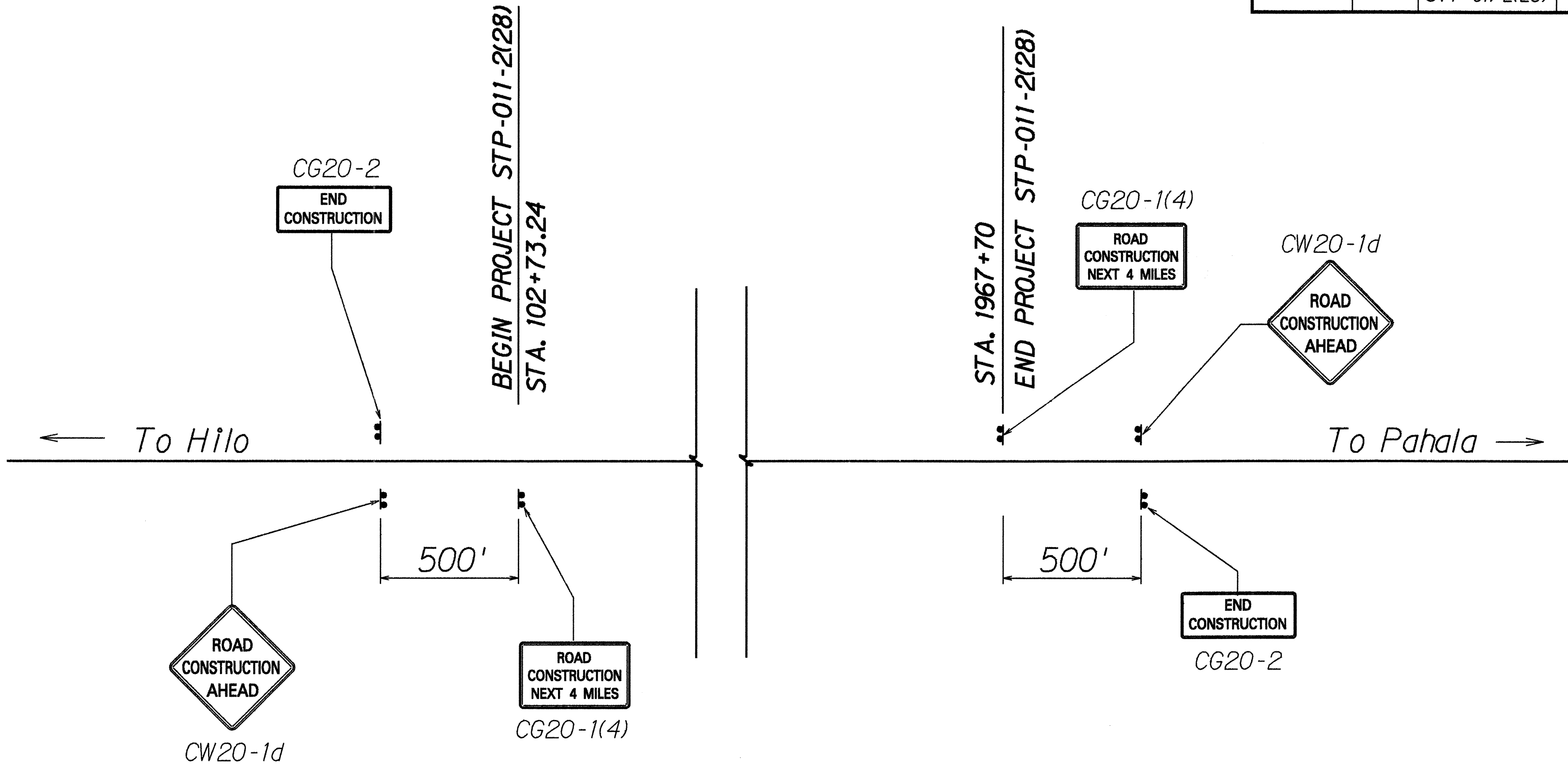


|                  |                   |      |
|------------------|-------------------|------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK        | DRAWN BY          |      |
| DESIGNED BY      |                   |      |
| QUANTITIES BY    |                   |      |
| CHECKED BY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

