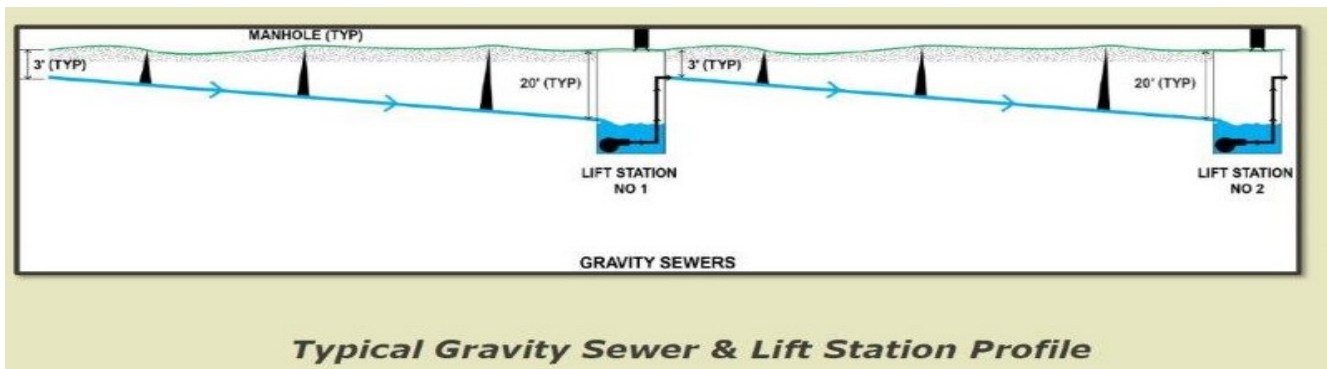


Pataskala Utilities Department

Wastewater Lift Stations



Did you know that the City of Pataskala operates and maintains 7 wastewater lift stations with 15 submersible pumps? Whenever possible, gravity is used to move wastewater throughout the system. When the contour of the land prevents gravity flow, lift stations use submersible pumps to move the wastewater to a higher elevation where gravity can again be used.

These submersible pumps move anything that comes into the wastewater system, hopefully, without fail, 24 hours a day, 7 days a week. Every lift station that the utilities department operates has at least one backup pump installed. The department also has two 6" pumps mounted on trailers that can be quickly mobilized to any lift station in the system in the event of an emergency. Several lift stations have a permanent backup generator to provide power during electric outages. Additionally, the department has a portable generator that can be mobilized to lift stations that don't have a permanent backup generator installed. This provides multiple layers of redundancy to ensure that the lift stations continue to operate in all conditions.



Foreign objects that are flushed into the collection system eventually end up in the submersible pumps, which can cause the pump to become clogged and fail. When a pump becomes clogged, it must be pulled out of the lift station and manually cleared. These clogs can even damage the pump itself, resulting in costly repairs, and at times replacement. Depending on the size and type of pump, replacement can run anywhere from \$10,000 to \$25,000 per pump.



Some of the common items that contribute to these clogs are: **Grease, Personal Hygiene Products, Trash**, etc. The most common item found in lift station pumps are "Flushable" Wipes. These items do not break down in the system, even if their advertisements say otherwise. ***Save our pipes, don't flush wipes!***

We would be happy to answer any questions at: Utilities Department, 621 W Broad St, 740-964-6275

Chris Sharrock
Utility Director
csharrock@ci.pataskala.oh.us

