

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

<b>ELECTRONIC APPLICATION OF GREEN</b>	)	
<b>RIVER VALLEY WATER DISTRICT</b>	)	
<b>PURSUANT TO KRS 278.023 AND 807 KAR</b>	)	
<b>5:069 FOR A CERTIFICATE OF PUBLIC</b>	)	
<b>CONVENIENCE TO EXPAND ITS WATER</b>	)	<b>CASE NO. 2019-00287</b>
<b>TREATMENT PLANT AND RELATED</b>	)	
<b>WATERWORKS IMPROVEMENTS, AN</b>	)	
<b>ADJUSTMENT OF ITS RATES FOR WATER</b>	)	
<b>SERVICE; AND AUTHORIZATION TO ISSUE</b>	)	
<b>CERTAIN SECURITIES</b>	)	

**APPLICATION**

Pursuant to KRS 278.023, and 807 KAR 5:069, Green River Valley Water District (“Green River District”) applies to the Public Service Commission for an Order granting a certificate of public convenience and necessity for the expansion of its water treatment plant and other waterworks improvements, approving an adjustment of its rates for water service, and authorizing the issuance of \$8,062,000 of revenue bonds.

In support of its Application,<sup>1</sup> Green River District provides the following:

1. The full name and post office address of Green River District is: Green River Valley Water District, Post Office Box 460, Horse Cave, Kentucky 42749-0460. Its e-mail address is grvwd@scrtd.com.

2. Green River District not a corporation, limited liability company or limited partnership. It has no articles of incorporation or partnership agreements.

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<sup>1</sup> To facilitate the Public Service Commission’s initial review of this Application, Green River District has attached to this Application a Filings Requirements List that lists each statutory and regulatory requirement for a water district’s application for approval of a federally fund construction project and identifies the exhibit or paragraph that satisfies the requirement.

3. Green River District is a water district created pursuant to KRS Chapter 74. It was created by an Order of Hart County Court entered November 16, 1959. A copy of this Order and subsequent Orders that modified Green River District's territory are attached at **Tab 1** of this Application.

4. Green River District is engaged in the production, distribution, and sale of water to approximately 6,771 residential customers and 282 commercial customers in the Kentucky counties of Barren, Green, Hart, Larue, and Metcalfe.<sup>2</sup> Green River District provides water for resale to Larue County Water District, Green Taylor Water District, the cities of Cave City, Horse Cave, Munfordville, and Bonnieville, and the Caveland Environmental Authority.<sup>3</sup>

5. A copy of the resolution of Green River District's Board of Commissioners authorizing the filing of this application is attached at **Tab 2** of this Application.

6. Copies of all orders, pleadings and other communications related to this proceeding should be directed to:<sup>4</sup>

David Paige  
General Manager  
P.O. Box 460  
Horse Cave, KY  
(270) 786-2134  
grvwd@scrtc.com

J. David Smith, Jr.  
Gerald E. Wuetcher  
Stoll Keenon Ogden PLLC  
300 West Vine Street, Ste 2100  
Lexington, KY 40507-1801  
(859) 231-3000  
david.smith@skofirm.com  
gerald.wuetcher@skofirm.com

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<sup>2</sup> *Annual Report of Green River Valley Water District to the Public Service Commission of the Commonwealth of Kentucky for the Calendar Year Ended December 31, 2018* ("2018 Annual Report") at Ref Page 27.

<sup>3</sup> *Id.* at Ref Pages 29-30.

<sup>4</sup> On August 19, 2019, Green River District gave notice pursuant to 807 KAR 5:001, Section 8, of its intent to file this application and of its use of electronic filing procedures.

7. Green River District proposes to expand its existing water treatment plant capacity from six million gallons per day to eight million gallons per day. As part of this expansion, Green River District proposes to construct a secondary rate water pump station to pump water from Rio Verde Spring (its current source of supply), a chemical feed building and feed equipment, two two-staged flocculation basins and two sedimentation basins, two filters, and a 1,400,000 gallon clearwell. It further proposes to make yard piping improvements, to refurbish its existing laboratory and operator area, and to install new supervisory control and data acquisition (“SCADA”) systems for its water treatment plant and water distribution system.

8. The total estimated cost of the proposed waterworks improvements is \$11,625,000.

9. Kenvirons, Inc., an environmental and civil engineering firm based in Frankfort, Kentucky, is responsible for the design of the proposed waterworks improvements and will supervise their construction. A copy of the Preliminary Engineering Report for the proposed waterworks improvements is attached as **Tab 3** of this Application. This report was subsequently revised. A copy of the Revised Preliminary Engineering Report is found at **Tab 4**. The Final Engineering Report is found at **Tab 5**.

10. Green River District requested bids on the construction of the proposed waterworks improvements. It opened bids on July 10, 2019. The bid of Judy Construction, Inc., of Cynthiana, Kentucky, which was \$9,715,000, was the lowest submitted bid. The certified bid tabulations and the Project Engineer’s recommendation are found at **Tab 6** and **Tab 7** of this Application respectively. Rural Development, an agency of the U.S. Department of Agriculture, has concurred in the award of the construction contract to Judy Construction. A copy of the

Letter of Concurrence is found at **Tab 8** of this Application. The selected bid is effective for 90-days and will expire on **October 8, 2019**.

11. A copy of the plans and specifications for the proposed waterworks improvement project on electronic storage medium in portable document format is attached to this Application at **Tab 9**.

12. Green River District proposes to finance the cost of the proposed waterworks improvements through the issuance of \$8,062,000 of its Waterworks Revenue Bonds, consisting of \$5,600,000 of Series A Bonds and \$2,462,000 of Series B Bonds, and a grant of \$3,563,000 from Rural Development. Rural Development has committed to purchase all of the Waterworks Revenue Bonds. These bonds will mature over a 40-year period at an interest rate not to exceed 2.25 percent per annum for the Series A Bonds and at an interest rate not to exceed 2.75 percent per annum for the Series B Bonds.

13. On September 13, 2016, Rural Development issued a Letter of Conditions in which it specified the conditions under which it will finance the construction of the proposed waterworks improvements. On August 6, 2019, it issued an amended Letter of Conditions which, among other things, revised the amount of financial assistance to be provided in support of the construction of the proposed waterworks improvements.<sup>5</sup> These letters, together with Green River District's acceptance of those conditions and its Request for Obligation of Funds (Form RD 1940-1) are found at **Tab 10** and **Tab 11** of this Application.

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<sup>5</sup> The Amended Letter of Conditions, issued on August 6, 2019 and found at Tab 11A, contains an inconsistency regarding the total level of funding assistance that Rural Development will provide. The following statement appears on the first page of the letter: "The docket may be completed on the basis of a RUS loan not to exceed \$8,062,000 (\$5,600,000 initial and \$2,462,000 subsequent) and a RUS grant not to exceed \$3,563,000.(\$2,400,000 Initial and \$1,163,000 subsequent)." On the next page of this letter, it is stated that the financing for the project includes total loans of \$8,000,000 (\$5,600,000 and \$2,400,000). Notwithstanding this inconsistency, the total amount that Rural Development will lend to Green River District is \$8,062,000. The controlling documents are the executed Form RD 1940-1s. These documents reflect that a total loan amount of \$8,062,000 (\$5,600,000 and \$2,462,000)

14. In its Letter of Conditions, as amended, Rural Development specifies a minimum level of rates that Green River District must assess to its customers as a condition to Rural Development's financial assistance. These rates are set forth at Page 3 of the Letter of Conditions dated August 6, 2019 and at **Tab 12** of this Application. These rates are higher than those Green River District currently assesses.

15. Green River District does not propose to construct any of the proposed waterworks improvements in a manner that deviates from or fails to meet the Public Service Commission's minimum acceptable construction standards.

16. A certified statement from the Chairman of Green River District's Board of Commissioners as 807 KAR 5:069, Section 2(6) requires is found at **Tab 13** of this Application.

17. Green River District has provided notice of the proposed change in rates to its customers in accordance with 807 KAR 5:069, Section 3. Publication of "Notice of Proposed Rate Change," which is found at **Tab 14** of this Application, has been published in the newspaper of general circulation of each county in which Green River District provides water service on or before the filing of this Application with the Public Service Commission. Green River District has posted a copy of the Notice of Proposed Rate Change at its place of business and upon its website. Within 15 days of the filing of this Application, Green River District will file the required proof of its publication of "Notice of Proposed Rate Change."

18. KRS 278.023(1) requires the Public Service Commission to accept an agreement between a water district and the U.S. Department of Agriculture involving a construction project that is financed in whole or in part by the U.S. Department of Agriculture and prohibits the Public Service Commission from any action that would prevent the water district from fulfilling its obligations under such agreement. KRS 278.023(3) requires that the Public Service

Commission issue such orders that are necessary to implement the terms of such agreement within 30 days of the filing of the water district's application for such orders.

**WHEREFORE**, Green River Valley Water District requests that the Commission:

1. Grant Green River District a Certificate of Public Convenience and Necessity to construct the proposed waterworks improvements;
2. Approve the rates set forth in the Letter of Conditions, as amended, and further set forth at **Tab 12** of this Application;
3. Approve the arrangements for financing the proposed waterworks improvements, including authorizing Green River District to issue Green River Valley Waterworks Revenue Bonds, Series 2020, consisting of \$5,600,000 of Series A Bonds at an interest rate not to exceed 2.25 percent per annum and \$2,462,000 of Series B Bonds at an interest rate not to exceed 2.75 percent per annum; and,
4. Grant any and all such other relief to which Green River District may be entitled.

Dated: August 30, 2019

Respectfully submitted,



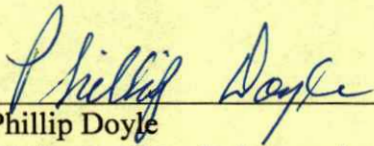
J. David Smith, Jr.  
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*Counsel for Green River Valley Water District*

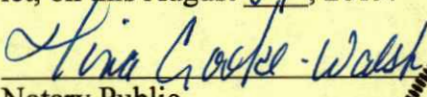
COMMONWEALTH OF KENTUCKY )  
 ) SS  
COUNTY OF HART )

The undersigned, Phillip Doyle, being duly sworn, deposes and states that he is the Chairman of the Board of Commissioners of Green River Valley Water District, the Applicant in the above proceedings; that he has read this Application and has noted its contents; that the same is true of his own knowledge, except as to matters which are therein stated on information or belief, and as to those matters, he believes same to be true.

IN TESTIMONY WHEREOF, witness the signature of the undersigned on this August 29, 2019.

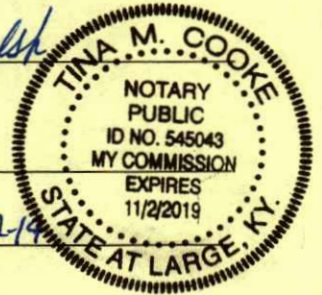
  
\_\_\_\_\_  
Phillip Doyle  
Chairman, Board of Commissioners  
Green River Valley Water District

Subscribed and sworn to before me by Phillip Doyle, Chairman, Board of Commissioners, Green River Valley Water District, on this August 29, 2019.

  
\_\_\_\_\_  
Notary Public

Notary ID: \_\_\_\_\_

My Commission Expires: 11-2-19



CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Green River Valley Water District's August 30, 2019 electronic filing of this Application is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Commission on August 30, 2019; that there are currently no parties that the Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of the Application will be delivered to the Commission on or before September 4, 2019.

A handwritten signature in blue ink, reading "Gerald E. Wuetcher". The signature is written in a cursive style with a horizontal line underneath the name.

Gerald E. Wuetcher



**FILING REQUIREMENTS FOR AN APPLICATION  
FOR APPROVAL OF A FEDERALLY FUNDED CONSTRUCTION PROJECT OF  
A WATER DISTRICT FILED PURSUANT TO KRS 278.023**

<b>Source Authority</b>	<b>Requirement</b>	<b>Location</b>
807 KAR 5:069, §2(1) 807 KAR 5:001, § 14(1)	Applicant's name, mailing address and e-mail address	Page 1, Para 1
807 KAR 5:069, §2(1) 807 KAR 5:001, § 14(1)	Statutory Reference – KRS 278.023; 807 KAR 5:069	Page 1
807 KAR 5:069, §2(1) 807 KAR 5:001, § 4(3)	Signature of Applicant's Attorney	Page 6
807 KAR 5:069, §2(1) 807 KAR 5:001, § 4(3)	Name, Address, Telephone Number, Fax Number, and e-mail address of Applicant's Attorney	Page 6
807 KAR 5:069, §2(1) 807 KAR 5:001, § 14(2)	If Applicant is corporation: State and date of incorporation, attestation of good standing in state of incorporation, statement regarding authorization to transact business in Kentucky	Page 1, Para 2 <b>Not Applicable</b>
807 KAR 5:069, §2(1) 807 KAR 5:001, § 14(3)	If Applicant is a limited liability company: State and date of organization, attestation of good standing in state of incorporation, statement regarding authorization to transact business in Kentucky	Page 1, Para 2 <b>Not Applicable</b>
807 KAR 5:001, § 14(4)	If the Applicant is a limited partnership: a certified copy of limited partnership agreement and all amendments or statement identifying prior Commission proceedings in which limited partnership agreement and all amendments filed	Page 1, Para 2 <b>Not Applicable</b>
807 KAR 5:069, §2(2)	Documents from the federal agency stating approval of the project, including all terms and conditions of the agreement, including all amendments	Page 4, Para 14; Exhibits 10 and 11
807 KAR 5:069, §2(3)	Letter of concurrence in contract award	Pages 3-4, Para 10; Exhibit 8
807 KAR 5:069, §2(4)	Preliminary Engineering Report	Page 3, Para 9; Exhibits 3 and 4
807 KAR 5:069, §2(4)	Final Engineering Report	Page 3, Para 9; Exhibit 5
807 KAR 5:069, §2(4)	Bid Tabulation	Page 3, Para 10; Exhibit 6
807 KAR 5:069, §2(5)	Plans and Specifications on electronic storage medium in PDF format	Page 4, Para 11; Exhibit 9
807 KAR 5:069, §2(6)	Certified statement from authorized water utility official	Page 5, Para 16; Exhibit 13
807 KAR 5:069, §2(7)	Statement that notice meeting the requirements of 807 KAR 5:069, §3 has been given and a copy of notice	Page 5, Para 18 Exhibit 14

# **EXHIBITS**

## TABLE OF EXHIBITS

<u>Tab No.</u>	<u>Description</u>
1	Orders Establishing Green River Valley Water District and Modifying its Territory
2	A Resolution of the Board of Commissioners of Green River Valley Water District Authorizing an Application to the Kentucky Public Service Commission for A Certificate of Public Convenience and Necessity to Construct Certain Waterworks Improvements, Issue Certain Securities, and to Adjust Its Rates for Water Service
3	Kenviron, Inc., Preliminary Engineering Report (April 2015)
4	Kenviron, Inc., Revised Preliminary Engineering Report (April 2016)
5	Kenviron, Inc., Final Engineering Report (July 2019)
6	Certified Bid Tabulation
7	Letter from R. Vaughn Williams, Kenviron, Inc. to Phillip Doyle, Chair, Green River Valley Water District Board of Commissioners, Subj: Water Treatment Expansion (Aug. 9, 2019)
8	Memorandum from Julie Anderson, Rural Development Kentucky State Office, to Rural Development Area Office, Elizabethtown, Kentucky, Subj: Contract Award Concurrence (Aug. 20, 2019)
9	Plans and Contract Specifications
10	Original Letter of Conditions and Related Documents
10A	Letter of Conditions (Sep. 13, 2016)
10B	Intent to Meet Letter of Conditions
10C	RD Form 1940-1 "Request for Obligation of Funds"
11	Amended Letter of Conditions and Related Documents
11A	Amended Letter of Conditions (Aug. 6, 2019)
11B	Intent to Meet Letter of Conditions
11C	RD Form 1940-1 "Request for Obligation of Funds"
12	Proposed Rates

<b><u>Tab No.</u></b>	<b><u>Description</u></b>
<b>13</b>	Certified Statement of the Chairman of Green River Valley Water District Required By 807 KAR 5:069, Section 2(6)
<b>14</b>	Notice of Proposed Rate Change

# **EXHIBIT 1**

ORDINANCE

HART COUNTY

COURT

CALLER Term, 1st., Day, 11th Day of December 19 59

COMES

PRESENT: Honorable Willie McGoy JUDGE PRESIDING

ESTABLISHMENT OF WATER DISTRICT IN HART COUNTY:

IN THE COUNTY COURT OF HART COUNTY, KENTUCKY

In the Matter of:

THE PETITION OF CERTAIN RESIDENT FREE- )  
HOLDERS FOR THE ESTABLISHMENT OF A )  
WATER DISTRICT IN HART COUNTY, KENTUCKY, ) No. \_\_\_\_\_  
ACCORDING TO KRS CHAPTER 71, AND THEIR )  
REQUEST THAT SUCH PROPOSED DISTRICT BE )  
NAMED AND DESIGNATED "GREEN RIVER VALLEY )  
WATER DISTRICT." )

ORDER CREATING WATER DISTRICT AS PRAYED;  
DESIGNATING "GREEN RIVER VALLEY WATER  
DISTRICT" AS THE NAME THEREOF; APPOINT-  
ING COMMISSIONERS, FIXING THEIR RESPECTIVE  
TERMS, PRESCRIBING THE AMOUNT OF BOND TO  
BE GIVEN BY EACH, AND FIXING THE COMPENSA-  
TION OF COMMISSIONERS.

AT A COURT HELD IN HART COUNTY, KENTUCKY, ON THE 16TH DAY OF NOVEMBER, 1959:

Public notice having been duly given, this matter came before the Court for hearing pursuant to KRS 71.01(2). Present in Court were certain of the parties who signed the petition for establishment of a Water District; Mr. Campbell Wallace, Jr., Knoxville, Tennessee, the Consulting Engineer who has been advising the petitioner on engineering matters; Mr. James B. Myers, Attorney at Law, Horse Cave, Kentucky; Mr. Cornelius W. Grafton and Mr. H. Wendell Cherry, of the Louisville, Kentucky, law firm of Wyatt, Grafton & Grafton; and such interested members of the general public as saw fit to attend.

The Court examined the map filed as an exhibit with the petition, heard an extensive explanation of the Engineer regarding the proposed source of water supply of the proposed Water District, the quantity and quality of water obtainable from such source, the nature, extent, and estimated cost of the recommended water system facilities, the number of prospective water customers, the possibility of the District entering into contracts for the sale of water to the Cities of Cumberland and Horse Cave, in Hart County, Kentucky, and Cave City in Warren County, Kentucky, and the financial feasibility of the proposed undertaking. Statements were made by interested persons concerning the demand and need for an adequate supply of pure and potable water in the area of the District and in the other Cities and surrounding areas. There was evidence of inadequacy of wells and cisterns, contamination of the waters of Green River, and the contamination of percolating ground waters of the area by reason of extensive oil drilling operations in adjacent Counties and extensive saline discharge incident thereto. Such matters being of common and general knowledge for a considerable period of time, and being the subject of much local discussion from day to day, the Court takes judicial notice thereof.

All parties in attendance having been given opportunity to be heard, and the Court being sufficiently advised,

IT IS NOW ORDERED BY THE COURT:

1. It is found and declared that the establishment of the proposed Water

tection and comfort of the residents of the area described in the Petition herein

2. The Prayer of the Petition is granted under authority of KRS 74.010(2), and the proposed Water District is hereby established and declared to exist as a public body corporate, pursuant to KRS 74.070, with power, acting through its Board of Commissioners, to make contracts for the Water District.

Such District is hereby designated "GREEN RIVER VALLEY WATER DISTRICT," and in such name it may contract and be contracted with, sue and be sued, have and use a corporate seal, hire necessary employees, do all acts necessary to carry out its statutory duties and functions, and enjoy and exercise the general powers of corporations, and the specific powers enumerated in KRS Chapter 74.

3. The territory of said GREEN RIVER VALLEY WATER DISTRICT is bounded and described, as follows:

Beginning at the point of intersection of the Hart County - Barron County Boundary and the centerline of the Louisville and Nashville Railway tracks, said point being S 18° - 52' W, 41,230 feet from a point in the centerline of the Louisville and Nashville Railway tracks midway of the trestle over the Green River; thence N 18° - 52' E, 41,230 feet to a point in the centerline of the Louisville and Nashville Railway tracks midway of the trestle over the Green River; thence N 54° - 09' E, 47,500 feet to the intersection of U. S. Highway 31E, and State Highway 566 at Linwood; thence S 02° - 35' W, 17,100 feet to the intersection of a county road between U. S. Highway 31 E & Garner and Defries and another County road leading off in a South Easterly direction, said intersection being approximately 0.3 mile from U. S. Highway 31E along the road from U. S. Highway 31E to Defries; thence S 08° - 29' W, 41,850 feet to the intersection of State Highway 218 and State Highway 436 at LaGrande. Thence S 65° - 11' W, 23,850 feet to the point of intersection of the Hart County - Barron County Boundary and the centerline of U. S. Highway 31E; thence following the Hart County - Barron County line 25,000 feet more or less to the point of beginning and excluding the Town of Horse Cave,

4. As provided in and by KRS 74.020, the Court hereby appoints, from among the residents of the said District, three Commissioners to hold office, subject to the pleasure of the Court, for the following respective terms:

NAME	POST OFFICE ADDRESS	TERM	
		BEGINNS	ENDS
R. E. Palmore	Horse Cave, Kentucky	Nov. 16, 1959	Nov. 16, 1961
Keith Jewell	Horse Cave, Route ____, Ky,	Nov. 16, 1959	Nov. 16, 1962
Donald McDonald	Hardyville, Kentucky	Nov. 16, 1959	Nov. 16, 1961

5. Each of said Commissioners shall qualify by taking the oath prescribed by Section 22E of the Constitution of the Commonwealth, and by giving bond as herein after prescribed.

