

Capacity Analysis - Restoration/Rehabilitation Guidelines

Restorative

Mitigation Measures include:

- a. Line Cleaning
- b. CCTV inspection
- c. Pipe and manhole sealing / rehabilitation
- d. Lift station odor control

Minimum restorative cost estimates₍₂₀₀₈₎ \$2,120 per single family dwelling equivalent, based upon project location, localized impact, specialized needs and consistency and compliance with regulatory enforcement orders.

Shared Costs for Infrastructure Replacement

Collection System Pipe Impacts

- Determined by development impact, as reported in table referencing: Dry Weather Flow Modeled Impacts from Proposed Development.
- Pipe replacement cost estimates₍₂₀₀₈₎ at \$22.80 / diameter-inch / longitudinal foot.


Collection System Manhole Impacts

- Determined on condition assessment basis.
- Manhole replacement cost estimates₍₂₀₀₈₎ at \$8,650 / manhole.

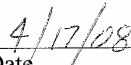
Lift Station Impacts

- Determined for each pump, by the increase in average daily run time.
 - For pumps primarily designated for pumping dry-weather flows, pump run time impact is calculated as a percent of an 8-hour standard daily pump run time, under dry weather flow conditions.
 - For pumps primarily designated for pumping wet-weather flows, pump run time impact is calculated as a percent of a 48-hour storm period.
- Lift station cost estimates₍₂₀₀₈₎ at \$571,000 / pump / lift station.

2008 cost estimates are based on escalating the 2007 cost estimates by approximately 6%, provided by CH2MHill, based on the average increase of the following indexes: ENR 20-City (construction cost), RS Means (construction cost), Marshall & Swift (industrial, western region) and Producer Price Index (other heavy construction).



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Date