

**ENGINEER'S ESTIMATE OF CONSTRUCTION COSTS
SANITARY SEWER REPLACEMENT
HIGHLAND STREET
SMITHVILLE, MO
February 24, 2021**

Item No.	Description	Quantity	Unit	Unit Price \$	Price \$	Linaweaver		Site Rite Construction	Engemann Drainage	Infrastructure Solutions	Sands Construction	She Digs It, LLC	Menke Excavating	Earthworks Excavation	Blue Moon Hauling Excavation								
						unit price	total																
1	Mobilization (Max. 3% Total Bid)	1	LS	6,500.00	\$6,500.00	\$ 5,000.00	\$ 5,000.00	\$ 6,105.00	\$ 6,105.00	\$ 7,500.00	\$ 7,500.00	\$ 3,283.37	\$ 3,283.37	\$ 7,706.00	\$ 7,706.00	\$ 7,438.00	\$ 7,438.00	\$ 4,491.00	\$ 4,491.00	\$ 5,400.00	\$ 5,400.00	\$ 5,712.00	\$ 5,712.00
2	Demolition and Removal	1	LS	15,000.00	\$15,000.00	\$ 30,000.00	\$ 30,000.00	\$ 22,444.00	\$ 22,444.00	\$ 18,500.00	\$ 18,500.00	\$21,328.83	\$ 21,328.83	\$ 45,000.00	\$ 45,000.00	#####	\$ 25,182.00	\$ 9,378.00	\$ 9,378.00	\$ 4,100.00	\$ 4,100.00	\$ 8,507.00	\$ 8,507.00
3	Traffic Control	1	LS	4,000.00	\$4,000.00	\$ 1,200.00	\$ 1,200.00	\$ 3,369.00	\$ 3,369.00	\$ 7,500.00	\$ 7,500.00	\$ 6,389.43	\$ 6,389.43	\$ 7,500.00	\$ 7,500.00	\$ 3,950.00	\$ 3,950.00	\$ 1,800.00	\$ 1,800.00	\$ 8,160.00	\$ 8,160.00	\$ 2,592.00	\$ 2,592.00
4	8 IN PVC SDR 26 Sewer Pipe	573	LF	65.00	\$37,245.00	\$ 92.50	\$ 53,002.50	\$ 95.03	\$ 54,452.19	\$ 114.00	\$ 65,322.00	\$ 37.19	\$ 21,309.87	\$ 90.00	\$ 51,570.00	\$ 103.00	\$ 59,019.00	\$ 33.48	\$ 19,184.04	\$ 106.00	\$ 60,738.00	\$ 91.60	\$ 52,486.80
5	4 FT DIA Standard Sewer Manhole	6	EA	5,000.00	\$30,000.00	\$ 3,500.00	\$ 21,000.00	\$ 4,222.67	\$ 25,336.02	\$ 4,500.00	\$ 27,000.00	\$ 2,811.32	\$ 16,867.92	\$ 4,195.00	\$ 25,170.00	\$ 5,400.00	\$ 32,400.00	\$ 3,006.90	\$ 18,041.40	\$ 5,160.00	\$ 30,960.00	\$ 3,558.00	\$ 21,348.00
6	Service Lateral Wye/Tee (8 IN x 4 IN)	3	EA	650.00	\$1,950.00	\$ 200.00	\$ 600.00	\$ 143.00	\$ 429.00	\$ 500.00	\$ 1,500.00	\$ 1,452.72	\$ 4,358.16	\$ 620.00	\$ 1,860.00	\$ 120.00	\$ 360.00	\$ 482.00	\$ 1,446.00	\$ 820.00	\$ 2,460.00	\$ 240.00	\$ 720.00
