



ENGINEER'S ESTIMATE - FINAL PLANS

Client: City of Lee's Summit
Project: The Princeton Senior Living - Private Site Improvements
Project Number: 018-1450
Date: 7/19/2018

	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST \$	COST \$
1	Mobilization	1	Lump Sum	\$65,000.00	\$65,000.00
2	Tree Removal	1	EA	\$500.00	\$500.00
3	8" Sanitary Sewer Line	202	LF	\$100.00	\$20,200.00
4	5' O.D. Manhole	1	EA	\$6,500.00	\$6,500.00
6	4" Domestic Water Service Line	281	LF	\$35.00	\$9,835.00
7	Concrete Meter Vault, 12.33' x 7.33' O.D.	1	EA	\$12,000.00	\$12,000.00
8	3" Water Meter	1	EA	\$10,500.00	\$10,500.00
9	Sump Pump, within Meter Vault	1	EA	\$500.00	\$500.00
10	2" PVC Pipe (from sump pump)	22	LF	\$30.00	\$660.00
11	8" C900 Pipe	2,043	LF	\$42.00	\$85,806.00
12	8" Gate Valve	1	EA	\$1,500.00	\$1,500.00
13	6" Gate Valve	1	EA	\$1,200.00	\$1,200.00
14	8" x 8" x 8" TEE	1	EA	\$352.00	\$352.00
15	8" x 6" x 8" TEES	3	EA	\$400.00	\$1,200.00
16	8" X 8" X 6" TEES	4	EA	\$312.00	\$1,248.00
17	8" 90° ELLS	2	EA	\$250.00	\$500.00
18	8" 45° ELLS	8	EA	\$209.00	\$1,672.00
19	8" 22 1/2° ELLS	2	EA	\$250.00	\$500.00
20	8" 11 1/4° ELLS	2	EA	\$250.00	\$500.00
21	Backflow Prevention Vault, 12.33' x 7.33' O.D.	2	EA	\$12,000.00	\$24,000.00
22	Sump Pump , within Backflow Prevention Vault	2	EA	\$500.00	\$1,000.00
23	2" PVC Pipe (from sump pump)	135	LF	\$30.00	\$4,050.00
24	6" Fire Hydrant and Assembly	6	EA	\$3,500.00	\$21,000.00
25	4" Domestic Water Service Thrust Blocks	3	EA	\$20.00	\$60.00
26	8" Fire Service Thrust Blocks	19	EA	\$30.00	\$570.00
27	6" Fire Service Thrust Block	1	EA	\$24.00	\$24.00
28	Earthwork, Cut - to top of finish grade	26,626	CY	\$20.00	\$532,520.00
29	Earthwork, Fill - to top of finish grade, excluding topsoil	14,845	CY	\$20.00	\$296,900.00
30	Concrete Wheel Stops	87	EA	\$60.00	\$5,220.00
31	Concrete Retaining Wall with Handrail	147	LF	\$165.00	\$24,255.00
32	Paving Aggregate Base	11,984	SY	\$6.75	\$80,892.00
33	Sidewalk, Turndown	337	SY	\$50.00	\$16,850.00
34	Sidewalk, Flush	250	SY	\$45.00	\$11,250.00
35	Sidewalk, Standard	3,146	SY	\$45.00	\$141,570.00
36	Curb, Catch	2,329	LF	\$25.00	\$58,225.00
37	Curb, Spill	1,072	LF	\$25.00	\$26,800.00
38	Curb, Straight	320	LF	\$20.00	\$6,400.00
39	Curb, Flush	1,047	LF	\$20.00	\$20,940.00
40	Asphalt, Heavy Duty	7,357	SY	\$25.00	\$183,925.00
41	Asphalt, Light Duty	3,213	SY	\$22.00	\$70,686.00
42	Concrete, Heavy Duty	109	SY	\$65.00	\$7,085.00
43	Lawn, Sod	20,485	SY	\$6.00	\$122,910.00
44	Native Grass Seed (with mulch)	1	AC	\$12,000.00	\$9,840.00
45	Topsoil (with fertilizer), 6" depth	110,042	CF	\$0.80	\$88,033.60
46	Rip Rap	53	CY	\$120.00	\$6,360.00
47	SWPPP Sign	1	EA	\$500.00	\$500.00
48	Concrete Washout	1	EA	\$1,300.00	\$1,300.00
49	Construction Enty/Exit Pad	116	SY	\$22.00	\$2,552.00
50	Filter Sock	1,746	LF	\$3.50	\$6,111.00
51	Curb Inlet Protection	10	EA	\$320.00	\$3,200.00
52	Flared End Section Protection	1	EA	\$320.00	\$320.00
53	Area Inlet Protection	21	EA	\$320.00	\$6,720.00
54	6" HDPE	19	LF	\$24.00	\$456.00
55	8" HDPE	1,072	LF	\$26.00	\$27,872.00
56	10" HDPE	668	LF	\$30.00	\$20,040.00
57	12" Polypropylene (HP) Storm	911	LF	\$60.00	\$54,660.00
58	12" Sch. 40 PVC	47	LF	\$52.00	\$2,444.00
59	15" Polypropylene (HP) Storm	253	LF	\$70.00	\$17,710.00
60	15" Sch. 40 PVC	77	LF	\$55.00	\$4,235.00
61	18" Polypropylene (HP) Storm	348	LF	\$80.00	\$27,840.00
62	18" Sch. 40 PVC	46	LF	\$65.00	\$2,990.00
63	24" Polypropylene (HP) Storm	1,048	LF	\$90.00	\$94,320.00
64	30" Polypropylene (HP) Storm	537	LF	\$100.00	\$53,700.00
65	12" Flared End Section	2	EA	\$700.00	\$1,400.00
66	18" Flared End Section	2	EA	\$800.00	\$1,600.00
67	24" Flared End Section	2	EA	\$950.00	\$1,900.00

