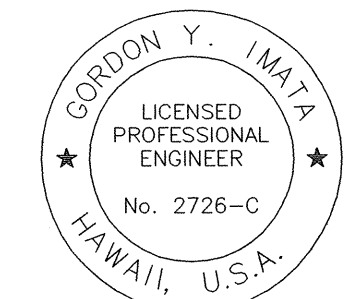


SHOULDER CONSTRUCTION SCHEDULE

| CONSTRUCTION AREA SCHEDULE |             |                                                |       |               |              |                        |
|----------------------------|-------------|------------------------------------------------|-------|---------------|--------------|------------------------|
| BEGIN STATION              | END STATION | OFFSET FROM RD. # TO CENTER CONST. AREA (L.F.) |       | LENGTH (L.F.) | WIDTH (L.F.) | APPROX. AREA (SQ. FT.) |
|                            |             | LEFT                                           | RIGHT |               |              |                        |
| 0+43                       | 1+73        | 9.5                                            |       | 130           | 3            | 390                    |
| 1+03                       | 2+64        |                                                | 10    | 161           | 2            | 322                    |
| 2+12                       | 4+06        | 9.5                                            |       | 194           | 3            | 582                    |
| 2+79                       | 5+49        |                                                | 9.5   | 270           | 3            | 810                    |
| 4+06                       | 5+27        | 10.5                                           |       | 121           | 1            | 121                    |
| 5+27                       | 6+99        | 9.5                                            |       | 172           | 3            | 516                    |
| 5+49                       | 6+59        |                                                | 10    | 110           | 2            | 220                    |
| 6+99                       | 8+47        | 10.5                                           |       | 148           | 1            | 148                    |
| 8+11                       | 10+70       |                                                | 9.5   | 259           | 3            | 777                    |
| 8+47                       | 11+20       | 10                                             |       | 273           | 2            | 546                    |
| 12+19                      | 15+37       | 10                                             |       | 318           | 2            | 636                    |
| 15+76                      | 20+65       | 10                                             |       | 489           | 2            | 978                    |
| 16+06                      | 17+65       |                                                | 10    | 159           | 2            | 318                    |
| 17+65                      | 18+38       |                                                | 10.5  | 73            | 1            | 73                     |
| 19+00                      | 20+40       |                                                | 10.5  | 140           | 1            | 140                    |
| 20+65                      | 21+30       | 10.5                                           |       | 65            | 1            | 65                     |
| 21+30                      | 23+30       | 10                                             |       | 200           | 2            | 400                    |
| 24+66                      | 26+33       | 9.5                                            |       | 167           | 3            | 501                    |
| 25+54                      | 26+52       |                                                | 10    | 98            | 2            | 196                    |
| 26+33                      | 27+10       | 10.5                                           |       | 77            | 1            | 77                     |
| 27+17                      | 28+15       |                                                | 10.5  | 98            | 1            | 98                     |
| 28+00                      | 28+34       | 10.5                                           |       | 34            | 1            | 34                     |
| 28+34                      | 30+53       | 10                                             |       | 219           | 2            | 438                    |
| 30+53                      | 31+26       | 10.5                                           |       | 73            | 1            | 73                     |
| 33+18                      | 34+98       |                                                | 10.5  | 180           | 1            | 180                    |
| 33+20                      | 36+45       | 10                                             |       | 325           | 2            | 650                    |
| 36+00                      | 36+45       | 7                                              |       | 45            | 4            | 180                    |
| 35+75                      | 36+00       |                                                | 10.5  | 25            | 1            | 25                     |
| 36+72                      | 41+00       | 10                                             |       | 428           | 2            | 856                    |
| 37+82                      | 38+70       |                                                | 10    | 88            | 2            | 176                    |
| 41+80                      | 43+78       | 10                                             |       | 198           | 2            | 396                    |
| 43+00                      | 43+85       |                                                | 9.5   | 85            | 3            | 255                    |
| 43+78                      | 45+55       | 9.5                                            |       | 177           | 3            | 531                    |

