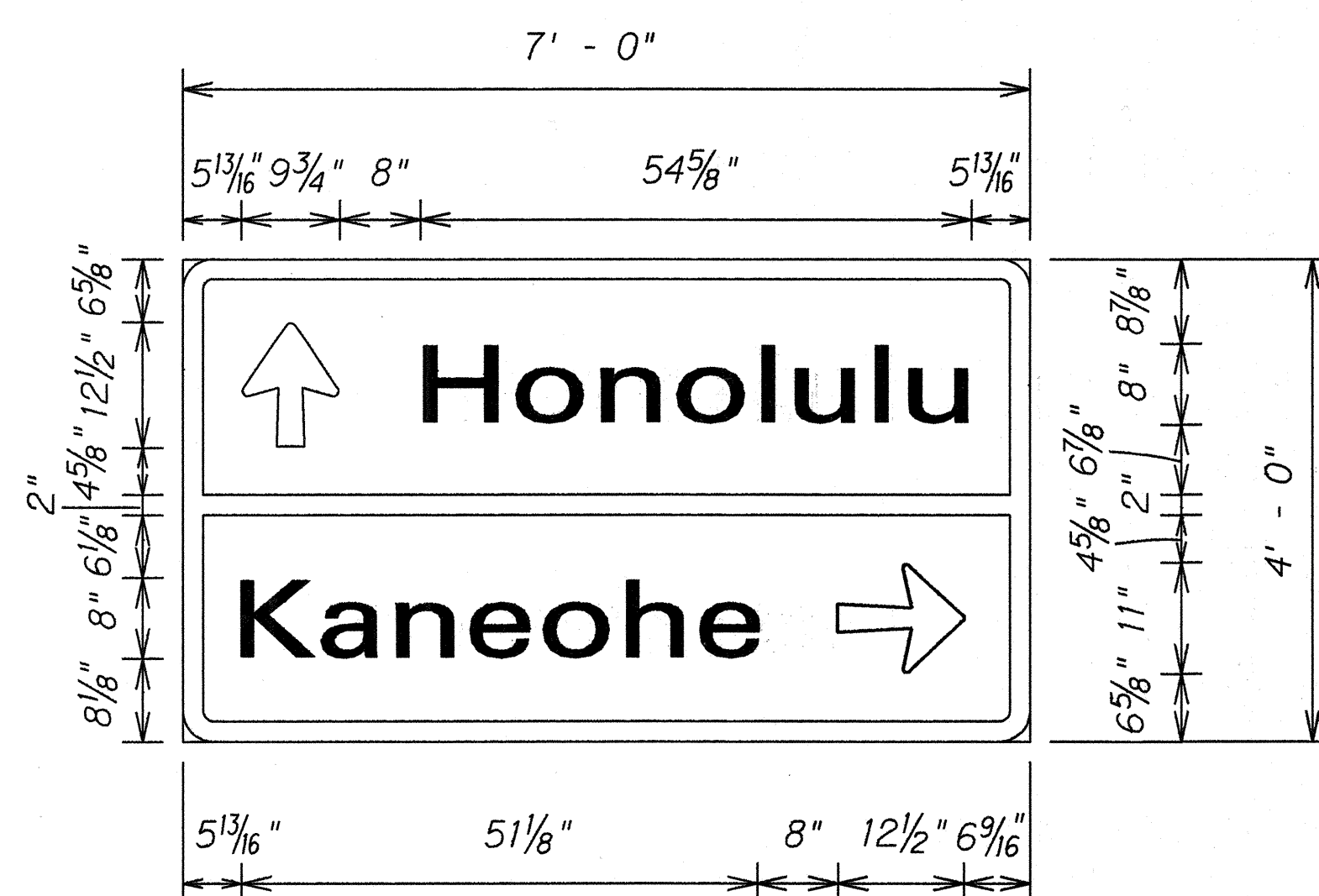
|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| N <sup>o</sup> .  |      |

| 5/27/92 | Pavement Marking & Signing Revised. |
|---------|-------------------------------------|
| DATE    | REVISION                            |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**PAVEMENT MARKING & SIGNING PLAN**  
**KALANIANA'OLE HIGHWAY & KAILUA ROAD RESURFACING**  
Castle Junction to Kawaihuli Bridge  
Project No. 61CD-01-92M

