

CA-EW-1

Earthwork Quantity Calculations

Project No. PID 76256 Co-Rt-Sec HAM-75-14.61 Date 1-15-2021

| Station   | CUTS                        |  |                                     |                           | FILLS                       |  |                                     |                           |     |
|-----------|-----------------------------|--|-------------------------------------|---------------------------|-----------------------------|--|-------------------------------------|---------------------------|-----|
|           | End Area<br>ft <sup>2</sup> | Average<br>End Area<br>ft <sup>2</sup> | Length<br>Between<br>Stations<br>ft | Volume<br>yd <sup>3</sup> | End Area<br>ft <sup>2</sup> | Average<br>End Area<br>ft <sup>2</sup> | Length<br>Between<br>Stations<br>ft | Volume<br>yd <sup>3</sup> |     |
| 352+30.24 | 68                          |  |                                     |                           | 13                          |  |                                     |                           | 369 |
|           |                             | 61                                     | 19.76                               | 45                        |                             | 11                                     | 19.76                               | 8                         |     |
| 352+50    | 53                          |  |                                     |                           | 8                           |  |                                     |                           |     |
|           |                             | 46                                     | 50.00                               | 86                        |                             | 8                                      | 50.00                               | 15                        |     |
| 353+00    | 39                          |  |                                     |                           | 8                           |  |                                     |                           |     |
|           |                             | 31                                     | 39.29                               | 46                        |                             | 9                                      | 39.29                               | 13                        |     |
| 353+39.29 | 23                          |  |                                     |                           | 9                           |  |                                     |                           |     |
|           |                             | 22                                     | 10.71                               | 9                         |                             | 12                                     | 10.71                               | 5                         | 370 |
| 353+50    | 21                          |  |                                     |                           | 15                          |  |                                     |                           |     |
|           |                             | 22                                     | 50.00                               | 40                        |                             | 19                                     | 50.00                               | 36                        |     |
| 354+00    | 22                          |  |                                     |                           | 23                          |  |                                     |                           |     |
|           |                             | 25                                     | 50.00                               | 46                        |                             | 25                                     | 50.00                               | 46                        |     |
| 354+50    | 27                          |  |                                     |                           | 26                          |  |                                     |                           |     |
|           |                             | 25                                     | 50.00                               | 47                        |                             | 25                                     | 50.00                               | 46                        |     |
| 355+00    | 23                          |  |                                     |                           | 23                          |  |                                     |                           |     |
|           |                             | 33                                     | 50.00                               | 61                        |                             | 35                                     | 50.00                               | 65                        | 371 |
| 355+50    | 42                          |  |                                     |                           | 47                          |  |                                     |                           |     |
|           |                             | 43                                     | 50.00                               | 79                        |                             | 53                                     | 50.00                               | 98                        |     |
| 356+00    | 43                          |  |                                     |                           | 58                          |  |                                     |                           |     |
|           |                             | 49                                     | 50.00                               | 90                        |                             | 54                                     | 50.00                               | 100                       |     |
| 356+50    | 54                          |  |                                     |                           | 49                          |  |                                     |                           |     |
|           |                             | 55                                     | 50.00                               | 102                       |                             | 54                                     | 50.00                               | 100                       |     |
| 357+00    | 56                          |  |                                     |                           | 58                          |  |                                     |                           |     |
|           |                             | 62                                     | 50.00                               | 115                       |                             | 57                                     | 50.00                               | 105                       | 372 |
| 357+50    | 68                          |  |                                     |                           | 55                          |  |                                     |                           |     |
|           |                             | 70                                     | 50.00                               | 130                       |                             | 52                                     | 50.00                               | 96                        |     |
| 358+00    | 72                          |  |                                     |                           | 48                          |  |                                     |                           |     |
|           |                             | 75                                     | 50.00                               | 139                       |                             | 44                                     | 50.00                               | 82                        |     |
| 358+50    | 78                          |  |                                     |                           | 40                          |  |                                     |                           |     |
|           |                             | 67                                     | 50.00                               | 125                       |                             | 38                                     | 50.00                               | 71                        |     |
| 359+00    | 56                          |  |                                     |                           | 36                          |  |                                     |                           |     |
|           |                             | 72                                     | 50.00                               | 133                       |                             | 35                                     | 50.00                               | 64                        | 373 |
| 359+50    | 87                          |  |                                     |                           | 33                          |  |                                     |                           |     |
|           |                             | 86                                     | 50.00                               | 159                       |                             | 31                                     | 50.00                               | 57                        |     |
| 360+00    | 84                          |  |                                     |                           | 28                          |  |                                     |                           |     |
|           |                             | 91                                     | 50.00                               | 168                       |                             | 26                                     | 50.00                               | 48                        |     |
| 360+50    | 97                          |  |                                     |                           | 23                          |  |                                     |                           |     |
|           |                             | 102                                    | 50.00                               | 189                       |                             | 23                                     | 50.00                               | 42                        |     |
| 361+00    | 107                         |  |                                     |                           | 22                          |  |                                     |                           |     |
|           |                             | 117                                    | 50.00                               | 216                       |                             | 21                                     | 50.00                               | 38                        | 374 |
| 361+50    | 126                         |  |                                     |                           | 19                          |  |                                     |                           |     |
|           |                             | 127                                    | 50.00                               | 236                       |                             | 18                                     | 50.00                               | 34                        |     |
| 362+00    | 128                         |  |                                     |                           | 17                          |  |                                     |                           |     |
|           |                             | 134                                    | 50.00                               | 249                       |                             | 15                                     | 50.00                               | 28                        |     |
| 362+50    | 140                         |  |                                     |                           | 13                          |  |                                     |                           |     |
|           |                             | 152                                    | 50.00                               | 281                       |                             | 13                                     | 50.00                               | 25                        |     |
| 363+00    | 163                         |  |                                     |                           | 13                          |  |                                     |                           |     |

