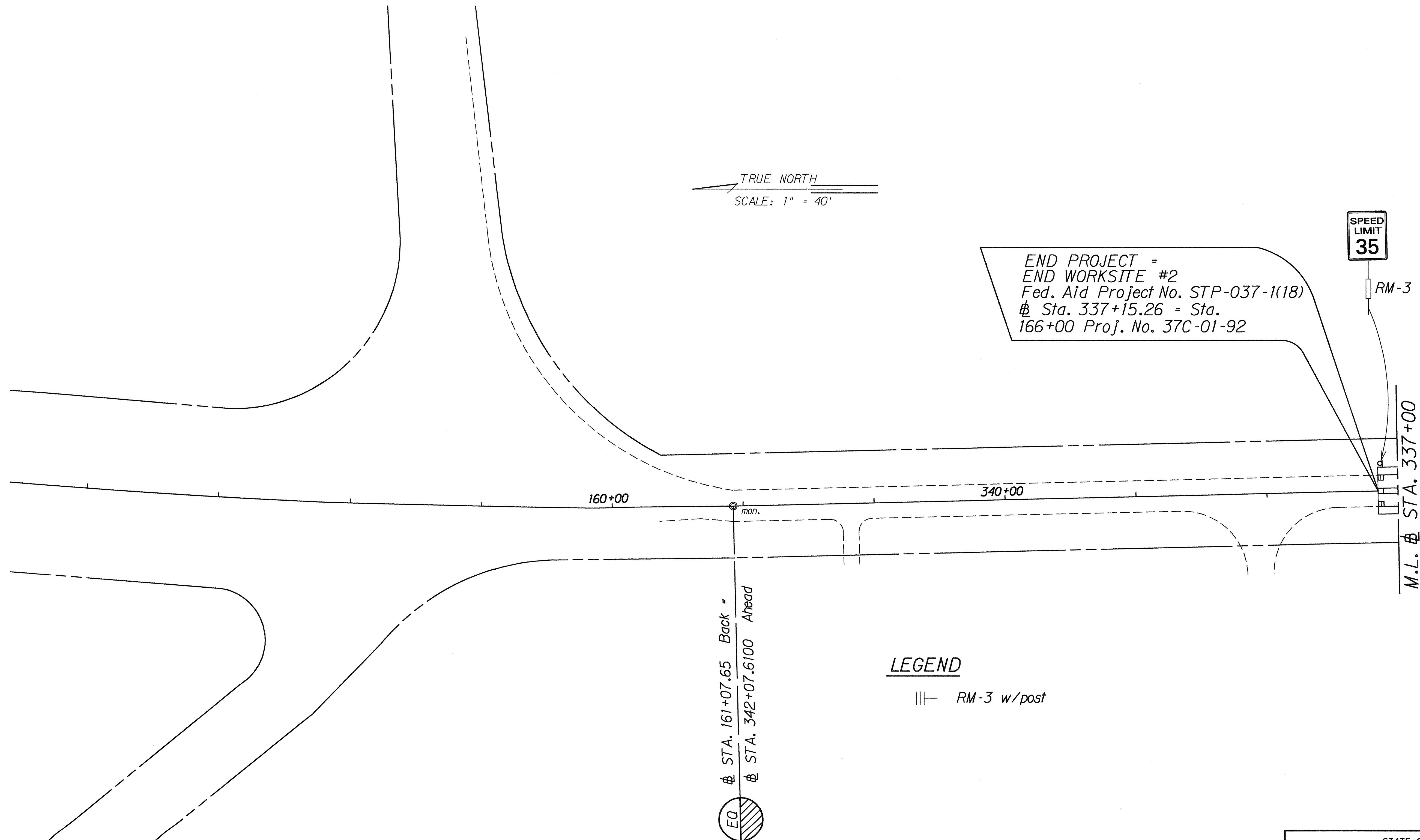


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 25        | 35           |



|               |                   |         |
|---------------|-------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE    |
| NOTE BOOK     | DRAWN BY          |         |
|               | DESIGNED BY       |         |
|               | CHECKED BY        |         |
|               | CHECKED BY        | 4-29-93 |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

