

**City of Lake City
Utility Advisory Board
Update for Utility Projects
April 2021**

Hwy 47/I-75 Sanitary Sewer Improvements: We are on schedule. 90% design plans were delivered to the City on January 4, 2021. January 12th, City staff met with engineer with questions on electric for lift station and materials used for the lift station. The City is trying to standardize these items. 100% design plans are due to the City by January 31st. 100% plans were submitted. Project went out to bid on March 2nd, any questions were due this past Friday, March 26th, and no questions were received. We are preparing an addendum to be issued this week that explains the PO the City sent out with the long lead items so those are removed from the contractors' bids. Bids are due April 6th by 2pm, with an opening/reading of the bids at 2:15pm on Webex, we anticipate providing a letter of recommendation by the end of that week, if not very early the next week. The City will plan to bring the contractor selection before City Council at the second April meeting or first May meeting (or a special meeting in between, timing pending). A groundbreaking ceremony is tentatively planned for May 12, 2021, at 9:30am (was being coordinated with Mr. Sweat, Mr. Helfenberger, and Ms. Phillips); a save the date and tentative invitee list will be sent to the City this week. **The invitee list was sent to the City and Jones Edmunds is waiting for feedback.** Contractor should mobilize and begin construction shortly after groundbreaking. City has placed the order for lift station pumps/materials on March 26, 2021. Substantial completion in 270 days, final in 300 days. **An addendum was issued on Friday, April 2nd that explains the PO the City sent out with the long lead items so those are removed from the contractors' bids. The addendum also extended the bid submittal deadline to April 20th this delay was the result of a re-design request from FDOT to adjust the location of the horizontal directional drills of both wastewater pipes. An onsite meeting with FDOT was held on April 6th to finalize drill locations. A second addendum will be released this week with updated design drawings.**

North Florida Mega Industrial Park (NFMIP): The City has existing 130,000 gpd of sewer capacity. The City can supply 30,000 cfm or more of natural gas depending upon the user. I am asking to re-consider doing the potable water study to find the best route for additional potable water to the NFMIP. Columbia County continues to pursue a consumptive use permit for raw water in the NFMIP. The City should consider obtaining the right to own the raw water source if the City is able to get the necessary CUP increase. This is ongoing. **The City is conducting a Water Main Routing Study to determine the feasibility of supplying potable water to the NFMIP.**

Bell Road Project: The sewer main is constructed. The contractor is done with his portion of the gas main and City staff are doing the remaining tie-ins. All City utilities have been completed and FDEP permits have been cleared and approved for use. **This portion is completed.**

St. Margaret's Wastewater Treatment Facility: The City borrowed \$6.1 million to reconstruct a large part of this facility as much of the facility is in poor condition and is

considered very old. The City is on schedule regarding the aeration project. The bond issue was resolved with the clarifier contract portion of the work. The City needs to make some improvement with the grit removal system in order for Florida Department of Environmental Protection (FDEP) to fund 100% of the grit removal cost. (Grant in the amount of \$322,000.00 was approved and accepted by Council on March 15th Res. 2021-043). **First round of grit removal from aeration basin will be scheduled soon.** The City budgeted about \$244,000 toward the required grit removal system improvement. The actual cost is about \$268,000. **Grit System was approved by Council on 2/16/21 as Change Order No. 1 to the Contract with SGS for the Aeration Upgrades and Grit Removal.** This will be alright because the overall bid to do the St. Margaret WWTF improvements came in significantly below budget. Mittauer and Associates have submitted a proposal in the amount of \$168,136 for engineering services to put all the remaining upgrades out as one bid. This should greatly speed things along. **Proposal was approved by council on 4/5/21.**

Public Access Reuse (PAR): City staff is discussing how to determine the best route to get reuse water to possible users. Just north of Hwy 247 under I-75 there is a pipe that is capped off that could possibly be used for a water reuse project. If we attempt to run reuse pipe in the right-of-way of Sisters Welcome Road, the side west of the road has a force main running through it and the side east of the road has a big main transmission line from Florida Gas. Step one is to determine, through pressure testing, if the pipe is useable. **Looking into alternative routes.**

