



Central Wimberley Wastewater Project - Status Update

February 28, 2020

Prepared By: Shawn Cox, City Administrator

Construction

Lift Station (RR12 @ FM 3237)

Capital Excavation has provided submittals on the lift station wet well to Plummer Associates, Inc. for review. This review is expected to be completed this week (Week of February 24). Once reviewed, Capital will place the order for the wet well to begin construction. This is anticipated to begin next week (week of March 2). Total time to have the lift station operational is four to five months from the date the submittals are approved. The lift station is anticipated to be operational in July 2020.

Plummer is also reviewing the specifications for the lift stations pumps. These may need to be resized based on the design of the force main. This is expected to be completed next week (week of March 2). The resizing of the pumps will not affect the construction of the lift station wet well.

Collection Lines

Capital Excavation began construction this week (week of February 24). The schedule for the installation of the collection systems gravity lines is as follows:

- Line I (Oldham and Ranch Road 12): February 24 – March 24
- FM 3237: March 24 – April 24

Capital has started the installation of the lines near the lift station at Ranch Road 12 and FM 3237 and will be connecting to the line we have already installed on Rio Bonito. Following this, the lines on Ranch Road 12 will be installed (at night) then the lines on FM 3237 (during the day). To minimize the impact construction will have on Ranch Road 12 and to coordinate with the force main line along Ranch Road 12, installation of the gravity line on FM 3237 may begin before the installation of Line I. If so, we will adjust our schedule above accordingly. We will be coordinating with all necessary property owners and we will make sure to provide traffic updates on our website and social media accounts.

Force Main Lines

The properties on Blue Hole Lane and the Deer Creek lift station will join into a force main line which will run down Blue Hole Lane to Old Kyle where it will connect to the gravity line on Old Kyle through a manhole. Installation of these line wills begin once the gravity lines have been installed (April/May 2020).

With the amended contract, Plummer has begun design of the remaining force main lines (shown in red on the attached "Collection System Map"). Previous designs of these lines are no longer able to be used. Concurrently, Plumer is engineering the lines south of the Cypress Creek while their surveyors are gathering the needed information north of the creek. The initial design for the lines south of the creek are expected to be completed in two weeks (week of March 9). The portion of the force main running along Ranch Road 12 will need to be reviewed and approved by TxDOT prior to construction.

Coordination

The TWDB has been updated on our project status. The amended Plummer contract includes coordination with the TWDB for additions to the project not previously reviewed.

Connection to Cypress Creek Bridge

TxDOT has provided the needed plans for the Cypress Creek Bridge connection. Plummer is designing the connection based on TxDOT's plans.

Ranch Road 12 (Force Main)

While we know the line will be installed via directional drilling, and that the work will be done during the day, but will not require road closures, Wimberley's utilization TxDOT Right-of-Way (ROW) will require engineered plans be developed for TxDOT's review. Coordination with other utilities in the area will also be required. Plummer's surveyors were on site this week (week of February 24) to begin coordination with these other utility providers.

The force main route being designed will carry the wastewater from our lift station up Ranch Road 12 to Blue Heron. The line will then run up Oak Drive to the Wimberley Square then to the Cypress Creek Bridge. From the bridge, the line will proceed along Ranch Road 12 to the HEB/Emergency Lane Lift Station. This route, identified in red on the attached "Collection System Map", is along public right-of-way (ROW) and will not require any additional easements.

Wastewater Treatment Contract (Aqua Texas)

The City Attorney and the City are currently reviewing the latest draft of the agreement which is expected to be ready for Council consideration in early March.

Design Contract

Council approved Amendment #6 to the original design contract with Plummer Associates, Inc. at their Regular Meeting on February 20. This amendment will complete the design of the force main line from the City's lift station at Ranch Road 12 & FM 3237 to Aqua's HEB/Emergency Lane Lift Station. Design is expected to take six (6) weeks to complete. Once complete we will be able to requests bids for construction should it be required. Capital Excavation will also review the design to see if the construction can be completed under our current contract while remaining under the 25% maximum increase allowed by the State.

Construction of the force main from the City's lift station to the Cypress Creek Bridge is expected to be completed by Capital Excavation, under our current contract. However, a change order may be required. Plummer has begun this design. The plans are expected to be completed in two weeks (week of March 9).

Communication

Property/Business Owners

Any property or business owners who would like to meet with the City, please reach out to me at scox@cityofwimberley.com. I am happy to provide an update on the status of the project.

As we did previously, the City and Capital Excavation will work with each property owner to determine the best location for their connection to the system. Historically, this involved going door to door to contact the resident or property owner. We will also utilize written notices to contact those we are unable to meet face to face. This will involve a notice at the property (typically on the front door) which will provide a time frame for construction and contact information for the contractors and City. If you think we may miss anyone, please have them contact me at scox@cityofwimberley.com. We will make sure they are included in the project's coordination.

Town Hall

A video of the Town Hall meeting held on January 30 can be found [here](#). Additionally, the slides from the presentation have been posted to the City's homepage, which can be found [here](#).

Other Items

Sewer Utility Rates

Building from the previous rate studies the City has undertaken, and utilizing the developed models and schedules, a new rate model is being developed internally. The model will make sure the rate schedule adopted is enough to cover the cost of operating the utility system (maintenance/administration costs/etc.), payment of debt, capital improvements (major repairs/improvements). A draft is anticipated to be ready for Council discussion in March.

Impact Fees

The City started the development of its impact fees in 2016 with the selection of HDR to assist in the assessment and establishment of the fees. While this was to be completed in January 2017, no committee was established, and no fees were evaluated or adopted.