7	4 IN PVC SDR 35 Service Lateral Pipe	131	LF	65.00	\$8,515.00	\$ 42.00	\$ 5,502.00	\$ 89.13	\$ 11,676.03	\$ 50.00	\$ 6,550.00	\$ 58.11	\$ 7,612.41	\$ 56.00	\$ 7,336.00	\$ 59.00	\$ 7,729.00	\$ 25.60	\$ 3,353.60	\$ 67.00	\$ 8,777.00	\$ 64.00	\$ 8,384.00
8	Service Lateral Cleanout	3	EA	800.00	\$2,400.00	\$ 450.00	\$ 1,350.00	\$ 263.34	\$ 790.02	\$ 750.00	\$ 2,250.00	\$ 1,770.43	\$ 5,311.29	\$ 1,392.00	\$ 4,176.00	\$ 290.00	\$ 870.00	\$ 832.26	\$ 2,496.78	\$ 187.00	\$ 561.00	\$ 750.00	\$ 2,250.00
9	1-1/4" Discharge Line (HDPE SDR 11)	288	LF	35.00	\$10,080.00	\$ 40.00	\$ 11,520.00	\$ 58.43	\$ 16,827.84	\$ 25.00	\$ 7,200.00	\$ 15.22	\$ 4,383.36	\$ 55.00	\$ 15,840.00	\$ 32.00	\$ 9,216.00	\$ 23.68	\$ 6,819.84	\$ 18.70	\$ 5,385.60	\$ 44.00	\$ 12,672.00
10	Package Grinder Pump Station	2	EA	8,000.00	\$16,000.00	\$ 5,500.00	\$ 11,000.00	\$ 10,574.00	\$ 21,148.00	\$ 9,500.00	\$ 19,000.00	\$ 7,618.40	\$ 15,236.80	\$ 8,950.00	\$ 17,900.00	\$ 8,100.00	\$ 16,200.00	\$ 8,076.40	\$ 16,152.80	\$ 3,507.00	\$ 7,014.00	\$ 8,038.00	\$ 16,076.00
11	Grinder Pump Electrical Service	2	EA	2,000.00	\$4,000.00	\$ 5,000.00	\$ 10,000.00	\$ 3,148.00	\$ 6,296.00	\$ 7,500.00	\$ 15,000.00	\$ 4,855.97	\$ 9,711.94	\$ 5,272.00	\$ 10,544.00	\$ 3,850.00	\$ 7,700.00	\$ 1,150.00	\$ 2,300.00	\$ 3,000.00	\$ 6,000.00	\$ 2,946.00	\$ 5,892.00
12	Check Valve and Ball Valve Kit	2	EA	1,000.00	\$2,000.00	\$ 850.00	\$ 1,700.00	\$ 821.00	\$ 1,642.00	\$ 250.00	\$ 500.00	\$ 686.32	\$ 1,372.64	\$ 950.00	\$ 1,900.00	\$ 645.00	\$ 1,290.00	\$ 450.00	\$ 900.00	\$ 600.00	\$ 1,200.00	\$ 481.00	\$ 962.00
13	3/4 IN Water Service Line	18	LF	75.00	\$1,350.00	\$ 50.00	\$ 900.00	\$ 65.23	\$ 1,174.14	\$ 20.00	\$ 360.00	\$ 73.75	\$ 1,327.50	\$ 54.00	\$ 972.00	\$ 27.00	\$ 486.00	\$ 41.38	\$ 744.84	\$ 168.00	\$ 3,024.00	\$ 28.00	\$ 504.00
14	Water Meter Pit Installation (Reuse Existing/City Provided Pit)	1	EA	750.00	\$750.00	\$ 400.00	\$ 400.00	\$ 230.00	\$ 230.00	\$ 2,500.00	\$ 2,500.00	\$ 954.77	\$ 954.77	\$ 1,250.00	\$ 1,250.00	\$ 312.00	\$ 312.00	\$ 605.00	\$ 605.00	\$ 420.00	\$ 420.00	\$ 367.00	\$ 367.00
15	Concrete Curb and Gutter	91	LF	50.00	\$4,550.00	\$ 50.00	\$ 4,550.00	\$ 48.71	\$ 4,432.61	\$ 50.00	\$ 4,550.00	\$ 51.11	\$ 4,651.01	\$ 32.00	\$ 2,912.00	\$ 64.00	\$ 5,824.00	\$ 42.00	\$ 3,822.00	\$ 171.00	\$ 15,561.00	\$ 42.50	\$ 3,867.50