6. Each of said Commissioners shall execute bond initially in the penal sum of One Thousand Dollars (\$1,000.00) conditioned upon the faithful performance of the duties of his position; such bond, and corporate surety thereon, to be approved by the Court and subject to reexamination and redetermination as to amount, as the Court may from time to time deem proper.

7. The question of salaries is reserved.

WILLIE McCOY  
Judge

It is ORDERED THAT COURT BE AND THE SAME IS HEREBY ADJOURNED.

ATTEST: W. Stewart CLERK Willie McCoy JUDGE

STATE OF KENTUCKY)  
 )  
COUNTY OF HART...)

I, D.A. Stewart, Clerk of the County Court for the County and State aforesaid, certify that the above and foregoing is a true and correct copy of the instrument as recorded in my office in County Court Order Book 8, Page 394-5.

Witness my hand, this the 22nd day of October, 1976.

D.A. Stewart CLERK  
BY: Daniel M. [unclear] DC



IN THE COUNTY COURT OF BARREN COUNTY, KENTUCKY

IN THE MATTER OF:

THE PETITION OF GREEN RIVER VALLEY WATER	)	
DISTRICT THAT A CERTAIN DESCRIBED AREA	)	
IN BARREN COUNTY, KENTUCKY, BE ANNEXED	)	No. _____
TO AND MADE A PART OF SAID DISTRICT, PUR-	)	
SUANT TO A PETITION OF RESIDENT FREEHOLDERS,	)	
TENDERED HEREWITH.	)	

ORDER ANNEXING TO GREEN RIVER VALLEY WATER DISTRICT A CERTAIN DESCRIBED AREA IN BARREN COUNTY, KENTUCKY, PURSUANT TO A PETITION OF RESIDENT FREEHOLDERS OF SAID AREA AND A PETITION FILED HEREIN BY SAID WATER DISTRICT, ACTING BY AND THROUGH THE COMMISSIONERS THEREOF; ALL PURSUANT TO KRS 74.115 AND 74.110.

AT A COURT HELD IN BARREN COUNTY, KENTUCKY, ON THE 11 DAY OF April, 1960:

This matter is before the Court under submission for entry of an Order under the provisions of KRS 74.110(3).

It appears from this record that Green River Valley Water District is a Water District heretofore created pursuant to an Order of the County Court of Hart County, Kentucky, under the provisions of KRS 74.010, et seq., comprising an area in Hart County which is bounded on the south by the boundary line between Hart and Barren Counties.

KRS 74.115 authorizes the Board of Commissioners of such a Water District, upon written request of two or more freeholders in a

county adjacent to the county of said Water District's creation, to petition the County Court of such adjoining county for addition of proposed territory. The procedure is the same as that which is prescribed in KRS 74.110.

It is apparent that Barren County is adjacent to Hart County. As exhibits to the Petition filed herein by said Green River Valley Water District, acting by and through its Board of Commissioners according to KRS 74.115, there are tendered (a) a written request of more than two freeholders of a described area of Barren County, which has as its northern boundary line a portion of the line common to Hart and Barren Counties and which described area is therefore contiguous to said Water District; and (b) a Resolution shown to have been adopted by the Board of Commissioners of Green River Valley Water District, acknowledging that the reasons for annexation, as set forth in such Petition of the freeholders of the said described area of Barren County, are meritorious, reciting the belief of the Board of Commissioners that the water supply of the District will be adequate to furnish proper water service in the said described area of Barren County in addition to its own original area in Hart County, approving such Petition, and authorizing the tendering of such Petition of the freeholders, together with such Resolution of the Board of Commissioners of the Water District in support of a Petition that this Court enter an Order of annexation pursuant thereto.

At the time of the filing of the aforesaid annexation Petition, the Board of Commissioners of the Water District tendered to this Court a suggested form of public notice and requested that

the Court consider and approve the same and enter an Order prescribing the time and manner of its publication, and establishing a date on or before which exceptions might be filed - all as contemplated by RRS 74.110. Such an Order was entered by this Court, as prayed, and proper evidence has now been tendered in the record showing publication of the approved form of notice in accordance with the terms of the Order.

Said Order of this Court fixed and established the 11 day of April, 1960, as the last day upon which objections or exceptions might be filed to the aforesaid annexation Petition and the published notice apprised the public thereof. It appears that within the period so allowed, no objections or exceptions were filed.

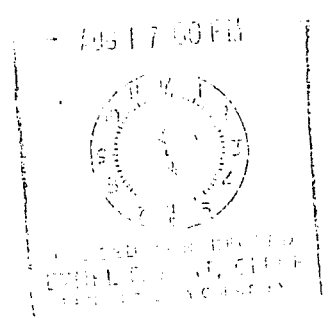
At a hearing held on the 11 day of April, 1960, the Court heard evidence of the organization and establishment of Green River Valley Water District, its employment of competent Consulting Engineers, and of the report, findings, and recommendations of such Engineers with regard to availability of a source of adequate water supply, the acceptability of said source to the proper Public Health Authorities, and proposed installations for piping water from such source of supply and making distribution thereof in areas having sufficient density of population to render the same financially feasible. The Court further had heard evidence of the freeholders of the described area in Sarren County as to their need for water service and the fact that the same appears to be unavailable from any other feasible source. It is further shown by the evidence that the

proposed water facilities of the District may be extended into said described area of Barren County, that the source of supply is adequate to serve the needs thereof, and that according to the preliminary studies, reports, and recommendations of the Consulting Engineers, the extension of such water facilities into said area is feasible.

The Court being sufficiently advised finds from the record and from the evidence heard by the Court that it is reasonably necessary that the area in Barren County, hereafter described in this Order, be annexed to and become a part of said Green River Valley Water District, and under authority of KRS 74.115 and 74.110 IT IS ORDERED THAT THE SAME BE AND IS HEREBY SO ANNEXED TO SAID DISTRICT. The area so annexed is described, as follows:

Beginning at the point of intersection of the Hart County-Barren County Boundary and the centerline of the Louisville and Nashville Railway tracks, said point being S 18°-52' W, 41,230 feet from a point in the centerline of the Louisville and Nashville Railway tracks midway of the trestle over the Green River; thence N 18°-52' E, 41,230 feet to a point in the centerline of the Louisville and Nashville Railway tracks midway of the trestle over the Green River; thence N 54°-09' E, 49,500 feet to the intersection of U.S. Highway 31E, and State Highway 566 at Linwood; thence S 02°-35' W, 17,100 feet to the intersection of a county road between U.S. Highway 31E at Cammer and Defries and another county road leading off in a South Easterly direction, said intersection being approximately 0.3 mile from U.S. Highway 31E along the road from U.S. Highway 31E to Defries; thence S 03°-29' W, 41,850 feet to the intersection of State Highway 218 and State Highway 436 at LaGrande. Thence S 65°-11' W, 23,850 feet to the point of intersection of the Hart County-Barren County Boundary and the centerline of U.S. Highway 31E; thence following the Hart County-Barren County line 25,000 feet more or less to the point of beginning and excluding the Town of Horse Cave.

From and after the date of this Order the above-described area shall constitute a part of said Green River Valley Water District, subject to the jurisdiction of the Board of Commissioners thereof, and entitled to all of the benefits and privileges of the original Hart County area of said Water District.



James E. Hillenwater  
JUDGE

Br. 40  
Pg. 121  
42-5

STATE OF KENTUCKY  
COUNTY OF BARRETT

I, Wilmer L. ... of the ... County COURT, do certify that the foregoing ... and ... copy as the same appears in ... Court Order Book, ... page ... Witness my hand and seal this ... day of ...

WILMER L. ... C. B. G. C.  
By Malina Coffey D. G.

THE CIRCUIT COURT OF THE COUNTY OF SARASOTA, FLORIDA

IN RE: [unclear]

THE PEOPLE OF THE STATE OF FLORIDA, )  
DISTRICT OF SOUTHERN FLORIDA, )  
IN BARRETT COOLEY, PETITIONER, )  
VS. )  
THE PEOPLE OF THE STATE OF FLORIDA, ) No. \_\_\_\_\_  
DISTRICT OF SOUTHERN FLORIDA, )  
IN BARRETT COOLEY, PETITIONER, )

ORDER OF THE CIRCUIT COURT OF THE 17 DAY  
OF AUGUST, 1960, CORRECTING AN OBVIOUS  
AND OBVIOUS ERROR, MADE BY THE DRAFTSMAN,  
OF THE ORDER AUTHORIZING TO GREEN RIVER VALLEY  
WATER DISTRICT A CERTAIN AREA IN SARASOTA COUNTY,  
FLORIDA; AND CORRECTING AND DESCRIBING THE AREA  
BEING IN QUESTION TO HAVE BEEN SOUGHT TO BE  
DETERMINED, AND TO BE INTENDED TO BE

FILED FOR RECORD IN THE CIRCUIT COURT OF THE COUNTY OF SARASOTA, FLORIDA, ON THE 16 DAY  
OF AUGUST, 1960.

This matter comes before the Court on a Petition of  
Green River Valley Water District asking correction of what is  
represented to be an obvious and inadvertent error of the draftsman,  
who prepared and tendered an Order which was entered herein on the  
17th day of August, 1960, having the following identifying  
caption:

ORDER OF THE CIRCUIT COURT OF THE COUNTY OF SARASOTA, FLORIDA  
DISTRICT OF SOUTHERN FLORIDA, IN RE: A CERTAIN AREA IN SARASOTA  
COUNTY, FLORIDA, AUTHORITY OF A PETITION OF  
THE PEOPLE OF THE STATE OF FLORIDA AND A  
PETITION FILED HEREIN BY GREEN RIVER VALLEY WATER DISTRICT,  
FILED BY THE CIRCUIT COURT OF THE CIRCUIT COURT OF THE DISTRICT OF  
SOUTHERN FLORIDA; ALL AS REFERRED TO BY RS 74.115 AND  
74.110.

The petition prays that the Court now enter a corrective Order, and that the same be made and declared to be effective, *sine pro tunc*, as of the date of entry of the original Order in which the error appears.

Upon review of the record herein, it appears that the District was created by an Order of Part County Court pursuant to KRS Chapter 74, and that this matter was initiated in this Court by a Petition filed by the District on the 24 day of February, 1960, seeking annexation to the District of a described area in Warren County. The procedure is authorized by KRS 74.115 and 74.110, and the Petition filed herein was in compliance with statutory requirements, in that it was accompanied by a written request for such annexation by more than two free-holders of the described Warren County area, and by a resolution of the District's Board of Commissioners endorsing its approval thereof. The District's Petition set forth a description in paragraph 2 of the original Part County area, and a description in paragraph 3 of the area of Warren County sought to be annexed. From these descriptions and an accompanying map, it conclusively appears that the two described areas are contiguous, and hence the Warren County area was eligible for annexation as prayed.

Notice of the proposed annexation of Warren County territory, in form approved by the Court, was published in the prescribed manner for the prescribed time; and no objections being filed or intimated, the aforesaid Order was duly entered by the Court. It is now sought to appear that the Order was and is erroneous, in that it provided for annexation to the District of its own original Part County area, over which this Court has no

jurisdiction, instead of describing the identified Barren County area which was correctly set forth in the Petition and in the published Notice.

The Petition and published Notice being correct in all details, the Court was in good and proper order when submitted on the 17th day of August, 1960, and no one could have been prejudiced or misled by the error to which the Court's attention is now directed. It could hardly appear from the Court's Record, without resorting to extrinsic evidence, that a plain mistake was made by the clerk in transcribing the description in paragraph 2 of the Petition when the description in paragraph 8 was the only one which could have been intended. Under such circumstances, the Court is authorized to issue a corrective Order at this time, relating back to the date of the erroneous Order, and correcting the inadvertent error with the same effect as if it had not been made.

Accordingly, the Court being sufficiently advised, and satisfied in conscience that the above-identified Order which was entered hereon on the 17th day of August, 1960, is hereby corrected as of the date of its original entry, and that the area of Barren County, Kentucky, hereby assigned to Green River Valley Electric Cooperative, Inc. is, and is to be, accurately described, as follows:

Beginning at the point where the boundary line between Barren County, Kentucky, and Madison County, Kentucky, is intersected by the centerline of U. S. Highway 31E, and extending generally in a southerly direction with the centerline of said highway line to the point where the same is intersected by the centerline of the Louisville and Nashville Railway Tracks, such point being further identified as being S 16°-52' E, 41,200 feet from a point in the centerline



of the Lexington and Nashville Railway Works  
... of the bridge over Green River in Part  
County, Kentucky, said line being identical with  
the north line of Green River Valley Water District  
as created by Order of the County Court of Part  
County, Kentucky, entered on the \_\_\_\_\_ day of \_\_\_\_\_,  
1939; thence S. 73° 42' \_\_\_\_\_, 7,050 feet, more or less,  
to the intersection of the County road from Cave  
City to Servant Valley Church and a County road to  
Fletcher Valley School (said intersection being  
approximately 0.70 mile from State Highway 70 along  
the road from Cave City to Servant Valley Church);  
thence S 27° - 04' \_\_\_\_\_, 13,020 feet, more or less, to the  
point of intersection of U. S. Highway 317 and State  
Highway 93; thence S. 81° - 16' E, 56,530 feet,  
more or less, to the point of intersection of State  
Highway 71 and State Highway 114 at Cold Springs; thence  
S 53° - 24' \_\_\_\_\_, 27,000 feet, more or less, to the  
point of intersection, but \_\_\_\_\_ the City of Cave  
City, Kentucky.

It is ordered that the above described lands then made,  
and now is, a part of the Green River Valley Water District, and  
... of the Board of Commissioners  
... and is entitled to all the benefits and privileges  
of the original West County area of said district.

Witness my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.  
*James S. Myers*  
Cave City, Kentucky

*James E. ...*  
Judge

Carroll's ...  
210 ...  
Lexington, Kentucky



BR 40  
Pg. 189

STATE OF KENTUCKY  
COUNTY OF BARREN

I, Wilmer L. Hodges, Clerk of the Barren County COURT, do certify  
that the foregoing instrument is a full, true and complete copy as  
the same appears of record in my office in Barren County Book,  
72 page 187.

Witness my hand and official seal this the 7 day of  
October, 1916.

WILMER L. HODGES, C. B. C. C.

By Wilmer L. Hodges D. C.

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF BARREN COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
BARREN COUNTY, KENTUCKY PURSUANT TO KRS  
74.110

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN BARREN COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Barren County, Kentucky by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Barren County, Kentucky, pursuant to KRS 74.110.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order entered by the County Court of Hart County, Kentucky, on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It also appears that on April 11, 1960 substantial, additional territories in Barren County, Kentucky were annexed to the DISTRICT by Order of the County Court of Barren County, Kentucky as evidenced by Barren County Court Order Book 40, Page 121 & 189.

It appears that the area sought to be annexed by the DISTRICT is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition filed by the DISTRICT was published in the Glasgow Daily Times as provided by KRS 74.110(2) and no objections or exceptions to the proposed annexation have been filed.

It appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the territory described below to grant the annexation requested by the DISTRICT.

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County Order Book 47  
Page 2017

(7)

The County Judge/Executive of Barren County, Kentucky, does hereby find, pursuant to KRS 74.110(3), that it is reasonably necessary that the area described below in Barren County, Kentucky, be annexed and become a part of the DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED that the territory described below may be and the same is hereby annexed to the territory of the GREEN RIVER VALLEY WATER DISTRICT pursuant to the provisions of KRS 74.110. The area so annexed is more particularly described as follows:

PART I: Beginning at the southeast corner of the present DISTRICT boundary, said corner being at the intersection of the centerline of State Highways 70 and 314 at Halfway; thence N 17° 28' E, 19,000 feet, more or less, to the intersection of the centerline of State Highway 821 and a county road leading from Park, Kentucky to Seymore at Park; thence N 39° 04' E, 14,260 feet, more or less, to the intersection of the Hart County-Barren County Line and the centerline of Kentucky State Highway 677; thence following the courses of the Hart County-Barren County line 33,000 feet, more or less, in a westerly direction to a point located S 78° 34' W, 33,260 feet, more or less, from the last point and being at the intersection of the Hart County-Barren County line and the centerline of U. S. Highway 31-E at Bear Wallow; thence following the original District boundary S 38° 24' E, 28,840 feet, more or less, to the point of beginning.

PART II: Beginning at the southwest corner of the existing Green River Valley Water District boundary, said corner being at the intersection of the centerlines of U. S. Highway 31-W and Old Kentucky Highway 90; thence N 76° 25' W, 22,600 feet, more or less, to the Edmonson County-Barren County line at a point 600 feet following the Edmonson County-Barren County line in a southerly direction from the centerline of State Highway 70; thence following the Edmonson County-Barren County line in a northerly direction 2,000 feet, more or less, to the intersection of the Edmonson County-Barren County line and the Mammoth Cave National Park boundary; thence following the meanders of the Mammoth Cave National Park boundary 11,000 feet, more or less, in a northerly direction to the intersection of the Mammoth Cave National Park boundary and the centerline of State Highway 255; thence S 85° 00' E, 23,800 feet, more or less, to an original corner of the Green River Valley Water District boundary; thence S 27° 04' W, 14,200 feet, more or less, following the original Green River Valley Water District boundary to the point of beginning of this extension and excepting all territory inside the city limits of the City of Cave City, Kentucky.

From and after the date of this Order, the above described area shall constitute a part of said GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

This 25 day of May, 1978.

BARREN COUNTY JUDGE/EXECUTIVE

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF LARUE COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
LARUE COUNTY, KENTUCKY PURSUANT TO KRS  
74.110 and 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN LARUE COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Larue County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Larue County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It also appears that on April 11, 1960, substantial, additional territories in Barren County, Kentucky were annexed to the DISTRICT by Order of the County Court of Barren County, Kentucky, as evidenced by Barren County Court Order Book 40, Page 121 & 189.

It appears that certain freeholders of land in the portion of Larue County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Larue County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into the southern part of Larue County in and around Magnolia, Kentucky.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition of the DISTRICT to annex this territory was published in the Larue County Herald News as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Larue County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Larue County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Larue County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Larue County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that substantially less than twenty-five percent of the total assets of the distribution system of the DISTRICT will be located within Larue County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for a Commissioner to be appointed from the area served by the DISTRICT in Larue County.

The County Judge/Executive of Larue County does hereby find that it is reasonably necessary that the area described below in Larue County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.119, that the area described below may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT.

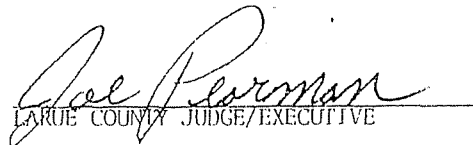
The area so annexed is more particularly described as follows:

Beginning at the intersection of the Hart County-Larue County line and the centerline of Pottinger Creek; thence N 31° 00' E, 8,500 feet, more or less, to a benchmark with an elevation of 829 located in the immediate vicinity of Benningfield Chapel; thence N 53° 50' W, 19,300 feet, more or less, to the intersection of the centerline of U. S. Highway 31-E and the centerline of Walters Creek; thence S 78° 00' W, 15,400 feet, more or less, to the intersection of the centerline of a road leading from Maxine to Oak Hill Church at a point where it is located 300 feet west of and parallel to the centerline of State Highway 357; thence following a line parallel to and 300 feet west of the centerline of State Highway 357 11,300 feet, more or less, in a southerly direction to the intersection of said line running 300 feet west of and parallel to the centerline of State Highway 357 and the Hart County-Larue County line; thence following the Hart County-Larue County line 28,000 feet, more or less, in an easterly direction to the point of beginning.

From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, the acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Larue County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 25 day of May, 1978.

  
LARUE COUNTY JUDGE/EXECUTIVE

STATE OF KENTUCKY,  
COUNTY OF LARUE. SCT.

I, Helen O'Dell, Clerk of the County Court for the County and State aforesaid, do hereby certify that the foregoing order is a true and correct copy of said order as appears of record in Order Book No. 20, at page 29, LaRue County Clerk's office.

Witness my hand this 25th day of May, 1978.

, Clerk

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF GREEN COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
GREEN COUNTY, KENTUCKY PURSUANT TO KRS  
74.110 and 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN GREEN COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Green County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Green County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order book 8, Page 394.