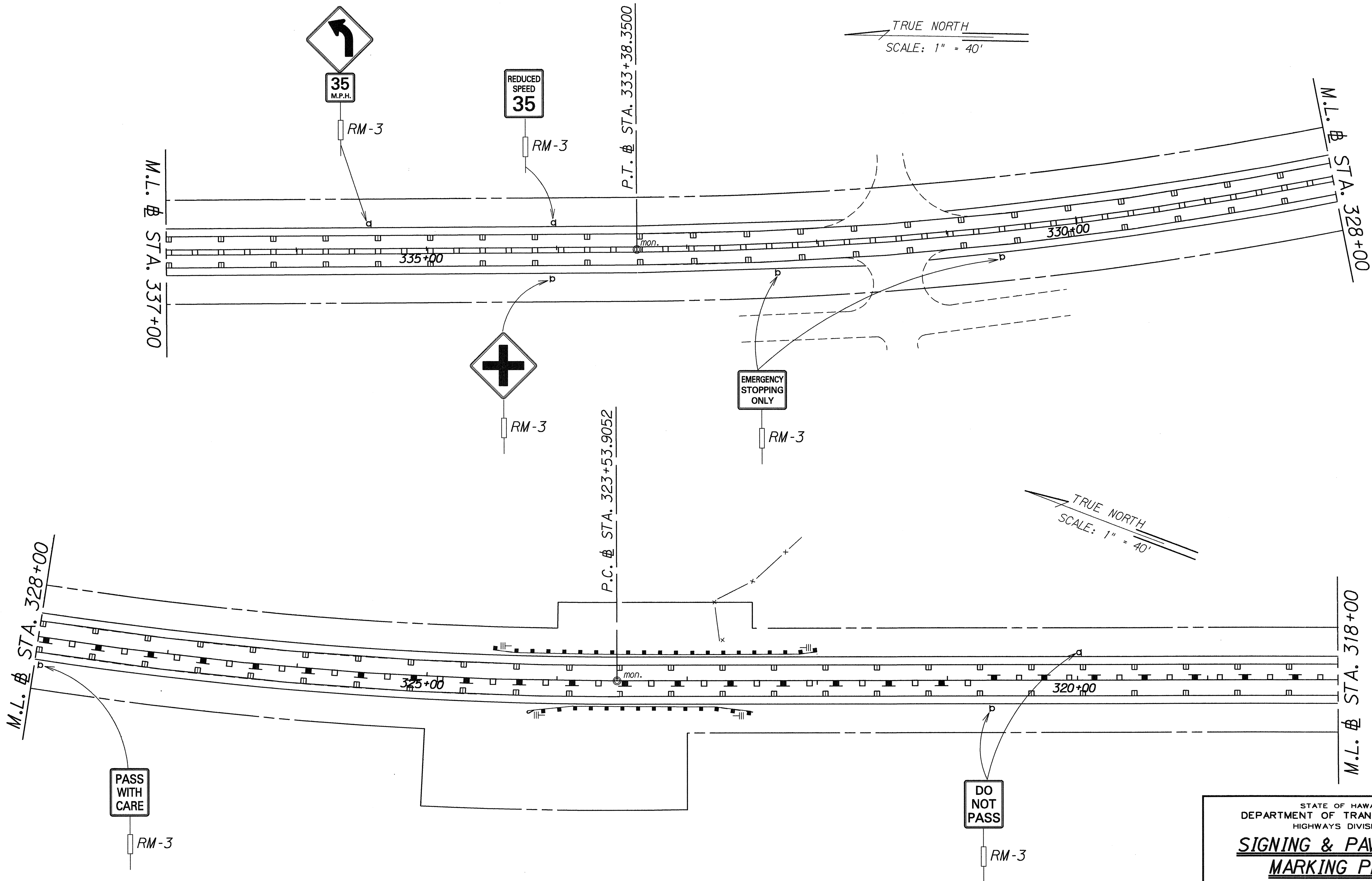
**SIGNING & PAVEMENT  
MARKING PLAN**

KULA HIGHWAY RESURFACING  
KULA JUNCTION TOWARDS LOWER KULA ROAD  
FED. AID PROJECT NO. STP-037-1(18)

Scale: 1" = 40'      Date: Apr 11, 1993

SHEET No. 1 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 26        | 35           |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          |      |
| QUANTITIES BY | CHECKED BY        |      |
| 4-29-93       |                   |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

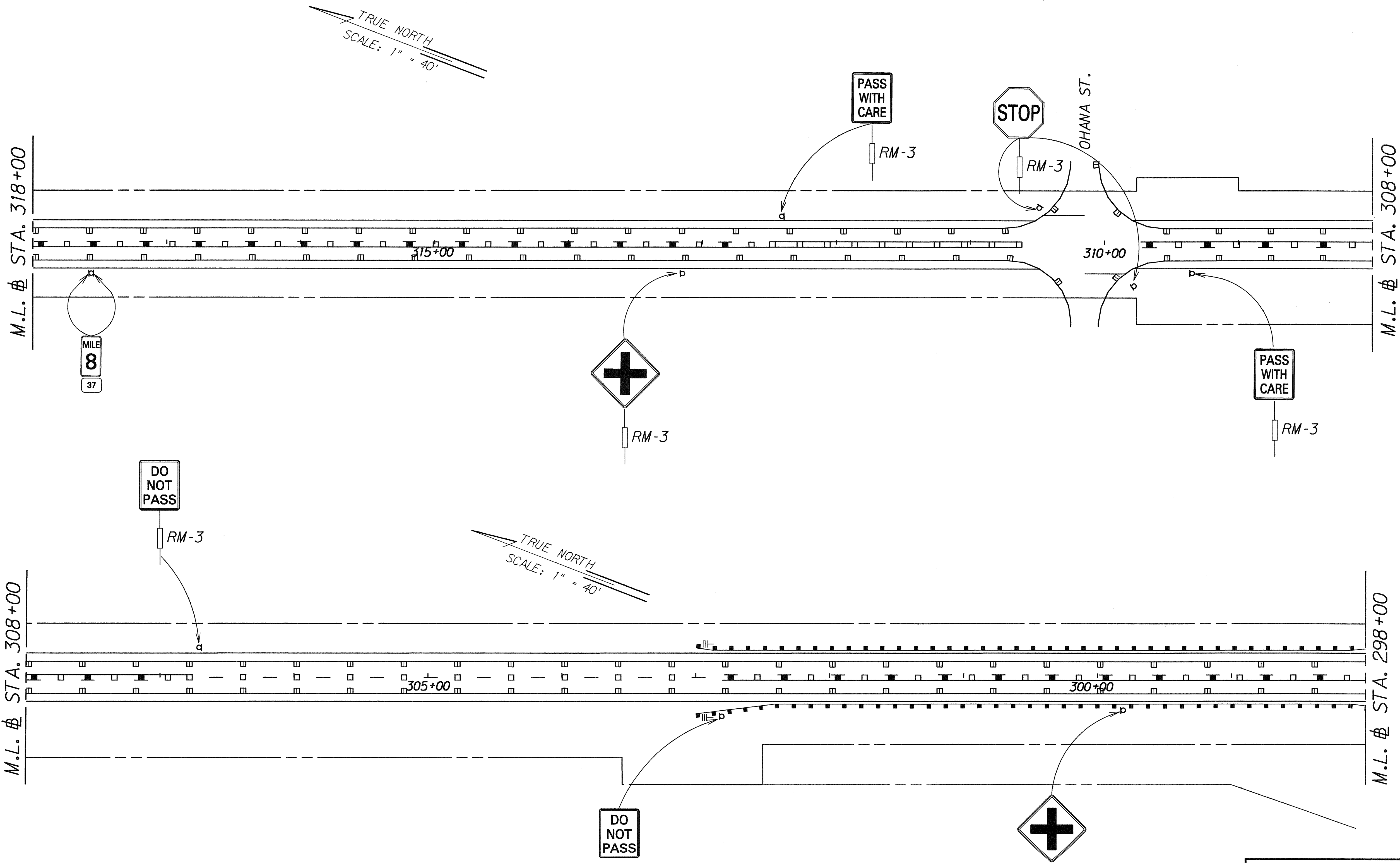
**SIGNING & PAVEMENT  
MARKING PLAN**

KULA HIGHWAY RESURFACING  
KULA JUNCTION TOWARDS LOWER KULA ROAD  
FED. AID PROJECT NO. STP-037-1(18)

Scale: 1" = 40'      Date: April, 1993

SHEET No. 2 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 27        | 35           |

