

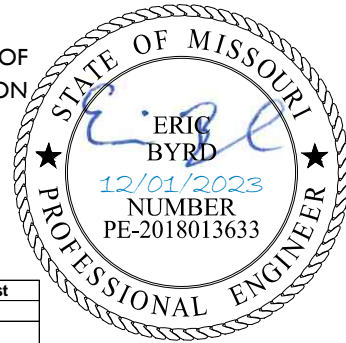


7101 College Blvd., Suite 400  
Overland Park, KS 66210  
(913) 663-1900 - p  
(913) 663-1633 - f

ENGINEER'S OPINION OF  
PROBABLE CONSTRUCTION  
COSTS

Project: John Knox Village Courtyards Building E Private Improvements

Date: December 1, 2023



No.	Bid Item	Units	Quantity*	Unit Cost	Total Cost
<b>Erosion Control</b>					
1	Silt fence	LF	725	\$1.50	\$1,087.50
2	Inlet protection	EA	7	\$150.00	\$1,050.00
3	Construction entrance	EA	1	\$2,000.00	\$2,000.00
	<b>Subtotal</b>				<b>\$4,137.50</b>
<b>Grading</b>					
1	18" LVC Material	Ton	2,000	\$20.00	\$40,000.00
2	Cut/Fill operations	CY	3,000	\$2.00	\$6,000.00
	<b>Subtotal</b>				<b>\$46,000.00</b>
<b>Paving</b>					
1	Traffic control	LS	1	\$5,000.00	\$5,000.00
2	Construction fence	LF	1,050	\$10.00	\$10,500.00
3	Signage	EA	11	\$500.00	\$5,500.00
4	Retaining Wall	SF	700	\$35.00	\$24,500.00
5	Site handrails	LF	225	\$100.00	\$22,500.00
6	Concrete curb and gutter	LF	1,130	\$25.00	\$28,250.00
7	Concrete sidewalk	SF	9,800	\$7.00	\$68,600.00
8	ADA ramp	EA	8	\$1,500.00	\$12,000.00
9	Medium duty asphalt pavement (7")	SY	785	\$27.00	\$21,195.00
10	Light duty asphalt pavement (6")	SY	385	\$22.00	\$8,470.00
11	Asphalt mill and overlay (2")	SF	1,700	\$15.00	\$25,500.00
12	Aggregate base (6")	SY	1,170	\$15.00	\$17,550.00
13	Aggregate base (4")	SY	1,089	\$10.00	\$10,888.89
14	Flyash treatment (6")	SY	2,259	\$5.00	\$11,294.44
	<b>Subtotal</b>				<b>\$271,748.33</b>
<b>Utilities</b>					
1	Fire hydrant	EA	1	\$5,000.00	\$5,000.00
2	Fire service line (6")	LF	43	\$60.00	\$2,580.00
3	Domestic water line (3")	LF	43	\$40.00	\$1,720.00
4	Water valves	EA	1	\$1,500.00	\$1,500.00
5	Domestic service tap	EA	1	\$1,000.00	\$1,000.00
6	Fire service tee	EA	1	\$2,000.00	\$2,000.00
7	Fire service backflow and vault	EA	1	\$20,000.00	\$20,000.00
8	Curb inlet	EA	1	\$5,000.00	\$5,000.00
9	Junction box	EA	3	\$3,000.00	\$9,000.00
10	Landscape drain	EA	3	\$1,500.00	\$4,500.00
11	6" HDPE storm pipe	LF	48	\$35.00	\$1,680.00
12	8" HDPE storm pipe	LF	13	\$40.00	\$520.00
13	15" HDPE storm pipe	LF	35	\$45.00	\$1,575.00
14	24" HDPE storm pipe	LF	590	\$70.00	\$41,300.00
15	4' diameter precast sanitary manhole	EA	5	\$5,000.00	\$25,000.00
16	10" PVC sanitary main	LF	533	\$75.00	\$39,975.00
17	8" PVC sanitary service	LF	18	\$60.00	\$1,080.00
18	4" PVC sanitary service	LF	97	\$40.00	\$3,880.00
19	Sanitary tee connection	EA	1	\$500.00	\$500.00
20	Sanitary cleanout	EA	1	\$1,000.00	\$1,000.00
21	Sanitary main removal	LF	157	\$15.00	\$2,355.00
22	Sanitary manhole removal	EA	1	\$2,000.00	\$2,000.00
23	Storm pipe removal	LF	185	\$15.00	\$2,775.00
24	Storm structure removal	EA	2	\$2,000.00	\$4,000.00
	<b>Subtotal</b>				<b>\$179,940.00</b>
<b>Landscaping</b>					
1	Tree	EA	30	\$500.00	\$15,000.00
2	Shrub	EA	400	\$100.00	\$40,000.00
3	Rock mulch	SY	160	\$12.00	\$1,920.00
4	Wood mulch	SY	1,220	\$9.00	\$10,980.00
5	Sod	SY	2,500	\$4.00	\$10,000.00
	<b>Subtotal</b>				<b>\$77,900.00</b>
	<b>Total:</b>				<b>\$579,725.83</b>

Note: The costs shown on this estimate represent an estimate of probable costs prepared in good faith and with reasonable care. BHC has no control over the costs of construction labor, materials, or equipment, nor over competitive bidding or negotiating methods and does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from this estimate. This estimate does not include costs for right-of-way, utility relocation, and engineering administration.