It appears that certain freeholders of land in the portion of Green County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Green County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Green County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.



Notice of the Petition of the DISTRICT to annex this territory was published in the Greensburg Record Herald as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Green County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Green County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Green County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Green County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that

substantially less than twenty-five percent of the total assets of the distribution system of the DISTRICT will be located within Green County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for a Commissioner to be appointed from the area served by the DISTRICT in Green County.

The County Judge/Executive of Green County does hereby find that it is reasonably necessary that the area described below in Green County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

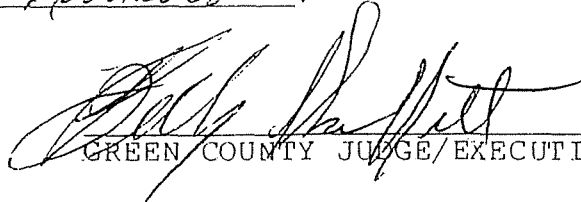
NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.110, that the area described below may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described as follows:

Beginning at the intersection of the Green County-Hart County lines and the centerline of Kentucky Highway 88; thence N 89° 10' E, 1,200 feet, more or less, to the intersection of the centerline of the Little Barren River and the centerline of Kentucky Highway 88; thence following the centerline of the Little Barren River upstream approximately 76,000 feet to the confluence of the South Fork and the East Fork of the Little Barren River at an approximate corner in the Metcalfe County-Green County lines at an approximate call and distance of S 19° 20' E, 38,900 feet; thence following the Green County-Metcalfe County line N 52° 10' W, 10,550 feet, more or less, to a corner in the county lines; thence continuing with the Green County-Metcalfe County lines N 27° 00' W, 16,000 feet, more or less, to the intersection of the Hart County, Green County, Metcalfe County lines; thence following the Hart County-Green County line N 5° 30' E, 16,000 feet, more or less, to the point of beginning.

From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, the acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Green County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 21<sup>st</sup> day of November, 1983.

  
GREEN COUNTY JUDGE/EXECUTIVE

STATE OF KENTUCKY

COUNTY OF GREEN

BILLY H. SQUIRES CLERK OF GREEN

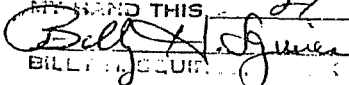
COURT DO CERTIFY THE FOREGO-

ING IS A TRUE AND CORRECT COPY

WHICH IS ON RECORD IN MY OFFICE

IN front of 6 PAGE GIVEN UNDER

MY HAND THIS 21 DAY OF Nov.

 1983  
BILLY H. SQUIRES

BY \_\_\_\_\_, D.C.

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF BARREN COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
BARREN COUNTY, KENTUCKY PURSUANT TO KRS  
74.110 and 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN BARREN COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Barren County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Barren County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order book 8, Page 394.

It appears that certain freeholders of land in the portion of Barren County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Barren County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Barren County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition of the DISTRICT to annex this territory was published in the Glasgow Daily Times as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Barren County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Barren County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Barren County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Barren County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that

substantially less than twenty-five percent of the total assets of the distribution system of the DISTRICT will be located within Barren County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for a Commissioner to be appointed from the area served by the DISTRICT in Barren County.

The County Judge/Executive of Barren County does hereby find that it is reasonably necessary that the area described below in Barren County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.110, that the area described below may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described as follows:

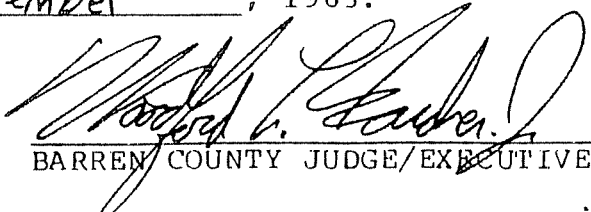
Beginning at the southeast corner of the present District boundary, said corner being at the intersection of the centerline of State Highways 70 and 314 at Halfway; thence N 17° 28' E, 19,000 feet, more or less, to the intersection of the centerline of State Highway 821 and a county road leading from Park, Kentucky to Seymore at Park; thence N 39° 04' E, 14,260 feet, more or less, to the intersection of the Hart County-Barren County line and the centerline of Kentucky State Highway 677; thence following the Hart County-Barren County line approximately N 84° 10' E, 600 feet to the intersection of the Hart County, Barren County, Metcalfe County lines; thence following the Barren County-Metcalfe County lines in a southwesterly direction approximately 15,100 feet to a point in the Barren County-Metcalfe County line at a call and distance of approximately S 40° 43' W, 14,690 feet; thence following the Barren

County-Metcalfe County line in a southerly, then easterly, and then southerly direction approximately 37,000 feet to the intersection of the Barren County-Metcalfe County line and the centerline of Kentucky Highway 534 at an approximately call and distance of S 10° 30' E, 32,460 feet; thence N 40° 00' W, 18,000 feet to the point of beginning.

From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, the acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Barren County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 25<sup>th</sup> day of November, 1983.

  
BARREN COUNTY JUDGE/EXECUTIVE

**STATE OF KENTUCKY**  
**COUNTY OF BARREN**

I, Wilmer L. Hodges, Clerk of the Barren County COURT, do certify  
that the foregoing instrument is a true and correct copy  
the same appears on page 189 of Greater Elder Book

Witness my hand and seal this 25 day of  
November, 1983

WILMER L. HODGES, C. B. C. C.  
By Diane Garrison D. C.



BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF HART COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
HART COUNTY, KENTUCKY PURSUANT TO KRS  
74.110 and 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN HART COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Hart County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Hart County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order book 8, Page 394.

It appears that certain freeholders of land in the portion of Hart County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Hart County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Hart County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition of the DISTRICT to annex this territory was published in the Hart County News as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Hart County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Hart County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Hart County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Hart County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that substantially less than twenty-five percent of the total assets

of the distribution system of the DISTRICT will be located within Hart County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for a Commissioner to be appointed from the area served by the DISTRICT in Hart County.

The County Judge/Executive of Hart County does hereby find that it is reasonably necessary that the area described below in Hart County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.110, that the area described below may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described as follows:

Beginning at the most easterly corner of the present Green River Valley Water District boundary in Hart County at the intersection of the centerline of Kentucky Highways 1572 and 677; thence following the present District boundary S 05° 05' W, 17,350 feet, more or less, to the intersection of two main roads at Whickerville; thence continuing along the present District boundary S 55° 30' W, 19,500 feet, more or less, to the intersection of the Hart County-Barren County line and the centerline of Kentucky Highway 677; thence leaving the present District boundary but following the Hart County-Barren County line N 84° 10' E, 600 feet, more or less, to the intersection of the Hart County-Barren County, and Metcalfe County lines; thence following the Hart County-Metcalfe County line N 75° 00' E, 17,400 feet, more or less, to the intersection of the Hart County-Metcalfe County, and Green County lines; thence following the Hart County-Green County line N 5° 30' E, 16,000 feet, more or less, to the intersection of the

Hart County-Green County line and the centerline of Kentucky Highway 88; thence N 9° 25' W, 7,700 feet, more or less, to the point of beginning.

From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, the acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Hart County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 1 day of December, 1983.

  
HART COUNTY JUDGE/EXECUTIVE

STATE OF KENTUCKY

COUNTY OF HART

I, Wilma J. Timberlake, Clerk of the County for the County and State aforesaid, certify that the foregoing Instrument of Writing is a true and correct copy of the Order as recorded in Order Book #10 Page 417 in the office of the Hart County Clerk.

Witness my hand this the 5th day of December, 1983.

Wilma J. Timberlake CLERK

BY Paul C. Gardner

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF METCALFE COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
METCALFE COUNTY, KENTUCKY PURSUANT TO  
KRS 74.110 AND 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN METCALFE COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Metcalfe County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Metcalfe County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It appears that certain freeholders of land in the portion of Metcalfe County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Metcalfe County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Metcalfe County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition of the DISTRICT to annex this territory was published in the Edmonton Herald News as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Metcalfe County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Metcalfe County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Metcalfe County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Metcalfe County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that substantially less than twenty-five percent (25%) of the

total assets of the distribution system of the DISTRICT will be located within Metcalfe County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for a Commissioner to be appointed from the area served by the DISTRICT in Metcalfe County.

The County Judge/Executive of Metcalfe County does hereby find that it is reasonably necessary that the area described below in Metcalfe County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.110, that the area described below may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described as follows:

Beginning at an existing corner of the Green River Valley Water District located at the intersection of the centerlines of U. S. Highway 68 and Kentucky Highway 70; thence N 27° 30' W, 12,250 feet to the Metcalfe County-Green County line at the confluence to the South Fork of the Little Barren River and the East Fork of the Little Barren River, a present corner of the Green River Valley Water District Boundary; thence a new line following the Green County-Metcalfe County line S 74° 45' E, 4,500 feet, more or less, and crossing the Little Barren River twice, to the intersection of the Green County-Metcalfe County line and the centerline of the Little Barren River; thence upstream along the centerline of the Little Barren River approximately 4.5 miles in a southerly direction to the intersection of the centerline of the Little Barren River and a line due east 2,450 feet, more or less, from the intersection of the centerlines of U. S. Highway 68 and Kentucky Highway 70; thence due west 2,450 feet, more or less to the point of beginning.



From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, and acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Metcalfe County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 26 day of June, 1984.

ATTEST:

Kathryn Miller BY: \_\_\_\_\_  
METCALFE COUNTY CLERK

D.C.

Woodrow Wilson  
METCALFE COUNTY JUDGE/EXECUTIVE

STATE OF KENTUCKY  
COUNTY OF METCALFE

I, Kathryn Miller, Clerk of the Metcalfe County Court, do hereby certify that the foregoing instrument is a full, true and complete copy as the same appears of record in my office in Book \_\_\_\_\_, Page \_\_\_\_\_.

WITNESS my hand and official seal this \_\_\_ day of June, 1984.

Kathryn Miller BY: \_\_\_\_\_ D.C.  
METCALFE COUNTY COURT CLERK

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF GREEN COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
GREEN COUNTY, KENTUCKY PURSUANT TO  
KRS 74.110 AND 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN GREEN COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Green County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Green County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It appears that certain freeholders of land in the portion of Green County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Green County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Green County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition of the DISTRICT to annex this territory was published in the Greensburg Record Herald as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Green County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Green County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Green County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below.

The County Judge/Executive of Green County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area

described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Green County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that substantially less than twenty-five percent (25%) of the total assets of the distribution system of the DISTRICT will be located within Green County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for a Commissioner to be appointed from the area served by the DISTRICT in Green County.

The County Judge/Executive of Green County does hereby find that it is reasonably necessary that the area described in Exhibit A attached hereto in Green County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

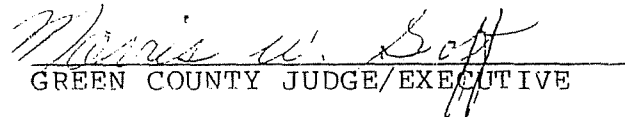
NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.110, that the area described in Exhibit A attached hereto may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described in Exhibit A attached hereto and incorporated herein by reference.

From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER

DISTRICT in connection with the acquisition of land on which to build a pumping station, and acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Green County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 28 day of Feb., 1989.

  
GREEN COUNTY JUDGE/EXECUTIVE

GREEN RIVER VALLEY WATER DISTRICT  
PROPOSED 1988 BOUNDARY EXTENSION FOR GREEN COUNTY

Part I

This description shall contain all portions of Green County lying north of a line following 300 feet in a southerly direction perpendicular to and parallel with the center line of Kentucky Highway 1192 from the intersection of this line and Kentucky State Highway 210 and progressing 14,000 feet, more or less, in a westerly direction to the intersection of this line and a line lying 300 feet east of in a perpendicular direction from and parallel with the center line of the Mount Sherman to Wards Road and all portions of Green County west of the following line lying 300 feet east in a perpendicular direction from and parallel with the center line of the Mount Sherman to Wards Road and progressing from the aforementioned intersection 16,000 feet, more or less, in a southerly and westerly direction to the center line of Kentucky State Highway 61.

Part II

Beginning at the intersection of the center lines of Big Brush Creek and Green River; thence following the center line of the river downstream in a westerly and a southerly direction 13,500 feet, more or less, to the intersection of the Hart County-Green County lines at the intersection of the Little Barren River and the Green River; thence 11,000 feet, more or less, and downstream following the center line of Green River in a north-westerly direction to the intersection of the portion of the Hart County-Green County line running in a northerly direction; thence 37,500 feet, more or less, following the Hart County-Green County line in a northerly

GREEN RIVER VALLEY WATER DISTRICT  
PROPOSED 1988 BOUNDARY EXTENSION FOR GREEN COUNTY

(continued)

PART II (CONT'D.)

direction and easterly direction to the intersection of the Hart County-Green County line and Kentucky State Highway 936, where Kentucky State Highway 936 is going in a northwest-southeast direction; thence 300 feet in an easterly direction perpendicular to the center line of Kentucky State Highway 936 where it is going in a northwest-southeast direction to a line parallel to and 300 feet in an easterly direction from the center line of Kentucky State Highway 936 where Kentucky State Highway 936 is going in a northwest-southeast direction; thence following the line 300 feet in a perpendicular direction from and parallel to the center line of Kentucky State Highway 936 where it is going in a northwest-southeast direction and the east branch of Kentucky State Highway 566 4,700 feet, more or less, in a southeasterly direction to the intersection of this line and a line 300 feet south of in a perpendicular direction from and parallel with the center line of a road leading to Holly Grove Church and beyond; thence following a line 300 feet south of in a perpendicular direction from and parallel to the center line of a road leading from Kentucky State Highway 536 to Holly Grove Church and beyond 1,600 feet, more or less, to the intersection of this line and the center line of Rock Lick Branch; thence 9,500 feet, more or less, downstream and in a southeasterly direction following the center line of Rock Lick Branch to the intersection of the center lines of Rock Lick Branch and Big Brush Creek; thence following the center line of Big Brush Creek downstream in a southwesterly direction 33,000 feet, more or less, to the point of beginning at the intersection of the center lines of Big Brush Creek and Green River.

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF LARUE COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
LARUE COUNTY, KENTUCKY PURSUANT TO  
KRS 74.110 AND 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN LARUE COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Larue County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Larue County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It appears that certain freeholders of land in the portion of Larue County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Larue County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Larue County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.



Notice of the Petition of the DISTRICT to annex this territory was published in the Larue Herald News as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Larue County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Larue County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Larue County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below.

The County Judge/Executive of Larue County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area

described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Larue County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that substantially less than twenty-five percent (25%) of the total assets of the distribution system of the DISTRICT will be located within Larue County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for a Commissioner to be appointed from the area served by the DISTRICT in Larue County.

The County Judge/Executive of Larue County does hereby find that it is reasonably necessary that the area described in Exhibit A attached hereto in Larue County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.110, that the area described in Exhibit A attached hereto may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described in Exhibit A attached hereto and incorporated herein by reference.

From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER

DISTRICT in connection with the acquisition of land on which to build a pumping station, and acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Larue County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 28<sup>th</sup> day of February, 1989.

A Copy Attest:  
Helin O'Ball  
Larue County Clerk

Jimmy Miller  
LARUE COUNTY JUDGE/EXECUTIVE

GREEN RIVER VALLEY WATER DISTRICT  
PROPOSED REVISED 1988 BOUNDARY FOR LARUE COUNTY

Beginning at an existing corner of the Green River Valley Water District located 300 feet west of and parallel to Kentucky State Highway 357 at its intersection with the boundary between Hart County and Larue County; thence 11,200 feet, more or less, following the Hart County-Larue County boundary in a westerly direction to the intersection of the Hart County-Larue County line and a line 300 feet west of in a perpendicular direction and parallel to the Dixion Road; thence a line 300 feet in a perpendicular distance west of and parallel to the Dixion Road, 5,800 feet, more or less, in a north-westerly direction to the intersection of said line being parallel to and 300 feet perpendicular to and in a westerly direction from the center line of Dixion Road and Weldenloop-Talley Road and the center line of Kentucky State Highway 224; thence following the center line of Kentucky State Highway 224, 600 feet, more or less, to the intersection of the center line of Kentucky State Highway 224 and the center line of Talley-Oak Hill Road; thence following the center line of the Talley-Oak Hill Road in a northerly direction 300 feet, more or less, to the intersection of the center line of the Talley-Oak Hill Road and a line parallel to and 300 feet in a perpendicular distance north of Kentucky State Highway 224; thence following a line parallel to and 300 feet north of in a perpendicular distance from the center line of Kentucky State Highway 224, 15,000 feet, more or less, to the intersection of said line and the center line of Kentucky State Highway 357; thence N 59° 55' E, 12,200 feet, more or less, to the intersection of the center line of Dye Branch and Tabb Road; thence S 75° 00' E, 10,200 feet, more or less, to the intersection of the center

GREEN RIVER VALLEY WATER DISTRICT  
PROPOSED REVISED 1988 BOUNDARY FOR LARUE COUNTY

(continued)

line of Kentucky Highway 470 and the center line of Bayne Creek; thence N 69° 40' E, 15,800 feet, more or less, to the intersection of the center line of Kentucky Highway 1192 and Kentucky State Highway 61; thence an arc 10,400 feet long at an approximate bearing of N 64° 00' E, to a point where it hits an arc of 8,900 feet struck from a center line at the intersection of the center lines of Ball Hollow Road and Pleasant Ridge Road, said bearing from the intersection of Ball Hollow Road and Pleasant Ridge Road to the point of the intersection of the arc being approximately N 53° 55' W, 8,900 feet; thence from the intersection of the two arcs at a bearing of approximately S 53° 55' E, 8,900 feet to the intersection of the center lines of Ball Hollow Road and Pleasant Ridge Road; thence S 75° 00' E, 5,300 feet, more or less, to the intersection of the center line of the new Kentucky State Highway 210 and the Larue County-Green County line; thence following the Larue County-Green County line in a westerly, southwesterly, and southerly direction a total of 41,000 feet, more or less, to the intersection of the Green County-Larue County-Hart County line; thence following the Larue County-Hart County line in a westerly direction 13,000 feet, more or less, to the point of beginning. This description supercedes and replaces the existing boundary of the Green River Valley Water District in Larue County.

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF BARREN COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER  
DISTRICT TO ANNEX CERTAIN TERRITORY IN  
BARREN COUNTY, KENTUCKY PURSUANT TO  
KRS 74.110 AND 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN BARREN COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Barren County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Barren County, Kentucky, pursuant to KRS 74.110 and 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It appears that certain freeholders of land in the portion of Barren County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Barren County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Barren County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition of the DISTRICT to annex this territory was published in the Glasgow Daily Times as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that Barren County is adjacent to Hart County, Kentucky and the area of the DISTRICT in Hart County is contiguous to the area in Barren County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Barren County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will be more than adequate to furnish water service in the area described below.

The County Judge/Executive of Barren County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT'S present facilities and source of water supply will

be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Barren County also finds that the area described below is only a minor portion of the total area that will be served by the DISTRICT and finds that substantially less than twenty-five percent (25%) of the total assets of the distribution system of the DISTRICT will be located within Barren County and, therefore, pursuant to the provisions of KRS 74.020, it will not be necessary for an additional Commissioner to be appointed from the area served by the DISTRICT in Barren County.

The County Judge/Executive of Barren County does hereby find that it is reasonably necessary that the area described in Exhibit A attached hereto in Barren County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

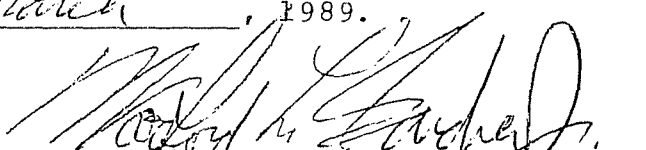
NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and 74.110, that the area described in Exhibit A attached hereto may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described in Exhibit A attached hereto and incorporated herein by reference.

From and after the date of this Order, the above described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.



IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, and acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines into Barren County to serve the area described above, which were performed prior to the entry of this Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 8th day of March, 1989.

  
BARREN COUNTY JUDGE/EXECUTIVE

STATE OF KENTUCKY  
COUNTY OF BARREN

I, Wilmer L. Hodges, Clerk of the Barren County COURT, do certify that the foregoing instrument is a full, true and complete copy as the same appears of record in my office in C. Judge Executive Book, page 337-338

Witness my hand and official seal this the 9th day of March, 1989.

WILMER L. HODGES, C. B. O. C.  
By Alan M. Davis S. C.