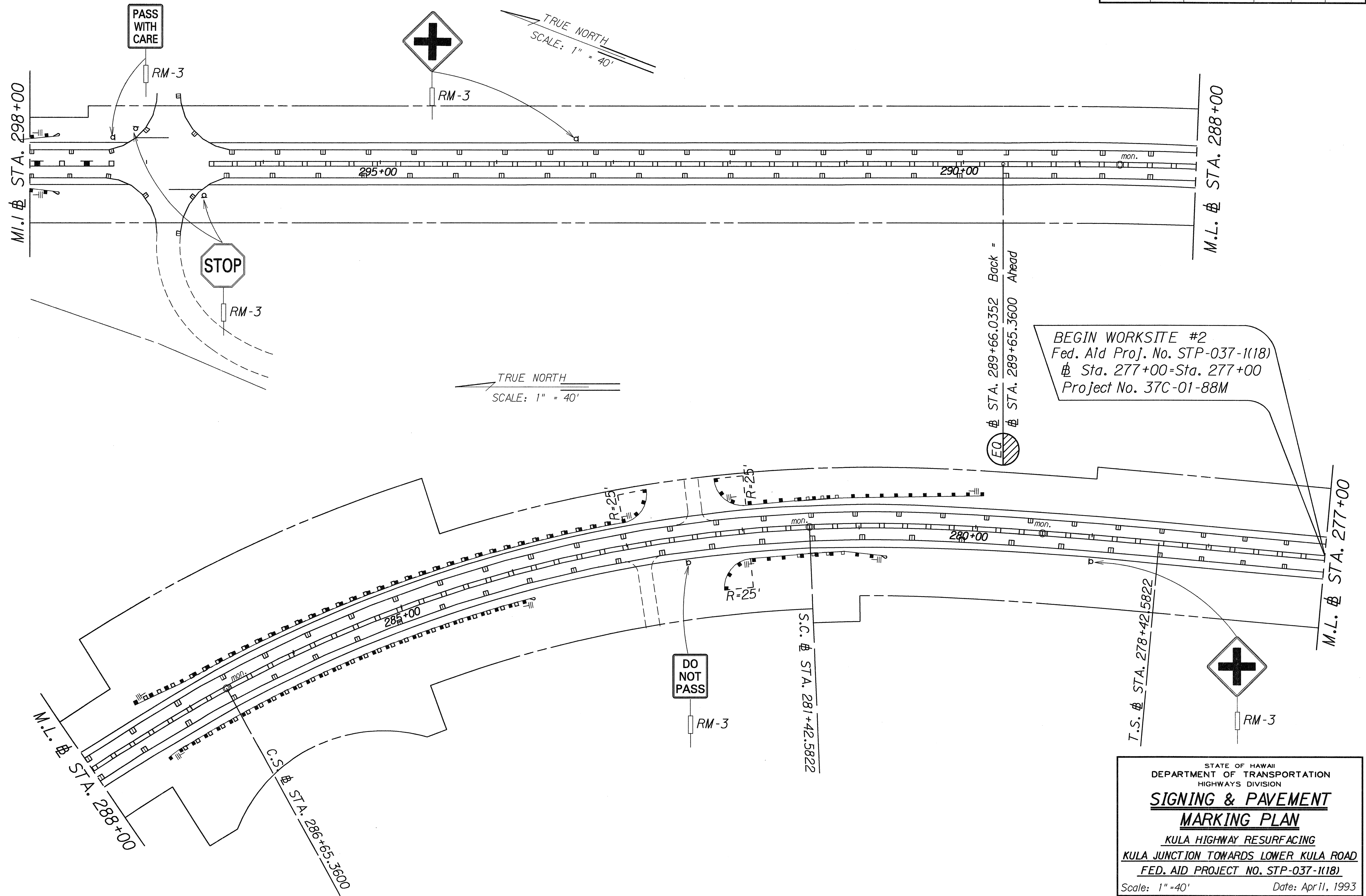


|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          |      |
|               | TRACED BY         |      |
|               | CHECKED BY        |      |
|               | QUANTITIES BY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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

SIGNING & PAVEMENT  
MARKING PLAN  
KULA HIGHWAY RESURFACING  
KULA JUNCTION TOWARDS LOWER KULA ROAD  
FED. AID PROJECT NO. STP-037-1(18)  
Scale: 1" = 40'      Date: Apr 11, 1993  
SHEET No. 3 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 28        | 35           |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          |      |
| QUANTITIES BY | CHECKED BY        |      |
| 4-29-93       |                   |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKING PLAN**

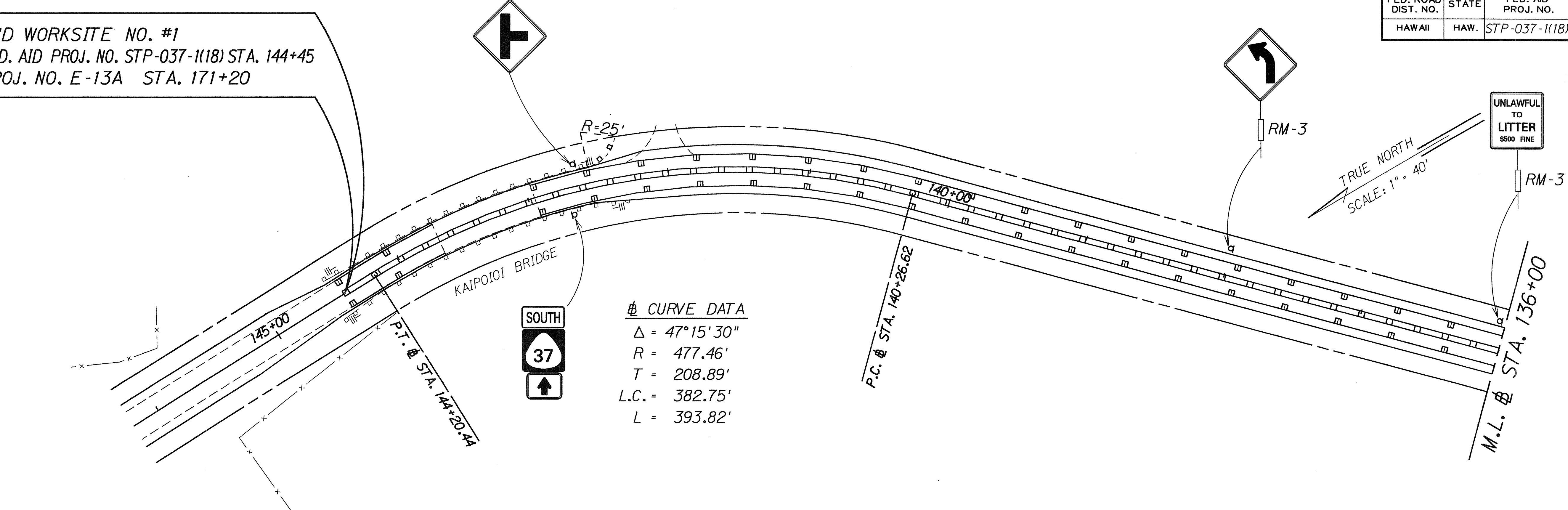
KULA HIGHWAY RESURFACING  
KULA JUNCTION TOWARDS LOWER KULA ROAD  
FED. AID PROJECT NO. STP-037-1(18)