|                        |       |                       |                |              |                 |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| FED. ROAD<br>DIST. NO. | STATE | FED. AID<br>PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
| HAWAII                 | HAW.  | STP-011-2(28)         | 1994           | 10           | 10              |

| PAVEMENT MARKER SCHEDULE |                          |     |    |      |       |     |     |       |  |
|--------------------------|--------------------------|-----|----|------|-------|-----|-----|-------|--|
| STATION                  |                          | C/L |    | TYPE |       |     |     |       |  |
| FROM                     | TO                       | LT  | RT | A    | C     | D   | H   | J     |  |
| 104+25                   | 99+54.78<br>99+52.20     | N   | N  | —    | 24    | 24  |     |       |  |
| 99+54.78<br>99+52.20     | 96+41.16<br>96+39.30     | N   | N  | —    | 18    | 17  |     |       |  |
| 96+41.16<br>96+39.30     | 85+97.06<br>85+95.19     | N   | N  | —    | 54    | 53  |     |       |  |
| 85+97.06<br>85+95.19     | 83+09.57<br>83+08.51     | N   | N  | —    | 16    | 15  |     |       |  |
| 83+09.57<br>83+08.51     | 72+64                    | N   | N  | —    | 54    | 53  |     |       |  |
| 72+64                    | 64+64                    | P   | N  | —    | 40    | 21  | 20  | 80    |  |
| 64+64                    | 58+58                    | P   | P  | —    | 32    | 16  |     | 60    |  |
| 58+58                    | 56+44.96<br>56+43.90     | N   | P  | —    | 12    | 6   | 6   | 24    |  |
| 56+44.96<br>56+43.90     | 52+75                    | N   | P  | —    | 20    | 10  | 10  | 40    |  |
| 52+75                    | 46+36                    | N   | N  | —    | 34    | 33  |     |       |  |
| 46+36                    | 41+87                    | P   | N  | —    | 24    | 12  | 12  | 48    |  |
| 41+87                    | 33+37                    | P   | P  | —    | 44    | 22  |     | 84    |  |
| 33+37                    | 31+27.02<br>1842+16      | N   | P  | —    | 12    | 6   | 6   | 24    |  |
| 31+27.02<br>1842+16      | 1847+10                  | P   | N  | —    | 26    | 13  | 13  | 52    |  |
| 1847+10                  | 1875+96                  | N   | N  | —    | 144   | 144 |     |       |  |
| 1875+96                  | 1884+57                  | N   | P  | —    | 44    | 22  | 22  | 88    |  |
| 1884+57                  | 1895+34                  | P   | P  | —    | 56    | 28  |     | 108   |  |
| 1895+34                  | 1899+94                  | P   | N  | —    | 24    | 12  | 13  | 52    |  |
| 1899+94                  | 1903+92                  | P   | P  | —    | 22    | 11  |     | 40    |  |
| 1903+92                  | 1908+20                  | N   | P  | —    | 24    | 11  | 12  | 48    |  |
| 1908+20                  | 1909+51                  | P   | P  | —    | 8     | 4   |     | 12    |  |
| 1909+51                  | 1917+50                  | P   | N  | —    | 40    | 20  | 20  | 80    |  |
| 1917+50                  | 1919+80                  | N   | N  | —    | 12    | 12  |     |       |  |
| 1919+80                  | 1927+77                  | N   | P  | —    | 40    | 20  | 20  | 80    |  |
| 1927+77                  | 1931+52                  | P   | P  | —    | 20    | 10  |     | 36    |  |
| 1931+52                  | 1939+50                  | P   | N  | —    | 40    | 20  | 20  | 80    |  |
| 1939+50                  | 1956+04                  | N   | N  | —    | 84    | 83  |     |       |  |
| 1956+04                  | 1958+37.79<br>1958+38.96 | N   | P  | —    | 12    | 6   | 6   | 24    |  |
| 1958+37.79<br>1958+38.96 | 1969+20                  | N   | P  | —    | 56    | 27  | 27  | 108   |  |
| TOTALS                   |                          |     |    |      | 1,036 | 731 | 207 | 1,168 |  |



| CONSTRUCTION SIGN SCHEDULE |         |      |       |                      |
|----------------------------|---------|------|-------|----------------------|
| EXISTING<br>PROJECT No.    | STATION | LEFT | RIGHT | ITEM No.<br>621.7101 |
| F-011-2(19)                | 107+73  | ●    |       | CW20-1d              |
|                            | 107+73  |      | ●     | CG20-2               |
|                            | 102+73  | ●    |       | CG20-1 (4)           |
|                            |         |      |       |                      |
|                            | 1967+70 | ●    |       | CG20-1 (4)           |
|                            | 1972+70 |      | ●     | CG20-2               |
|                            | 1972+70 | ●    |       | CW20-1d              |
|                            |         |      |       |                      |
| Total Construction Signs   |         |      |       | 6                    |

NOTE:  
Right and left determined when viewing upstation.