16	2 IN Type 5-01 Asphaltic Concrete Surface	812	SY	35.00	\$28,420.00	\$ 26.00	\$ 21,112.00	\$ 32.51	\$ 26,398.12	\$ 26.50	\$ 21,518.00	\$ 51.11	\$ 41,501.32	\$ 18.00	\$ 14,616.00	\$ 32.00	\$ 25,984.00	\$ 31.60	\$ 25,659.20	\$ 68.00	\$ 55,216.00	\$ 25.00	\$ 20,300.00
17	7 IN Portland Cement Concrete Base	210	SY	100.00	\$21,000.00	\$ 65.00	\$ 13,650.00	\$ 44.80	\$ 9,408.00	\$ 75.00	\$ 15,750.00	\$ 106.38	\$ 22,339.80	\$ 65.00	\$ 13,650.00	\$ 67.00	\$ 14,070.00	\$ 43.24	\$ 9,080.40	\$ 70.00	\$ 14,700.00	\$ 36.00	\$ 7,560.00
18	42 IN Chain Link Fence	20	LF	50.00	\$1,000.00	\$ 45.00	\$ 900.00	\$ 21.10	\$ 422.00	\$ 37.50	\$ 750.00	\$ 25.56	\$ 511.20	\$ 47.00	\$ 940.00	\$ 90.00	\$ 1,800.00	\$ 30.00	\$ 600.00	\$ 120.00	\$ 2,400.00	\$ 30.00	\$ 600.00
19	6 FT Wood Privacy Fence	55	LF	60.00	\$3,300.00	\$ 55.00	\$ 3,025.00	\$ 31.58	\$ 1,736.90	\$ 50.00	\$ 2,750.00	\$ 70.28	\$ 3,865.40	\$ 61.00	\$ 3,355.00	\$ 67.00	\$ 3,685.00	\$ 38.47	\$ 2,115.85	\$ 178.00	\$ 9,790.00	\$ 59.00	\$ 3,245.00
20	Inlet Protection	3	EA	150.00	\$450.00	\$ 125.00	\$ 375.00	\$ 75.00	\$ 225.00	\$ 150.00	\$ 450.00	\$ 89.45	\$ 268.35	\$ 90.00	\$ 270.00	\$ 90.00	\$ 270.00	\$ 210.88	\$ 632.64	\$ 220.00	\$ 660.00	\$ 95.00	\$ 285.00
21	Sediment Fence	323	LF	5.00	\$1,615.00	\$ 3.25	\$ 1,049.75	\$ 1.83	\$ 591.09	\$ 5.00	\$ 1,615.00	\$ 2.21	\$ 713.83	\$ 1.70	\$ 549.10	\$ 4.00	\$ 1,292.00	\$ 3.00	\$ 969.00	\$ 2.00	\$ 646.00	\$ 2.40	\$ 775.20
22	Seeding, Fertilize, & Mulch	1,443	SY	2.00	\$2,886.00	\$ 2.00	\$ 2,886.00	\$ 4.88	\$ 7,041.84	\$ 3.50	\$ 5,050.50	\$ 1.60	\$ 2,308.80	\$ 1.30	\$ 1,875.90	\$ 2.00	\$ 2,886.00	\$ 2.50	\$ 3,607.50	\$ 11.20	\$ 16,161.60	\$ 1.60	\$ 2,308.80
23	Reconnection and Modification of Existing Facilities	1	LS	20,000.00	\$20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	#####	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
TOTAL CONSTRUCTION:						\$223,011.00	\$ 220,722.25	\$ 242,174.80	\$ 253,115.50	\$ 215,608.00	\$ 256,892.00	\$ 247,963.00	\$ 154,199.89	\$ 279,334.20	\$ 197,414.30								