

From: Josh Brockett <joshb@childress-engineers.com>

Sent: Thursday, November 12, 2020 8:30 AM

To: chad cedgroups.com <chad@cedgroups.com>

Subject: Cleburne Water/Sewer Extension

Chad,

I have attached an exhibit of possible routes to extend water and to run a sewer force main. The sewer force main could possibly parallel the City of Cleburne reuse pipeline to minimize environmental issues, but you will still have to cross approx. 1,000 lf of both river and associated wetlands. The same applies to the extension of the water main. Per the City of Cleburne capital improvements plan a 16-inch line is supposed to be extended across the lake here. Same issues as the force main. You have the actual lake crossing as well as minimizing environmental impacts to the adjoining wetlands. It may be possible to attach the line to the existing bridge, which will entail a TxDOT permit and structural analysis of the bridge.

There is approximately 200 acres that can be served by the proposed lift station. 100 acres of that is yours. You may be able to convince the city to participated based on that.

The outfall for your lift station flows to the Thunder Bay lift station. The City will need to let you know if they can accept the additional flow at Thunder Bay.

For planning figures, I think you can use \$500,000 for each crossing, plus \$500,000 for the lift station. For the line installations beyond each crossing probably another \$500,000 for a total of 2 million for getting water and sewer to the property. This assumes that the Thunder Bay lift station can accept the additional flow and would not have to be upgraded.

Thanks,

Josh