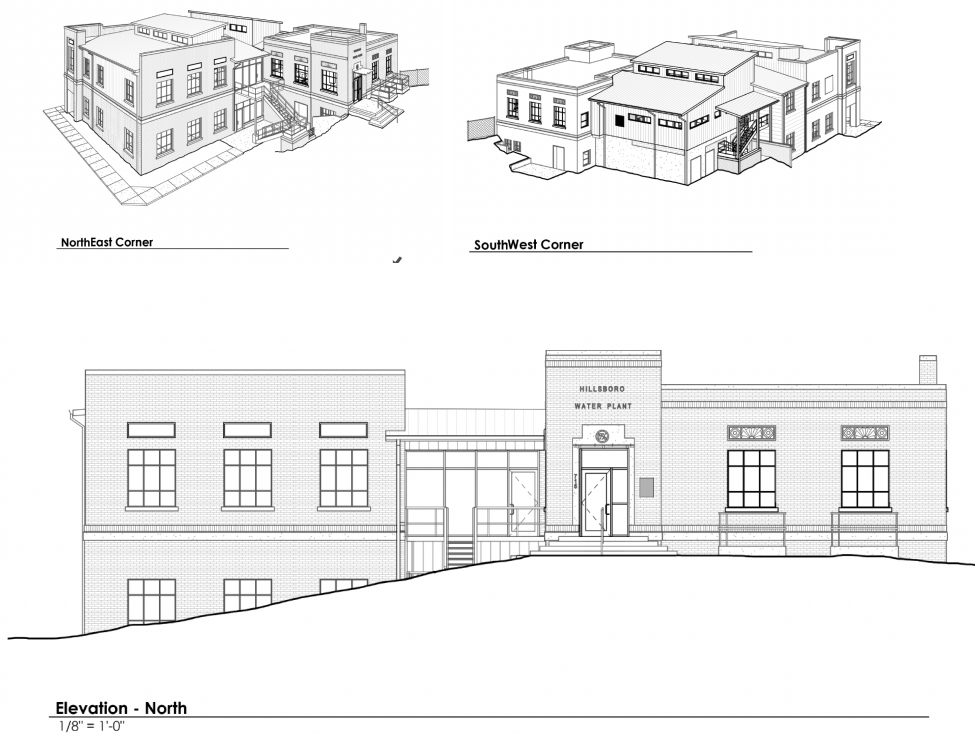




TOWN OF  
HILLSBOROUGH

**Utilities Department Status Report for Aug. 2024 (covering Jun./Jul. 2024)**

PROJECT/ CATEGORY	STATUS
WTP	<ul style="list-style-type: none"><li>○ An evaluation memorandum about changing the chlorine gas disinfection system has been presented and is under review by engineering. Eventually we believe the town will be forced to move to a different disinfection system due to a few main reasons – safety of storing chlorine gas and availability. If there is any viable solution, it will become a recommended capital improvement project.</li><li>○ The first steps to replace the main 1972 control console with a modernized system are underway. This first step is to install a cabinet to house the control system and plans and specifications to add instruments and equipment as our budget allows and the operators comfort level. The selected consultant will prepare plans and specifications including necessary inputs and outputs, conduits and power. Jeff Mahagan is overseeing this effort.</li><li>○ The annual water quality report was released June 29. We hope you were able to review it.</li></ul>
WWTP	<ul style="list-style-type: none"><li>○ All is well. We will be determining a new incoming route for the proposed River pumping station force main into the plant and discussing control scenarios with the WWTP staff.</li><li>○ A wastewater treatment master plan study is underway which will determine nutrient removal options to reach the plant rated capacity of 3.0 mgd. Staff believes that nutrient limits will be reached prior to the hydraulic limit.</li><li>○ Jeff is working on the annual wastewater report due by September 1.</li><li>○ A very comprehensive NPDES permit renewal package was submitted to the state thanks to Jeff and Corwin's work.</li><li>○ A variable frequency drive and motor control center power monitoring project is starting.</li></ul>
West Fork of the Eno Reservoir	<ul style="list-style-type: none"><li>○ The reservoir is about 3/4<sup>th</sup> of a foot down from spilling.</li></ul>
Developments/ Other	<ul style="list-style-type: none"><li>○ Invoicing of fees for Persimmon at Cates Creek have been sent. Developer has paid one of the many thus far.</li><li>○ WSEC for Nash Place has been signed by the developer and is routing through the town.</li><li>○ Request received for Triangle West High School charter school at Eno River Mill is going to reserve 6,600 gpd of capacity for two years starting July 7.</li><li>○ Working still with Capkov project and Comet proposal. Comments from our department will be in the packet when presented to the board.</li><li>○ McAdams Rd Water Main replacement is essentially complete. There was a problem with a passing bacteria test, but this has been resolved. Once the project is certified to the state as completed and meters scheduled to be moved, the new 6-inch main will be placed into service. This new main is also looped to Corbin St. which will provide better water quality and redundancy to the area.</li><li>○ Collins Ridge James J. Freeland water main work has begun. The water main will provide a 2<sup>nd</sup> connection to our system providing needed redundancy to the Collins Ridge development. Staff continues to work to get Phase 1A acceptance of water and sewer completed. Several utilities staff did another comprehensive walk through and punch list. While the developer has performed some work towards resolving the issue, they would like another meeting to discuss certain items and timing. Staff has delayed Phase 1B permit documents until Phase 1A acceptance is certain with some comfort level. Phase 2 is also in the pipeline and will result in several more homes in the coming year.</li><li>○ Utilities submitted claims for the PFAS settlement money for 3M and Dupont. Thus far, PFAS has not been an issue in the town's drinking water with recent testing.</li><li>○ Two additional sewer flow monitors have been placed on our interceptor west of Churton St.</li></ul>

