

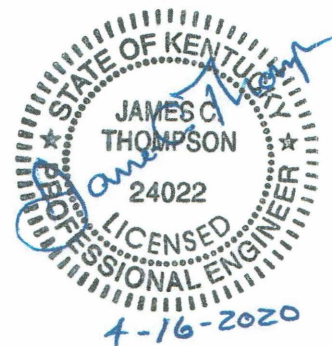
**GRAYSON COUNTY WATER DISTRICT**  
***EAST-WEST INTERCONNECT PROJECT***  
***FINAL ENGINEERING REPORT***

***GRAYSON COUNTY WATER DISTRICT***

***21 Shull White Road***

***Leitchfield, KY 42754***

***April 2020***



# Grayson County Water District East/West Interconnect Project Final Engineering Report



## I. SUMMARY

The Grayson County Water District (GCWD) was formed by a group of visionaries with the idea of safe affordable drinking water for the rural areas of Grayson County in 1969. Fiscal Court passed a resolution officially creating the Grayson County Water District and in 1974 the district began providing water to the county.

The proposed project consists of three (3) new interconnects, a (1) line extension and upgrade, and a (1) new master meter. The interconnects are necessary to allow GCWD to serve areas that are currently only fed by purchased water from Leitchfield Utilities. The areas included are Peter Cave, Lilac, and KY 259 South. It will also include a line extension and upsize from their Detention Center Tank and a new master meter vault in the Duff area of Grayson County. GCWD will be upgrading their raw water pumps to increase capacity to the WTP with their own budgeted capital improvement funds and improving and/or adding to the SCADA system. The proposed project will improve the overall service and water quality to GCWD customers in the areas listed by providing water treated at GCWD's WTP.

## II. PROPOSED PROJECT

The proposed project consists of three (3) new interconnects, a (1) line extension and upgrade, and a (1) new master meter. The major components are listed below:

1. Interconnection of Peter Cave Road to Johnny Frank Rd.
2. Interconnection of Lilac Road to Peter Cave Road.
3. Interconnection of 259 South to McDonald Road.
4. Detention Center Tank line extension and expansion.
5. Master Meter at Duff Road and McDonald Road.

## III. PROJECT BUDGET AND FINANCING

The project was advertised for construction bids on March 11, 2020 with a bid opening of April 1, 2020. There were four bidders on Contract 3 - East/West Interconnect.

The low bidder on Contract 3 was Stott's Construction of Columbia, Kentucky with a low bid of \$1,037,360.00. The project manager for Kentucky Engineering Group, PLLC has worked with Stott's Construction on previous projects and has found them

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to be a responsible and responsive bidder and contractor. Therefore, a letter of recommendation will be provided to the Grayson County Water District.

The funding available for the project consists of the following source:

Rural Development Loan, original	\$539,000
Rural Development Grant, original	\$271,200
Rural Development Loan, additional	\$256,400
Rural Development Grant, additional	\$85,460
Grayson County Water District	<u>\$64,000</u>
<b>Total</b>	<b>\$1,216,060</b>

The revised budget for the project is as follows:

Legal	\$10,000
Land & Rights	\$8,000
Engineering	\$160,700
Construction	\$1,037,360
Contingencies	\$103,740
<b>TOTAL:</b>	<b>\$1,216,060</b>

It is the recommendation of Kentucky Engineering Group, PLLC to proceed to the construction phase of this project after submittal of Rural Development post bid documents and proceed with the pre-closing and pre-construction conferences.

## IV. PROPOSED PROJECT SCHEDULE

The proposed project schedule is:

1. Approval of Additional Funding Request	5/12/2020
2. Contract Award	5/27/2020
3. PSC Submission	5/15/2020
4. Pre-Closing	6/30/2020
5. Initiate Construction	7/10/2020
6. Substantial Completion	1/10/2021
7. Final Completion / Initiation of Operation	2/10/2021