Scale: 1" = 40' Date: April 11, 1993

SHEET No. 4 OF 11 SHEETS

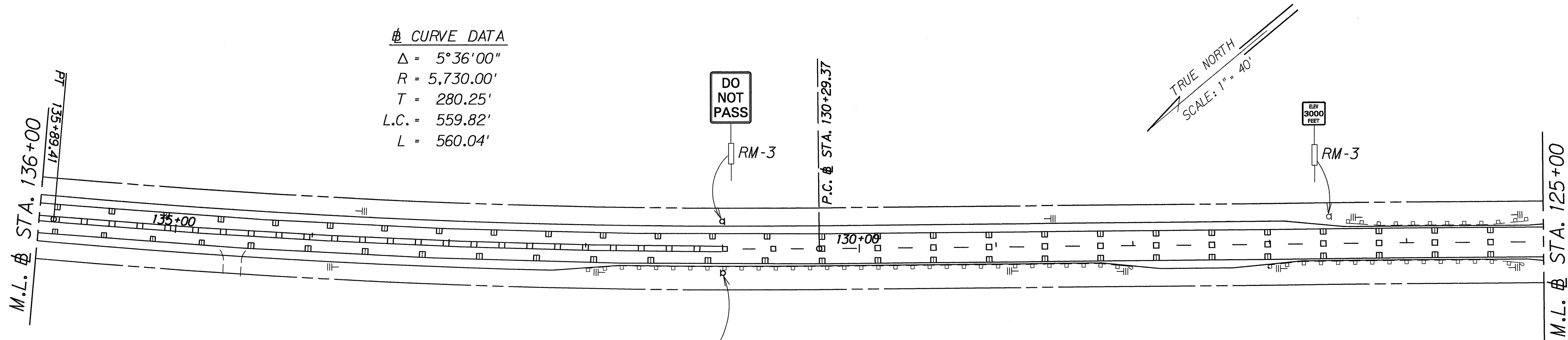
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 29        | 35           |

END WORKSITE NO. #1  
 FED. AID PROJ. NO. STP-037-1(18) STA. 144+45  
 PROJ. NO. E-13A STA. 171+20



⊕ CURVE DATA  
 $\Delta = 47^{\circ}15'30''$   
 $R = 477.46'$   
 $T = 208.89'$   
 $L.C. = 382.75'$   
 $L = 393.82'$

⊕ CURVE DATA  
 $\Delta = 5^{\circ}36'00''$   
 $R = 5,730.00'$   
 $T = 280.25'$   
 $L.C. = 559.82'$   
 $L = 560.04'$



|               |                   |         |
|---------------|-------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE    |
| NOTE BOOK     | DRAWN BY          |         |
| REVISIONS     | CHECKED BY        |         |
|               |                   | 4-29-93 |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

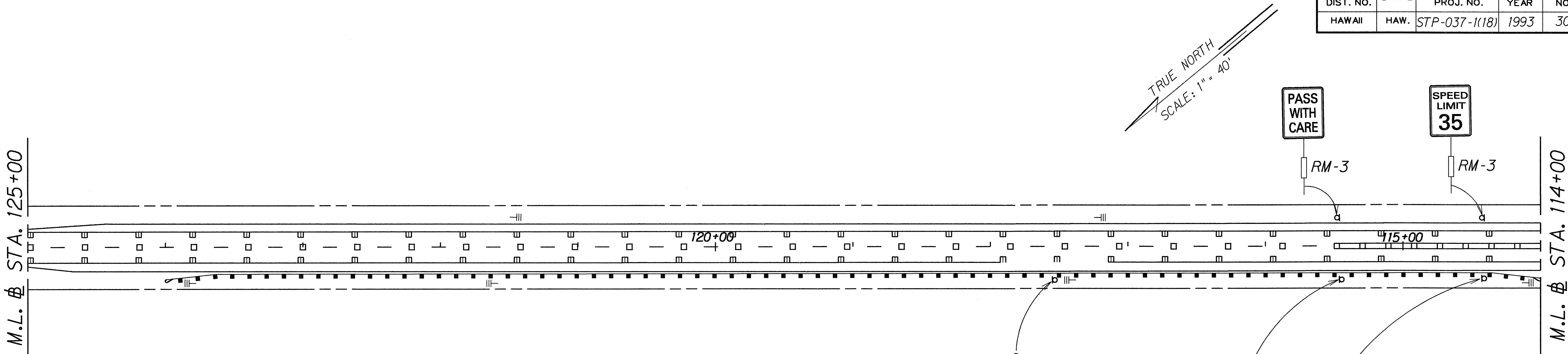
**SIGNING & PAVEMENT MARKING PLAN**

KULA HIGHWAY RESURFACING  
Kekauiike to Kula Sanatorium  
Fed. Aid Project No. STP-037-1(18)

