

August 6, 2018  
 Rev 1 September 21, 2018

**Ms. Sue Pyles**  
 Senior Staff Engineer  
 220 SE Green St.  
 Lee's Summit, MO 64063

**Re: IBC, Lee's Summit, MO.**  
**Engineer's Estimate of Probable Construction Costs**

**OPINION OF PROBABLE CONSTRUCTION COST**

**Water Service:**

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	8"x1" Service Tap (installed)	1 each	\$800.00	\$800.00
2	Water Service Meter Vault (installed)	1 ls	\$2,500.00	\$2,500.00
3	1.5" Copper Service Line (installed)	226 lf	\$25.00	\$5,650.00
4	1" Water Meter (installed)	1 ls	\$5,000.00	\$5,000.00
5	Fire Hydrant Assembly (includes Valves and fittings) (installed).	1 ls	\$3,500.00	\$3,500.00
6	6" C900 water line (installed)	43 lf	\$32.00	\$1,376.00
Subtotal probable construction cost for Water Service:				<u>\$18,826.00</u>

**Storm Sewer:**

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	6" HDPE Storm Sewer Pipe (installed)	138 lf	\$10.00	\$1,380.00
2	30" HDPE Storm Sewer Pipe (installed)	273 lf	\$55.00	\$15,015.00
3	18" HDPE Storm Sewer Pipe (installed)	66 lf	\$35.00	\$2,310.00
4	Connection to Existing Curb Inlet (installed)	1 each	\$1,500.00	\$1,500.00

5	5'x4' Curb Inlet (installed)	1 each	\$4,500.00	\$4,500.00
6	30" Nyloplast Drain Basin (installed)	1 each	\$350.00	\$350.00
7	4'x4' Junction Box (installed)	1 each	\$3,000.00	\$3,000.00
8	8" HDPE Storm Sewer Pipe (installed)	60 lf	\$12.00	\$72.00
9	12" HDPE Storm Sewer Pipe (installed)	150 lf	\$15.00	\$2,250.00

Subtotal probable construction cost for Storm Sewer: \$30,377.00

**Sanitary Sewer:**

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	4" PVC SDR-35 Sewer Line (installed)	234 lf	\$35.00	\$8,190.00
2	4" - 45° fittings & Cleanout (installed)	1 ls	\$500.00	\$500.00
3	4" service wye connection (installed)	1 ls	\$2,500.00	\$2,500.00

Subtotal probable construction cost for Sanitary Sewer: \$11,190.00

**Site Grading:**

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	Site Grading (less building pad and subgrade.)	1 ls	\$15,000.00	\$15,000.00
2	Parking Lot Grading (less building pad and subgrade.)	1 ls	\$5,000.00	\$5,000.00

Subtotal probable construction cost for Site Grading: \$20,000.00

**Sod and Restoration:**

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	Sodding (installed)	1 ls	\$7,500.00	\$7,500.00
2	Site restoration (installed as needed)	1 ls	\$3,500.00	\$3,500.00

Subtotal probable construction cost for Sod and Restoration: \$11,000.00



**Erosion and Sediment Control:**

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	Silt Fence (installed as needed)	1,020 lf	\$6.00	\$6,120.00
2	Inlet Protection (installed)	4 each	\$450.00	\$1,800.00
3	Temporary Construction Entrance (installed)	1 each	\$545.00	\$545.00

Subtotal probable construction cost for  
Erosion and Sediment Control:

\$8,465.00

**Concrete and Asphalt:**

<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1	Curb and Gutter (installed)	983 lf	\$15.50	\$15,236.50
2	Concrete Commercial Entrance (installed)	616 sqft	\$9.00	\$5,544.00
3	Concrete Pavement (installed)	9,410 sqft	\$6.25	\$58,812.50
4	Asphalt Pavement (installed)	6,017 sqft	\$3.00	\$18,051.00
5	Clean Gravel Pavement (installed)	11,112 sqft	\$1.50	\$16,668.00
6	ADA-accessible ramps (installed)	1 each	\$1,500.00	\$1,500.00
7	Aggregate base (installed)	15,756 sqft	\$1.50	\$23,634.00
8	Geogrid or Subgrade Stabilization (installed)	15,756 sqft	\$1.00	\$15,756.00

Subtotal probable construction cost for  
Concrete and Asphalt:

\$155,201.50

**Total probable construction cost for the project:**

**\$255,059.50**

Please feel free to give me a call or email if you have any questions.

Sincerely,

Andy Haase