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68	30" Flared End Section	1	EA	\$1,050.00	\$1,050.00
69	8" Nyloplast Drain Basin with Standard Grate	5	EA	\$1,650.00	\$8,250.00
70	10" Nyloplast Drain Basin with Standard Grate	9	EA	\$1,800.00	\$16,200.00
71	12" Nyloplast Drain Basin with Standard Grate	7	EA	\$1,900.00	\$13,300.00
72	15" Nyloplast Drain Basin with Standard Grate	8	EA	\$2,000.00	\$16,000.00
73	18" Nyloplast Drain Basin with Standard Grate	5	EA	\$2,200.00	\$11,000.00
74	24" Nyloplast Drain Basin with Grate	6	EA	\$2,500.00	\$15,000.00
75	30" Nyloplast Drain Basin with Solid Lid	8	EA	\$2,800.00	\$22,400.00
76	Double 2' X 3' Curb Inlet & High Capacity Grate w/ 30" Nyloplast Drain Basin	2	EA	\$5,000.00	\$10,000.00
77	4' X 4' I.D. Precast Junction Box	1	EA	\$4,500.00	\$4,500.00
78	4' X 4' I.D. Outlet Structure	4	EA	\$6,500.00	\$26,000.00
79	Clean-out	16	EA	\$250.00	\$4,000.00
Opinion of Probable Cost					\$2,461,108.60

The Engineer, using his or her professional judgment, has developed this stated Opinion of Probable Construction Cost based upon the design status identified above. Development of this Opinion has included consideration of design input level; however, the circumstances under which the work is expected to be undertaken, the cost and availability of materials, labor and services, probable bidder response and the economic conditions at the time of bid solicitation are beyond the control of the Engineer and will impact actual bid costs. Should bidding be delayed, these costs should be reviewed and, if necessary, adjusted to a more applicable *Engineering News Record* Construction Cost Index.

