

INDEX OF DRAWINGS

- 1 General Plan & Elevation, Structure No. 016-Z010
- 2 Bill of Material and General Notes, Structure No. 016-Z010
- 3 Plan and Elevation, Structure No. 016-Z010
- 4 Plan and Elevation, Structure No. 016-Z010
- 5 Plan and Elevation, Structure No. 016-Z010
- 6 Typical Sections and Details, Structure No. 016-Z010
- 7 Miscellaneous Details, Structure No. 016-Z010
- 8 Log of Borings, Structure No. 016-Z010
- 9 Log of Borings, Structure No. 016-Z010
- 10 Log of Borings, Structure No. 016-Z010

GENERAL NOTES

Structural steel for soldier piles shall be AASHTO M270 Grade 50.
 Reinforcement bars designated (E) shall be epoxy coated.

PILE DATA

Type - HP 14x73

SUMMARY BILL OF MATERIALS

| DESCRIPTION | UNIT | QUANTITY |
|---|---------|----------|
| Structure Excavation | Cu. Yd. | 300 |
| Concrete Structures | Cu. Yd. | 112.6 |
| * Form Liner Textured Surface | Sq. Ft. | 2630 |
| Stud Shear Connectors | Each | 377 |
| Reinforcement Bars, Epoxy Coated | Pound | 14,090 |
| Name Plates | Each | 1 |
| Geocomposite Wall Drain | Sq. Yd. | 211 |
| Pipe Underdrains for Structures, 4" | Foot | 390 |
| Concrete Gutter, Type B | Foot | 390 |
| Driving Soldier Piles | Foot | 1200 |
| Chain Link Fence, 42" Attached to Structure (Special) | Foot | 390 |
| Untreated Timber Lagging | Sq. Ft. | 2358 |
| Furnishing Soldier Piles (HP Section) | Foot | 1200 |