Scale: 1" = 40' Date: Apr 11, 1993

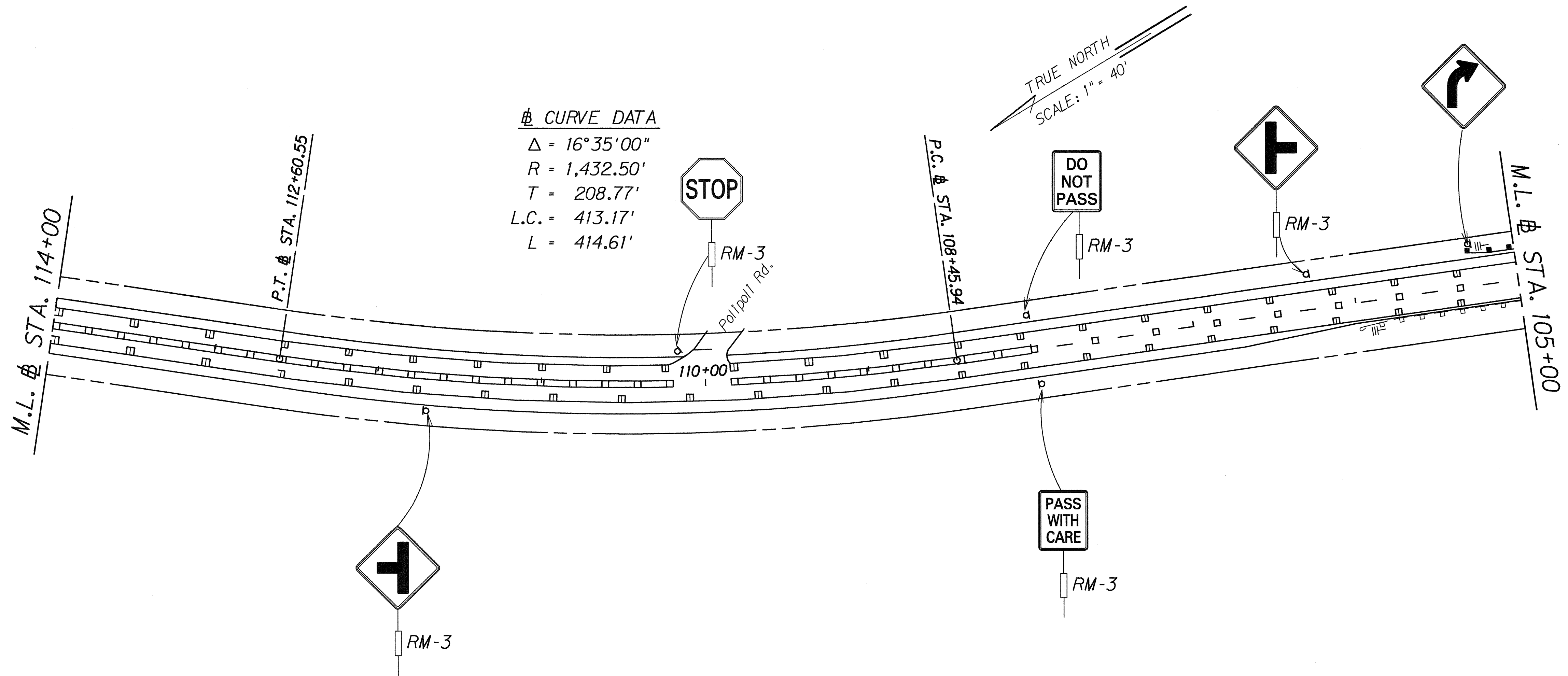
SHEET No. 5 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 30        | 35           |



CURVE DATA

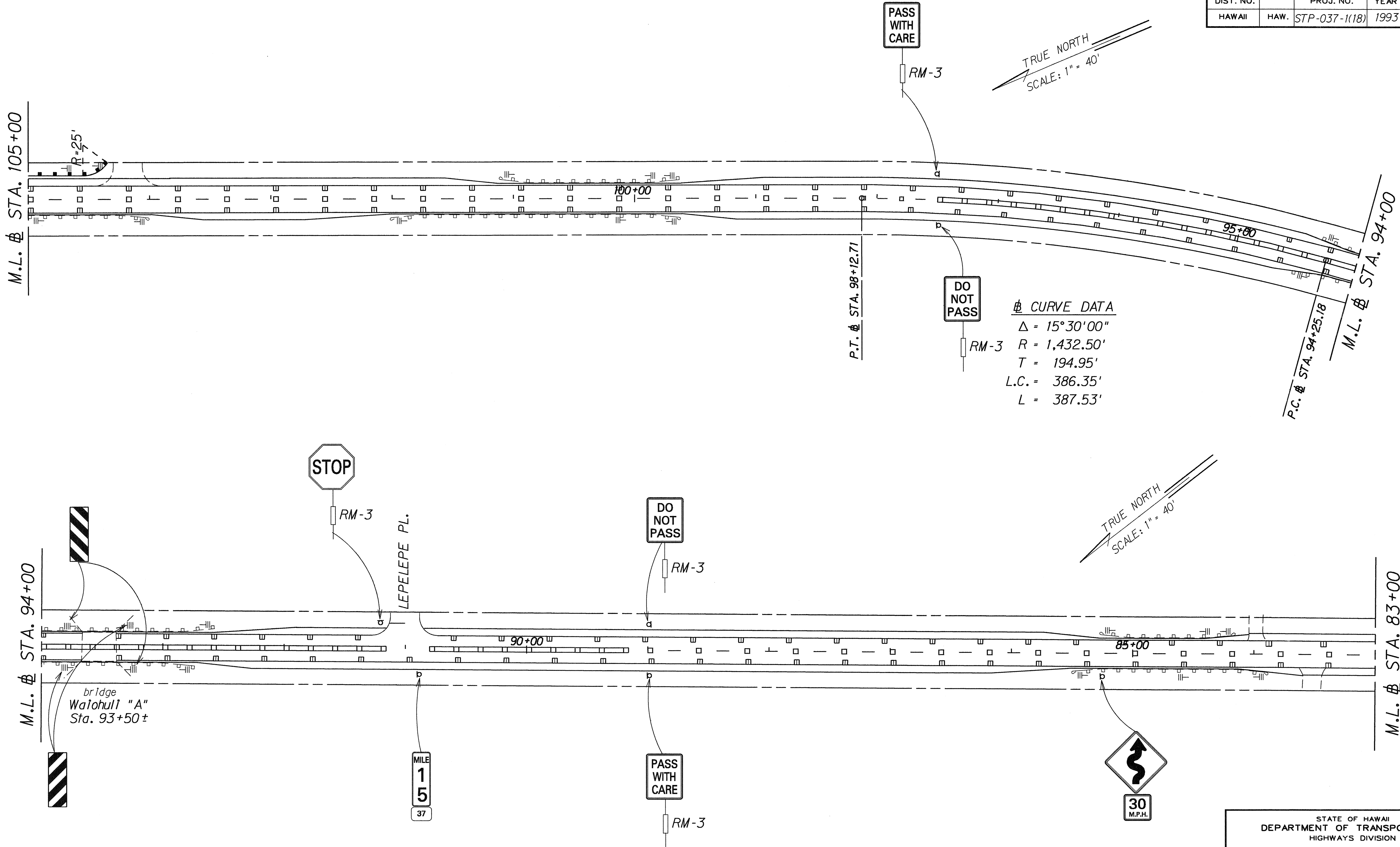
$\Delta = 16^{\circ}35'00''$   
 $R = 1,432.50'$   
 $T = 208.77'$   
 $L.C. = 413.17'$   
 $L = 414.61'$



|               |                   |         |
|---------------|-------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE    |
| NOTE BOOK     | DRAWN BY          |         |
| REVISIONS     | CHECKED BY        |         |
| BY            |                   |         |
| DATE          |                   | 4-29-93 |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING & PAVEMENT MARKING PLAN**  
KULA HIGHWAY RESURFACING  
Kekaulike to Kula Sanatorium  
Fed. Aid Project No. STP-037-1(18)  
Scale: 1" = 40' Date: April, 1993  
SHEET No. 6 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 31        | 35           |



|               |                   |         |
|---------------|-------------------|---------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE    |
| TRACED BY     |                   |         |
| NOTE BOOK     |                   |         |
| QUANTITIES BY |                   |         |
| CHECKED BY    |                   |         |
| N. MUMFORD    |                   | 4-29-93 |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