GREEN RIVER VALLEY WATER DISTRICT  
PROPOSED 1988 BOUNDARY EXTENSION FOR BARREN COUNTY

Beginning at an original corner of the Green River Valley Water District located at the intersection of the Hart County-Barren County line and the center line of the Louisville-Nashville Railroad tracks; thence S 73° 42' W, 7,050 feet, more or less, to the point of intersection of the county road from Cave City to Servant Valley Church and a county road to Hatcher Valley School, said intersection being approximately seven-tenths of a mile from Kentucky State Highway 70 along the road from Cave City to Servant Valley Church and being a second original corner of the Green River Valley Water District; thence N 85° W, 23,800 feet, more or less, to a present corner of the Green River Valley Water District located at the intersection of the Mammoth Cave National Park boundary and Kentucky State Highway 255; thence following the meanders of the Mammoth Cave National Park boundary in a general northerly direction 10,000 feet, more or less, to the Hart County-Barren County line; thence following the Hart County-Barren County line 28,500 feet, more or less, in an easterly direction to the point of beginning.

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF HART COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER DISTRICT  
TO ANNEX CERTAIN TERRITORY IN HART COUNTY,  
KENTUCKY PURSUANT TO KRS 74.110 AND KRS 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN HART COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Hart County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Hart County, Kentucky, pursuant to KRS 74.110 and KRS 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It appears that certain freeholders of land in the portion of Hart County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Hart County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Hart County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.

Notice of the Petition of the DISTRICT to annex this territory was published in the Hart County News Herald as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that the said territory in Hart County is adjacent to the existing boundaries of the DISTRICT in Hart County, Kentucky and that area of the DISTRICT in Hart County is contiguous to the area in Hart County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Hart County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT's present facilities and source of water supply will be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Hart County does hereby find that it is reasonably necessary that the area described below in Hart County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and KRS 74.110, that the area described below may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described as follows:

PART I

Beginning at an existing corner of the Green River Valley Water District Hart County Boundary located at the intersection of the centerlines of Kentucky State Highways 728 and 1391; thence following the existing boundary of the Green River Valley Water District N 63° 05' E, 13,380 feet more or less to the centerline of Interstate I-65; thence following an approximate course in a straight line N 80° 05' W, 14,880 feet more or less to the intersection of Kentucky State Highway 1391 and a rural road going north from said point being located 2.0 miles north following Kentucky State Highway 1391 from Kentucky State Highway 728; thence following a straight line having an approximate bearing and distance of S 17° 35' E, 9,040 feet to the point of beginning.

PART II

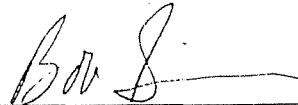
Beginning at an existing corner of the Green River Valley Water District Boundary located at the intersection of two roads on top of the ridge forming Waterloo Valley and having an elevation of 538 MSL located some 2 miles northeast of Northtown; thence following the existing boundary S 44° 05' W, 30,400 feet more or less to a present corner of the Green River Valley Water District Boundary being located at the intersection of the Hart County-Barren County Line and the present boundary of the Mammoth Cave National Park (1996); thence following the Mammoth Cave National Park boundary in a northerly direction some seven miles to the centerline of Green River; thence following the centerline of Green River upstream in an easterly direction some ten and one-half miles more or less to the existing Green River Valley Water District Boundary; at its nearest point to the point of beginning; thence S 07° 20' W 9,000 feet more or less to an original corner of the Green River Valley Water District Boundary, said corner being at the intersection of the centerlines of Kentucky State Highway 474 and the Cave Spring Church Road, some 700 feet in a southwesterly direction from the Cave Spring Church; thence following an existing

line N 74° 30' W, 5,000 feet more or less to the point of beginning.

From and after the date of this Order, the above-described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

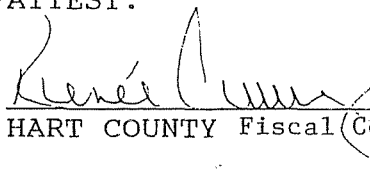
IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, and acquisition of easements to construct water lines, and any other actions taken in order to obtain a loan from the Farmers Home Administration of the United States Department of Agriculture in order to extend its water lines in Hart County to serve the area described above, which were performed prior to the entry of the Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 3rd day of October, 1996.



HART COUNTY JUDGE/EXECUTIVE

ATTEST:

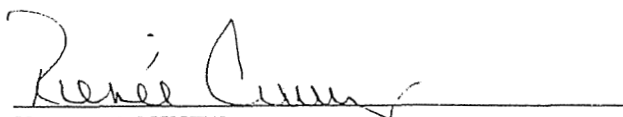
  
HART COUNTY Fiscal Court Clerk

STATE OF KENTUCKY

COUNTY OF HART

I, Renee Curry , Clerk of the Hart County Court, do hereby certify that the foregoing instrument is a full, true and complete copy as the same appears of record in my office in Book 13, Page 428.

WITNESS my hand and official seal this 3rd day of October, 1996.

  
HART COUNTY Fiscal Court Clerk

/2

BEFORE THE COUNTY JUDGE/EXECUTIVE  
OF HART COUNTY, KENTUCKY

IN THE MATTER OF: PETITION OF GREEN RIVER VALLEY WATER DISTRICT  
TO ANNEX CERTAIN TERRITORY IN HART COUNTY,  
KENTUCKY PURSUANT TO KRS 74.110 AND KRS 74.115

ORDER ANNEXING TO THE GREEN RIVER  
VALLEY WATER DISTRICT A CERTAIN TERRITORY  
IN HART COUNTY, KENTUCKY

\* \* \* \* \*

This matter is before the County Judge/Executive of Hart County, Kentucky, by virtue of the Petition of the GREEN RIVER VALLEY WATER DISTRICT to annex certain territory in Hart County, Kentucky, pursuant to KRS 74.110 and KRS 74.115.

It appears that the GREEN RIVER VALLEY WATER DISTRICT (hereinafter referred to as the DISTRICT) was properly created and established by Order of the County Court of Hart County, Kentucky on November 16, 1959 as evidenced by Hart County Order Book 8, Page 394.

It appears that certain freeholders of land in the portion of Hart County sought to be annexed have filed a written request with the DISTRICT, pursuant to KRS 74.115(1) requesting the DISTRICT to Petition the Hart County Judge/Executive for the entry of an Order extending the boundaries of the DISTRICT into Hart County.

The area sought to be annexed is not presently being served by any other water district and is not within the territorial boundaries of any other water district.



Notice of the Petition of the DISTRICT to annex this territory was published in the Hart County News Herald as required by law and no objections or exceptions have been filed as provided by KRS 74.110(2).

It is apparent that the said territory in Hart County is adjacent to the existing boundaries of the DISTRICT in Hart County, Kentucky and that area of the DISTRICT in Hart County is contiguous to the area in Hart County sought to be added to the territory of the DISTRICT. It appears that the inhabitants of the area sought to be annexed to the DISTRICT are in need of an adequate, dependable supply of water which will be available to them at a reasonable cost, and such a source of water supply appears to be unavailable from any other feasible source.

It also appears that it will be in the best interests of the public health, safety and general welfare of the inhabitants of the area described below to grant the requested annexation.

The County Judge/Executive of Hart County believes that the reasons set forth in the request of the freeholders and the Petition of the DISTRICT are true and finds that the DISTRICT's present facilities and source of water supply will be more than adequate to furnish water service in the area described below as well as to the present customers of the DISTRICT.

The County Judge/Executive of Hart County does hereby find that it is reasonably necessary that the area described below in Hart County, Kentucky be annexed to and become a part of the GREEN RIVER VALLEY WATER DISTRICT.

NOW THEREFORE, IT IS HEREBY ORDERED, pursuant to the authority of KRS 74.115 and KRS 74.110, that the area described below may be and the same is hereby annexed to the GREEN RIVER VALLEY WATER DISTRICT. The area so annexed is more particularly described in Exhibit A which is attached and incorporated by reference herein.


From and after the date of this Order, the above-described area shall constitute a part of the GREEN RIVER VALLEY WATER DISTRICT, subject to the jurisdiction of the Board of Commissioners thereof.

IT IS FURTHER ORDERED that any and all actions taken by the Board of Commissioners of the GREEN RIVER VALLEY WATER DISTRICT in connection with the acquisition of land on which to build a pumping station, and acquisition of easements to construct water lines, and any other actions taken in order to extend its water lines in Hart County to serve the area described above, which were performed prior to the entry of the Order, may be and the same are hereby ratified and approved and shall have the same force and effect that they would have had had this area been annexed prior to those actions.

This 1<sup>st</sup> day of June, 1999.

  
HART COUNTY JUDGE/EXECUTIVE

ATTEST:

  
HART COUNTY CLERK

STATE OF KENTUCKY

COUNTY OF HART

I, Doris Crain, Clerk of the Hart County Court, do hereby certify that the foregoing instrument is a full, true and complete copy as the same appears of record in my office in Book 13, Page 770.

WITNESS my hand and official seal this 1<sup>st</sup> day of June,  
1999.

Doris Crain  
HART COUNTY COURT CLERK

/2

GREEN RIVER VALLEY WATER DISTRICT

PROPOSED 1999 BOUNDARY EXTENSION

HART COUNTY

Beginning at an existing corner of the Green River Valley Water District Hart County Boundary located at the intersection of the centerlines of Kentucky State Highways 728 and 1391; thence following the existing boundary of the Green River Valley Water District S 07° 20' W, 10,000 feet to a point; thence following an approximate course of N 46° 40' W, 9,620 feet to a point in the centerline of Kentucky Highway 728 located 300 westerly following the centerline of Kentucky Highway 728 from the intersection of the centerlines of Kentucky Highway 728 and Mud Branch Road; thence N 24° 55' E, 13,150 feet to an existing corner of the Green River Valley Water District Boundary at the intersection of Kentucky State Highway 1391 and a rural road going north from said point being located 2.0 miles north following Kentucky State Highway 1391 from Kentucky State Highway 728; thence following an approximate course N 57° 10' E, 17,030 feet to a bench mark with an elevation of 710 located approximately 250 feet west of the centerline of Interstate Highway I-65 and approximately 2,900 feet south of the Hart County-Larue County Line; thence following an approximate course of S 1° 40' E, 11,800 feet to an existing corner of the Green River Valley Water District at the centerline of Interstate Highway I-65;

*Exhibit A*

GREEN RIVER VALLEY WATER DISTRICT

PROPOSED 1999 BOUNDARY EXTENSION

HART COUNTY

(Continued)

thence following the Green River Valley Water District Boundary, an approximate course in a straight line N 80° 05' W, 14,880 feet more or less to the intersection of Kentucky State Highway 1391 and a rural road going north from said point being located 2.0 miles north following Kentucky State Highway 1391 from Kentucky State Highway 728; thence following the Green River Valley Water District Boundary in a straight line having an approximate bearing and distance of S 17° 35' E, 9,040 feet to the point of beginning.

IN THE FISCAL COURT OF HART COUNTY,  
KENTUCKY

IN THE MATTER OF: GREEN RIVER VALLEY WATER DISTRICT

ORDER APPROVING EXTENSION OF WATER  
DISTRIBUTION SYSTEM

\* \* \* \* \*

This matter is before the Court for entry of an Order agreeing to the extension of the water distribution system of the GREEN RIVER VALLEY WATER DISTRICT in Hart County, Kentucky pursuant to KRS 74.020.

NOW, THEREFORE, upon the Motion fully made by Magistrate Don Kessinger, seconded by Magistrate Jim Stewart, and with 6 members voting "AYE" and with 0 members voting "NAY" and with 0 members absent, the following Order was duly passed, approved and entered:

IT IS HEREBY ORDERED that the Hart Fiscal Court hereby approves, ratifies and confirms and agrees to the extension of the water distribution system of the GREEN RIVER VALLEY WATER DISTRICT into the previously described territory in Hart County, Kentucky.

This 1<sup>st</sup> day of June, 1999.

  
HART COUNTY JUDGE/EXECUTIVE

ATTEST:

  
HART COUNTY FISCAL COURT CLERK

STATE OF KENTUCKY

COUNTY OF HART

I, Renee McDonald, Clerk of the Hart County Court, do hereby certify that the foregoing instrument is a full, true and complete copy as the same appears of record in my office in Book 13, Page 770.

WITNESS my hand and official seal this 1<sup>st</sup> day of June,  
1999.

Renee McDonald  
HART COUNTY FISCAL COURT CLERK

/2

RESOLUTION

Whereas, the Green River Valley Water District is a duly formed, acting and authorized water district under the provisions of KRS Chapter 74;

Whereas, the service area of the District as is generally described may include the territory hereinafter described;

Whereas, there exists a portion of Hart County, Kentucky, lying either side of Kentucky Highway 728 and east of its intersection with Kentucky Highway 1140 and a distance of 4,000 feet, which is not being served by the Green River Valley Water District but which is adjacent to and adjoining that water service area of the Edmonson County Water District within Hart County, Kentucky.

Whereas, it would not be economically feasible for the Green River Valley Water District to serve that area with water since there is a water line of the Edmonson County Water District available for service;

Whereas, the Edmonson County Water District has expressed the intent to service the area should it be ceded to the Edmonson County system;

NOW, THEREFORE, BE IT RESOLVED, that:

The Edmonson County Water District accept the territory hereinafter described and that it petition the County Judge-Executive of Hart County, Kentucky, for an order annexing the territory;

Said territory is described as follows:

BEGINNING at a point, the intersection of Kentucky Highway 728 with




Kentucky 1140 and the present water transmission system of the Edmonson County Water District; thence east 4,000 feet and 200 feet either side of the north and south rights of way of Kentucky Highway 728.

Adopted at a regular meeting of the Green River Valley Water District Board of Commissioners held on the 12 day of February, 2002.

  
Chairman, Green River Valley  
Water District

ATTEST:

  
Secretary, Green River Valley  
Water District

COMMONWEALTH OF KENTUCKY

COUNTY OF Burken . . . .SCT

I, Donald McDonald, Secretary of Green River Valley Water District, do hereby certify that the foregoing is a true and correct copy of the Resolution adopted at a regular meeting of the Green River Valley Water District held on the 12 day of February, 2002, as appears from the minutes of said board.

This 12 day of February, 2002.

  
Secretary, Green River Valley  
Water District



Scale: 1" = 2000'

KY Hwy. 728/Priceville  
4,000 L.F. of 4" WL  
8 Customers  
Source: Wax WTP

EXISTING 6" PVC WL

Edmonson County Water District

KY Hwy. 728/Priceville  
Source: Munfordville, KY U.S.G.S.  
& Upton, KY U.S.G.S. quad maps

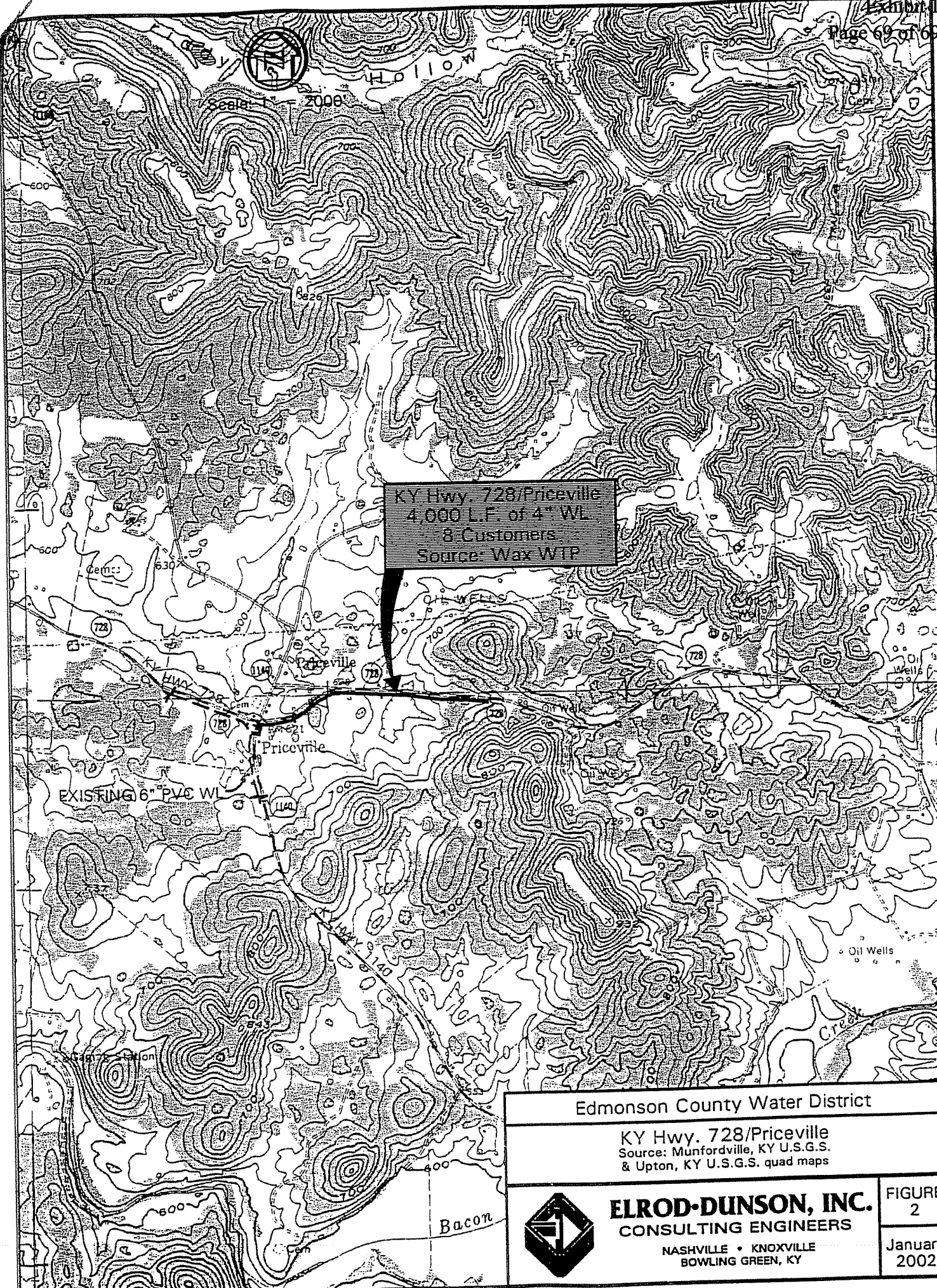


**ELROD-DUNSON, INC.**  
CONSULTING ENGINEERS

NASHVILLE • KNOXVILLE  
BOWLING GREEN, KY

FIGURE  
2

January  
2002



# **EXHIBIT 2**

**RESOLUTION 18-\_\_\_\_\_**

**A RESOLUTION OF THE BOARD OF COMMISSIONERS OF  
GREEN VALLEY WATER DISTRICT AUTHORIZING AN  
APPLICATION TO THE KENTUCKY PUBLIC SERVICE  
COMMISSION FOR A CERTIFICATE OF PUBLIC CONVENIENCE  
AND NECESSITY TO CONSTRUCT CERTAIN WATERWORKS  
IMPROVEMENTS, ISSUE CERTAIN SECURITIES, AND TO ADJUST  
ITS RATES FOR WATER SERVICE**

**WHEREAS**, Green River Valley Water District ("Green River District") is a water district organized pursuant to KRS Chapter 74;

**WHEREAS**, pursuant to KRS 278.015, Green River District is a utility subject to the jurisdiction of the Kentucky Public Service Commission;

**WHEREAS**, Rural Development, an agency of the United States Department of Agriculture, has issued to Green River District letters setting forth the conditions under which it will award a grant of \$3,563,000 and a loan of \$8,062,000 to Green River Valley Water District for the purpose of expanding the capacity of its water treatment plant from six million gallons per day to eight million gallons and constructing a new river intake, new spring pump station, a flocculation and sedimentation basin, two water filters, and a 1.4 million gallon capacity clearwell;

**WHEREAS**, Rural Development has required as a condition of its loan of \$8,062,000 and grant of \$3,563,000 that Green River District increase its rates to the levels set forth in the letter of conditions, as amended;

**WHEREAS**, Green River District is prepared to enter an agreement with Rural Development regarding the proposed loan and grant and to commence construction of the facilities to be financed with the proceeds of the proposed loan and grant;

**WHEREAS**, KRS 278.020(1) prohibits any person from commencing the construction of any plant or facility to provide utility service until that person has obtained a certificate of public convenience and necessity from the Kentucky Public Service Commission;

**WHEREAS**, KRS 278.180 requires a utility to give at least 30 days notice to the Kentucky Public Service Commission prior to any adjustment of its rates for service;

**WHEREAS**, KRS 278.300(1) prohibits a utility from issuing any evidence of indebtedness without obtaining prior authorization from the Kentucky Public Service Commission;

**WHEREAS**, KRS 278.023(2) provides that no agreement between a water district and any agency of the United States Department of Agriculture regarding the financing of a construction project shall take effect until thirty (30) days after such agreement, together with necessary applications and documentation, is filed with the Kentucky Public Service Commission;

**NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE BOARD OF COMMISSIONERS OF GREEN RIVER VALLEY WATER DISTRICT AS FOLLOWS:**

**Section 1.** The facts, recitals, and statements contained in the foregoing preamble of this Resolution are true and correct and are hereby affirmed and incorporated as a part of this Resolution.