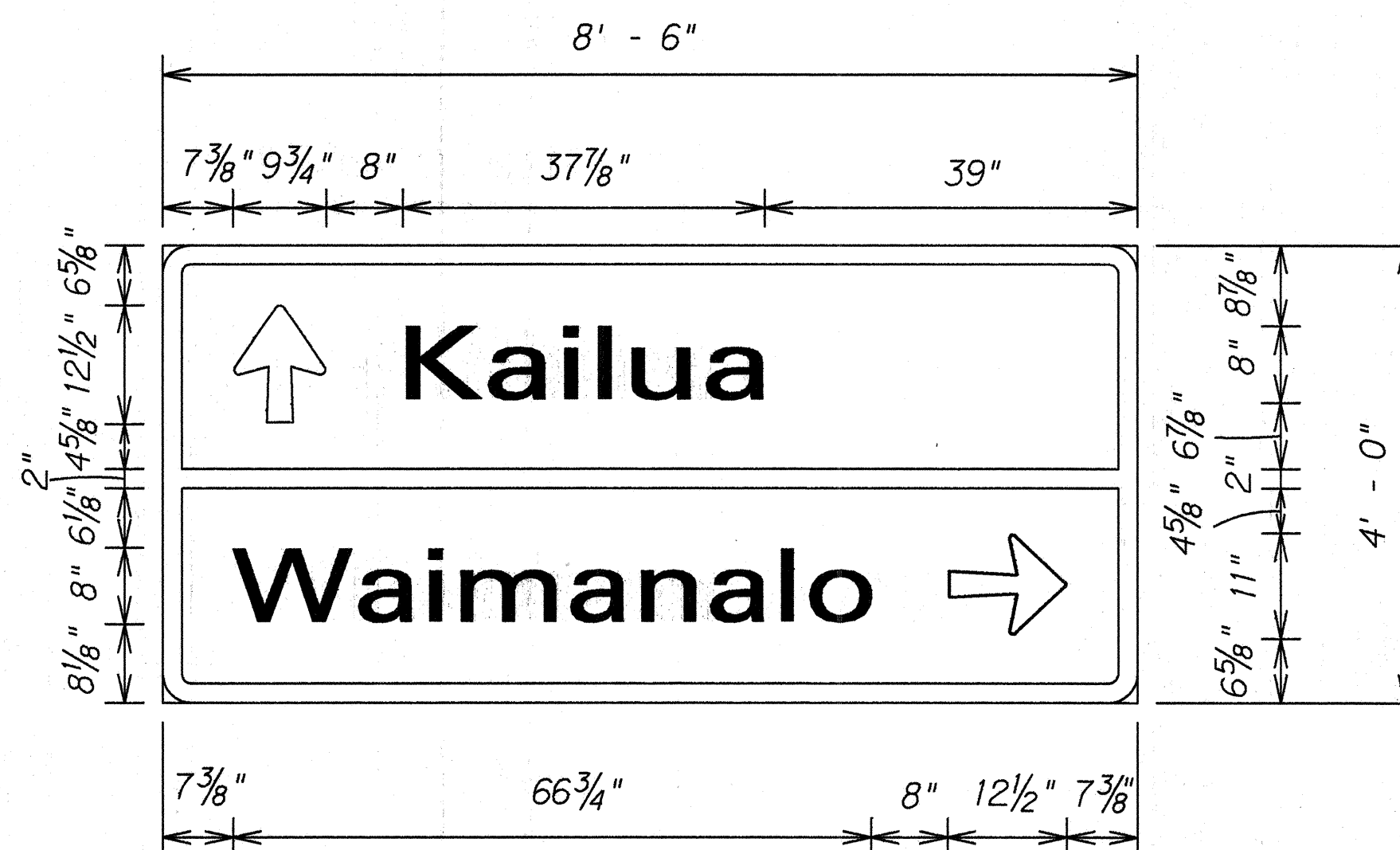
Scale: 1" = 40' Date: April 11, 1992  
SHEET No. 25 OF 16 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 26        | 30           |