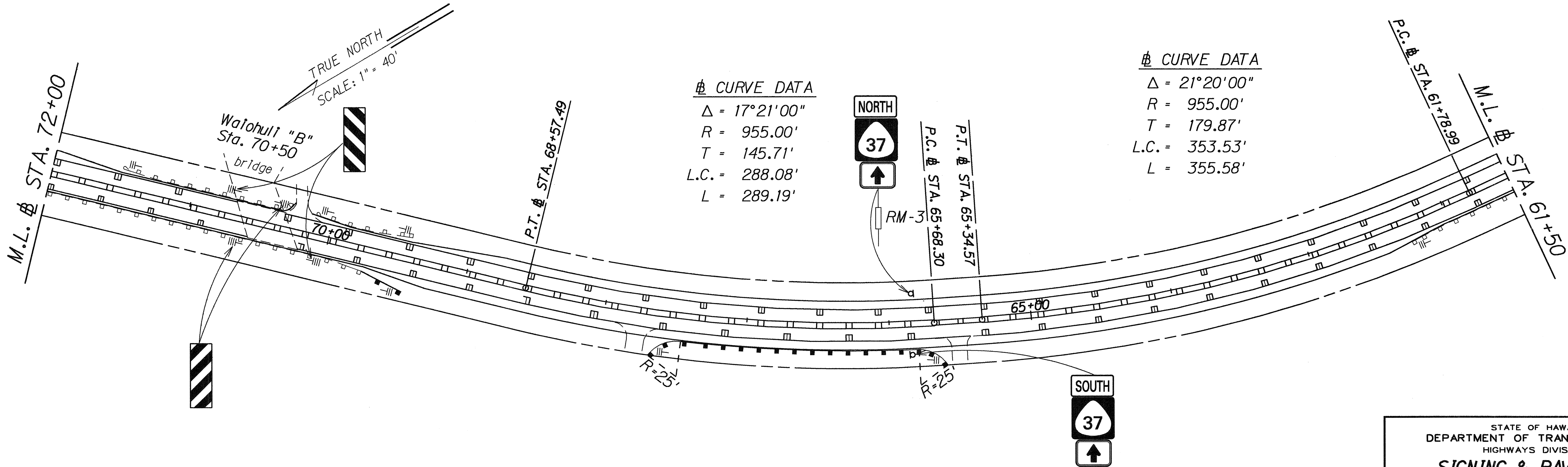
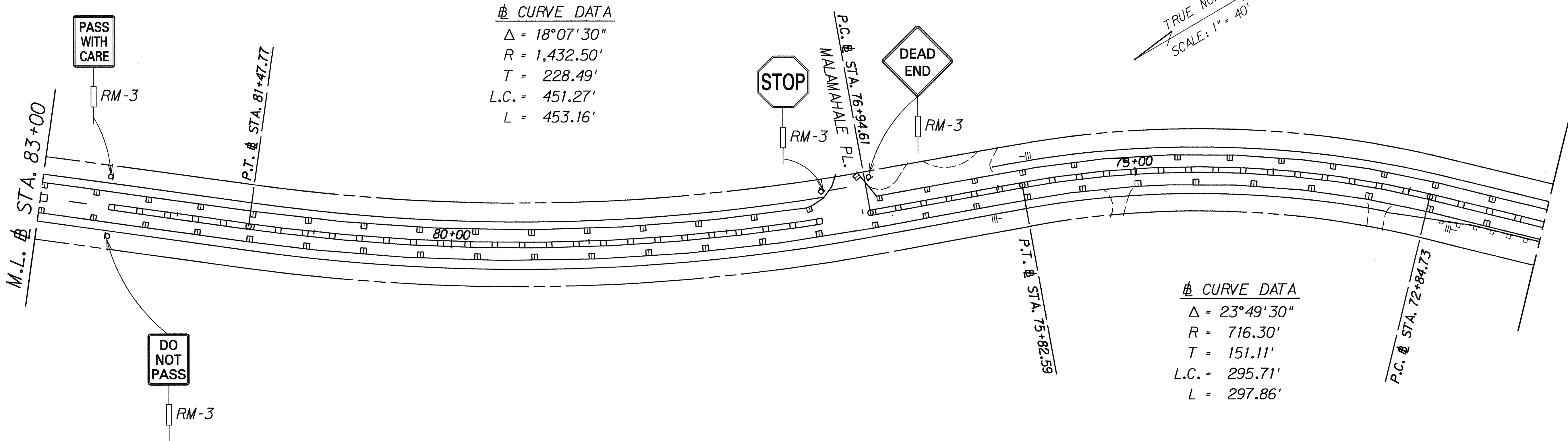
**SIGNING & PAVEMENT  
MARKING PLAN**

KULA HIGHWAY RESURFACING  
Kekaulike to Kula Sanatorium

Fed Aid Project No. STP-037-1(18)

Scale: 1"=40'      Date: April, 1993

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 32        | 35           |



|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          |      |
| NUM/PAGE      | DESIGNED BY       |      |
|               | CHECKED BY        |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