**Section 2.** The Chairman is authorized and directed to take all actions reasonably necessary to execute and submit an application to the Kentucky Public Service Commission, pursuant to KRS 278.023, for: a certificate of public convenience and necessity to construct the proposed improvements to Green River District's water works, authorization to adjust Green River District's rates to the levels required by Rural Development, authorization to issue evidences of indebtedness to Rural Development in the amount of \$8,002,062 and any other required approvals.

**ADOPTED BY THE BOARD OF COMMISSIONERS OF GREEN RIVER VALLEY WATER DISTRICT at a meeting held on August 20, 2019, signed by the Chairman, and attested by the Secretary.**



**ATTEST:**

*[Handwritten Signature]*  
Secretary

*[Handwritten Signature]*  
Chairman

# **EXHIBIT 3**

**PRELIMINARY ENGINEERING REPORT**

FOR THE

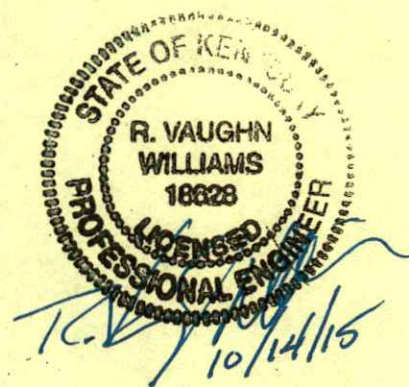
**GREEN RIVER VALLEY WATER DISTRICT**

**WATER TREATMENT PLANT EXPANSION**

PREPARED BY

**KENVIRONS, INC.**  
452 VERSAILLES ROAD  
FRANKFORT, KY 40601

PROJECT NO. 2014042



OCTOBER 2015

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- FIGURE 2 – GRVWD WTP & RAW WATER SOURCES LOCATION MAP
- FIGURE 3 – HISTORIC WATER PRODUCTION GRAPH
- FIGURE 4 – PROPOSED WTP SCHEMATIC AND FLOW DIAGRAM

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## 1.0 INTRODUCTION

In 1959, provisions of Chapter 74 of the Kentucky Revised Statutes allowed officials to organize the Green River Valley Water District (GRVWD). As originally organized, the service area of the GRVWD included the majority of Hart County. In 1960, the County Court of Barren County granted GRVWD permission to annex areas of Barren County. Areas of Green County, Larue County, and Metcalfe County were later included in GRVWD's service area.

GRVWD operates under regulations of the Kentucky Public Service Commission (PSC). Management responsibilities rest with the Board of GRVWD, which consists of five (5) commissioners; three (3) from Hart County appointed by the Hart County Judge Executive and two (2) from Barren County appointed by the Barren County Judge Executive.

In addition to serving the water needs within GRVWD's boundaries, GRVWD also wholesales water to Larue County Water District, Green-Taylor Water District, Caveland Environmental Authority, City of Bonnieville, City of Horse Cave, and City of Munfordville. Each of the wholesale purchasers operate their own water system. Other smaller municipal entities within the service area of GRVWD do not own or operate a water system. These municipal entities and rural areas within GRVWD's service area depend on the Water District for water service.

The catalyst for the formation of the GRVWD was recurring shortages and poor water quality afforded by wells used for both public and private water sources. For the most part, the topography within the GRVWD service area is Karst having numerous sinkholes. Ground water usually consists of underground streams, which use caverns and fissures for flow paths. The source of this ground water is primarily surface water entering underground caverns through opening in sinkholes; thus subjecting these ground water sources to pollutant from various sources. Because of this karst topography, ground water supplies from wells in the GRVWD service area are generally unreliable sources for drinking water.

The primary sources of raw water for the GRVWD water system are the Rio Verde Spring and Green River. To utilize these water sources, GRVWD constructed its water treatment plant (WTP) adjacent to the Green River between the communities of Rio and Canmer along US31E, also known as N. Jackson Highway.

## 2.0 PROJECT PLANNING AREA

Hart County is located in south-central Kentucky on I-65 midway between Louisville and Nashville. The county seat is the City of Munfordville, which is located near the geographic center of the county. Munfordville is approximately 65 miles south of Louisville and approximately 90 miles northeast of Nashville. The Water District's service area covers the majority of Hart County and portions of Edmonson, Barren, Metcalfe and Green Counties. Approximately 75 percent of the County's population is connected to a public water system with the remaining residents relying on groundwater or cisterns for drinking water. Green River Valley Water District wholesales water for redistribution to the cities, or utilities, of Bonnieville, Munfordville, Horse Cave, Larue County Water District, Green-Taylor Water District and Caveland Environmental Authority. Figure 1 shows the service boundary of the Green River Valley Water District

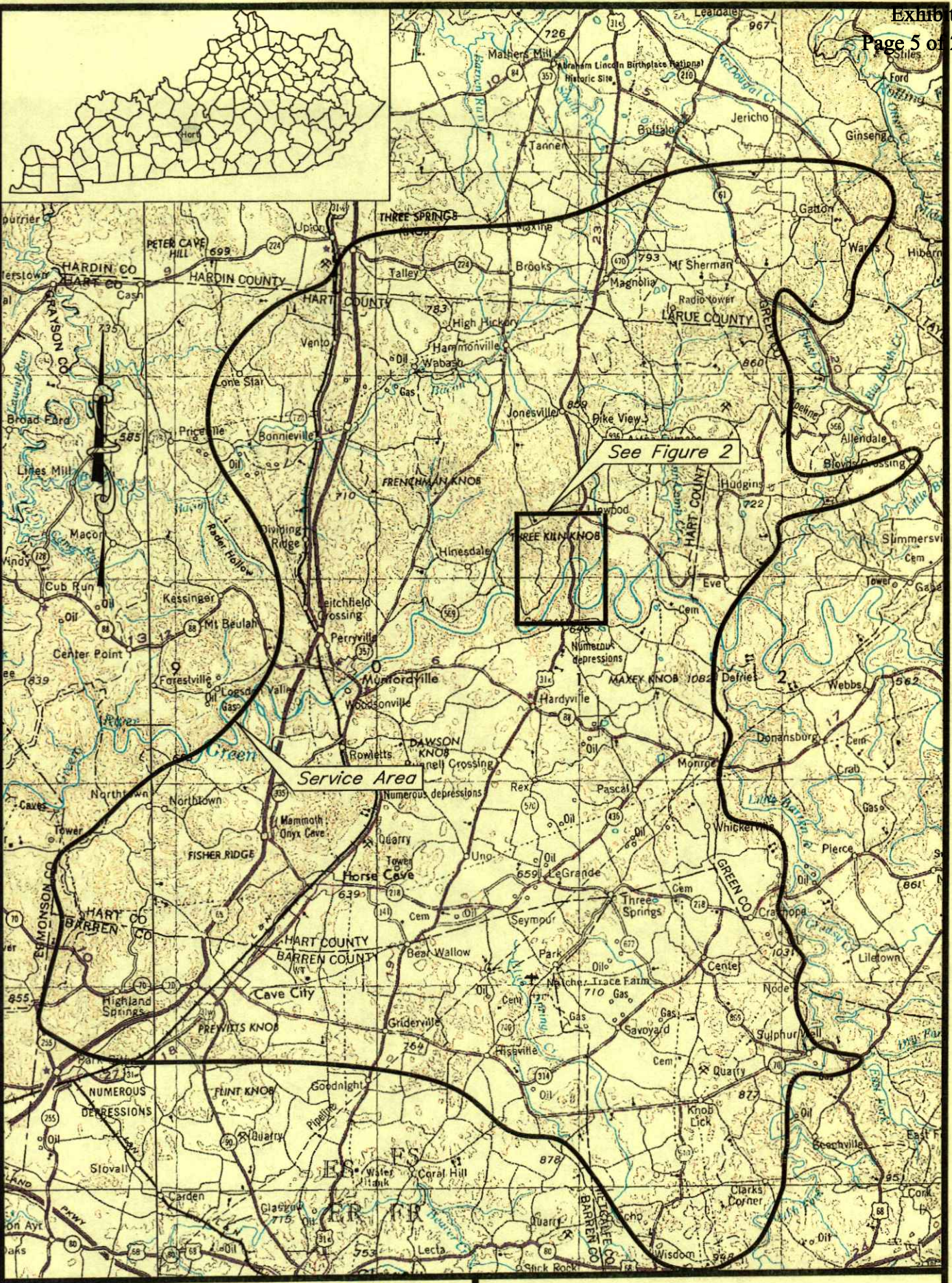
The Water District's treatment plant and raw water sources are located approximately 8 miles northeast of Munfordville and approximately 18 miles south of Hodgenville, Kentucky. Figure 2 is a USGS topographical map showing the location of the WTP and raw water sources.

The proposed project is generally located in the North central portion of Hart County. According to the Soil Survey of Hart County, Kentucky, prepared by the USDA Soil Conservation Service, the major natural resources in the area are limestone, petroleum, natural gas, gravel, clay and trees. The terrain ranges from sultry river bottoms to gently rolling hillsides to steep knobs and hidden hollows. An Environmental Report for the proposed project will contain a more detailed discussion of the environmental resources within the project planning area.

## 3.0 EXISTING FACILITIES

Green River Valley Water District owns and operates a water treatment plant and potable water distribution system in Hart County, Kentucky. The capacity of the WTP is currently 6.0 mgd and was previously improved and expanded in 1979, 1995, and 2003. GRVWD currently maintains approximately 760 miles of water lines ranging in size from 2" through 20", 13 storage tanks with a total combined storage volume of 3,457,000 gallons, and 17 booster pump stations.

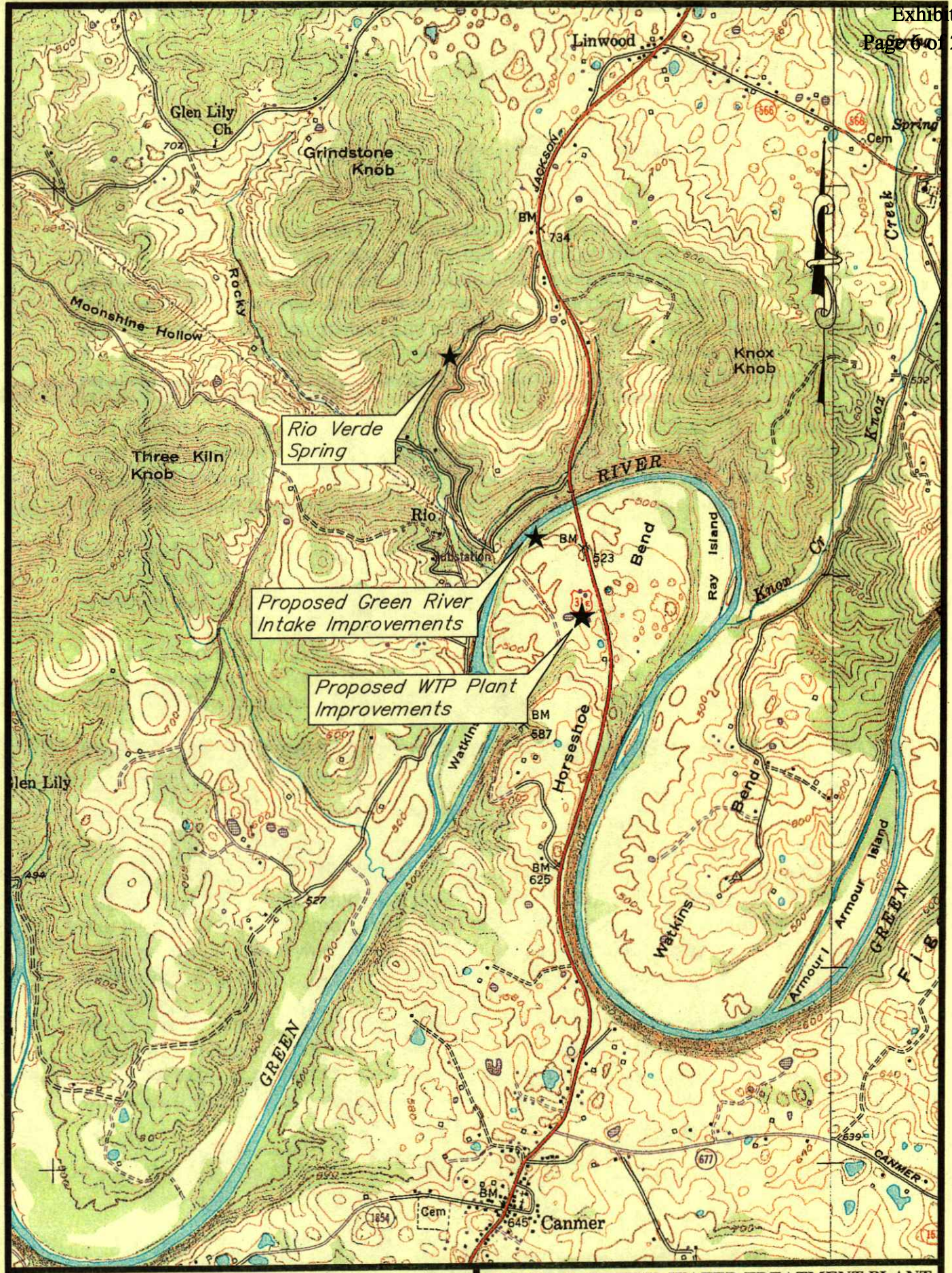
The existing WTP implements a conventional treatment process and raw water is obtained from two independent sources. The first raw water intake is a concrete tower type located on Green River. The second is a gravity feed intake located at Rio Verde Spring. Green River can easily provide all the raw water needed by the Water District but the quality is less pristine than that provided by Rio Verde Spring. The spring is a limited supply of raw water that can sustain a flow of roughly 3.5 mgd during dry periods.



N:\P\2014042\MISC\GRWD Service Boundary3.dwg, 10/14/2015 8:43:37 AM, JKP

WINCHESTER, KY. 1:250,000 QUADRANGLE  
SCALE: 1" = 4 MILES

FIGURE 1 - GRWD SERVICE BOUNDARY



N:\P\2014042\MISC\Topo.dwg, 10/14/2015 8:49:36 AM, JKP

CANMER, KY. QUADRANGLE  
SCALE: 1"=2,000'

FIGURE 2 - GRWD WATER TREATMENT PLANT  
RAW WATER SOURCES

## EXISTING FACILITIES (continued)

Raw water is delivered to the WTP at the flash mix basin where carbon, alum, lime, potassium permanganate, polymer coagulant and chlorine may be added to facilitate the removal of any contaminants and disinfect the water. The process flow exits the flash mix and enters one of six flocculation and sedimentation process trains. The flocculation and sedimentation basins promote the growth of floc so it may settle and consolidate on the bottom of the basins before being removed and disposed in the lagoons. Each process train is rated at 1.0 mgd.

The settled water is then applied to six multimedia gravity filters. The media in each filter consists of 18" anthracite, 12" sand, and 12" gravel. Water flows downward through the media layers before being collected and piped to the clearwells. Each filter is rated for 1.0 mgd.

There are three (3) steel clearwells with volumes equal to 200,000, 300,000, 400,000 gallons. The last clearwell constructed is a concrete structure with two isolatable halves and volume of 500,000 gallons.

The facility has two (2) high service pump station to deliver the water into the distribution system. The high service pumps can distribute over 8.0 mgd to the Water District's customers with the largest pump removed from service.

Process residuals from flocculation, sedimentation and filtration processes are discharged to one of the two lagoons.

The financial status of the existing facility will be discussed in detail in the summary addendum to the Preliminary Engineering Report.

The existing water treatment plant is designed to produce 6.0 million gallons per day (mgd). The improvements proposed herein will expand the plant's capacity to 7.0 mgd with minimal work needed in the future to increase the capacity to 8.0 mgd.

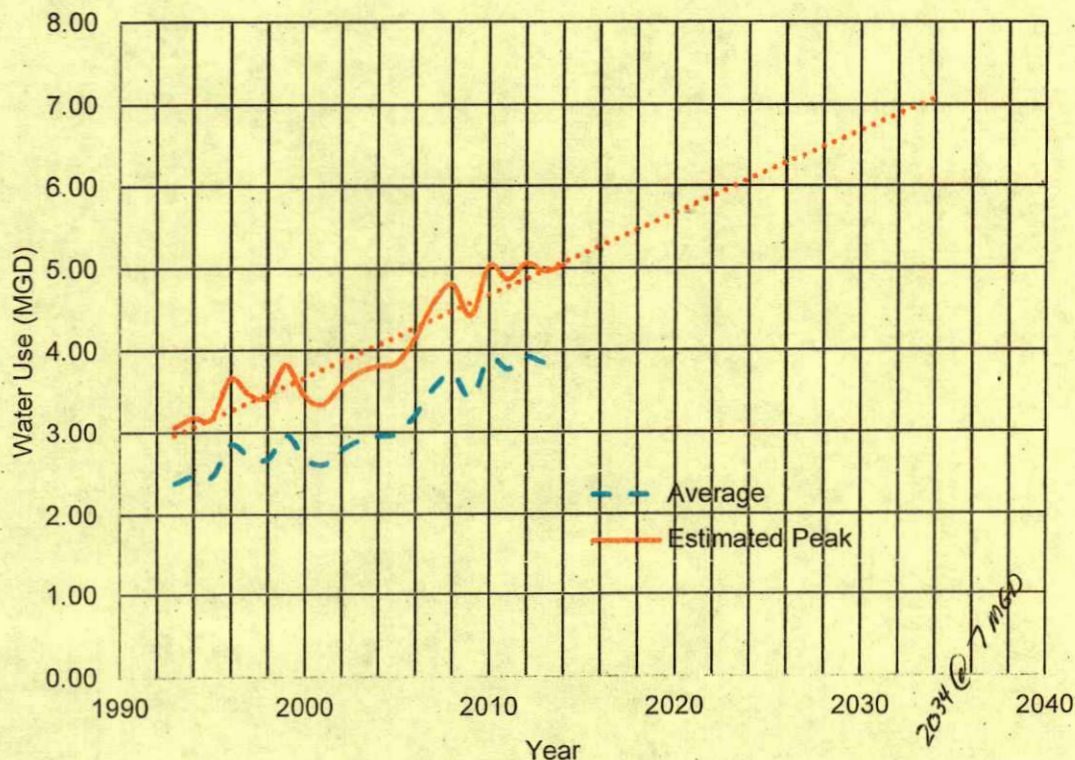
Water usage over the next 20 years is projected to grow approximately 2.1% per year and as shown in the following Table 1. Population growth for Hart County is expected to be at a rate of 0.9% per year. System flushing, line breaks and other water used was included in the customer usages above.

#### 4.0 NEED FOR PROJECT

GRVWD produces potable water for 6,629 residential, 219 commercial, and 7 wholesale customers. During 2014, the average daily volume of water produced at the WTP was 3.90 mgd, or 65% of the plant's capacity. The peak day production was 5.585 mgd which equates to 93% of plant's rated capacity. It can be surmised that GRVWD's water demands will surpass the existing water treatment plant's capacity in the near future. The Safe Drinking Water Act requires that the US Environmental Protection Agency and State agencies ensure water systems have the technical, managerial, and financial capacity to meet the National Primary Drinking Water Regulations. Capacity is defined as the ability of a water system to consistently provide safe drinking water for its customers. Figure 3 is a graphical representation of the average daily production and estimated peak daily demand over the past 21 years. The graph also includes a forecast line for the estimated peak demand for the next 20 years.

Figure 3

Historical Water Production



From the graph, it is evident that the Water District will exceed their WTP's rated capacity within the next 10 years.

During and after rain events the Green River's turbidity levels can increase from 2 NTU to over 1,000 NTU in a short time period. During these events the water treatment plant struggles to keep up with the demand while meeting current drinking water regulations. The proposed project will address the high turbidity condition along with increasing the plant's capacity to serve future growth. The increased capacity will allow GRVWD to take the WTP elements out of service for longer periods of time to perform routine maintenance.

Further, the original portion of GRVWD's water treatment plant was constructed in the 1960's. This portion of mechanical and electrical components, including treatment process controls, are in need of repair, rehabilitation and/or replacement in order to provide the necessary reliability of plant operation.

## 5.0 ALTERNATIVES CONSIDERED

**Alternate No. 1** is the expansion of the water treatment facilities from 6.0 MGD to 8.0 MGD. The expansion includes modifications and additions to the raw water intake facilities; chemical feed improvements, new flocculation basins, new sedimentation basins, new rapid sand filters, new one million gallons clearwell, and new high service pumps.

The proposed improvements at the raw water intake consist of a new supply pipe from the existing intake structure into the Green River. The existing raw water intake suffers from silt accumulation around the inlet pipes which restricts, or stops, the flow of water into the pumps. The proposed pipe will allow water withdrawals from the deepest portion of the river channel instead of the shallow bank area. The new withdrawal point will be located on the Green River at River Mile 240.5. Due to the environmentally sensitive nature of working within the banks of the Green River, the Water District completed all studies needed to obtain a 404 Permit from the US Corps of Engineers and 401 Water Quality Certification from the Kentucky Division of Water for the proposed intake improvements.

The majority of the existing chemical feed systems will be reused, but the existing Chlorine Building be demolished to make room for the new flocculation and sedimentation basins. A new structure will be built to house the chlorination system.

