



ASSOCIATED MAINTENANCE COSTS

Structural Facilities: Some typical estimated costs to maintain and repair structural facilities and associated pretreatment structures are provided below. There can be site specific variables that can affect these costs such as the size of the structure, excessive sediment loading, poor access, etc. There is typically a debris disposal charge along with the cost to clean the structure. Once the debris is dried, in most cases it can then be disposed of at a landfill.

- Catch basin & area drains (standard size): Typically, companies charge around \$160 per hour, or \$50 to \$65 per catch basin, plus the cost of debris disposal. If there are more than three catch basins to be cleaned, the price per catch basin drops. It is more cost effective to clean multiple catch basins at one time, because the cost per catch basin is decreased.
- Inlet and outlet structures in vegetated facilities: Around \$160 per hour (normal access). Structures that are more difficult to access may require a two person crew. In this case, the charge would be \$210 per hour. Debris disposal charge would most likely be comparable to standard sized catch basins.
- Sumped and water quality manholes: Around \$160 per hour, plus debris disposal charge (which may be more than a regular catch basin).
- Single, double, and triple cartridge filter catch basins: Around \$160 per hour, or per cartridge, plus the cost of the replacement cartridge and debris disposal. Double cartridge filter catch basins would be charged double the individual rate (\$100 to \$130). Debris charges may be more for double and triple cartridge filter catch basins.
- Large storm filter vaults: \$300 to \$340 per cartridge (includes replacement cartridges and two person crew) plus an estimated debris charge of \$200 to \$500. Most contractors would prefer to inspect larger vaults and provide a price upon inspection because debris charges are sometimes an unknown. The amount of debris can vary on larger structures because of the potential for high volumes of sediment deposition.

In addition to the estimated per item charges listed above, there may also be a charge of 15 percent to 20 percent for travel time and waiting time.

Basin frames, grates, traps, and lids and manifolds to concrete vaults may also need repairs. For these items, a contractor would usually provide a price upon inspection with a written estimate for the property owner's review and approval.

Vegetated Facilities

In speaking with landscape contractors about this issue, they generally prefer to inspect the site prior to bidding the work. The only time this may be different is when they have a contract to regularly maintain a site once it is determined to be in a functional condition, or just after a facility has been constructed. There are simply too many variables to accurately estimate

maintenance costs. The following are a few examples of the different variables that may influence costs associated with maintaining a vegetated facility:

- What portion of the facility is impacted by invasive plants that need to be removed?
- How big is the facility?
- Is the facility difficult to access?
- Will the facility require any planting and if so, how many plants are needed?
- Does the facility need to have any sediment or debris removed?
- Is there any grading that may need to occur due to erosion?