

SANITARY SEWER COST ESTIMATES

Since this study was not prepared to implement a specific phase or portion of the system, no detailed cost estimate has been prepared as part of this study.

Some general guidelines for cost estimating are as follows:

Construction Cost Estimates - 2014

8" Sanitary Sewer	\$60 - \$70	per lineal foot
10" Sanitary Sewer	\$70 - \$80	per lineal foot
12" Sanitary Sewer	\$85 - \$95	per lineal foot
8" Sanitary Sewer (in rock)	\$80 - \$90	per lineal foot
10" Sanitary Sewer (in rock)	\$90 - \$100	per lineal foot
12" Sanitary Sewer (in rock)	\$105 - \$115	per lineal foot
4" Diameter Force Main	\$25 - \$30	per lineal foot
6" Diameter Force Main	\$30 - \$35	per lineal foot
Sanitary Manhole with Frame and Cover	\$3,000-\$3,500	Each
Sanitary Pump Stations (depends on size and type) - large stations may cost \$300,000 or more)	\$200,000-\$250,000	Each
Grinder Pump Unit	\$7,200 to \$7,500	Each
Grinder Pump Force Main (1.25" to 2")	\$20-\$25	per lineal foot

All of these prices are typical construction costs including typical fittings and restoration costs. The range varies based on the size of the project in quantities and the amount of rock excavation anticipated. Small quantities result in high unit prices. Very large projects result in the lowest unit prices.

For estimating purposes we would recommend the following allowances over and above construction cost to obtain a project cost estimate:

Contingency	10% to 15% of construction
Other Costs	20% to 30% of construction

Other costs can include: engineering, survey, staking, observation, financing, legal, administrative, geotechnical investigation, permitting, easements, assessments, interest during construction, advertising, and miscellaneous.