The proposed flocculation, sedimentation and filtration basins will mimic the existing facilities. The performance of the existing basins is acceptable under most operating conditions. Only during periods of high turbidity and high demand is the performance unsatisfactory. The new basins will allow the operators to reduce the loading on the existing basins and maintain treatment performance.

The Water District has two (2) steel clearwells that are in a state of disrepair and will be demolished as part of the project. The existing 200,000 gallon steel

clearwell and 500,000 concrete clearwell will remain in service as-is. To provide additional finished water storage, a new 1,000,000 gallon concrete clearwell will be constructed. The new clearwell will include serpentine baffles to improve disinfection contact time.

Table 1 is a preliminary opinion of probable cost for the improvements described under Alternate 1.

**TABLE 1**  
**ALTERNATE 1 – EXPAND EXISTING TO 8.0 MGD**

Construction		\$6,335,000
Engineering		
Design	\$420,000	
Resident Inspection	\$282,000	
Preliminary Engin. Report	\$20,000	
Environmental	\$20,000	
Surveying & Mapping	\$15,000	
Geotechnical Investigation	\$25,000	
		<hr/>
		\$782,000
Bond Counsel		\$30,000
Local Counsel		\$13,000
Interim Interest		\$280,000
Contingency		\$560,000
		<hr/>
	Total	\$8,000,000



**Alternate No. 2** is the expansion of the existing water treatment facility from 6.0 MGD to 10.0 MGD. The expansion will consist of improvements at the existing raw water intake, new chemical feed system, additional flocculation, sedimentation and filtration facilities, new 1.0 million gallon clearwell and high service pumps, new electrical system, new controls, and refurbishing the existing water treatment plant. The expansion will be of conventional design and will match the existing plant. GRVWD has sufficient land to construct the expansion.

**TABLE 2  
ALTERNATE 2 – EXPAND EXISTING TO 10.0 MGD**

Construction		\$9,585,000
Engineering		
Design	\$613,000	
Resident Inspection	\$398,000	
Preliminary Engin. Report	\$22,000	
Environmental	\$20,000	
Surveying & Mapping	\$17,000	
Geotechnical Investigation	\$27,000	
		<u>\$1,097,000</u>
Bond Counsel		\$40,000
Local Counsel		\$18,000
Interim Interest		\$420,000
Contingency		\$840,000
	<u>Total</u>	<u>\$12,000,000</u>

**Alternate No. 3** is to abandon the existing water treatment plant and construct a new 10.0 mgd water treatment plant. The proposed water treatment plant would be of conventional design with a flash mixer, flocculation and sedimentation basins, gravity filters, clearwell, chemical storage and automatic feed facilities. Kentucky Division of Water design parameters were used for evaluating this alternate. Additional land adjacent to the existing plant would need to be acquired to build a new plant. This alternate would cost approximately \$20,000,000 as indicated in Table 3.

**TABLE 3  
ALTERNATE 3 – NEW 10.0 MGD WTP**

Construction		\$15,900,000
Engineering		
Design	\$1,018,000	
Resident Inspection	\$654,000	
Preliminary Engin. Report	\$25,000	
O&M Manual	\$27,000	
Environmental	\$23,000	
Surveying & Mapping	\$20,000	
Geotechnical Investigation	\$30,000	
		<u>\$1,797,000</u>
Archeological		\$15,000
Land		\$100,000
Bond Counsel		\$60,000
Local Counsel		\$28,000
Interim Interest		\$700,000
Contingency		\$1,400,000
	<u>Total</u>	<u>\$20,000,000</u>

## 6.0 SELECTED ALTERNATIVE & PROPOSED FUNDING

The above alternatives were discussed with the GRVWD Board and Alternate No. 1 was selected as the preferred alternative due to the reduced project cost and uncertainty concerning future projected water demands. The Board has authorized an application for federal assistance through Rural Development to finance the project. Table 4 outlines the proposed funding.

**TABLE 4  
PROPOSED PROJECT FUNDING**

Rural Development Loan	\$5,600,000
Rural Development Grant	\$2,400,000
Total	\$8,000,000

## 7.0 PROPOSED PROJECT DETAILS

The proposed project (Alternate No. 1) will consist of improvements to the existing raw water intake on Green River, a secondary raw water pump station, new Chlorine Building and feed equipment, two (2) new two-staged flocculation basins and two (2) sedimentation basins, two (2) new filters, new 1,000,000 clearwell, yard piping improvements, refurbishing the existing laboratory, operator area. See Figure 4 for a schematic of the proposed project.

The proposed project also includes the addition of Variable Frequency Drives (VFD) and controls to the existing raw water and high service pumps. The new VFDs will allow the pumps to be efficiently paced to meet the Water Treatment Plant (WTP) demand and minimize the amount of power consumed.

The work to be completed for the Rio Verde Spring supply include construction of a second raw water pump station. Currently, the raw water from Rio Verde Spring is gravity fed to the WTP and then lifted into the flash mix basin. GRVWD cannot utilize additional water volumes of water needed from Rio Verde Spring because the elevation difference isn't large enough. The second pump station will increase the total amount of water available from Rio Verde Spring.

The new flocculation, sedimentation, and filtration facilities will be similar to the existing basins. This simplifies the operation of the WTP since the performance through each of the various process trains is very similar.

Figure 4 shows the various components of the WTP, the proposed improvements, and the process flow through the facility.

N:\P\2014042\MISC\CWTP Schematic.dwg, 10/14/2015 8:57:41 AM, JKP

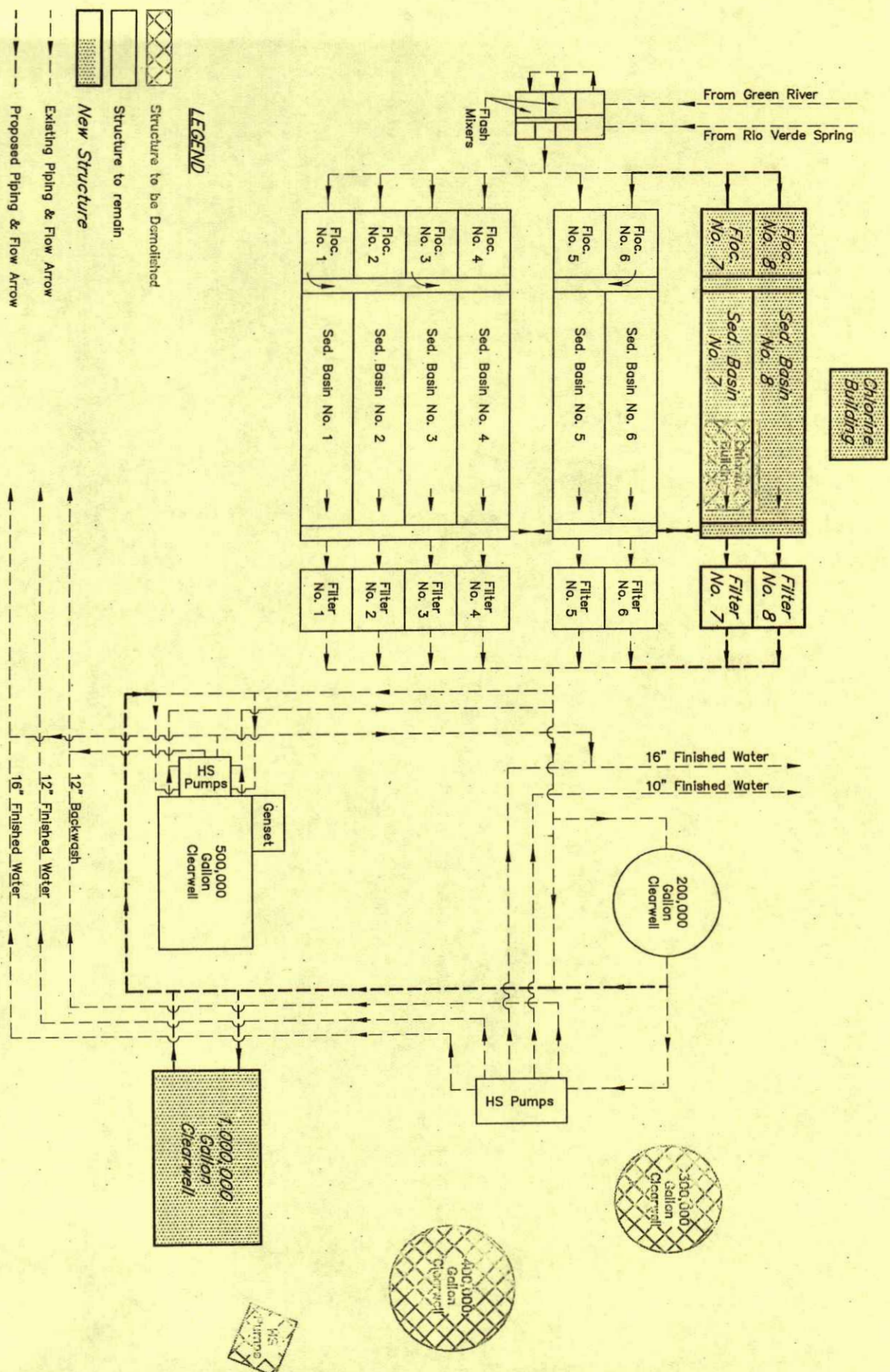


FIGURE 4 - PROPOSED WATER TREATMENT PLANT SCHEMATIC

## 8.0 WATER TREATMENT PLANT OPERATIONS

Raw water will be pumped from Green River or Rio Verde Spring into the plant's flash mix basin where chlorine, caustic soda and coagulant are added. Permanganate and activated carbon will be fed prior into the process stream prior to reaching the WTP along the raw water line. After the flash mix, the water flows into the flocculation basins where a series of variable speed mixing paddles facilitate the floc formation process.

The water continues into the sedimentation basin with a minimum detention time of 2.0 hours. Tube settlers will be installed in each sedimentation basin which facilitates the removal of the floc particles. The bottom of the basin will contain a sludge removal device, from which sludge will be withdrawn. Water will flow through submerged orifices at the effluent end of the basin before continuing to the rapid sand filters.

In the filters, water will flow by gravity down through anthracite, sand, and gravel media before being collected and transported to the clearwell. From the clearwell, water will be lifted by high service pumps into the distribution system.

The treatment process that has been used at the WTP since its initial construction will remain essentially unchanged. GRVWD has historically produced an excellent quality potable water and it can attributed to the water source and treatment process implemented.

Table 5 describes the design criteria used for the various components of the water treatment plant.

**TABLE 5  
DESIGN CRITERIA FOR WTP EXPANSION**

<b>Flocculation</b>	Detention time will be a minimum of 30 minutes for each two-staged flocculation basin. There will be a total of eight (8) two-staged flocculation basins. Flow thru velocity shall between 0.5 to 1.5 fpm. Each flocculation basin will be rated at 1.0 mgd.
<b>Sedimentation Basin</b>	Detention time will be a minimum of 2 hours for each sedimentation basin. There will be a total of eight (8) basins approximately 18' X 75' X 18' each. Flow thru velocity shall not exceed 0.5 fpm. Tube settlers will be installed and will have an application rate of approximately 2.0 gpm/ft <sup>2</sup> .

- Filtration** Anthracite and sand media filters. Filter loading to be under 3.0 gpm/ft<sup>2</sup> with one filter out of service. Minimum backwash rate of 18 gpm/ft<sup>2</sup>. Consideration shall be given to adding air scour to the existing filters.
- Clearwell** New Clearwell volume of 1,000,000 gallons and an existing clearwell volume of 700,000 gallons. This equates to 24% of the plant's proposed capacity.
- High Service Pumps** The existing high service pump stations will remain in service. Pumps are adequate to deliver 7.0 mgd with the largest pump taken out of service.

## 9.0 LAND, RIGHTS, AND PERMITS

The intake and water treatment plant improvements will be constructed on land currently owned by the Green River Valley Water District. No additional land or easement will be needed for the proposed project.

The proposed project must be coordinated with several federal and state agencies before construction can begin. Prior to submitting the final plans and specifications, the Preliminary Engineering Report must be submitted to the Kentucky Division of Water (KDOW) for review and comment. Final plans and specifications must be approved by the Kentucky Division of Water and Housing, Buildings and Construction. Once bids are received an application will be filed with the Public Service Commission for a "Certificate of Public Convenience and Necessity". Table 6 contains a listing of the major permits and approvals that will be received from various federal and state agencies.

**TABLE 6**

<b>Agency</b>	<b>Permit or Approvals</b>
U.S. Fish and Wildlife Service	Kentucky Field Office Section 7 Clearance
U.S. Army Corps of Engineers	Department of Army Nationwide Permit #12
Kentucky Division of Water	Water Withdrawal Permit
Kentucky Division of Water	Stream Construction Permit
Kentucky Division of Water	Water Quality Certification Section 401
Kentucky Division of Water	Floodplain Encroachment Permit

Due to the environmentally sensitive nature of working within the bank's of the Green River, the Water District has already obtained permits from the U.S. Army Corps of Engineers Nationwide Permit #12, U.S. Fish and Wildlife concurrence,

and KDOW Water Quality Certification-Section 401 for the proposed improvements at the Green River Raw Water Intake. Additional permits will be needed for the remaining portions of the WTP Expansion Project.

## 10.0 CONCLUSIONS AND RECOMMENDATIONS

The proposed project to expand the existing WTP from 6.0 to 8.0 mgd is the most economical and environmentally sound alternative for increasing the Green River Valley Water District's potable water supply capacity. It is our recommendation that District proceed with its "Applications for Federal Assistance" to fund the project, and preparation of final plans and specifications for KDOW approval.

An evaluation of the Water District's current operating budget and the proposed project's capital, operating and maintenance costs was conducted to determine the project's impact on the water user rates. Based on the information contained in the Water District's 2012 Annual Report to the Public Service Commission and the funding scenario outlined in Table 4, the user rates for GRVWD's customers need to be increased by 9% and the wholesale rate need to be increased 21%. Appendix A contains the preliminary user impact study.

A Summary Addendum To Preliminary Engineering Report, Kentucky Guide 7 will be completed at a later date. The Summary Addendum outlines the project's feasibility.

**APPENDIX A**



**TABLE A1  
ANTICIPATED PROJECT FUNDING**

Rural Development (RD) Grant	2,400,000.00
Rural Development (RD) Loan	<u>5,600,000.00</u>
<b>Total Project Cost</b>	<b>\$8,000,000.00</b>

**TABLE A2  
EXISTING WTP ANNUAL O&M EXPENSE  
(From 2012 PSC Report)**

<u>Expense Item</u>	<u>Treat. Rate 10.0 MGD</u>
Wages	\$103,790.00
Employee Pensions and Benefits	\$37,092.00
Chemicals	\$163,640.00
Materials and Supplies	\$6,583.00
Contractual Services	\$17,828.00
Insurance and General Liability	\$9,250.00
Worker's Compensation Insurance	\$4,790.00
<b>Total O&amp;M Annual Cost</b>	<b>\$342,973.00</b>

**TABLE A3  
ESTIMATED WTP ANNUAL O&M EXPENSE AFTER EXPANSION**

<u>Expense Item</u>	<u>Treat. Rate 10.0 MGD</u>
Wages	\$110,000.00
Employee Pensions and Benefits	\$40,000.00
Chemicals	\$270,000.00
Materials and Supplies	\$10,000.00
Contractual Services	\$20,000.00
Insurance and General Liability	\$10,000.00
Worker's Compensation Insurance	\$5,000.00
<b>Total O&amp;M Annual Cost</b>	<b>\$465,000.00</b>

The annual debt service is established in the bond ordinance. Rural Development Bonds are for a term of 40 years with principal payments deferred the first two years. Table A4 summarizes the average annual expenses and the required amount of revenues to cover the proposed project.

**TABLE A4  
SUMMARY OF EXPENSES**

	<b>Annual O&amp;M Expenses</b>	<b>Debt Service</b>	<b>Coverage @ 10%</b>	<b>Totals</b>
Existing System	\$2,719,021	\$564,500	\$56,450	\$3,339,971
Current Project	\$122,027	\$345,000	\$34,500	\$501,527
Proposed System	\$2,841,048	\$909,500	\$90,950	\$3,841,498

Since there are no new customers with this project, rates will need to be increased to cover the additional debt service, O&M expenses and 10% coverage. The increase will need to produce a minimum of \$501,527.00 additional revenue.

**TABLE A5  
SUMMARY OF RATE INCREASE**

	<b>Existing Usage</b>	<b>Existing Revenue</b>	<b>Proposed Revenue</b>	<b>% Rate Increase</b>
Wholesale	602,068,000	\$1,317,274	\$1,593,901	21%
GRVWD Customers	534,695,000	\$2,733,498	\$2,979,513	9%

The average bill for GRVWD's residential customers will increase from \$31.33 to \$34.15. The average bill for GRVWD's commercial customer will increase from \$64.03 to \$69.79. GRVWD's whole sale rate will increase from \$2.14 to \$2.59. The rate increase will be further discussed in the Summary Addendum to the Preliminary Engineering Report.

## **CONCLUSIONS AND RECOMMENDATIONS**

Based on the estimated proposed rates, it appears Green River Valley Water District can meet all current and proposed debts and expenses. Therefore, it is recommended that the project be funded and letter of conditions be issued.

# **EXHIBIT 4**

**REVISED**  
**PRELIMINARY ENGINEERING REPORT**  
  
FOR THE  
  
**GREEN RIVER VALLEY WATER DISTRICT**  
**WATER TREATMENT PLANT EXPANSION**

PREPARED BY

***KENVIRONS, INC.***  
***452 VERSAILLES ROAD***  
***FRANKFORT, KY 40601***

PROJECT No. 2014042



**REVISED**  
**APRIL 2016**

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- TABLE A5 – SUMMARY OF RATE INCREASE
- CONCLUSION & RECOMMENDATIONS

## 1.0 INTRODUCTION

In 1959, provisions of Chapter 74 of the Kentucky Revised Statutes allowed officials to organize the Green River Valley Water District (GRVWD). As originally organized, the service area of the GRVWD included the majority of Hart County. In 1960, the County Court of Barren County granted GRVWD permission to annex areas of Barren County. Areas of Green County, Larue County, and Metcalfe County were later included in GRVWD's service area.

GRVWD operates under regulations of the Kentucky Public Service Commission (PSC). Management responsibilities rest with the Board of GRVWD, which consists of five (5) commissioners; three (3) from Hart County appointed by the Hart County Judge Executive and two (2) from Barren County appointed by the Barren County Judge Executive.

In addition to serving the water needs within GRVWD's boundaries, GRVWD also wholesales water to Larue County Water District, Green-Taylor Water District, Caveland Environmental Authority, City of Bonnieville, City of Horse Cave, and City of Munfordville. Each of the wholesale purchasers operate their own water system. Other smaller municipal entities within the service area of GRVWD do not own or operate a water system. These municipal entities and rural areas within GRVWD's service area depend on the Water District for water service.

The catalyst for the formation of the GRVWD was recurring shortages and poor water quality afforded by wells used for both public and private water sources. For the most part, the topography within the GRVWD service area is Karst having numerous sinkholes. Ground water usually consists of underground streams, which use caverns and fissures for flow paths. The source of this ground water is primarily surface water entering underground caverns through openings in sinkholes; thus subjecting these ground water sources to pollutants from various sources. Because of this Karst topography, ground water supplies from wells in the GRVWD service area are generally unreliable sources for drinking water.

The primary sources of raw water for the GRVWD water system are the Rio Verde Spring and Green River. To utilize these water sources, GRVWD constructed its water treatment plant (WTP) adjacent to the Green River between the communities of Rio and Canmer along US31E, also known as N. Jackson Highway.

## 2.0 PROJECT PLANNING AREA

Hart County is located in south-central Kentucky on I-65 midway between Louisville and Nashville. The county seat is the City of Munfordville, which is located near the geographic center of the county. Munfordville is approximately 65 miles south of Louisville and approximately 90 miles northeast of Nashville. The Water District's service area covers the majority of Hart County and portions of Edmonson, Barren, Metcalfe and Green Counties. Approximately 75 percent of the County's population is connected to a public water system with the remaining residents relying on groundwater or cisterns for drinking water. Green River Valley Water District wholesales water for redistribution to the cities, or utilities, of Bonnieville, Munfordville, Horse Cave, Larue County Water District, Green-Taylor Water District and Caveland Environmental Authority. Figure 1 shows the service boundary of the Green River Valley Water District

The Water District's treatment plant and raw water sources are located approximately 8 miles northeast of Munfordville and approximately 18 miles south of Hodgenville, Kentucky. Figure 2 is a USGS topographical map showing the location of the WTP and raw water sources.

The proposed project is generally located in the North central portion of Hart County. According to the *Soil Survey of Hart County, Kentucky*, prepared by the USDA Soil Conservation Service, the major natural resources in the area are limestone, petroleum, natural gas, gravel, clay and trees. The terrain ranges from sultry river bottoms to gently rolling hillsides to steep knobs and hidden hollows. An Environmental Report for the proposed project will contain a more detailed discussion of the environmental resources within the project planning area.