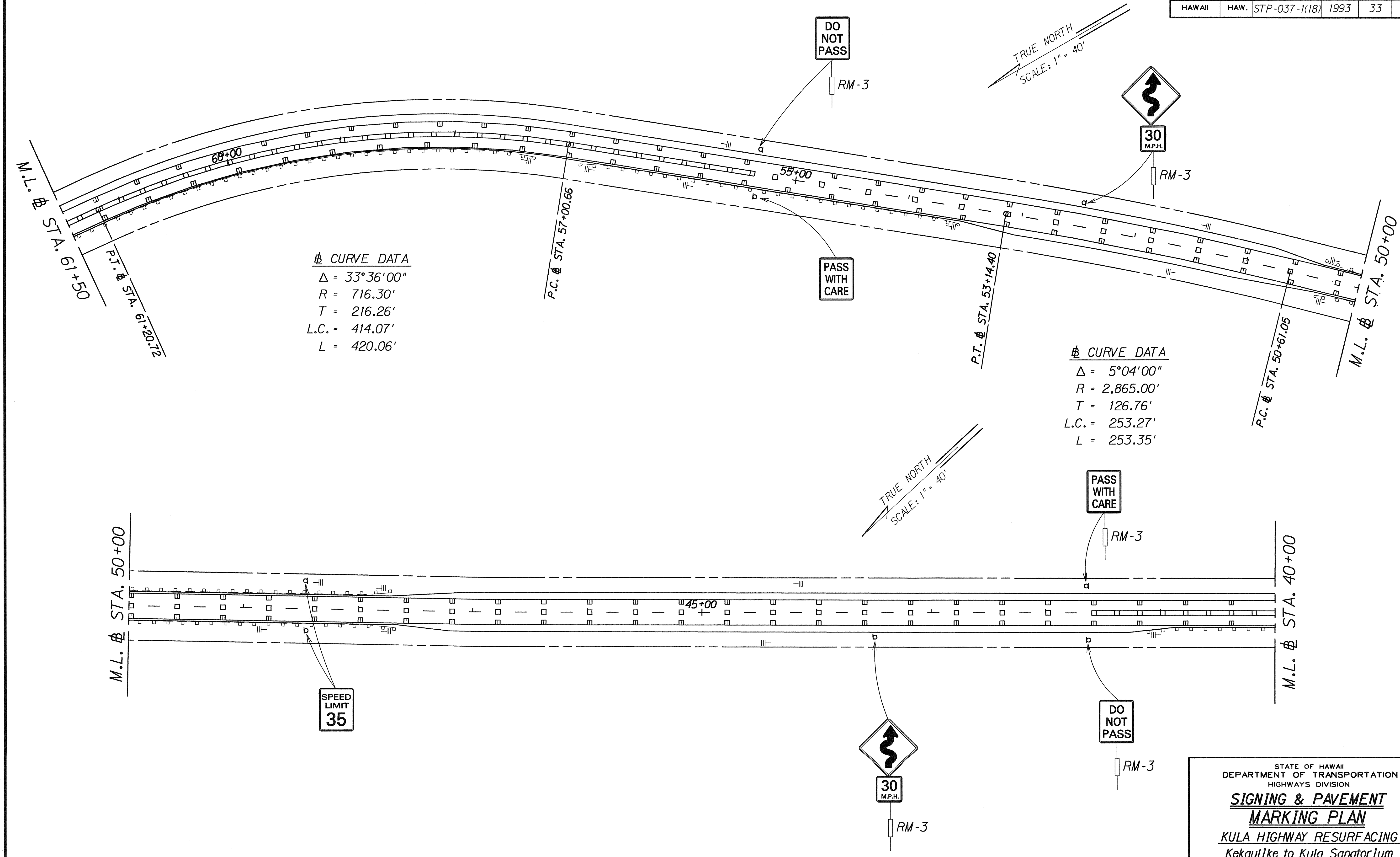
**SIGNING & PAVEMENT  
MARKING PLAN**

KULA HIGHWAY RESURFACING  
Kekaulike to Kula Sanatorium  
Fed. Aid Project No. STP-037-1(18)

Scale: 1" = 40'      Date: April, 1993

SHEET No. 8 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | 33        | 35           |



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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

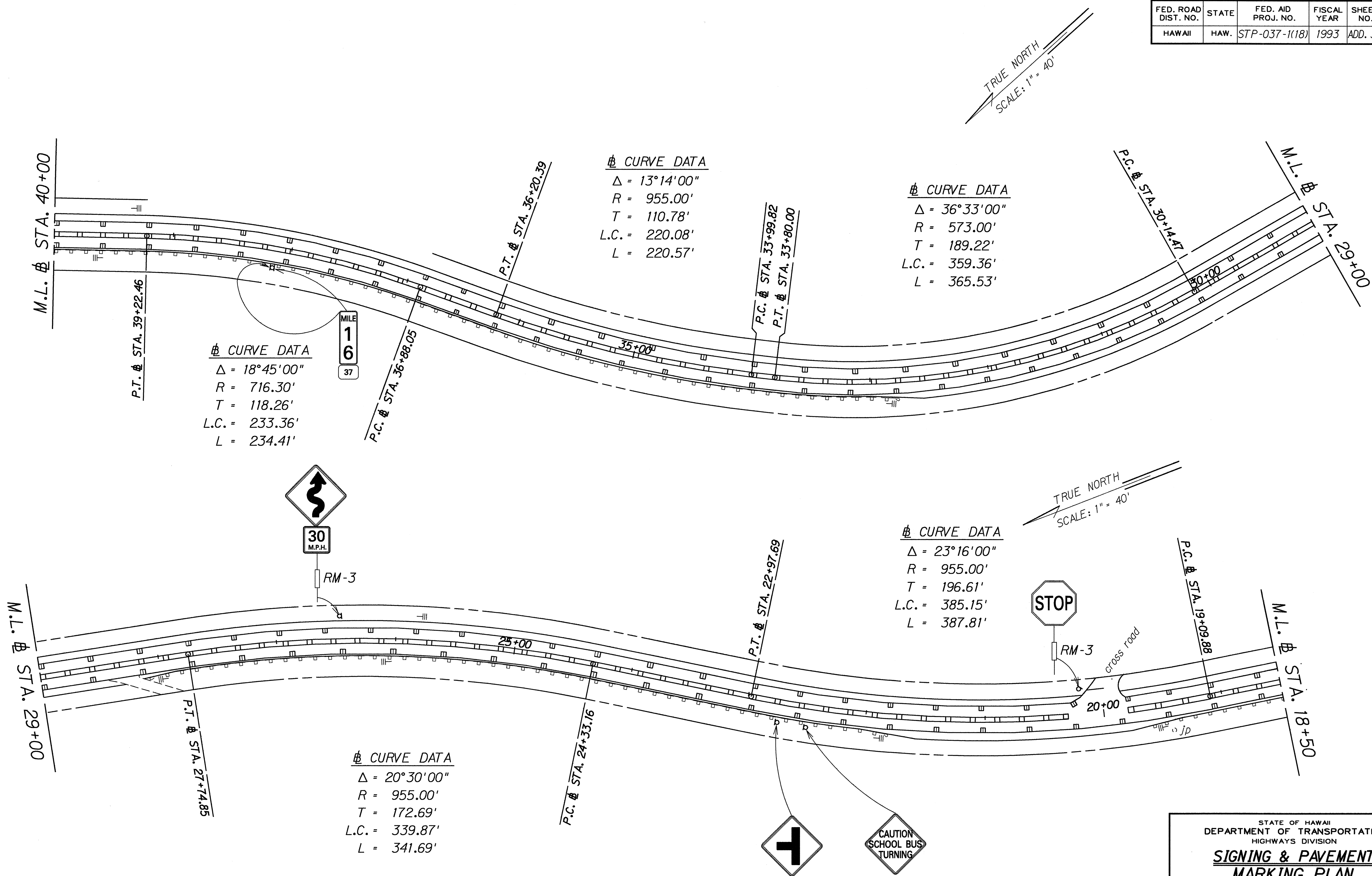
**SIGNING & PAVEMENT  
MARKING PLAN**

*KULA HIGHWAY RESURFACING*  
*Kekaulike to Kula Sanatorium*  
*Fed. Aid Project No. STP-037-1(18)*