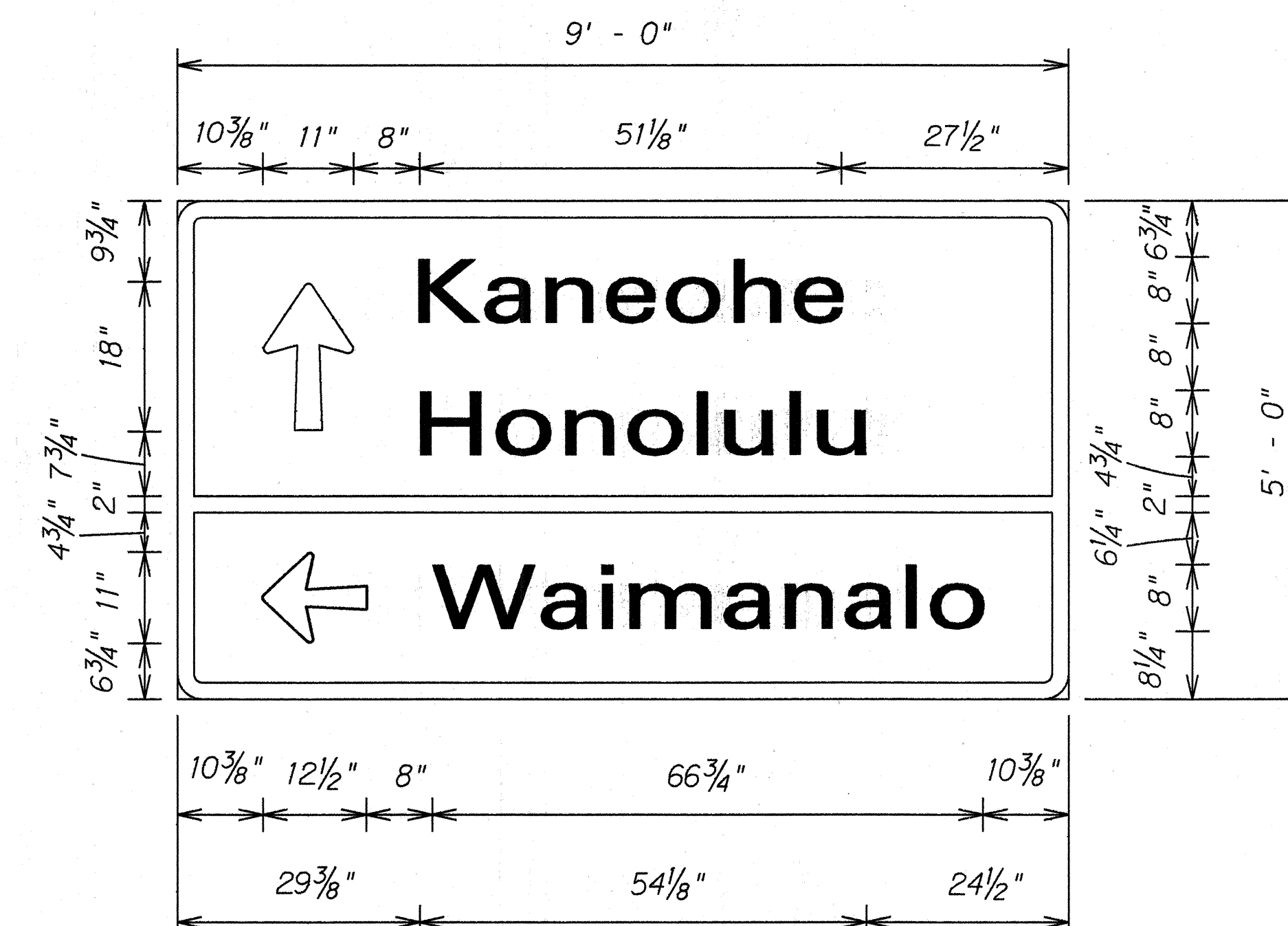
D-1

Scale:  $\frac{3}{4}$ " = 1' - 0"