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

6/7/94 Revised Pavement Marker Schedule,  
Construction Sign Schedule &  
Sign Detail.

DATE REVISION

|                                                                                                   |                  |
|---------------------------------------------------------------------------------------------------|------------------|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION                              |                  |
| CONSTRUCTION SIGN DETAIL<br>& MISCELLANEOUS SCHEDULE                                              |                  |
| MAMALAHOA HIGHWAY RESURFACING<br>HAWAII VOLCANOES NATIONAL PARK<br>F.A. PROJECT NO. STP-011-2(28) |                  |
| Scale: As Shown                                                                                   | Date: Sept. 1993 |
| SHEET No. 1 OF 1 SHEETS                                                                           |                  |

"AS-BUILT"

ADD. 10



Mamalahoa Highway Resurfacing  
Hawaii Volcanoes National Park  
Project No. STP-011-2[28]  
STRIPING SCHEDULE

| FROM       | TO         | TOTAL LENGTH | SOUTH BOUND | NORTH BOUND | Single Type 1 Yellow | Double-4" Type 1 Yellow | Type II White | C Marker | D Marker | H Marker | J Marker |
|------------|------------|--------------|-------------|-------------|----------------------|-------------------------|---------------|----------|----------|----------|----------|
| 103+41.37  | 99+54.78   | 386.59       |             |             |                      |                         |               |          |          |          |          |
| 99+52.20   | 96+41.16   | 311.04       |             |             |                      |                         |               |          |          |          |          |
| 96+39.30   | 85+97.06   | 1,042.24     |             |             |                      |                         |               |          |          |          |          |
| 85+95.19   | 83+09.57   | 285.62       |             |             |                      |                         |               |          |          |          |          |
| 83+08.51   | 72+64.00   | 1,044.51     | No          | No          |                      | 3070.00                 | 6,140.00      | 154      | 154      |          |          |
| 72+64.00   | 64+64.00   | 800.00       | Pass        | No          | 800.00               |                         | 1,600.00      | 40       | 20       | 20       | 80       |
| 64+64.00   | 60+74.00   | 390.00       | Pass        | Pass        |                      |                         | 780.00        | 20       | 10       |          | 36       |
| 60+74.00   | 56+44.96   | 429.04       |             |             |                      |                         |               |          |          |          |          |
| 56+43.90   | 52+72.00   | 371.90       | No          | Pass        | 800.94               |                         | 1,601.88      | 40       | 20       | 20       | 80       |
| 52+72.00   | 47+42.00   | 530.00       | No          | No          |                      | 530.00                  | 1,060.00      | 27       | 27       |          |          |
| 47+42.00   | 39+33.00   | 809.00       | Pass        | No          | 809.00               |                         | 1,618.00      | 40       | 20       | 20       | 80       |
| 39+33.00   | 33+43.00   | 590.00       | Pass        | Pass        |                      |                         | 1,180.00      | 30       | 15       |          | 56       |
| 33+43.00   | 30+27.02   | 315.98       |             |             |                      |                         |               |          |          |          |          |
| 1842+16.00 | 1847+10.00 | 494.00       | No          | Pass        | 809.98               |                         | 1,619.96      | 40       | 20       | 20       | 80       |
| 1847+10.00 | 1876+60.00 | 2,950.00     | No          | No          |                      | 2,950.00                | 5,900.00      | 148      | 148      |          |          |
| 1876+60.00 | 1884+60.00 | 800.00       | Pass        | No          | 800.00               |                         | 1,600.00      | 40       | 20       | 20       | 80       |
| 1884+60.00 | 1895+50.00 | 1,090.00     | Pass        | Pass        |                      |                         | 2,180.00      | 55       | 28       |          | 108      |
| 1895+50.00 | 1900+00.00 | 450.00       | No          | Pass        | 450.00               |                         | 900.00        | 23       | 11       | 12       | 48       |
| 1900+00.00 | 1903+50.00 | 350.00       | Pass        | Pass        |                      |                         | 700.00        | 18       | 9        |          | 32       |
| 1903+50.00 | 1908+00.00 | 450.00       | Pass        | No          | 450.00               |                         | 900.00        | 23       | 11       | 12       | 48       |
| 1908+00.00 | 1909+50.00 | 150.00       | Pass        | Pass        |                      |                         | 300.00        | 8        | 4        |          | 12       |
| 1909+50.00 | 1917+50.00 | 800.00       | No          | Pass        | 800.00               |                         | 1,600.00      | 40       | 20       | 20       | 80       |
| 1917+50.00 | 1919+80.00 | 230.00       | No          | No          |                      | 230.00                  | 460.00        | 12       | 12       |          |          |
| 1919+80.00 | 1927+69.00 | 789.00       | Pass        | No          | 789.00               |                         | 1,578.00      | 39       | 20       | 20       | 80       |
| 1927+69.00 | 1931+59.00 | 390.00       | Pass        | Pass        |                      |                         | 780.00        | 20       | 10       |          | 36       |
| 1931+59.00 | 1939+50.00 | 791.00       | No          | Pass        | 791.00               |                         | 1,582.00      | 40       | 20       | 20       | 80       |
| 1939+50.00 | 1956+00.00 | 1,650.00     | No          | No          |                      | 1,650.00                | 3,300.00      | 83       | 83       |          |          |
| 1956+00.00 | 1958+37.79 | 237.79       |             |             |                      |                         |               |          |          |          |          |
| 1958+38.96 | 1964+01.00 | 562.04       | Pass        | No          | 799.83               |                         | 1,599.66      | 40       | 20       | 20       | 80       |
| 1964+01.00 | 1968+71.00 | 470.00       | Pass        | Pass        |                      |                         | 940.00        | 24       | 12       |          | 44       |
|            |            | 0.00         |             |             |                      |                         |               |          |          |          |          |