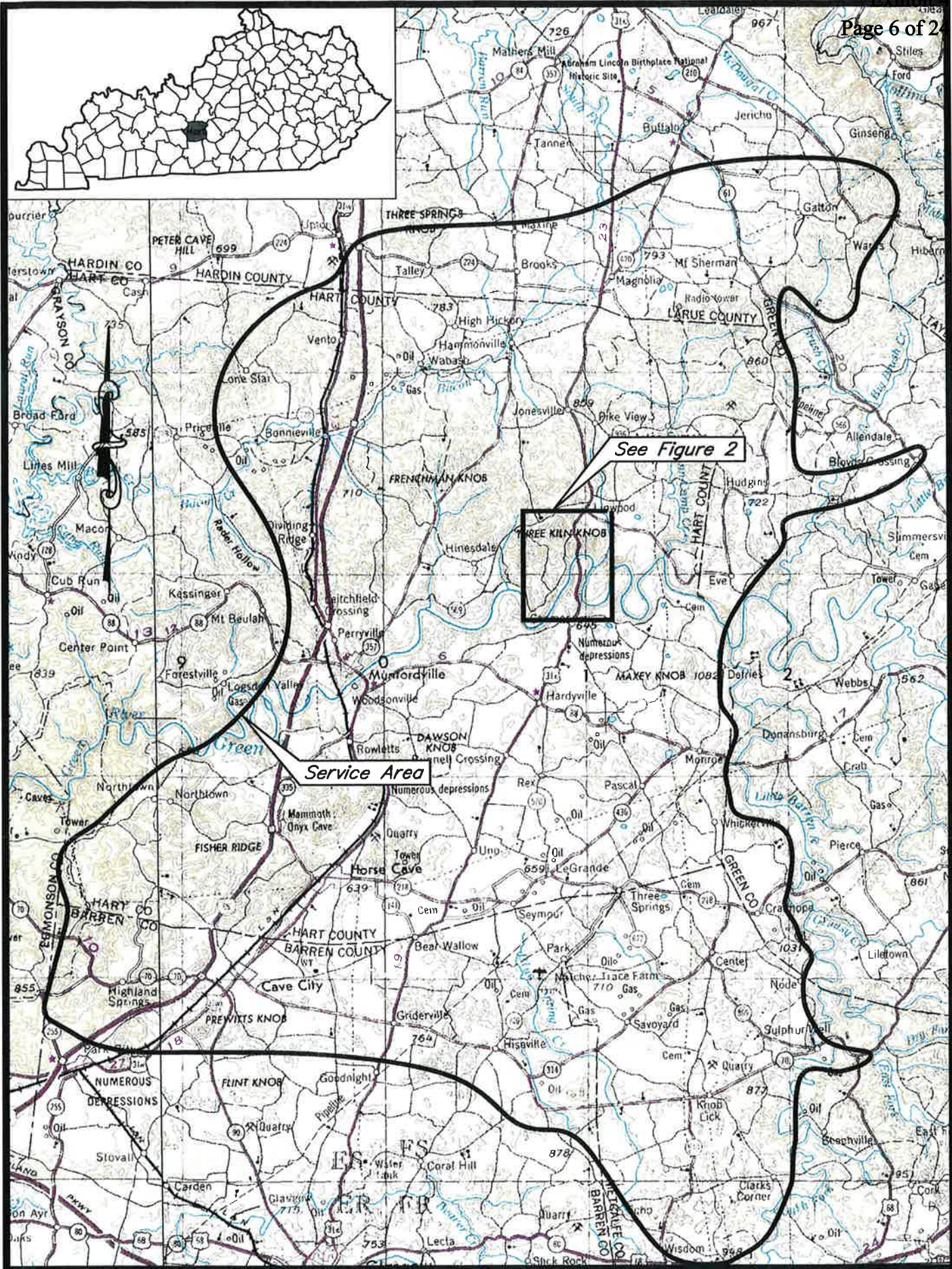
## 3.0 EXISTING FACILITIES

Green River Valley Water District owns and operates a water treatment plant and potable water distribution system in Hart County, Kentucky. The capacity of the WTP is currently 6.0 mgd and was previously improved and expanded in 1979, 1995, and 2003. GRVWD currently maintains approximately 760 miles of water lines ranging in size from 2" through 20", 13 storage tanks with a total combined storage volume of 3,457,000 gallons, and 17 booster pump stations.

The existing WTP implements a conventional treatment process and raw water is obtained from two independent sources. The first raw water intake is a concrete tower type located on Green River. The second is a gravity feed intake located at Rio Verde Spring. Green River can easily provide all the raw water needed by the Water District but the quality is less pristine than that provided by Rio Verde Spring. The spring is a limited supply of raw water that can sustain a flow of roughly 3.5 million gallons per day (mgd) during dry periods.

FIGURE 1  
Water Service Boundary



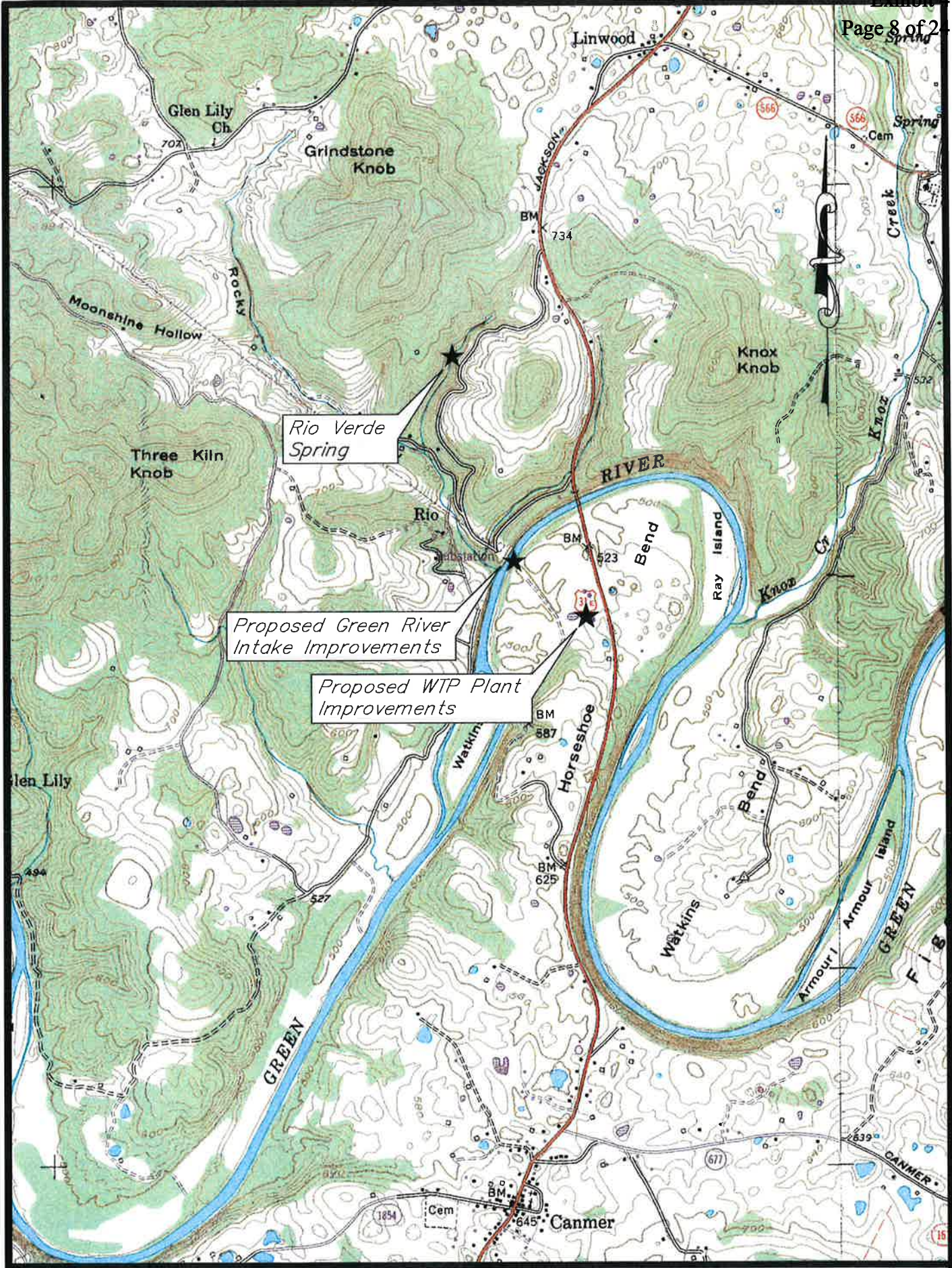


WINCHESTER, KY. 1:250,000 QUADRANGLE  
SCALE: 1"= 4 MILES

FIGURE 1 - GRVWD SERVICE BOUNDARY

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FIGURE 2  
GRVWD WTP & Raw Water Sources Map



CANMER, KY. QUADRANGLE  
SCALE: 1"=2,000'

FIGURE 2 - GRVWD WATER TREATMENT PLANT  
RAW WATER SOURCES

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## EXISTING FACILITIES (continued)

Raw water is delivered to the WTP at the flash mix basin where carbon, alum, lime, potassium permanganate, polymer coagulant and chlorine may be added to facilitate the removal of any contaminants and disinfect the water. The process flow exits the flash mix and enters one of six flocculation and sedimentation process trains. The flocculation and sedimentation basins promote the growth of floc so it may settle and consolidate on the bottom of the basins before being removed and disposed in the lagoons. Each process train is rated at 1.0 mgd.

The settled water is then applied to six multimedia gravity filters. The media in each filter consists of 18" anthracite, 12" sand, and 12" gravel. Water flows downward through the media layers before being collected and piped to the clearwells. Each filter is rated for 1.0 mgd.

There are three (3) steel clearwells with volumes equal to 200,000, 300,000 and 400,000 gallons. The last clearwell constructed is a concrete structure with two isolatable halves and has a volume of 500,000 gallons. This provides a total storage volume of 1,400,000 gallons, or approximately 23% of the rated plant capacity.

The facility has two (2) high service pump stations to deliver the water into the distribution system. The high service pumps can distribute over 8.0 mgd to the Water District's customers with the largest pump removed from service.

Process residuals from flocculation, sedimentation and filtration processes are discharged to one of the two lagoons.

The financial status of the existing facility will be discussed in detail in the Summary Addendum to the Preliminary Engineering Report.

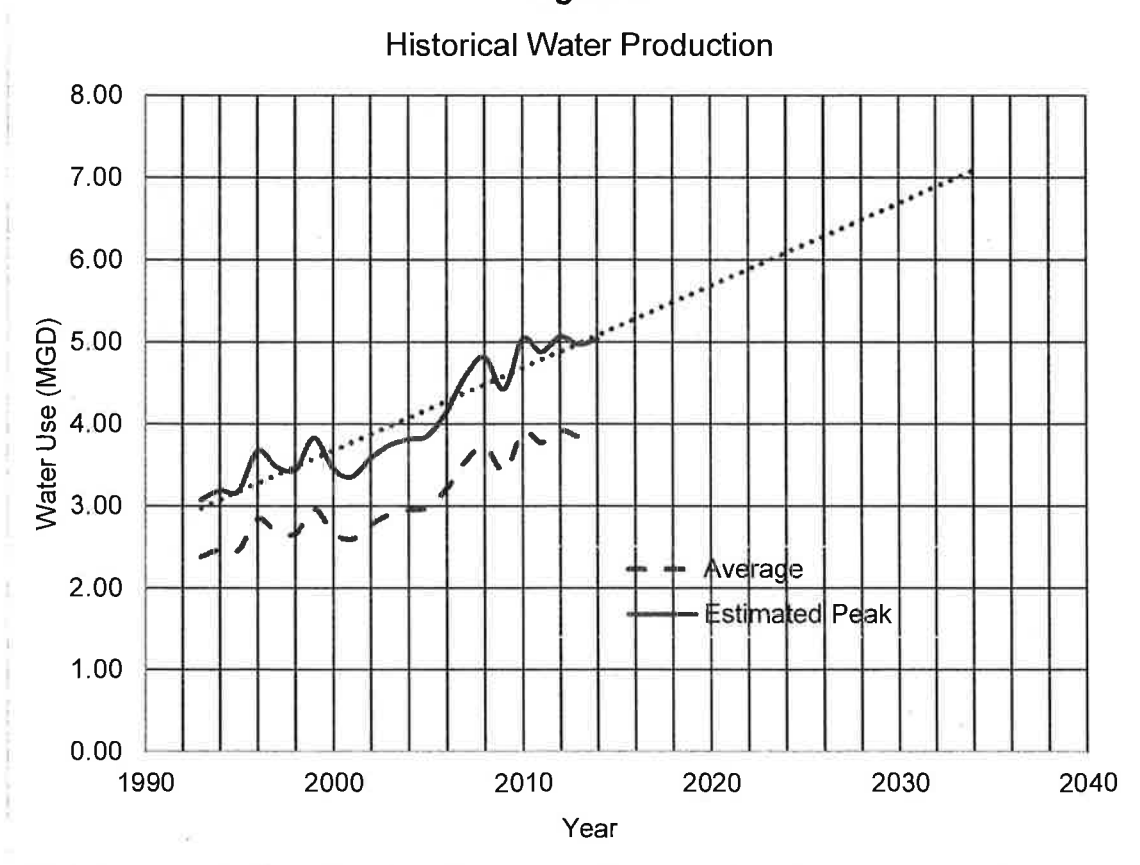
Water usage over the next 20 years is projected to grow approximately 2.1% per year and is shown in the following Figure 3. Population growth for Hart County is expected to be at a rate of 0.9% per year. With the aging water treatment plant and the growth in water demand, the existing water treatment plant needs to be updated.

The existing water treatment plant was designed to produce 6.0 mgd. The improvements proposed herein will expand the plant's capacity to 8.0 mgd with minimal work needed in the future to increase the capacity to 10.0 mgd.

## 4.0 NEED FOR PROJECT

GRVWD produces potable water for 6,629 residential, 219 commercial, and 7 wholesale customers. During 2014, the average daily volume of water produced at the WTP was 3.90 mgd, or 65% of the plant's capacity. The peak day production was 4.821 mgd which equates to 80% of plant's rated capacity. It can be surmised that GRVWD's water demands will surpass the existing water treatment plant's capacity in the near future. The Safe Drinking Water Act requires that the US Environmental Protection Agency and State agencies ensure water systems have the technical, managerial, and financial capacity to meet the National Primary Drinking Water Regulations. Capacity is defined as the ability of a water system to consistently provide safe drinking water for its customers. Figure 3 is a graphical representation of the average daily production and estimated peak daily demand over the past 21 years. The graph also includes a forecast line for the estimated peak demand for the next 20 years.

**Figure 3**



From the graph, it is evident that the Water District will exceed their WTP's rated capacity within the next 10 years.

During and after rain events, the Green River's turbidity levels can increase from 2 NTU to over 1,000 NTU in a short time period. During these events, the water treatment plant struggles to keep up with the demand while meeting current drinking water regulations. The proposed project will address the high turbidity condition along with increasing the plant's capacity to serve future growth. The increased capacity will allow GRVWD to take the WTP elements out of service for longer periods of time to perform routine maintenance.

Further, the original portion of GRVWD's water treatment plant was constructed in the 1960's. This portion of mechanical and electrical components, including treatment process controls, are in need of repair, rehabilitation and/or replacement in order to provide the necessary reliability of plant operation.

## 5.0 ALTERNATIVES CONSIDERED

**Alternate No. 1** is the expansion of the water treatment facilities from 6.0 mgd to 8.0 mgd. The expansion includes modifications and additions to the raw water intake facilities; chemical feed improvements, new flocculation basins, new sedimentation basins, new rapid sand filters, new 1.2 million gallon clearwell, and new high service pumps.

The improvements at the Green River raw water intake will include new piping equipped with an air scour system to prevent sediment accumulation. The new piping will also be equipped with static screens to minimize impingement and entrapment of aquatic wildlife.

To the east of the existing Green River intake is an elevated platform that holds the motor controls and electrical drives for the submersible pumps used at the river intake. The platform keeps the electrical components above the flood level. The proposed project includes new electrical drives and wiring to the intake pumps. A new air compressor will be installed at the platform and air piping will be extended to the intake and lines into the River. The compressed air system will be used to prevent the sediment from accumulating in the lines and clean the screen.

The Rio Verde Spring currently flows by gravity into the water treatment plant. The spring provides an excellent source of water, but use is restricted due to a low elevation difference. This alternative will include the addition of a pump station to increase the amount of usable water from the Rio Verde Spring. A connecting pipeline is also proposed that would allow the pumps at the Green River Intake to be used to deliver the spring's water to the WTP.

The majority of the existing chemical feed systems will be reused, but the existing Chlorine Building will be demolished to make room for the new flocculation and sedimentation basins. A new structure will be built to house the chlorination system.

The proposed flocculation, sedimentation and filtration basins will mimic the existing facilities. The performance of the existing basins is acceptable under most operating conditions. Only during periods of high turbidity and high demand is the performance unsatisfactory. The new basins will allow the operators to reduce the loading on the existing basins and maintain treatment performance during higher turbidity levels.

The Water District has two (2) steel (300,000 and 400,000 gallon) clearwells that are in a state of disrepair and will be demolished as part of the project. The existing 200,000 gallon steel clearwell and 500,000 gallon concrete clearwell will remain in service as-is. To provide additional finished water storage, a new 1,200,000 gallon concrete clearwell will be constructed. The new clearwell will include serpentine baffles to improve disinfection contact time.

Table 1 is a preliminary opinion of probable cost for the improvements described under Alternate 1.

The existing pumps are operating at near maximum capacity. New pumps with variable frequency drives will be installed to increase the supply capacity and allow for future growth.

The existing yard piping will be reconfigured to connect the new basins and clearwell. The new piping layout will aim to simplify and streamline the operational processes and optimize the flow of water within the treatment plant network.

**ALTERNATE 1 – EXPAND EXISTING TO 8.0 MGD**

Construction		\$6,335,000
Engineering		
Design	\$420,000	
Resident Inspection	\$282,000	
Preliminary Engin. Report	\$20,000	
Environmental	\$20,000	
Surveying & Mapping	\$15,000	
Geotechnical Investigation	\$25,000	
		<hr/>
		\$782,000
Bond Counsel		\$30,000
Local Counsel		\$13,000
Interim Interest		\$280,000
Contingency		\$560,000
	<hr/>	
	Total	\$8,000,000

**Alternate No. 2** is the expansion of the existing water treatment facility from 6.0 mgd to 10.0 mgd. The expansion will consist of improvements at the existing raw water intake, new chemical feed system, additional flocculation, sedimentation and filtration facilities, new 1.2 million gallon clearwell and high service pumps, new electrical system, new controls, and refurbishing the existing water treatment plant. The expansion will be of conventional design and will match the existing plant. GRVWD has sufficient land to construct the expansion.

**TABLE 2  
ALTERNATE 2 – EXPAND EXISTING TO 10.0 MGD**

Construction		\$9,585,000
Engineering		
Design	\$613,000	
Resident Inspection	\$398,000	
Preliminary Engin. Report	\$22,000	
Environmental	\$20,000	
Surveying & Mapping	\$17,000	
Geotechnical Investigation	\$27,000	
		<u>\$1,097,000</u>
Bond Counsel		\$40,000
Local Counsel		\$18,000
Interim Interest		\$420,000
Contingency		\$840,000
	<u>Total</u>	<u>\$12,000,000</u>



**Alternate No. 3** is to abandon the existing water treatment plant and construct a new 10.0 mgd water treatment plant. The proposed water treatment plant would be of conventional design with a flash mixer, flocculation and sedimentation basins, gravity filters, clearwell, chemical storage and automatic feed facilities. Kentucky Division of Water design parameters were used for evaluating this alternate. Additional land adjacent to the existing plant would need to be acquired to build a new plant. This alternate would cost approximately \$20,000,000 as indicated in Table 3.

**TABLE 3  
ALTERNATE 3 – NEW 10.0 MGD WTP**

Construction		\$15,900,000
Engineering		
Design	\$1,018,000	
Resident Inspection	\$654,000	
Preliminary Engin. Report	\$25,000	
O&M Manual	\$27,000	
Environmental	\$23,000	
Surveying & Mapping	\$20,000	
Geotechnical Investigation	\$30,000	
		\$1,797,000
Archeological		\$15,000
Land		\$100,000
Bond Counsel		\$60,000
Local Counsel		\$28,000
Interim Interest		\$700,000
Contingency		\$1,400,000
	<b>Total</b>	<b>\$20,000,000</b>

## 6.0 - SELECTED ALTERNATIVE & PROPOSED FUNDING

The above alternatives were discussed with the GRVWD Board and Alternate No. 1 was selected as the preferred alternative due to the reduced project cost and uncertainty concerning future projected water demands. The Board has authorized an application for federal assistance through Rural Development to finance the project. Table 4 outlines the proposed funding.