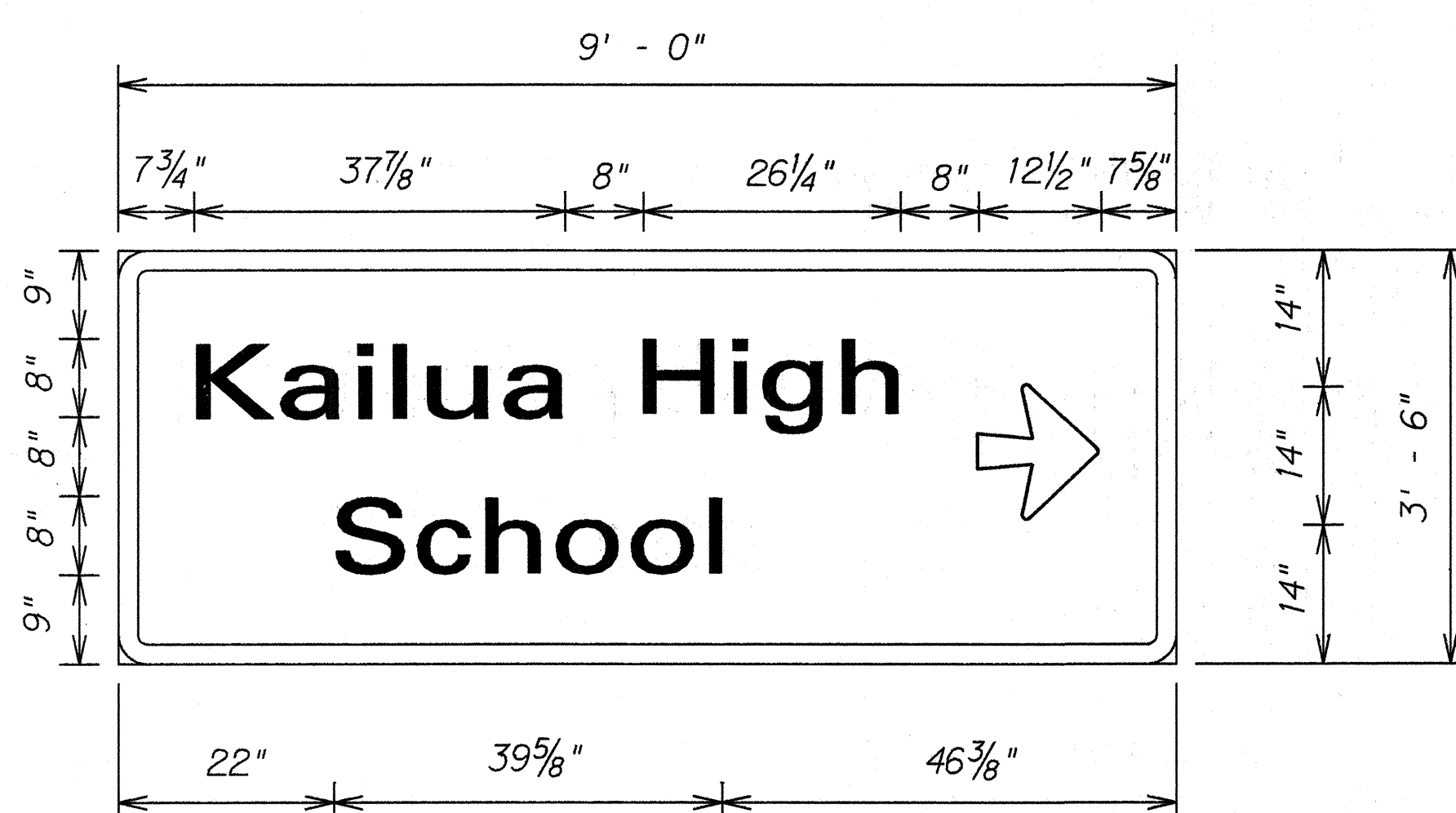
D-2

Scale:  $\frac{3}{4}$ " = 1' - 0"