|           |     |     |        |            |    |    |        |           |
|-----------|-----|-----|--------|------------|----|----|--------|-----------|
|           |     | 172 | 50.00  | <b>318</b> |    | 12 | 50.00  | <b>22</b> |
| 363+50    | 180 |     |        |            | 10 |    |        |           |
|           |     | 174 | 50.00  | <b>322</b> |    | 9  | 50.00  | <b>17</b> |
| 364+00    | 167 |     |        |            | 8  |    |        |           |
|           |     | 188 | 50.00  | <b>348</b> |    | 8  | 50.00  | <b>15</b> |
| 364+50    | 208 |     |        |            | 8  |    |        |           |
|           |     | 227 | 50.00  | <b>420</b> |    | 8  | 50.00  | <b>14</b> |
| 365+00    | 245 |     |        |            | 7  |    |        |           |
|           |     | 240 | 50.00  | <b>444</b> |    | 7  | 50.00  | <b>13</b> |
| 365+50    | 234 |     |        |            | 6  |    |        |           |
|           |     | 207 | 50.00  | <b>383</b> |    | 5  | 50.00  | <b>10</b> |
| 366+00    | 179 |     |        |            | 4  |    |        |           |
|           |     | 154 | 50.00  | <b>285</b> |    | 5  | 50.00  | <b>10</b> |
| 366+50    | 128 |     |        |            | 6  |    |        |           |
|           |     | 127 | 101.17 | <b>476</b> |    | 3  | 101.17 | <b>12</b> |
| 367+51.17 | 126 |     |        |            | 0  |    |        |           |

375

376

Total cuts, yd<sup>3</sup> **5,787**Total fills, yd<sup>3</sup> **1,335**

(Area 1 + Area 2) ÷ 2 = Average End Area  
ft<sup>2</sup> — square foot

Average End Area × Length ÷ 27 = Volume  
yd<sup>3</sup> — cubic yard