* Ashlar Stone pattern, minimum 3/4" relief

PILE DATA TABLE

| Pile No. | Measured along \perp Pile | | | | Dist. | Top of Wall | Top of Pile | Bott. of Pile | Length | Shear Studs |
|----------|-----------------------------|--------------|-----------|--------|-------|-------------|-------------|---------------|--------|-------------|
| | Northing | Easting | Station | Offset | | | | | | |
| 200 | 1,106,312.12 | 1,941,678.10 | 180+53.86 | 61.45 | 3.86 | 641.21 | 639.54 | 618.00 | 21.54 | 5 |
| 201 | 1,106,312.62 | 1,941,685.08 | 180+60.84 | 62.01 | 6.98 | 641.60 | 639.93 | 618.00 | 21.93 | 5 |
| 202 | 1,106,313.18 | 1,941,693.06 | 180+68.81 | 62.64 | 7.97 | 642.04 | 640.37 | 618.00 | 22.37 | 6 |
| 203 | 1,106,313.75 | 1,941,701.04 | 180+76.79 | 63.28 | 7.97 | 642.48 | 640.81 | 618.00 | 22.81 | 6 |
| 204 | 1,106,314.31 | 1,941,709.02 | 180+84.76 | 63.92 | 7.97 | 642.92 | 641.25 | 618.00 | 23.25 | 7 |
| 205 | 1,106,314.88 | 1,941,717.00 | 180+92.74 | 64.56 | 7.97 | 643.36 | 641.69 | 618.00 | 23.69 | 7 |
| 206 | 1,106,315.44 | 1,941,724.98 | 181+00.71 | 65.20 | 7.97 | 643.80 | 642.13 | 618.00 | 24.13 | 7 |
| 207 | 1,106,316.01 | 1,941,732.96 | 181+08.69 | 65.83 | 7.97 | 644.24 | 642.57 | 618.00 | 24.57 | 7 |
| 208 | 1,106,316.58 | 1,941,740.94 | 181+16.66 | 66.47 | 7.97 | 644.68 | 643.01 | 618.00 | 25.01 | 8 |
| 209 | 1,106,317.14 | 1,941,748.92 | 181+24.64 | 67.11 | 7.97 | 645.12 | 643.45 | 618.00 | 25.45 | 8 |
| 210 | 1,106,317.71 | 1,941,756.90 | 181+32.61 | 67.75 | 7.97 | 645.56 | 643.89 | 618.00 | 25.89 | 8 |
| 211 | 1,106,318.27 | 1,941,764.88 | 181+40.59 | 68.39 | 7.97 | 646.00 | 644.33 | 618.00 | 26.33 | 8 |
| 212 | 1,106,318.84 | 1,941,772.86 | 181+48.56 | 69.02 | 7.97 | 646.44 | 644.77 | 618.00 | 26.77 | 8 |
| 213 | 1,106,319.40 | 1,941,780.84 | 181+56.53 | 69.66 | 7.97 | 646.88 | 645.21 | 618.00 | 27.21 | 8 |
| 214 | 1,106,319.97 | 1,941,788.82 | 181+64.51 | 70.30 | 7.97 | 647.32 | 645.65 | 618.00 | 27.65 | 8 |
| 215 | 1,106,320.53 | 1,941,796.80 | 181+72.48 | 70.94 | 7.97 | 647.76 | 646.09 | 618.00 | 28.09 | 8 |
| 216 | 1,106,321.10 | 1,941,804.78 | 181+80.46 | 71.58 | 7.97 | 648.20 | 646.53 | 618.00 | 28.53 | 8 |
| 217 | 1,106,321.66 | 1,941,812.76 | 181+88.43 | 72.21 | 7.97 | 648.64 | 646.97 | 618.00 | 28.97 | 8 |
| 218 | 1,106,322.23 | 1,941,820.74 | 181+96.41 | 72.85 | 7.97 | 649.08 | 647.41 | 618.00 | 29.41 | 8 |
| 219 | 1,106,322.45 | 1,941,829.00 | 182+04.66 | 73.15 | 8.25 | 649.52 | 647.85 | 618.00 | 29.85 | 8 |
| 220 | 1,106,322.38 | 1,941,836.85 | 182+12.52 | 73.15 | 7.85 | 649.96 | 648.29 | 618.00 | 30.29 | 8 |
| 221 | 1,106,322.30 | 1,941,844.85 | 182+20.52 | 73.15 | 8.00 | 650.40 | 648.73 | 618.00 | 30.73 | 8 |
| 222 | 1,106,322.23 | 1,941,852.85 | 182+28.52 | 73.15 | 8.00 | 650.84 | 649.17 | 618.00 | 31.17 | 8 |
| 223 | 1,106,322.16 | 1,941,860.85 | 182+36.52 | 73.15 | 8.00 | 651.28 | 649.61 | 618.00 | 31.61 | 8 |
| 224 | 1,106,322.08 | 1,941,868.85 | 182+44.52 | 73.15 | 8.00 | 651.72 | 650.05 | 618.00 | 32.05 | 8 |
| 225 | 1,106,322.01 | 1,941,876.85 | 182+52.52 | 73.15 | 8.00 | 652.16 | 650.49 | 618.00 | 32.49 | 8 |