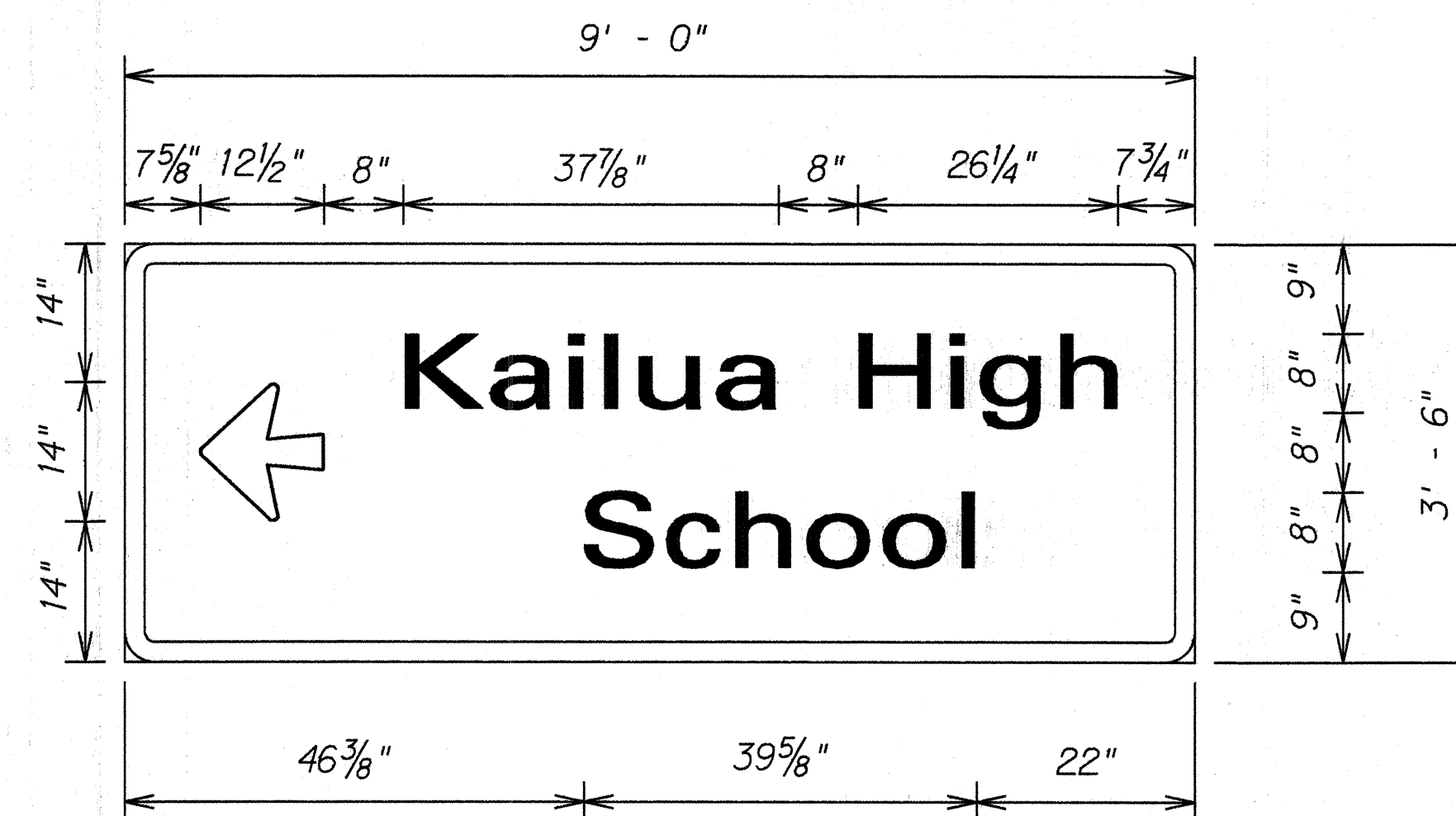
D-3

Scale:  $\frac{3}{4}$ " = 1' - 0"



D-4(R)

Scale:  $\frac{3}{4}$ " = 1' - 0"



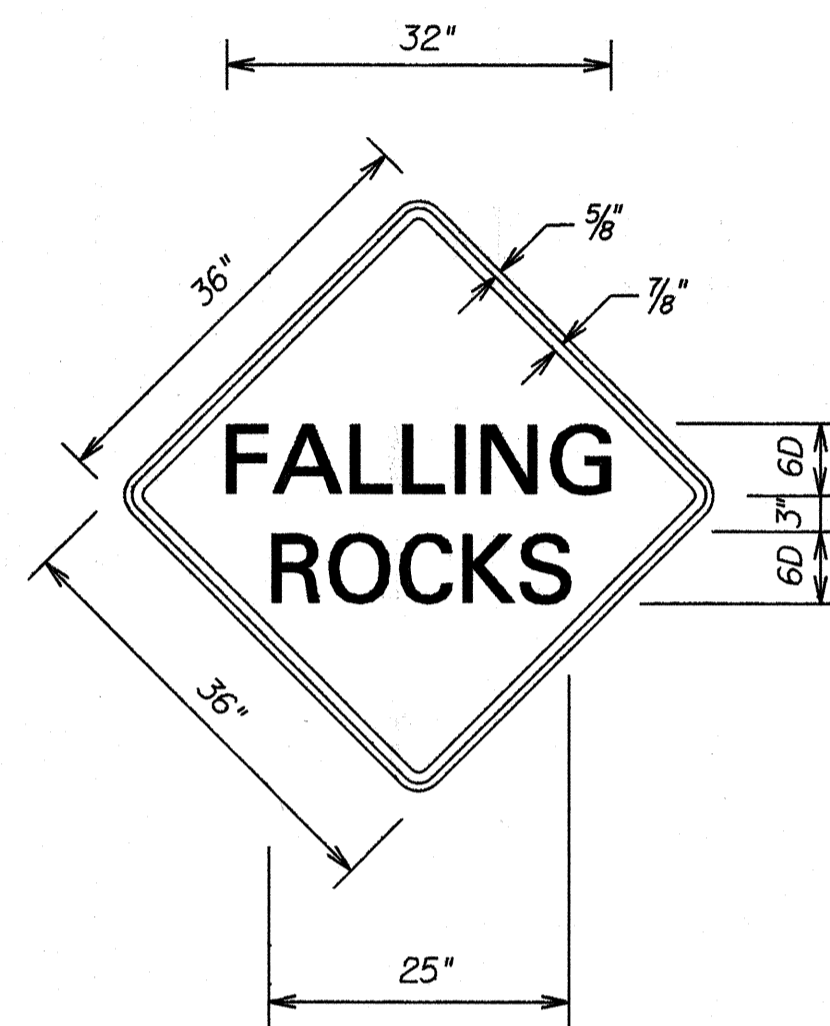
D-4(L)

Scale:  $\frac{3}{4}$ " = 1' - 0"