| BEGIN STATION | END STATION | OFFSET FROM RD. # TO CENTER CONST. AREA (L.F.) |       | LENGTH (L.F.) | WIDTH (L.F.) | APPROX. AREA (SQ. FT.) |
|---------------|-------------|------------------------------------------------|-------|---------------|--------------|------------------------|
|               |             | LEFT                                           | RIGHT |               |              |                        |
| 43+85         | 45+19       |                                                | 10    | 134           | 2            | 268                    |
| 45+41         | 46+70       |                                                | 10.5  | 129           | 1            | 129                    |
| 45+55         | 46+15       | 10                                             |       | 60            | 2            | 120                    |
| 46+70         | 48+02       |                                                | 10    | 132           | 2            | 264                    |
| 48+26         | 48+36       |                                                | 10    | 10            | 2            | 20                     |
| 48+58         | 50+08       |                                                | 10    | 150           | 2            | 300                    |
| 50+08         | 51+60       |                                                | 9.5   | 152           | 3            | 456                    |
| 52+53         | 53+08       |                                                | 10    | 55            | 2            | 110                    |
| 53+08         | 53+72       |                                                | 10.5  | 64            | 1            | 64                     |
| 53+72         | 55+04       |                                                | 10    | 132           | 2            | 264                    |
| 55+04         | 56+55       |                                                | 10    | 151           | 2            | 302                    |
| 57+30         | 61+00       | 9.5                                            |       | 370           | 3            | 1110                   |
| 57+35         | 58+05       |                                                | 10.5  | 70            | 1            | 70                     |
| 58+48         | 60+26       |                                                | 10    | 178           | 2            | 356                    |
| 60+26         | 60+57       |                                                | 10.5  | 31            | 1            | 31                     |
| 60+57         | 62+44       |                                                | 10    | 187           | 2            | 374                    |
| 61+00         | 62+44       | 10                                             |       | 144           | 2            | 288                    |
| 158+80        | 163+80      | 10.5                                           |       | 500           | 1            | 500                    |
| 235+76        | 237+49      | 9.5                                            |       | 173           | 3            | 519                    |
| 349+28        | 350+84      |                                                | 10    | 156           | 2            | 312                    |
| 350+00        | 350+50      | 10                                             |       | 50            | 2            | 100                    |
| 350+69        | 351+16      | 10                                             |       | 47            | 2            | 94                     |
| 351+42        | 352+69      | 10                                             |       | 127           | 2            | 254                    |
| 351+46        | 351+90      |                                                | 10    | 44            | 2            | 88                     |
| 352+10        | 352+80      |                                                | 10    | 70            | 2            | 140                    |
| SUBTOTAL      |             |                                                |       |               |              | 18,241                 |

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



THIS WORK WAS PREPARED BY  
OR UNDER MY SUPERVISION.  
*[Signature]*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
SHOULDER CONSTRUCTION  
SCHEDULE  
KUHIO HIGHWAY  
SHOULDER IMPROVEMENTS  
Haena to Princeville  
Project No. 560A-03-99  
Scale: None Date: February, 2002  
SHEET No. 1 OF 2 SHEETS



## SHOULDER CONSTRUCTION SCHEDULE

| BEGIN<br>STATION | END<br>STATION | OFFSET FROM RD. # TO<br>CENTER CONST. AREA (L.F.) |       | LENGTH<br>(L.F.) | WIDTH<br>(L.F.) | APPROX.<br>AREA<br>(SQ. FT.) |
|------------------|----------------|---------------------------------------------------|-------|------------------|-----------------|------------------------------|
|                  |                | LEFT                                              | RIGHT |                  |                 |                              |
| 380+04           | 380+46         | 10                                                |       | 42               | 2               | 84                           |
| 380+61           | 381+04         | 10.5                                              |       | 48               | 1               | 48                           |
| 394+20           | 395+32         | 10.5                                              |       | 112              | 1               | 112                          |
| 395+74           | 396+39         |                                                   | 10.5  | 65               | 1               | 65                           |
| 395+78           | 396+43         | 10                                                |       | 65               | 2               | 130                          |
| 396+74           | 397+09         |                                                   | 10.5  | 35               | 1               | 35                           |
| 396+94           | 398+65         | 10                                                |       | 171              | 2               | 342                          |
| 397+30           | 397+75         |                                                   | 10.5  | 45               | 1               | 45                           |
| 409+20           | 412+91         |                                                   | 10.5  | 371              | 1               | 371                          |
| 413+13           | 414+40         |                                                   | 10.5  | 127              | 1               | 127                          |
| 416+82           | 425+15         |                                                   | 10    | 833              | 2               | 1666                         |
| 443+77           | 444+17         |                                                   | 10.5  | 40               | 1               | 40                           |
| 444+54           | 453+20         |                                                   | 10    | 866              | 2               | 1732                         |
| 447+60           | 451+28         | 10                                                |       | 368              | 2               | 736                          |
| 451+28           | 452+75         | 10.5                                              |       | 147              | 1               | 147                          |
| 454+65           | 458+96         |                                                   | 10    | 430              | 2               | 860                          |
| 455+00           | 459+50         | 10                                                |       | 450              | 2               | 900                          |
|                  |                |                                                   |       |                  |                 |                              |
|                  |                |                                                   |       |                  |                 |                              |
|                  |                |                                                   |       |                  |                 |                              |
|                  |                |                                                   |       |                  |                 |                              |
|                  |                |                                                   |       |                  |                 |                              |
|                  |                |                                                   |       |                  |                 |                              |
|                  |                |                                                   |       |                  |                 |                              |
|                  |                |                                                   |       |                  |                 |                              |
| SUBTOTAL         |                |                                                   |       |                  |                 | 13,147                       |
| TOTAL            |                |                                                   |       |                  |                 | 31,388                       |

THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION

Lucy J. H.

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