| 226 | 1,106,321.94 | 1,941,884.85 | 182+60.52 | 73.15 | 8.00 | 652.60 | 650.93 | 618.00 | 32.93 | 8 |
| 227 | 1,106,321.86 | 1,941,892.85 | 182+68.52 | 73.15 | 8.00 | 653.04 | 651.37 | 618.00 | 33.37 | 8 |
| 228 | 1,106,321.79 | 1,941,900.85 | 182+76.52 | 73.15 | 8.00 | 653.48 | 651.81 | 618.00 | 33.81 | 8 |
| 229 | 1,106,321.72 | 1,941,908.85 | 182+84.52 | 73.15 | 8.00 | 653.92 | 652.25 | 618.00 | 34.25 | 8 |
| 230 | 1,106,321.65 | 1,941,916.85 | 182+92.52 | 73.15 | 8.00 | 654.36 | 652.69 | 618.00 | 34.69 | 8 |
| 231 | 1,106,321.57 | 1,941,924.85 | 183+00.52 | 73.15 | 8.00 | 654.80 | 653.13 | 618.00 | 35.13 | 9 |
| 232 | 1,106,321.50 | 1,941,932.85 | 183+08.52 | 73.15 | 8.00 | 655.24 | 653.57 | 618.00 | 35.57 | 9 |
| 233 | 1,106,321.43 | 1,941,940.85 | 183+16.52 | 73.15 | 8.00 | 655.68 | 654.01 | 618.00 | 36.01 | 9 |
| 234 | 1,106,321.35 | 1,941,948.85 | 183+24.52 | 73.15 | 8.00 | 656.12 | 654.45 | 618.00 | 36.45 | 9 |
| 235 | 1,106,321.28 | 1,941,956.84 | 183+32.52 | 73.15 | 8.00 | 656.56 | 654.89 | 618.00 | 36.89 | 9 |
| 236 | 1,106,321.21 | 1,941,964.84 | 183+40.52 | 73.15 | 8.00 | 657.00 | 655.33 | 618.00 | 37.33 | 9 |
| 237 | 1,106,321.13 | 1,941,972.84 | 183+48.52 | 73.15 | 8.00 | 657.44 | 655.77 | 618.00 | 37.77 | 9 |
| 238 | 1,106,321.06 | 1,941,980.84 | 183+56.52 | 73.15 | 8.00 | 657.88 | 656.21 | 618.00 | 38.21 | 9 |
| 239 | 1,106,320.99 | 1,941,988.84 | 183+64.52 | 73.15 | 8.00 | 658.32 | 656.65 | 618.00 | 38.65 | 8 |
| 240 | 1,106,320.91 | 1,941,996.84 | 183+72.52 | 73.15 | 8.00 | 658.76 | 657.09 | 618.00 | 39.09 | 8 |
| 241 | 1,106,320.84 | 1,942,004.84 | 183+80.52 | 73.15 | 8.00 | 659.20 | 657.53 | 618.00 | 39.53 | 8 |
| 242 | 1,106,320.77 | 1,942,012.84 | 183+88.52 | 73.15 | 8.00 | 659.64 | 657.97 | 618.00 | 39.97 | 8 |
| 243 | 1,106,320.70 | 1,942,020.84 | 183+96.52 | 73.15 | 8.00 | 660.08 | 658.41 | 618.00 | 40.41 | 7 |
| 244 | 1,106,320.62 | 1,942,028.84 | 184+04.52 | 73.15 | 8.00 | 660.52 | 658.85 | 618.00 | 40.85 | 7 |
| 245 | 1,106,320.55 | 1,942,036.84 | 184+12.52 | 73.15 | 8.00 | 660.96 | 659.29 | 618.00 | 41.29 | 7 |
| 246 | 1,106,320.48 | 1,942,044.84 | 184+20.52 | 73.15 | 8.00 | 661.40 | 659.73 | 618.00 | 41.73 | 6 |
| 247 | 1,106,320.40 | 1,942,052.84 | 184+28.52 | 73.15 | 8.00 | 661.84 | 660.17 | 618.00 | 42.17 | 6 |
| 248 | 1,106,320.34 | 1,942,059.84 | 184+35.51 | 73.15 | 7.00 | 662.28 | 660.61 | 618.00 | 42.61 | 6 |

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|--|------------------------|----------------|---------|---|--|---------------------------|----------|--------|--------------|-----------|
| | USER NAME = | DESIGNED - SEA | REVISED | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BILL OF MATERIAL AND GENERAL NOTES STRUCTURE NO. 016-Z010 | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = | CHECKED - CJE | REVISED | | | 330 | 0105-WRS | COOK | 537 | 311 |
| | PLOT DATE = 10/19/2012 | DRAWN - SCS | REVISED | | | CONTRACT NO. 60P35 | | | | |
| | | CHECKED - SEA | REVISED | | | ILLINOIS FED. AID PROJECT | | | | |