

Griffin, Jeanne

From: Baumgartner, John
Sent: Monday, January 27, 2025 4:53 PM
Cc: Hooks, Jody
Subject: FW: Emergency Utility Repair Justificatiopn- Butler Rd Lift Station Incoming 42 inch GL Failure

Mayor and Council:

Please see Jody's note below.

Respectfully,

John

John Baumgartner, ICMA-CM, P.E.
City Manager
Administration



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From: Hooks, Jody <Jody.Hooks@leaguecitytx.gov>
Sent: Monday, January 27, 2025 2:30 PM
To: Baumgartner, John <john.baumgartner@leaguecitytx.gov>; Davis, Rick <Rick.Davis@leaguecitytx.gov>
Cc: Clark, Kristin <kristin.clark@leaguecitytx.gov>; Arredondo, Tommy <tommy.arredondo@leaguecitytx.gov>
Subject: Emergency Utility Repair Justificatiopn- Butler Rd Lift Station Incoming 42 inch GL Failure

Gentlemen,

The above-mentioned failure was brought to our attention on Thursday, January 16th. An extremely large sink hole had developed within the LS perimeter fencing and the adjacent Mustang Cat facility. The cause appears to be very similar to what we've recently experienced at Smith Lane and East Main LS's, failure of early 1980's era ductile iron pipe. It was deemed an "Emergency Status" repair due to the size of the LS and its' associated service area, which provides sanitary sewer conveyance for 80 percent of the City, west of I-45. The sink hole threatened further collapse of soil conditions that could have

severely impeded gravity flow into the LS wet well, along with threatening the onsite electrical control panel, genset, ATS, and electrical service pole. D. Wagner Construction was contacted and was able to respond the following day to assess the failure and begin formulating a plan to stabilize the area around the failed GL and manhole structure to ensure an acceptable level of flow into the wet well prior to the forecasted rain and winter storm Enzo. Wagner was able to install some sheet piling to try to sustain flow during the weather event. Wagner, Sander Engineering, and City staff continue to work on a couple of alternative pipe alignments that will help us determine the quickest most cost-effective repair method, with some hope of saving the electrical gear. Wagner's bypass sub is expected to complete the bypass setup tomorrow and we anticipate repair activity to begin soon after and last approximately 14-21 days.

Emergency services utilized, with very preliminary cost estimations:

Wagner Construction- (By-pass included)- \$200k - \$300k

Crescent Electric if needed- Temporary Controls, Panel and Genset relocation \$10k , Electrical restoration \$100k-\$150k

Sander Engineering- Support services (Bypass pump sizing, alternative alignment investigation, applicable capacity confirmation, electrical restoration if needed, ect.) \$ 3k- \$10k

Thank you,

Jody Hooks
Director
Public Works



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