Public Access Reuse (PAR) System: Grant Application was submitted in January requesting \$1,000,000 to fund the necessary upgrades. Grant was accepted by SRWMD on February 9th 2021. Wastewater staff is working on getting total cost of all upgrades/repairs needed to make the PAR system functional. Grant for \$1,000,000 was approved and accepted by City Council on March 15th Resolution No. 2021-033. **Jones Edmunds is in the process of putting together a scope and fee for the project. Proposal was received from Entex to Refurbish the Disk Filter on 2/24/21 for a total of \$26,250.00. Proposal was received from Chalmers and Kubeck South to refurbish the MOVs on the PAR piping on 2/26/21 for a total of \$6,733.70.**

Consumptive Use Permit / Alternative Water Supply Assessment: Jones Edmunds is completing data collection and beginning data analysis (waiting on final numbers from the SRWMD; reviewing and analyzing demand projections and developing the projected demand and return flows; and developing model simulations). Jones Edmunds will be meeting with the SRWMD next week to review draft water budget. (Meeting scheduled on March 31,2021 at 11:00am. Should have notes prior to Utility Committee meeting.) **SRWMD had questions about population numbers for present and future. The information was assembled and passed on to Jones Edmunds, they are updating data and are preparing to run the model. Jones Edmunds is working with SRWMD to finalize the water budget.** At the next Utility Advisory Board meeting, I want to invite Fred Handy from Florida Rural Water Association to discuss issues related to increasing the City's CUP. Mr. Handy said that the City needs to reduce the amount of flushing of water onto the ground. According to Mr. Handy, the City has as much piping and coverage area as a large city without as many

connections. Mr. Handy did this at City Council Meeting on March 15, 2021. **Mike Osborn can give update on Peroxide Study if needed.**

Water Risk and Resilience Assessment (RRA): This assessment is required to be completed and submitted to the US EPA by June 30, 2021. The RRA is complete and will submit prior to deadline. ERP has to be submitted within six months of RRA. **Completed**

Water Emergency Response Plan (ERP): This plan is due to the US EPA by December 31, 2021. Jones Edmunds is waiting on City Council approval to start the plan. ERP is on track to be completed before deadline and submitted before deadline. This will consist of all of Utilities, whereas the RRA was for Water Treatment Facility only. **Jones Edmunds has almost completed standards; we will meet again as a team to prioritize for final revision.**

Columbia High School Water Main Relocation: Engineering and county permitting is completed and material are currently out for bid, closing on April 15, 2021. **Waiting for bid closeout.**

Arlington Blvd. Sewer Line: 80% completed. This is to add sewer on the last section of Arlington Blvd. that is without sewer and to ease customer sewer issues in the area. **Sewer main completed, will be going out for quotes on asphalt Monday, April 12th.**

Orthopedic Lift Station: All easements have been acquired and the water line/route engineering will be completed by April 9, 2021. A list of materials for water and sewer are currently being worked on. A new 8" force main will replace the current 3" main to allow for future development on the west side of Lake City. **Started land clearing on Friday 4/9/2021, material list being sent to procurement on Friday 4/9/2021.**

Water Main Routing Study: We have developed 6 alternate routes and are prepared to present these to the City on Wednesday, March 31st. At this meeting we will narrow the list (or modify the list) down to 2 alternatives for modeling and comparison. We have the month of April to model the routes with current and future scenarios, develop a recommendation, and develop a cost estimate. We plan to review the model results and our recommendation with the City at the end of April with a draft report submitted the first week of May. **Jones Edmunds presented to City Staff on March 31st the 6 routes, two routes were selected for final review. Jones Edmunds are setting up feasibility assessments for the routes.**

Gas Main to North Florida Mega Industrial Park (NFMIP): **City staff are continuing to look at cost, feasibility, and route options to supply Natural Gas to the NFMIP.**