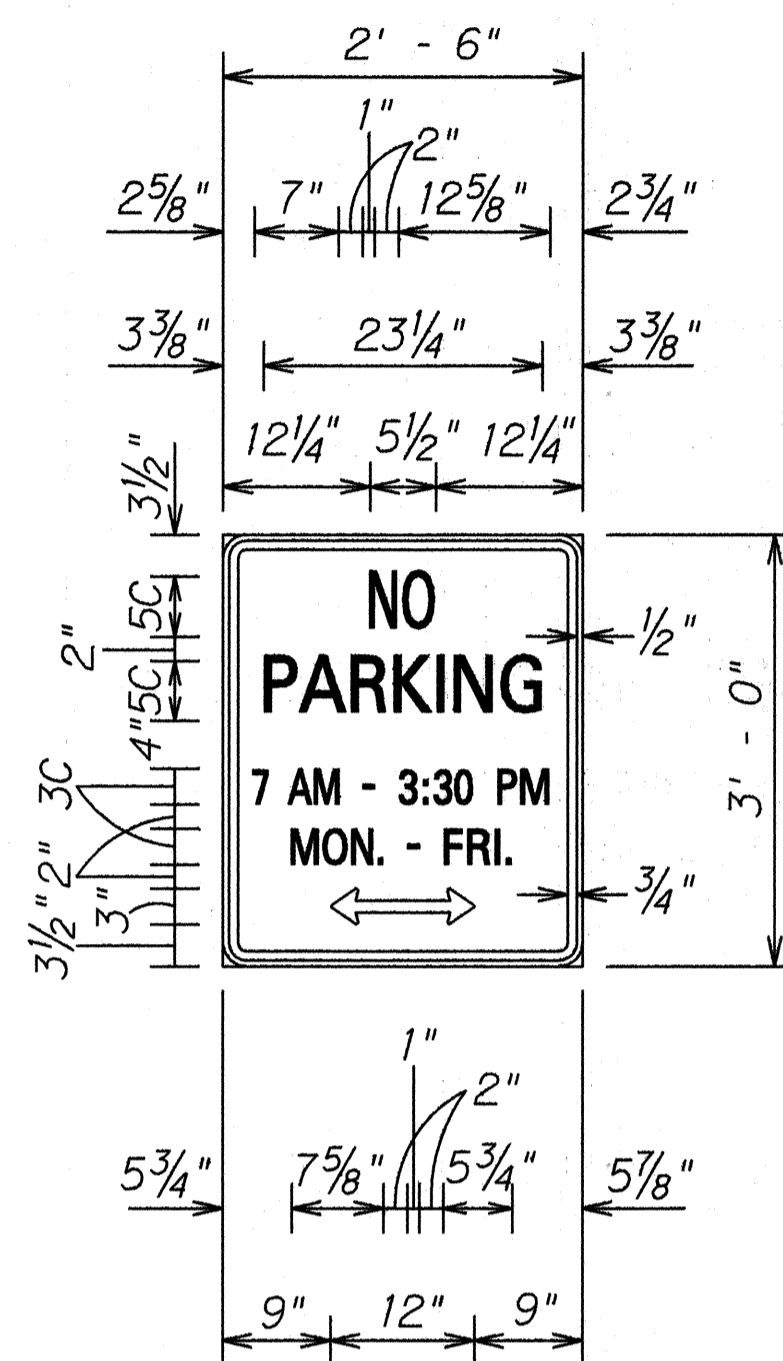
|                   |      |
|-------------------|------|
| ORIGINAL PLAN     | DATE |
| SURVEY PLOTTED BY |      |
| DRAWN BY          |      |
| TRACED BY         |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| No.               |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGN DETAILS**  
KALANIANA'OLE HIGHWAY &  
KAILUA ROAD RESURFACING  
Castle Junction to Kawaʻiuli Bridge  
Project No. 61CD-01-92M  
Scale:  $\frac{3}{4}$ " = 1' - 0" Date: Apr 11, 1992  
SHEET No. T12 OF 16 SHEETS

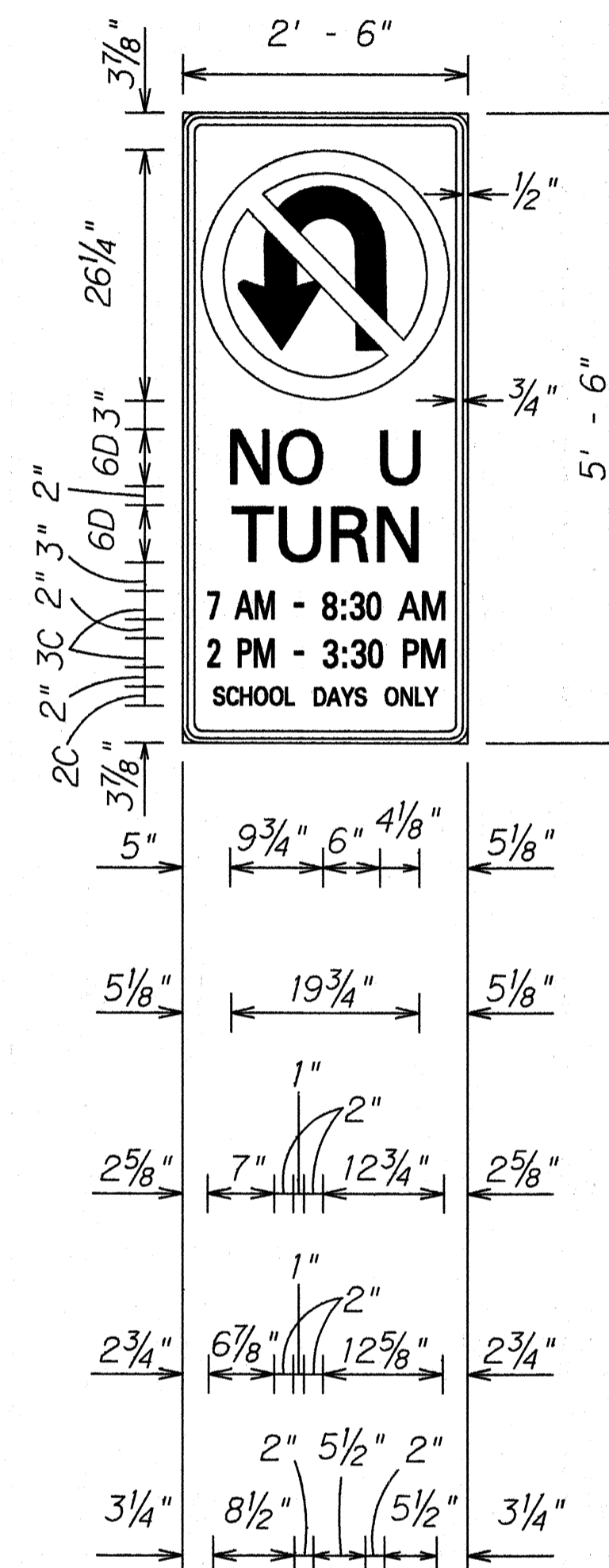
| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 27        | 30           |



