

Small Project Title	System	Start Date	Completion Date	Operational Date	Cost	Brief Description
Townhomes sewer line elevations and recommendation	Sewer	Reoccurring WO to flush lines				As a joint effort of the WCID Board, Trihydro, and Inframark, the sewer line was analyzed for proper slope under the townhomes on Lakepoint Cove. Recommendations were provided to the Townhomes for correction, along with a limited cost sharing offer. Inframark continues to flush the line monthly.
Lakeland/Lakepoint Sewer Line Improvements	Sewer -Builder Reported broken sewer pipe 12/20/2022	1/5/2023	5/15/2023		\$125,423	Inframark installed multiple sweeps and valves to facilitate clearing the line when needed.
Lakeland and Lakepoint Cove Sewer Line Pressure Monitors	Sewer	5 installed week of 5/22/2023 on Lakeland - 3 installed 6/30/2023(1 on Southwind, 1 on Valley Hill RD& 1 on Valley Hill Lane				As a joint WCID Board/Inframark project, pressure recorders were added to the line to detect impending blockages and narrow down their location so that action to clear them can be taken as soon as possible. In addition, the pressure data will help differentiate between main line blockages and residential grinder pump issues, as well as help to determine whether or not future rework of the main line is needed.
Lift Station Alarm & Data Transmitters	Sewer					The WCID Board had transmitters installed at the District's 3 remote lift stations: Whispering Hollow, POA and Mariner's Point. The transmitters collect data and make automatic call outs to alert Plant Operators immediately in the event that a lift station is inoperable or becoming inoperable.
Fire Hydrant flush, repair, painting	Water Distribution	Reoccurring WO to flush lines - Repair & Paint done when needed				Inframark has tested, repaired and replaced fire hydrants including painting them. Hydrant Survey done in 2021. Two new hydrants installed on Peckham and Lakeshore. One on Deckhouse remains to be painted until construction is completed.
Water loss repair at inoperable, unused flushing stations	Water Distribution		5/1/2023			Leak detection and subsequent repair services by Inframark blocked in water distribution at the 3 remaining flushing stations to minimize water losses. In addition, the units were secured to prevent tampering, prevent sewer leaks, and the electrical power was verified disconnected.
Barge Pump #2 operations	Water Supply		6/29/2023			This project will allow Barge pump #2 to operate along with Barge pump #1 and Barge pump #3 to provide water to our WTP. Project includes troubleshooting of the computer control program and pump control valves.
WTP control cabinet upgrade	Water Supply					This cabinet is a 1970+ vintage and critical parts are unavailable. This cabinet and/or select internal components are to be replaced with up to date technology and potentially new wiring. Effort applied by the WCID Board and Trac/N/Trol/Control Networks.
Backwash Overflow Tank replacement	Water Supply	On hold				In-work by Trihydro and Inframark: Study to determine best approach to replace two old tanks from the first Water Treatment System that were repurposed for backwash water from the new 2018 Trident plant and old Plant A water treatment plant. The tanks leak and are un-repairable. One completely failed and has been taken out of service. - TRIHYDRO TO OBTAIN BIDS.

Backwash Overflow/ Rainwater collection channels	Water Supply		2/1/2023			This effort by the WCID Board had drainage channels installed to direct rainwater and accidental overflows at the WTP to drain to the Village storm drain/ditch. This also prevents water damage/intrusion to WTP buildings and prevents the water from going across the street to the townhome yards.
WTP alarm and call system repair	Water Supply		5/1/2023			Joint effort of the WCID Board, Inframark and TracNTrol/Control Networks: The WTP alarm system was updated to correct the call outs to alert Plant Operators in the event of an upset at the WTP.
Reoccurring Trident Plant Shutdowns	Water Supply	According to plant operators on 7/06/2023 this is 50% completed				Joint effort of the WCID Board, Inframark and TracNTrol/Control Networks: Troubleshooting of the computer controls to correct 2 reoccurring alarms.
High Pressure plane water flow meter	Water Supply		2/20/2023		\$2,702 for meter- \$469 labor	A new meter was installed for the high pressure plane to aid in the evaluation of water losses throughout the system.
WTP Emergency Generator	Water Supply	11/15/2022			\$ 247,350.00	A diesel generator is being installed at the WTP for auto start in the event of a power failure. This project was funded by the Coronavirus Relief Fund. Trihydro provided design and construction administration services.
Zebra Mussel Mitigation	Water Supply	3/7/2022	9/30/2022		\$ 268,000.00	This project injects an approved chemical into the suction of the barge pumps to alleviate the growth of zebra mussels throughout the water treatment and supply equipment and pipes. Trihydro provided design and construction administration services.
Barge relocation and maintenance contract	Water Supply					The WCID Board awarded a contract to Chapman Marine to relocate the barge to it's proper location, replace inadequate anchoring components, and to maintain the intake barge location. Trihydro provided the engineering services with input from the WCID Board.
Equipment Spares	General Spares					Rebuilt one used blower for the WWTP to hold as a spare. Getting quote to procure and install a new raw water hose. - CURRENTLY THE ONLY SPARE IS THE REBUILT BLOWER AT THE WWTP
Mobile Sewerage Tank	Sewer					For cost savings and quicker response time, quotes are being obtained by Inframark for a District-owned trailer/tank unit instead of renting a "frac tank" as done now. - OBTAINING QUOTES