Based on the utilization of Aqua Texas to treat the wastewater produced, I am working with our City Engineer/Project manager and Plummer Engineering to determine if there is still a need to establish these fees.

Utility Billing

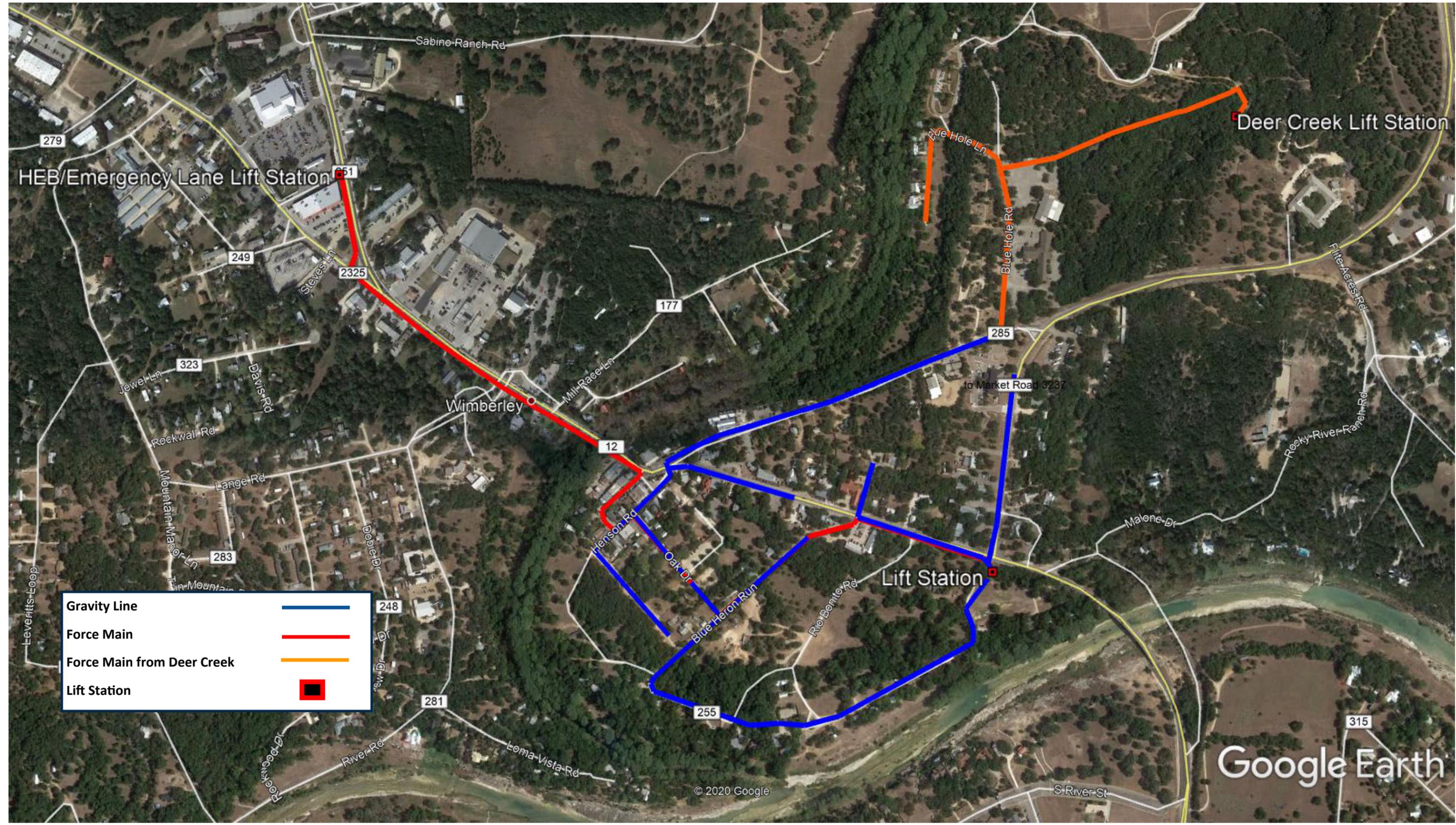
Currently the City's Financial Clerk sends out the utility bills for the City. There are only two (2) customers being billed. We are reviewing our current finance software and the modules it can accommodate to see if there is a solution for expanding our billing needs. We, along with the Wastewater Ad Hoc Advisory Committee have also looked at how this could be accomplished with the programs we have now. Options for Council consideration are anticipated to be reviewed in March or early April.

Schedule

Construction		
<u>Component</u>	<u>Start</u>	<u>Completion</u>
Collection Lines (CO#4)	February 2020	July 17, 2020
- Gravity Lines (RR12)	February 2020	March 2020
- Gravity Lines (FM 3237)	March 2020	April 2020
- Force Main (Deer Creek/Blue Hole)	April/May 2020	TBD
- Lift Station	February/March 2020	July 2020
Collection Lines (Aqua Connection)	TBD	TBD
- Design Force Main	February 21, 2020	April 3, 2020
- Connection to Cypress Creek Bridge	TBD	TBD
- Force Main (RR12-Directional Drill)	TBD	TBD
- Tie in to HEB Lift Station	TBD	TBD
Contract		
Negotiate Aqua Contract	August 2018	March 2020
Other		
Update Sewer Utility Rates	January 2020	March 2020
Impact Fees	TBD	TBD
Utility Billing	January 2020	March/April 2020

Attachment(s)

- Collection System Map



Gravity Line	
Force Main	
Force Main from Deer Creek	
Lift Station	

Google Earth

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