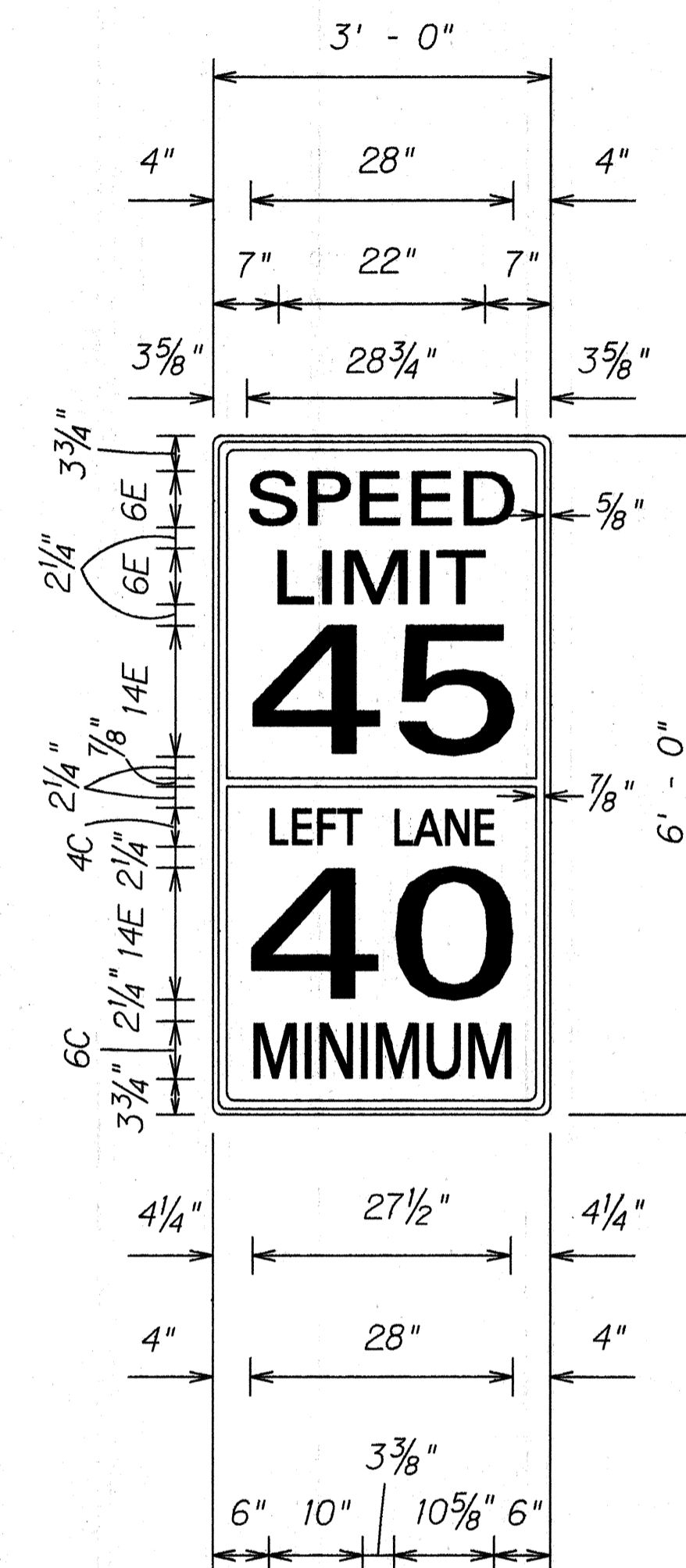
**SIGN W15-3**  
Scale: 1" = 1' - 0"



