



Control Number: 52299



Item Number: 1268

Ronald G. Harris, Jr., Mayor
Rhonda Harrison, Mayor Pro-Tem Place 2
Richard Troth, Council Member - Place 4
Lance Vanzant, City Attorney



Austin Petersen, Council Member Place 1
Melynda Rivers, Council Member Place 3
Mike Strand, Council Member - Place 5
Lisa Dawn Cabrera, City Secretary

November 9, 2021

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RE: Project 52299 PUCT

The City of Krum (City) is located northwest of Denton in the Dallas-area Metroplex of North Texas. As of September 2021, the city population is 5,483 persons as listed on the 2020 U.S. Census. The City's water distribution system is composed of pipes ranging in size from 2-inches to 12-inches which operate on a single pressure zone. Groundwater from the Twin Mountain Aquifer is pumped by six wells throughout the city. Additionally, the city purchases treated surface water from the Upper Trinity Regional Water District (UTRWD) delivered through the City of Denton at the City of Krum's Masch Branch Pump Station (PS). The Fire Station PS, County Barn PS, and the 6th Street PS distribute groundwater to the city. Six ground storage tanks (GSTs) and three elevated storage tanks (ESTs) provide storage and maintain pressure in the City's water system: Masch Branch GST 1 and 2, 6th Street GST, County Barn GST 1 and 2, Fire Station GST 1 and 2, Fire Station EST, 6th Street EST, and North Point EST. The city sewer system is composed of pipes ranging in size from 4 inch to 12 inch which operates on 6 lift station and gravity flow to the wastewater treatment plant. Additionally, the city sends wastewater through the City of Denton lift station to the city of Denton wastewater treatment plant.

1. County Barn Pump Station

The County Barn Pump Station is located on North Jackson Street behind the Krum Fire Department. The County Barn Pump Station includes two GSTs each with a capacity of 0.65 MG, and a pump station with a firm capacity of 200 gpm or 0.29 MGD. Well 3 and Well 4 are also located at the County Barn Pump Station, with a total capacity of 154 gpm or 0.22 MGD.

2. Fire Station Pump Station

The Fire Station Pump Station is located at 331 Lake Street. The Fire Station Pump Station includes one 0.45 MG EST, two GSTs each with a capacity of 0.67 MG, and a pump station with a firm capacity of 250 gpm or 0.36 MGD. Well 1 and Well 2 are also located at the Fire Station Pump Station, with a total capacity of 130 gpm or 0.19 MGD.

3. Masch Branch Pump Station

The Masch Branch Pump Station is located at 116 South Masch Branch Road and includes one 2.0 MG GST, one 500-gallon hydropneumatics tank (HT), and a pump station with 2.02 MGD firm and 3.17 MGD total pumping capacity. This pump station is also the delivery point for treated surface water from the UTRWD. There are plans to expand this facility with additional ground storage and a new groundwater well.

4. North Point EST

The North Point EST is located at 152 North Point Drive and has a capacity of 0.3 MG. Well 7 is also located at this facility, with a capacity of 290 gpm or 0.41 MGD.

5. 6th Street Pump Station

The 6th Street Pump Station is located at 700 East 6th Street. The 6th Street Pump Station includes one 0.1 MG EST, one GST with a capacity of 0.125 MG, and a pump station with a firm capacity of 200 gpm or 0.29 MGD. Well 6 is also located at the 6th Street Pump Station, with a capacity of 100 gpm or 0.14 MGD.

6. Wastewater Treatment Plant

The wastewater treatment plant is located on the east side of North Hickory Creek, approximately 0.6 miles southwest of the intersection of Farm-to-Market Road 156 & 1173, in Denton County Texas 76249. The wastewater plant includes daily average flow of 0.35 MGD on completion of expansion to the 0.70 MGD, Head works with mechanical bar screen, two submersible lift station pumps.

7. Brook Circle Lift Station

The Brook Circle Lift Station is located at 225 Brook Circle and includes two submersible pumps.

8. Saddlebrook Lift Station

The Saddlebrook lift Station is located 1308 Sturgeon and includes two submersible pumps

9. High ridge Lift Station

The High Ridge Lift Station is located 300 High Ridge and includes two submersible pumps

10. County Barn Lift Station

The county Barn Lift Station is located at 410 N. Street and includes two submersible pumps.

11. E. Huffman Lift Station

The E. Huffman Lift Station is located 317 E. Huffman and includes two submersible pumps.

12. Masch Branch Lift Station

The Masch Branch Lift Station is located 5000 N. Masch Branch and includes two submersible pumps.

Emergency contact information is:

- Ramon Johnson 940-398-7307 Public Works Director
- Nate Winchester 940-300-3704 Water / Wastewater Superintendent
- City of Krum
PO Box 217
146 W. McCart
Krum Texas 76249