



Control Number: 50957



Item Number: 3

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ROSS WATER SUPPLY CORPORATION

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To: Ms. Katie Moore, Administrative Law Judge
Public Utility Commission of Texas
From: David Filer, President of the Board of Directors
Ross Water Supply Corporation
Re: Docket No. 50957, Jonathan Spence

In an effort to maintain high quality water service and to comply with TCEQ pressure regulations, The Ross Water Supply Corporation (Ross WSC) requires a new water service study on all new water meter requests to determine the ability to add another water meter to the water system. Ross WSC contracts with Tabor & Associates to perform the service study consulting and make recommendations accordingly. If the meter addition will affect the pressures of existing meters, a recommendation is made for system improvements.

Per policy and as a result of the request from Mr. Spence to add a new service meter, Ross WSC consulted with Tabor & Associates. The study results and service map are attached for your review. It is the conclusion of Tabor & Associates to make recommended system improvements in order to allow for the addition of Mr. Spence's new meter request while maintaining required water pressures to existing customers. Tabor & Associates included estimated construction costs of \$13,500 - \$15,000 for the needed improvements.

The engineer has completed the improvement plans and has requested bids for two additional new meter requests that system improvements were recommended in the same project area. The bids should be available in two weeks and will provide a more accurate cost for completion of the necessary upgrades.

Please contact the Ross WSC office if you need additional information.

Sincerely,

David Filer

President of the Ross WSC Board of Directors

June 29, 2020

NEW WATER SERVICE STUDY

THIS IS NOT APPROVAL FOR WATER SERVICE.

WATER SERVICE IS ONLY APPROVED BY THE WATER SYSTEM (NOT THE ENGINEER).



Ross W.S.C.

Applicant Information:

Water System:

Applicant Name:	Johnathan Spence
Number of Meter(s) Requested:	1 (5/8" Meter)
Map Page/Location:	4 of 9
Existing Line Size at Point of Service	4"

Hydraulic Analysis:

Existing System Meter Count:	860
Calculated Pressure Drop at existing meters when Applicant's service is added to the existing system with no improvements:	Less than 1 PSI
Calculated Pressure during Peak Use at existing meters when Applicant's meter is added to the existing system with no improvements:	37 - 38 PSI

Recommended Improvements:

Estimated Construction Cost Including Engineering Fees based on recent similar work performed by general contractors. Actual cost will fluctuate due to easements, road crossings, creek crossings, obstructions, final routing, etc.	\$13,500 - \$15,000
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Brief Description of Minimum Recommended Improvements:

Any new meters added in the area of the requested service will reduce the pressures of existing meters. Our office does not recommend adding any new meters to this portion of the system until the following system improvements are made (1) Install a section of the improvements shown on Attachment F along Ft Graham Road of the Hydraulic Analysis Report dated 5-11-2020; however, the water service is approved only by the Water System (not the Engineer). (Design details including specifications and specific location of improvements will be included in construction documents.)

Note: Based on historical plant supply data and the current meter count provided on the meter study, the current demand is 87% of the total requirement for the system supply. TCEQ requires systems to have a plan in place when 85% of the system's capacity is reached. Two options for additional supply are as follows: (A) Continue to pursue City of Waco for a Contract. (B) Drill a new water well.


Disclaimer: This Study was performed with modeling software using TCEQ Rules and Regulations and the March 2020 Water System Maps. Unless otherwise noted, the system is designed to maintain a minimum pressure of 35 psi at all points within the distribution network at flow rates of 1.5 gallons per minute per connection equivalent. The results of this analysis may change drastically with the addition or deletion of meters, particularly within the vicinity of this applicant's location. This Study is valid to the water system from Tabor & Associates, Inc. not more than 60 days from the date of this report.

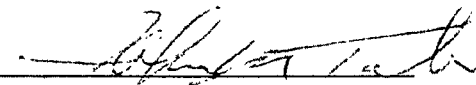
The Water System should receive the following items from Applicant before proceeding with Design & Bidding of Improvements:

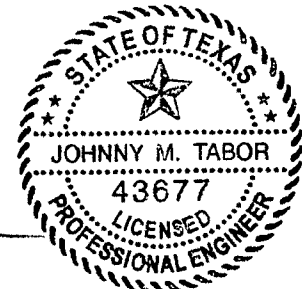
- 1A. Payment of Engineering Fees for plans & bid schedule by engineer. Bids and construction administration by the water system. \$500.00
- 1B. Payment of Engineering Fees for project construction documents, bids, and construction administration by engineer. \$1,700.00
2. Crossing permits for TxDOT or Railroad
3. Copy of Approved Plat or Deed Map
4. Written regulatory verification of viable sewage facilities.

The Water System should receive the following items from the Applicant before beginning construction and meter installation:

1. Payment for all system construction and meter/service charges.
2. Easements for water lines signed and filed at County Deed Records.
3. Written and signed agreement covering special service requirements such as reserved meters, future capacity, time limits, etc.
4. Meet the system operator to stake meter location.

Prepared by: 
5/28/2020

Approved by: 



PROJECT AREA