	<ul style="list-style-type: none"> <li>Work at Cemetery pumping station is almost complete – a new electrical panel board was installed.</li> <li>The Hasell St booster pump is running on one pump due to the other pump's shaft breaking. A standby system has been placed in case of issues with the remaining pump. This station is responsible for pushing water to our north pressure zone and storage tank.</li> <li>Staff replaced several inoperable valves and a hydrant in June.</li> <li>Work on our lead service line inventory is underway. There will be a public facing effort in the next month or two.</li> <li>Utilities participated in a deeper demo of the Brightly asset management/work order software that Public Works likes. Utilities can utilize this.</li> <li>The Adron F. Thompson facility is under design! Rendering below. The design will keep the interior and exterior features of the original 1936 water plant but modernize all with energy efficiency, ADA compliance, safety and function. The addition will allow for a sequenced construction as to not displace the crew elsewhere. The lower level will house the Utilities administration division. There are some additional yard building improvements included as well. Everyone is very excited this is moving forward after so many years in need.</li> </ul> <div style="text-align: center;">  <p>NorthEast Corner</p> <p>SouthWest Corner</p> <p>Elevation - North 1/8" = 1'-0"</p> </div>
Staffing	<ul style="list-style-type: none"> <li>The administrative position for utilities is being vetted. There was a large response to this posting.</li> <li>Utilities is no longer fully staffed as we now have a distribution crew opening. One of the distribution crew (Daniel Wilson) was promoted to the collection crew.</li> <li>The intern at the wastewater plant, Alex Lupina, had his last day July 19. There is an intern from Cedar Ridge currently serving with the distribution crew for three weeks, Ben Powell.</li> <li>Keith Scarboro obtained the highest collection system operator grade (Grade 4).</li> <li>Brent Anderson obtained his Grade 2 collection system certification.</li> <li>Thomas Smith obtained his cross-connection control certification.</li> <li>Tyler Freeman will be moving to Illinois in August. A remote work schedule until the end of the year is being developed. This will put some increased pressure on the admin team to handle local fiber issues.</li> </ul>
Grant Funded Project Activity	<ul style="list-style-type: none"> <li>A contract has been executed with Hazen and Sawyer for River Pumping Station (FEMA BRIC and FPMP grants) and our first progress meeting has been held. Survey work will start in 2 – 3 weeks which will allow for an exhibit to discuss property acquisition from the school site.</li> <li>A contract is almost complete with Kimley Horn for the Starfield Circle Booster Pumping Station (FEMA BRIC grant). Staff has contacted a property owner for this station as land will need to be</li> </ul>

	<p>acquired and is responding to questions about it. If all works out on the project and the BRIC funding covers it, we will ask to repurpose the STAG funding for this project to another need. There is no deadline to apply for the STAG funding.</p> <ul style="list-style-type: none"> <li>○ Hazen and Sawyer is making progress on the water system master planning model (AIA grant).</li> <li>○ Freese and Nichols is making progress on the Hasell St water tank and US 70A study (ARPA grant).</li> <li>○ Taylor Engineering is revising the Lawndale rehabilitation project plans and specifications for the SRF loan/grant.</li> <li>○ Stephanie Trueblood approached Utilities about submitting for an Orange County grant to provide solar capability at the new Adron F. Thompson facility. She and Bryant are working on an application.</li> </ul>
Water and Sewer Advisory Committee (WSAC) Activities	<p>Two out of town vacancies are open and there have been no applicants in the past several months. WSAC is scheduled for 8/2 and generally will receive this update. WSAC and the BOC have a joint meeting in August and the main topic is to discuss viability of the committee.</p>