

**UNIT COSTS FOR CONSTRUCTION OF GRAVITY SEWERS (a) (b) (c)**

Pipe Diameter (in)	Depth (ft)										
	8	10	12	14	16	18	20	22	24	26	28
6	\$42.22	\$45.69	\$48.50	\$51.94	\$56.03	\$62.07	\$69.40	\$78.92	\$91.53	\$105.74	\$125.31
8	\$50.89	\$56.47	\$59.78	\$63.99	\$68.95	\$76.34	\$85.46	\$97.14	\$112.33	\$129.77	\$153.79
10	\$61.43	\$69.86	\$73.90	\$78.96	\$85.06	\$94.28	\$105.55	\$120.16	\$139.04	\$160.63	\$190.35
12	\$72.10	\$82.00	\$86.63	\$92.57	\$100.06	\$110.89	\$124.20	\$141.38	\$163.95	\$189.41	\$224.46
15	\$89.42	\$101.70	\$106.86	\$113.08	\$121.12	\$132.09	\$146.04	\$162.99	\$184.55	\$210.99	\$248.03
18	\$108.43	\$123.32	\$128.62	\$135.39	\$144.07	\$156.44	\$170.35	\$188.32	\$210.19	\$236.73	\$274.01
21	\$130.74	\$148.69	\$154.68	\$161.71	\$171.04	\$183.22	\$198.53	\$217.52	\$240.05	\$266.72	\$305.09
24	\$154.31	\$175.51	\$184.24	\$191.78	\$201.79	\$215.13	\$231.48	\$250.76	\$273.29	\$300.27	\$339.95
27	\$163.24	\$185.66	\$192.84	\$202.46	\$215.05	\$231.54	\$250.87	\$274.19	\$301.79	\$330.74	\$374.45
30	\$183.06	\$208.20	\$216.05	\$226.33	\$239.58	\$256.10	\$275.67	\$300.43	\$329.22	\$359.40	\$406.90
33	\$196.06	\$222.99	\$231.52	\$241.97	\$255.73	\$272.51	\$292.65	\$318.55	\$348.47	\$380.35	\$430.62

(a) Based on the Sacramento Area Sewer District (SASD) Standards and Specifications, Type II Bedding and Initial Backfill.

(b) ENR 13428 - Average of 20 Cities and San Francisco, January 2022

(c) \$5.15 per cu.yd. For mechanical compaction of intermediate backfill

ADDITIONAL COST ITEM:

- Manholes:
  - 4' MH = \$3,097 for 7' depth plus \$254 /ft over 7 ft.
  - 5' MH = \$4,322 for 8' depth plus \$445 /ft over 8 ft.
  - 6' MH = \$6,030 for 8' depth plus \$779 /ft over 8 ft.
  
- Controlled Low-Strength Material \$140 /CY