**R7-3b**  
Scale: 3/4" = 1' - 0"



**R3-4b**  
Scale: 3/4" = 1' - 0"



**R2-4b(45/40)**  
Scale: 3/4" = 1' - 0"

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

|  |                      |
|--|----------------------|
| 5/27/92  | Sign Details Revised |
| DATE   | REVISION             |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION   |                      |
| <b>SIGN DETAILS</b>  |                      |
| KALANIANA'OLE HIGHWAY &<br>KAILUA ROAD RESURFACING<br>Castle Junction to Kawaiauli Bridge<br>Project No. 61CD-01-92M |                      |
| Scale: As Shown  | Date: April 11, 1992 |
| SHEET No. 113 OF 16 SHEETS   |                      |





| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61CD-01-92M | 1992        | 30        | 30           |

| DESTINATION SIGN SUMMARY |                                      |                   |                          |         |
|--------------------------|--------------------------------------|-------------------|--------------------------|---------|
| SIGN NO.                 | MESSAGE                              | SIZE              | NEW PANEL AREA (SQ. FT.) |         |
|                          |                                      |                   | W/O POST                 | W/POSTS |
| D-1                      | ↑ Honolulu<br>Kaneohe →              | 4' - 0" x 7' - 0" |                          | 28.0    |
| D-2                      | ↑ Kailua<br>Waimanalo →              | 4' - 0" x 8' - 6" |                          | 34.0    |
| D-3                      | ↑ Kaneohe<br>Honolulu<br>← Waimanalo | 5' - 0" x 9' - 0" |                          | 45.0    |
| D-4(R)                   | Kailua High School →                 | 3' - 6" x 9' - 0" |                          | 31.5    |
| D-4(L)                   | ← Kailua High School                 | 3' - 6" x 9' - 0" |                          | 31.5    |
| TOTAL                    |                                      |                   | 0                        | 170.0   |

| REFLECTOR MARKER SUMMARY |          |       |          |       |
|--------------------------|----------|-------|----------|-------|
| TYPE                     | QUANTITY |       |          |       |
|                          | W/ POST  |       | W/O POST |       |
|                          | YELLOW   | WHITE | YELLOW   | WHITE |
| RM-3                     | 24       |       | 75       |       |
| RM-4                     | 6        |       |          |       |
|                          |          |       |          |       |
|                          |          |       |          |       |

| MILEPOST MARKER SUMMARY |         |        |          |                       |
|-------------------------|---------|--------|----------|-----------------------|
| SIGN NO.                | MESSAGE | W/POST | W/O POST | BI-DIRECTIONAL W/POST |
| D10-1                   | MILE 8  | 2      |          | 1                     |
| D10-1                   | MILE 9  | 2      | 2        |                       |
| TOTAL                   |         | 4      | 2        | 1                     |

| ROUTE MARKER SUMMARY |                                       |                 |          |                 |          |
|----------------------|---------------------------------------|-----------------|----------|-----------------|----------|
| SIGN ASSEMBLY        | SIGN NO. AND MESSAGE                  | TYPE A ASSEMBLY |          | TYPE B ASSEMBLY |          |
|                      |                                       | W/POST          | W/O POST | W/POST          | W/O POST |
| SRM-1                | M3-1<br>M1-6(61)                      | 3               | 1        |                 |          |
| SRM-2                | M1-6(61)   M1-6(83)<br>M6-3   M6-1(R) |                 |          | 2               |          |
| SRM-3                | M2-1<br>M1-6(83)                      | 2               |          |                 |          |
| SRM-4                | M2-1<br>M1-6(72)                      | 3               |          |                 |          |
| SRM-5                | M2-1<br>M1-6(61)                      | 4               |          |                 |          |
| SRM-6                | M1-6(61)   M1-6(72)<br>M6-3   M6-1(R) |                 |          | 1               |          |
| SRM-7                | M1-6(72)   M1-6(61)<br>M6-1(L)   M6-3 |                 |          | 2               |          |
| SRM-8                | M4-6<br>M1-6(61)                      | 2               |          |                 |          |
| TOTAL                |                                       | 14              | 1        | 5               | 0        |

SURVEY PLOTTED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_  
 QUANTITIES BY \_\_\_\_\_  
 ORIGINAL PLAN \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 No. \_\_\_\_\_

|  |  |
|--|--|
| 5/27/92  | Reflector Marker & Route Marker Summary Revised. |
| DATE   | REVISION   |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>TRAFFIC SUMMARIES</b><br>KALANIANA'OLE HIGHWAY &<br>KAILUA ROAD RESURFACING<br>Castle Junction to Kawaʻiuli Bridge<br>Project No. 61CD-01-92M<br>Scale: As Shown Date: April 11, 1992<br>SHEET No. T16 OF 16 SHEETS |  |