|        |                     |             |            |             |             |            |            |             |
|--------|---------------------|-------------|------------|-------------|-------------|------------|------------|-------------|
| 19,960 | TOTALS →            | 8,100       | 8,430      | 39,920      | 1,004       | 714        | 204        | 1,140       |
|        | Contract Quantity → | 8,571       | 7,995      | 40,006      | 1,036       | 731        | 207        | 1,168       |
|        | Quantity Change →   | -471        | 435        | -86         | -32         | -17        | -3         | -28         |
|        | Contract Price →    | \$0.80      | \$0.95     | \$1.25      | \$6.00      | \$5.65     | \$5.50     | \$6.50      |
|        | Contract Cost →     | \$6,856.80  | \$7,595.25 | \$50,007.50 | \$6,216.00  | \$4,130.15 | \$1,138.50 | \$7,592.00  |
|        | Revised Cost →      | \$6,480.00  | \$8,008.50 | \$49,900.00 | \$6,024.00  | \$4,034.10 | \$1,122.00 | \$7,410.00  |
|        | Change →            | [-]\$376.80 | \$413.25   | [-]\$107.50 | [-]\$192.00 | [-]\$96.05 | [-]\$16.50 | [-]\$182.00 |
|        | Contract Total →    | \$83,536.20 |            |             |             |            |            |             |
|        | Revised Total →     | \$82,978.60 |            |             |             |            |            |             |
|        |                     | [-]\$557.60 |            |             |             |            |            |             |

|                   |         |
|-------------------|---------|
| SURVEY PLOTTED BY | DATE    |
| DRAWN BY          | 8/22/96 |
| TRACED BY         |         |
| CHECKED BY        |         |
| ORIGINAL PLAN     |         |
| NOTE BOOK         |         |
| 4/3/96            |         |
| 4/20/96           |         |

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

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

STRIPING DETAIL

MAMALAHOA HIGHWAY RESURFACING  
HAWAII VOLCANOES NATIONAL PARK  
F.A. PROJECT NO. STP-011-2[28]

Date: Sept. 1993

SHEET No. 1 OF 1 SHEETS