

# ENGINEERING COST ESTIMATE

## ENGINEERING SOLUTIONS

50 SE 30TH STREET  
LEE'S SUMMIT, MO

DATE:  
3/7/2024

PROJECT NAME:

**THE HAVEN AT DOUGLAS STATION**

SITE LOCATION:

3 NE SYCAMORE ST

Lee's Summit, MO

Application Number PL2023213

| ITEM AND DESCRIPTION                     | UNIT | ESTIMATED QUANTITY | LABOR AND MATERIAL COST PER UNIT | COST PER ITEM        |
|------------------------------------------|------|--------------------|----------------------------------|----------------------|
| ASPHALT PAVING                           | S.Y. | 10,397.00          | \$ 28.75                         | \$ 298,913.75        |
| PUBLIC SIDEWALK                          | S.F. | 4,385.00           | \$ 4.00                          | \$ 17,540.00         |
| PRIVATE SIDEWALK                         | S.F. | 16,350.00          | \$ 5.00                          | \$ 81,750.00         |
| GEOGRID                                  | S.Y. | 11,708.00          | \$ 3.25                          | \$ 38,051.00         |
| MoDOT Type 5 Base                        | S.Y. | 11,708.00          | \$ 6.50                          | \$ 76,102.00         |
| KCMMB ENTRANCE                           | UNIT | 2                  | \$ 1,750.00                      | \$ 1,750.00          |
| CURBING                                  | FT   | 3,630.00           | \$ 14.00                         | \$ 50,820.00         |
| ADA SIDEWALK RAMP                        | UNIT | 4                  | \$ 500.00                        | \$ 2,000.00          |
| SANITARY 6" PVC SDR 26 Service Line      | FT   | 418.00             | \$ 23.90                         | \$ 9,990.20          |
| TRACER WIRE AND EQUIPMENT                | FT   | 418.00             | \$ 1.00                          | \$ 418.00            |
| CLEARING, GRADING & GRUBBING             | LS   | 1                  | \$ 70,000.00                     | \$ 70,000.00         |
| SILT FENCE                               | FT   | 4,975.00           | \$ 1.25                          | \$ 6,218.75          |
| INLET PROTECTION                         | UNIT | 30                 | \$ 80.00                         | \$ 2,400.00          |
| SEEDING / MULCHING/ FERTILIZING          | AC   | 7.50               | \$ 1,200.00                      | \$ 9,000.00          |
| CONST. ENTRANCE                          | UNIT | 2                  | \$ 1,750.00                      | \$ 3,500.00          |
| STORM                                    |      |                    |                                  |                      |
| 36" HDPE                                 | FT   | 754.06             | \$ 60.00                         | \$ 45,243.60         |
| 24" HDPE                                 | FT   | 93.63              | \$ 30.50                         | \$ 2,855.72          |
| 18" HDPE                                 | FT   | 295.18             | \$ 30.50                         | \$ 9,002.99          |
| 15" HDPE                                 | FT   | 773.46             | \$ 27.70                         | \$ 21,424.84         |
| 5' x 5' JUNCTION BOX                     | EA   | 1                  | \$ 4,400.00                      | \$ 4,400.00          |
| 5' x 4' STORM CURB INLET                 | EA   | 13                 | \$ 3,800.00                      | \$ 49,400.00         |
| CONNECTION TO EXISTING STORM SEWER       | LS   | 1                  | \$ 500.00                        | \$ 500.00            |
| 4' x 4' STORM FIELD INLET                | EA   | 3                  | \$ 4,500.00                      | \$ 13,500.00         |
| 2" Type K Soft Copper Water Service Line | FT   | 815.00             | \$ 20.00                         | \$ 16,300.00         |
| WATER METER                              | UNIT | 1                  | \$ 150.00                        | \$ 150.00            |
| 8" C900 DR18 CLASS 200 PVC               | FT   | 762.41             | \$ 35.00                         | \$ 26,684.35         |
| THRUST BLOCKS                            | UNIT | 7                  | \$ 400.00                        | \$ 2,800.00          |
| FIRE HYDRANT ASSEMBLY                    | UNIT | 2                  | \$ 5,100.00                      | \$ 10,200.00         |
| BACKFLOW VAULT                           | UNIT | 1                  | \$ 7,500.00                      | \$ 7,500.00          |
| 8" GATE VALVE/ VALVE BOX & COVER         | UNIT | 1                  | \$ 1,200.00                      | \$ 1,200.00          |
| TEES, BENDS, CROSSES                     | LS   | 7                  | \$ 550.00                        | \$ 3,850.00          |
|                                          |      |                    |                                  |                      |
|                                          |      |                    |                                  |                      |
|                                          |      |                    | <b>Total Cost =</b>              | <b>\$ 883,465.20</b> |