Lift Stations
Prefabricated Steel
Prefabricated Fiberglass

**Application** ~ Lift Stations are used to elevate and transport wastewater through collection systems when continuation of gravity flow is no longer feasible. In flat terrain, sewage en route to a wastewater treatment system may increase in depth where it is impractical to continue by gravity flow. Highly efficient sewage lift stations can be installed to lift the wastewater to an intercepting sewer at higher levels.

**Unique Features** ~ Legacy Environmental Process Lift Stations are completely fabricated at the factory for ease of installation at the project site. These prefabricated units are available in structural steel or molded fiberglass. Efficiently designed and self contained, they can be installed with minimal time and expense. These units are portable and reusable. Lift stations are relatively small in design and are usually installed below grade in any location and can be landscaped to match the surrounding area.

**Operation** ~ The custom made automatic electrical control system is designed and manufactured to operate the pump(s) without the need for continuous monitoring. Both local and remote monitoring and alarm systems are available for those units installed in remote areas. Various methods are used for controlling the liquid in the wetwell chamber. The most popular is polyurethane filled stainless steel mercury switching devices which sense water level in the wetwell activating the automatic electrical control system.

Slide rail systems are available to enable the operator to inspect and maintain the submersible pumps from the top of the lift station, eliminating the need for the operator to enter the wetwell. The slide rail system provides a complete sealing between the pumps and the discharge manifold eliminating the need for disconnect piping. Those units containing pumps with weight to great for a single man to lift can be supplied with power lifts and/or hoists.

Legacy Environmental Process offers various types of pumps to meet many different conditions and applications for lift stations. We make available sewage handling pumps, high solids discharge pumps, submersible grinder pumps, cutter pumps, effluent discharge pumps, and many others.

**Available Components:**
- Basin Construction of structural steel or molded fiberglass
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- Valve pits uniquely constructed as an integral one piece part of the lift station requiring no additional reconnection in the field complete with check and gate valves for each pump
- Access lids constructed of structural steel, stainless steel, or aluminum with locking devices
- Submersible pump systems to meet the particular discharge requirements
- Slide rail system for easy pump removal, inspection and maintenance
- Mercury filled stainless steel polyurethane float switches for pump activation
- Automatic control system with a wide variety of optional items such as testing features, elapsed time meters, alarm system, seal leak sensor, alternating pumping system, etc.

OTHER LEGACY ENVIRONMENTAL PRODUCTS:
- Packaged Secondary Treatment Systems
- Tertiary filter treatment systems
- Prefabricated steel Mechanical Clarifiers
- Internal concrete equipment packages