



Lilac Estates Improvements

Engineers Cost Estimate

10/22/21

PEB

3581-03

| Description | Item | Unit | Unit Price | Amount | |
|---|------|------------|------------|-------------|--------------|
| Culinary Water | | | | | |
| 6" Fire Hydrant W/ Acc. Valve | | 1 ea | \$4,500.00 | \$4,500.00 | |
| Service Laterals | | 23 ea | \$1,680.00 | \$38,640.00 | |
| 8" Gate Valve | | 3 ea | \$1,740.00 | \$5,220.00 | |
| Connection to Existing | | 2 ea | \$3,250.00 | \$6,500.00 | |
| Valve Collars | | 3 ea | \$400.00 | \$1,200.00 | |
| Test & Chlorinate | | 1 l.s. | \$3,500.00 | \$3,500.00 | |
| 8" PVC Pipe & Fittings | | 651 l.f. | \$32.00 | \$20,836.80 | |
| Engineered Trench Fill | | 289 c.y. | \$8.50 | \$2,459.90 | |
| | | | | | \$82,856.70 |
| Secondary Water | | | | | |
| Single Service Laterals | | 1 ea | \$1,650.00 | \$1,650.00 | |
| | | | | | \$1,650.00 |
| Sanitary Sewer | | | | | |
| 8" PVC Pipe & Fittings | | 427 l.f. | \$38.50 | \$16,456.83 | |
| Engineered Trench Fill | | 285 c.y. | \$8.50 | \$2,419.67 | |
| 5' Diameter Manhole | | 1 ea | \$3,450.00 | \$3,450.00 | |
| 4' Diameter Manhole | | 2 ea | \$3,150.00 | \$6,300.00 | |
| 4" Service Lateral | | 23 ea | \$1,350.00 | \$31,050.00 | |
| Manhole Collars | | 3 ea | \$400.00 | \$1,200.00 | |
| Test & Camera | | 1 l.s. | \$3,600.00 | \$3,600.00 | |
| Connection to Existing | | 1 ea | \$3,250.00 | \$3,250.00 | |
| | | | | | \$67,726.49 |
| Storm Drain | | | | | |
| 18" HDPE Pipe | | 11 l.f. | \$50.00 | \$571.00 | |
| 12" HDPE Pipe | | 129 l.f. | \$42.00 | \$5,397.42 | |
| 6" HDPE Pipe | | 332 l.f. | \$21.00 | \$6,969.48 | |
| Engineered Trench Fill | | 157 c.y. | \$8.50 | \$1,331.67 | |
| 4' x 4' Catch Basin w/ Grate | | 4 ea | \$2,890.00 | \$11,560.00 | |
| Control Box | | 1 ea | \$6,000.00 | \$6,000.00 | |
| Connection to Existing | | 1 ea | \$3,500.00 | \$3,500.00 | |
| Excavation of Detention Basin | | 1 l.s. | \$6,500.00 | \$6,500.00 | |
| | | | | | \$41,829.57 |
| Street Improvements | | | | | |
| 2' wide Flat Curb | | 464 l.f. | \$20.25 | \$9,385.88 | |
| 2.5" wide Curb and Gutter | | 56 l.f. | \$22.50 | \$1,260.00 | |
| Std. 4' wide Sidewalk | | 667 l.f. | \$23.50 | \$15,674.50 | |
| 6.5' wide Sidewalk | | 721 l.f. | \$38.25 | \$27,578.25 | |
| 9" Gravel Base and 3" Asphalt Surface | | 1,418 s.y. | \$27.00 | \$38,286.00 | |
| 6" Aggregate Base and 6" Concrete Surface-Driveways | | 1,289 s.y. | \$41.50 | \$53,479.67 | |
| 9" Compacted Road Base | | 2,735 s.y. | \$24.00 | \$65,640.00 | |
| Asphalt Chip & Seal | | 1 l.s. | \$400.00 | \$400.00 | |
| Saw-Cutting | | 136 l.f. | \$1.95 | \$265.20 | |
| Removal of Existing Curb & Gutter | | 30 l.f. | \$12.50 | \$375.00 | |
| Removal of Existing Asphalt | | 266 s.y. | \$5.25 | \$1,398.50 | |
| 2' wide Cross Gutter | | 409 l.f. | \$18.50 | \$7,573.90 | |
| Drainage Ditch | | 250 l.f. | \$5.00 | \$1,250.00 | |
| | | | | | \$222,566.89 |

Landscaping

| | | | |
|------------------------------|-------------|----------|-------------|
| Trees-2" caliper | 41 ea | \$650.00 | \$26,650.00 |
| Shrubs-5 gallon | 116 ea | \$50.00 | \$5,800.00 |
| Perennials-1 gallon | 169 ea | \$25.00 | \$4,225.00 |
| Lawn | 42,794 s.f. | \$0.75 | \$32,095.50 |
| Concrete curbing | 400 l.f. | \$4.00 | \$1,600.00 |
| Wood Mulch (shrubs)-3" depth | 6,783 s.f. | \$0.75 | \$5,087.25 |
| Topsoil (shrubs)-6" depth | 6,783 s.f. | \$1.60 | \$10,852.80 |
| Topsoil (sod)-3" depth | 6,783 s.f. | \$0.80 | \$5,426.40 |
| Irrigation (shrubs)-drip | 6,783 s.f. | \$0.80 | \$5,426.40 |
| Irrigation (sod)-spray | 42,794 s.f. | \$0.90 | \$38,514.60 |

\$135,677.95

Misc.

| | | | |
|---------------------|----------|------------|-------------|
| Street Signs | 6 ea | \$320.00 | \$1,920.00 |
| Street Lights | 1 ea | \$9,750.00 | \$9,750.00 |
| 6' Chain-Link Fence | 747 l.f. | \$14.50 | \$10,830.92 |
| ADA Ramps | 1 ea | \$1,450.00 | \$1,450.00 |
| SWPPP | 1 l.s. | \$6,500.00 | \$6,500.00 |

\$30,450.92

Subtotal

\$582,758.52

Contingency (10%)

\$ 58,275.85

Total Estimated Cost**\$641,034.37**