Scale: 1"=40' Date: April, 1993

SHEET No. 9 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | ADD. 34   | 35           |



|               |        |
|---------------|--------|
| ORIGINAL PLAN | DATE   |
| DRAWN BY      |        |
| TRACED BY     |        |
| NOTED BY      |        |
| CHECKED BY    |        |
| DATE          | 6-2-93 |

| 6/2/93 | Traffic Sign moved to Sta. 17+80 |
|--------|----------------------------------|
| DATE   | REVISION                         |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

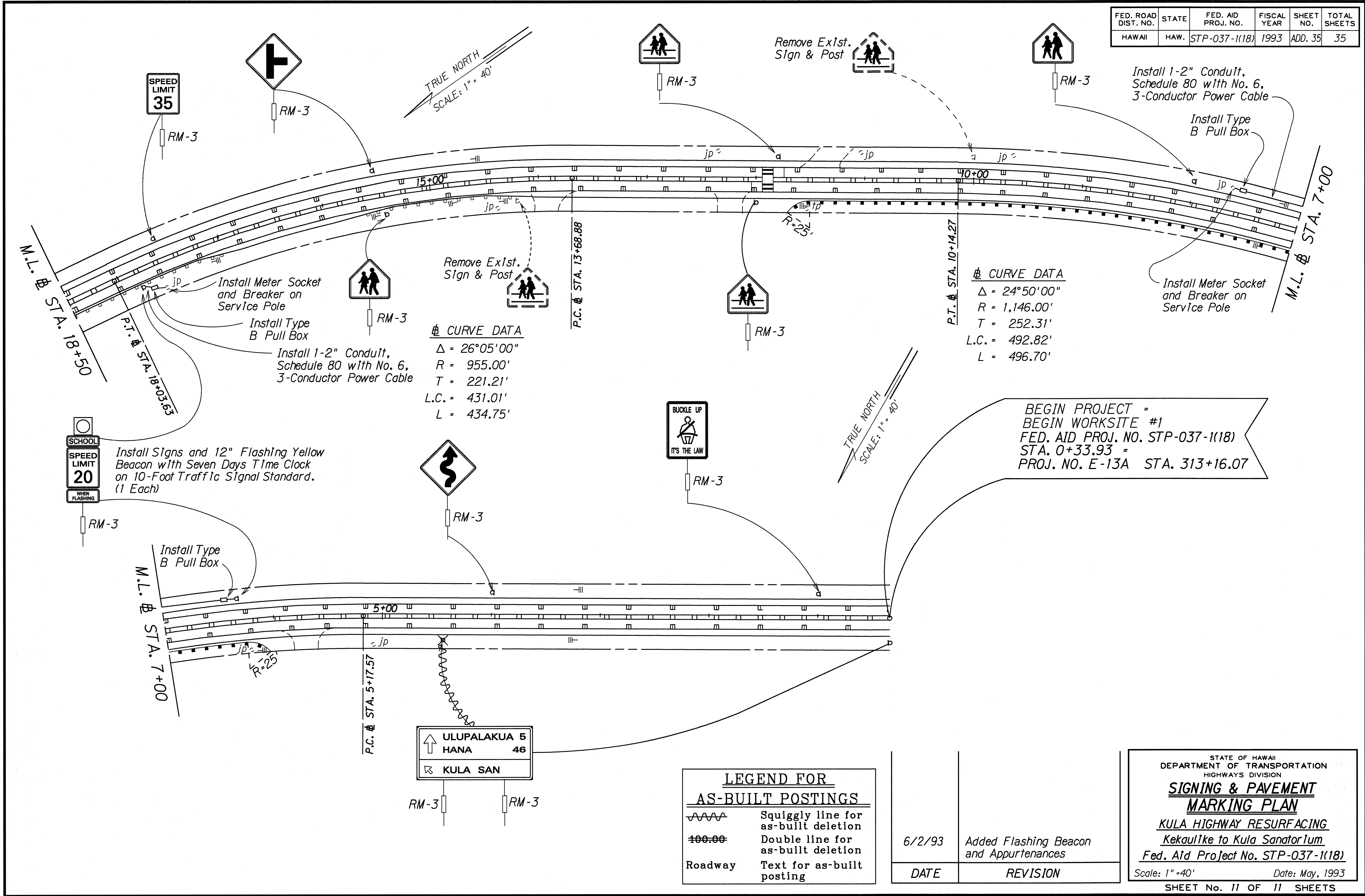
**SIGNING & PAVEMENT MARKING PLAN**

KULA HIGHWAY RESURFACING  
Kekaulike to Kula Sanatorium  
Fed. Aid Project No. STP-037-1(18)

Scale: 1"=40' Date: May, 1993

SHEET No. 10 OF 11 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-037-1(18)      | 1993        | ADD. 35   | 35           |



|                   |        |
|-------------------|--------|
| SURVEY PLOTTED BY | DATE   |
| DRAWN BY          |        |
| NOTED BY          |        |
| CHECKED BY        |        |
| DATE              | 6-2-93 |

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

| 6/2/93 | Added Flashing Beacon and Appurtenances |
|--------|-----------------------------------------|
| DATE   | REVISION                                |

|                                                                      |                 |
|----------------------------------------------------------------------|-----------------|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |                 |
| <b>SIGNING &amp; PAVEMENT MARKING PLAN</b>                           |                 |
| KULA HIGHWAY RESURFACING<br>Kekaulike to Kula Sanatorium             |                 |
| Fed. Aid Project No. STP-037-1(18)                                   |                 |
| Scale: 1" = 40'                                                      | Date: May, 1993 |
| SHEET No. 11 OF 11 SHEETS                                            |                 |

AS-BUILT

ADD. 35