**TABLE 4  
PROPOSED PROJECT FUNDING**

Rural Development Loan	\$5,600,000
Rural Development Grant	\$2,400,000
Total	\$8,000,000

## 7.0 PROPOSED PROJECT DETAILS

The proposed project (Alternate No. 1) will consist of improvements to the existing raw water intake on Green River, a secondary raw water pump station to pump water from Rio Verde Spring, new Chlorine Building and feed equipment, two (2) new two-staged flocculation basins and two (2) sedimentation basins, two (2) new filters, new 1,200,000 gallon clearwell, yard piping improvements and refurbishing the existing laboratory and operator area. See Figure 4 for a layout of the proposed project.

The proposed project also includes the addition of Variable Frequency Drives (VFD's) and controls to the existing raw water and high service pumps. The new VFD's will allow the pumps to be efficiently paced to meet the water treatment plant demand and minimize the amount of power consumed.

The Water District's primary source of water is the Rio Verde Spring. The secondary source of supply is the Green River. The River can provide more than enough water, but transports large amounts of sediments. The deposition of sediment has clogged the existing piping from the River to the existing intake structure and rendered the pumps inoperable. The proposed project will replace the existing 36" diameter intake lines with new piping equipped with an air scour system to prevent sediment accumulation and sealing off the flow to the pumps. The new piping will also be equipped with static screens to minimize impingement and entrapment of aquatic wildlife.

The work to be completed for the Rio Verde Spring supply includes the construction of a second raw water pump station. Currently, the raw water from

Rio Verde Spring is gravity fed to the WTP and then lifted into the flash mix basin. GRVWD cannot utilize any additional water from Rio Verde Spring because the elevation difference isn't large enough. This second pump station will increase the amount of water available from Rio Verde Spring. A connecting pipe will also be installed that will allow the pumps at the Green River Intake to be used to deliver the spring's water.

In order for the new flocculation chambers, sedimentation basins, and filter building to be installed, the existing building that houses the chlorine used to disinfect the water will need to be demolished. A new facility will be constructed to house the chlorine feed system.

The primary objective of this project is to expand the capacity of the current water treatment plant from 6.0 to 8.0 million gallons per day. In order to achieve this level of performance, two new flocculation chambers, two sedimentation basins and two new filters will be needed to treat the additional water. The new basins and filters will mimic the existing structures. The flocculation, sedimentation, and filtration basins will be of the same size as the existing structures. The new additions will be located adjacent to the existing basins. Adding basins that mimic the existing structures will maintain operation simplicity since the performance through each process train will be very similar.

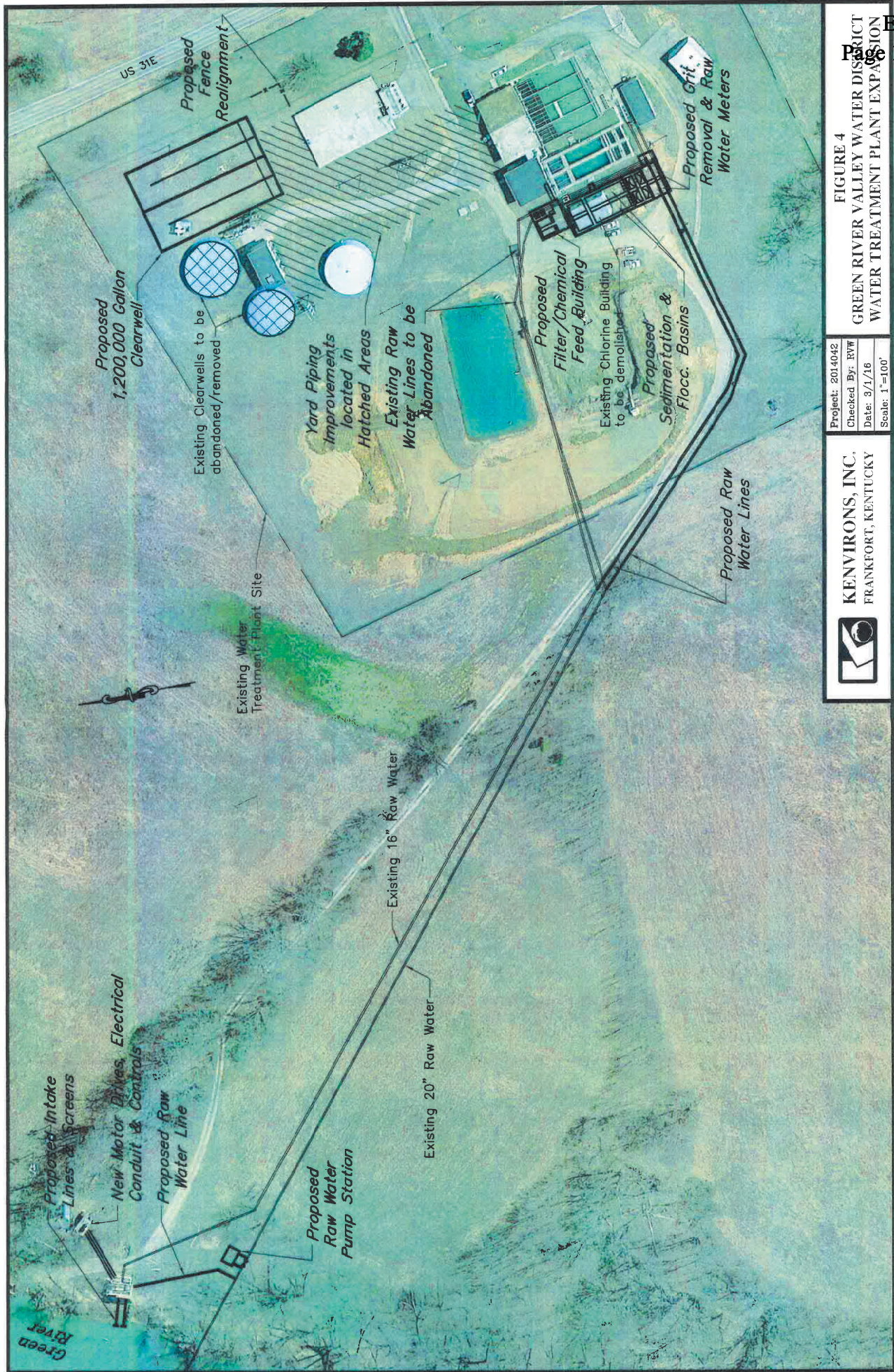
After the water has been treated, the finished water is stored in a network of clearwells. Currently, there are three steel clearwells with capacities of 200,000, 300,000, and 400,000 gallons, and one concrete clearwell with a capacity of 500,000 gallons. This project outlines the demolition of the existing 300,000 and 400,000 gallon steel clearwells. These facilities are in a state of disrepair, and have reached the end of their usable life. In order to replace the storage that these tanks provided, a new 1,200,000 gallon concrete clearwell with a serpentine baffle system and isolatable halves will be constructed on the northern side of the existing concrete clearwell.

The existing pumps are operating at near maximum capacity, and will not be able to supply the water needed for the future growth of the Water District's service area. New pumps with variable frequency drives will be installed to increase the supply capacity and allow for future growth.

Over many years and previous projects, the piping layout has been modified and altered to fit with different treatment and storage systems. These numerous modifications have made the plant operation unnecessarily complex. The existing yard piping will be reconfigured to connect the new basins and clearwell.

The Figure 4 layout shows the various components of the WTP, the proposed improvements, and the process flow through the facility.

FIGURE 4  
PROPOSED WTP LAYOUT



Project: 2014042  
 Checked By: RW  
 Date: 3/1/16  
 Scale: 1"=100'

**KENVIRONS, INC.**  
 FRANKFORT, KENTUCKY



**FIGURE 4**  
 GREEN RIVER VALLEY WATER DISTRICT  
 WATER TREATMENT PLANT EXPANSION

## 8.0 WATER TREATMENT PLANT OPERATIONS

Raw water will be pumped from Green River or Rio Verde Spring into the plant's flash mix basin where chlorine, lime and coagulant are added. Permanganate and activated carbon will be fed into the process stream prior to reaching the WTP along the raw water line. After the flash mix, the water flows into the flocculation basins where a series of variable speed mixing paddles facilitate the floc formation process.

The water continues into the sedimentation basin with a minimum detention time of 2.0 hours. Tube settlers will be installed in each sedimentation basin which facilitates the removal of the floc particles. The bottom of the basin will contain a sludge removal device, from which sludge will be withdrawn. Water will flow through submerged orifices at the effluent end of the basin before continuing to the rapid sand filters.

In the filters, water will flow by gravity down through anthracite, sand, and gravel media before being collected and transported to the clearwell. From the clearwell, water will be lifted by high service pumps into the distribution system.

The treatment process that has been used at the WTP since its initial construction will remain essentially unchanged. GRVWD has historically produced an excellent quality potable water and it can attributed to the water source and treatment process implemented.

Table 5 describes the design criteria used for the various components of the water treatment plant.

**TABLE 5  
DESIGN CRITERIA FOR WTP EXPANSION**

<b>Flocculation</b>	Detention time will be a minimum of 30 minutes for each two-staged flocculation basin. There will be a total of eight (8) two-staged flocculation basins. Flow thru velocity shall be between 0.5 to 1.5 fpm. Each flocculation basin will be rated at 1.0 mgd.
<b>Sedimentation Basin</b>	Detention time will be a minimum of 2 hours for each sedimentation basin. There will be a total of eight (8) basins approximately 18' X 75' X 18' each. Flow thru velocity shall not exceed 0.5 fpm. Tube settlers will be installed and will have an application rate of approximately 2.0 gpm/ft <sup>2</sup> .

- Filtration** Anthracite and sand media filters. Filter loading to be under 3.0 gpm/ft<sup>2</sup> with one filter out of service. Minimum backwash rate of 18 gpm/ft<sup>2</sup>. Consideration shall be given to adding air scour to the existing filters.
- Clearwell** New Clearwell volume of 1,200,000 gallons and an existing clearwell volume of 700,000 gallons. This equates to 24% of the plant's proposed capacity.
- High Service Pumps** The existing high service pump stations will remain in service. Pumps are adequate to deliver 7.0 mgd with the largest pump taken out of service.

## 9.0 LAND, RIGHTS, AND PERMITS

The intake and water treatment plant improvements will be constructed on land currently owned by the Green River Valley Water District. No additional land or easement will be needed for the proposed project.

The proposed project must be coordinated with several federal and state agencies before construction can begin. Prior to submitting the final plans and specifications, the Preliminary Engineering Report must be submitted to the Kentucky Division of Water (KDOW) for review and comment. Final plans and specifications must be approved by the Kentucky Division of Water and Housing, Buildings and Construction. Once bids are received an application will be filed with the Public Service Commission for a "*Certificate of Public Convenience and Necessity*". Table 6 contains a listing of the major permits and approvals that will be received from various federal and state agencies.

**TABLE 6**

<b>Agency</b>	<b>Permit or Approvals</b>
U.S. Fish and Wildlife Service	Kentucky Field Office Section 7 Clearance
U.S. Army Corps of Engineers	Department of Army Nationwide Permit #12
Kentucky Division of Water	Water Withdrawal Permit
Kentucky Division of Water	Stream Construction Permit
Kentucky Division of Water	Water Quality Certification Section 401
Kentucky Division of Water	Floodplain Encroachment Permit

Due to the environmentally sensitive nature of working within the banks of the Green River, the Water District is in the process of obtaining a permit from the U.S. Army Corps of Engineers, U.S. Fish and Wildlife concurrence, and KDOW Water

Quality Certification-Section 401 for the proposed improvements at the Green River Raw Water Intake. Additional permits will also be needed for the remaining portions of the WTP Expansion Project.

## 10.0 CONCLUSIONS AND RECOMMENDATIONS

The proposed project to expand the existing WTP from 6.0 to 8.0 mgd is the most economical and environmentally sound alternative for increasing the Green River Valley Water District's potable water supply capacity. It is our recommendation that District proceed with its "Applications for Federal Assistance" to fund the project, and preparation of final plans and specifications for KDOW approval.

An evaluation of the Water District's current operating budget and the proposed project's capital, operating and maintenance costs was conducted to determine the project's impact on the water user rates. Based on the information contained in the Water District's Financial Statements and the funding scenario outlined in Table 4, the user rates for GRVWD's general customers need to be increased by 6.8% and the wholesale rate needs to be increased 20.8% . Appendix A contains the preliminary evaluation of the user rate impact.

A Summary Addendum to Preliminary Engineering Report, Kentucky Guide 7 will be completed at a later date. The Summary Addendum outlines the project's feasibility.



**APPENDIX A**

## REVENUE REQUIREMENTS FOR PROPOSED PROJECT

With RUS Grant

### PROPOSED PROJECT FUNDING

Rural Development Grant	2,400,000
Rural Development Loan	5,600,000
	\$8,000,000

### REVENUE REQUIREMENT FOR PROPOSED PROJECT

RD Loan Amount	\$5,600,000
Term of Loan, Years	38
Interest Rate	1.80%
Capital Recovery Factor	0.0366

RD Annual Principal & Interest \$204,742

Debt Service Coverage, Reserve, & Service Fees  
Rural Development Coverage at 10% 20,474

Increase O&M Expense over 4 years (See Note 1) 109,026

Depreciation Expenses (see Note 2) 112,000

**TOTAL REVENUE REQUIREMENTS  
FOR PROPOSED PROJECT ..... \$446,242**

### SUMMARY of RATE INCREASE

User Type	Water Usage		Distributed Revenue Requirement	Existing Revenue	Proposed Revenue	Percent Rate Increase
	Gallons	Percent				
GRVWD Customers	417,914,100	41.6%	\$185,750	\$2,729,614	\$2,915,364	6.8%
Wholesale Sales	586,072,430	58.4%	\$260,492	\$1,254,195	\$1,514,687	20.8%
<b>Total</b>	<b>1,003,986,530</b>	<b>100.0%</b>	<b>\$446,242</b>	<b>\$3,983,809</b>	<b>\$4,430,051</b>	

Note 1 - Increase primarily due to an additional operator and benefits, increase chemical and electrical costs. (\$40,000 + \$406,376\*16.99%)

Note 2 - Depreciation was evaluated using 100% of the RD Loan amount and applying straight-line depreciation over a 50 year life cycle.

## REVENUE REQUIREMENTS FOR PROPOSED PROJECT

Without RUS Grant

### PROPOSED PROJECT FUNDING

Rural Development Grant	\$0
Rural Development Loan	<u>\$8,000,000</u>
	\$8,000,000

### REVENUE REQUIREMENT FOR PROPOSED PROJECT

RD Loan Amount	\$8,000,000
Term of Loan, Years	38
Interest Rate	1.80%
Capital Recovery Factor	0.0366

RD Annual Principal & Interest	\$292,489
Debt Service Coverage, Reserve, & Service Fees	
Rural Development Coverage at 10%	29,249
Increase O&M Expense over 4 years (See Note 1)	109,026
Depreciation Expenses (see Note 2)	<u>160,000</u>
<b>TOTAL REVENUE REQUIREMENTS FOR PROPOSED PROJECT</b>	<b>\$590,764</b>

### SUMMARY of RATE INCREASE

User Type	Water Usage		Distributed Revenue Requirement	Existing Revenue	Proposed Revenue	Percent Rate Increase
	Gallons	Percent				
GRVWD Customers	417,914,100	41.6%	\$245,908	\$2,729,614	\$2,975,522	9.0%
Wholesale Sales	586,072,430	58.4%	\$344,856	\$1,254,195	\$1,599,051	27.5%
<b>Total</b>	<b>1,003,986,530</b>	<b>100.0%</b>	<b>\$590,764</b>	<b>\$3,983,809</b>	<b>\$4,574,573</b>	

Note 1 - Increase primarily due to an additional operator and benefits, increase chemical and electrical costs. (\$40,000 + \$406,376\*16.99%)

Note 2 - Depreciation was evaluated using 100% of the RD Loan amount and applying straight-line depreciation over a 50 year life cycle.

# **EXHIBIT 5**



# FINAL ENGINEERING REPORT

*for*

## GREEN RIVER VALLEY WATER DISTRICT WATER TREATMENT PLANT EXPANSION

*prepared by:*

**KENVIRONS, INC.**  
770 WILKINSON BLVD  
FRANKFORT, KY 40601

**PROJECT No. 2014042**

**JULY 2019**



**Kenvirons, Inc.**

*Civil & Environmental Engineering and Laboratory Services*

### **INTRODUCTION**

Green River Valley Water District (GRVWD) made an application for financial assistance to USDA Rural Development for the expansion of their water treatment facilities. A Preliminary Engineering Report dated April 2015 was prepared describing the need and scope of the Water Treatment Plant (WTP) Expansion. The Preliminary Engineering Report was updated April 2016 to further define the need for the project and the improvements proposed to expand the WTP from 6.0 million gallons per day (MGD) to 8.0 MGD. The report is included herewith by reference.

Since the inception of the preliminary plan for the plant expansion, some revisions and additions have been incorporated into the project. The primary revisions/additions included:

1. Spring Pump Station includes space for an additional future pump should GRVWD need to expand the WTP in the future.
2. Grit Separator System to reduce the sediment accumulation in the flocculation basins and minimize the current problem with drains plugging.
3. All new fluoride feed system incorporated into the new chemical feed building developed originally to relocate the chlorine feed system.
4. Additional clearwell storage volume provided to optimize the available land space and improve chlorine contact time.
5. Dedicated clearwells to the North and South High Service Pump Zones, added three (3) pumps for the North Zone, and simplified the yard piping flow pattern.
6. New SCADA System for the water treatment plant.
7. New SCADA System for water distribution system to include all tanks, booster pump stations, and master meters.

The revisions/additions were evaluated based on their initial capital cost, operation and maintenance reliability, operator safety, and environmental soundness, and were determined to be appropriate for the Water District's operations.

### **BIDS**

Bids were received on July 10, 2019 at the Water District's Office. Four (4) bids ranging from \$9,715,000 to \$12,940,900 were received for the WTP expansion. The low bidder was Judy Construction Company of Cynthiana, Kentucky. A certified bid tabulation is included in Appendix A.

### **PROJECT COST & FUNDING**

The following Table 1 outlines the original project budget as contained in the Preliminary Engineering Report and the revised budget based upon the bids received and the anticipated sources of funding, respectively.

**TABLE 1 - PROJECT BUDGET**

Project Component	Preliminary Engineering Report	Revised Project Budget
Total Construction Cost	\$6,335,000	\$9,715,000
Engineering		
Design	\$420,000	\$621,800
Construction Observation	282,000	403,500
Preliminary Engineering Report	20,000	20,000
Environmental	20,000	20,000
Survey & Mapping	15,000	7,300
Geotechnical Investigations	25,000	13,400
Bond Counsel	30,000	39,200
Local Counsel	13,000	17,500
Interim Interest	280,000	281,500
Contingency	560,000	485,800
<b>TOTAL PROJECT COST</b>	<b>\$8,000,000</b>	<b>\$11,625,000</b>

The deficit between the revised project budget and the available funding is \$3,625,000. USDA Rural Development was informed of the project overruns. It is anticipated that funding will be available for the project overruns but, at this time, it is unknown whether the same grant:loan ratio, or if any additional grant monies, will be allocated to the project. Discussions with USDA Rural Development has indicated that the current interest rate is 3.25% for a 38 year term loan but the interest rate is likely to be reduced to 2.75% in the near future.

**FEASIBILITY ANALYSIS**

A feasibility analysis was performed to evaluate the water rate increase needed to pay for the additional loan. GRVWD has deep concerns that excessive rate increases will create severe financial burdens on their customers, as well as surrounding utilities that purchase water for resale. The analysis assumes that that an additional grant will be available at the same ratio, 30:70 grant-to-loan, as the finance established in the RD Letter of Conditions. The feasibility analysis also assumes an interest rate of 3.25% for the additional loan.

The following Table 2 shows the proposed project funding and the revenue requirements for the revised project funding.

**TABLE 2 - PROPOSED PROJECT FUNDING & REVENUE REQUIREMENT**

<b>PROPOSED PROJECT FUNDING</b>		<b>Original PER</b>	<b>Additional Funding</b>	<b>TOTALS</b>
Rural Development Grant	30%	\$2,400,000	\$1,087,500	\$3,487,500
Rural Development Loan	70%	5,600,000	2,537,500	8,137,500
		<b>\$8,000,000</b>	<b>\$3,625,000</b>	<b>\$11,625,000</b>
<b>PROJECT REVENUE REQUIREMENT</b>				
RD Loan Amount		\$5,600,000	\$2,537,500	\$8,137,500
Term of Loan, Years		38	38	
Interest Rate		2.25%	3.25%	
Capital Recovery Factor		0.0394	0.0462	
Annual Principal & Interest		\$220,794	\$117,244	\$338,038
Coverage at 10%		22,079	11,724	33,804
<b>TOTAL REVENUE REQUIREMENTS FOR PROPOSED PROJECT .....</b>		<b>\$242,874</b>	<b>\$128,968</b>	<b>\$371,842</b>

Prior to receiving bids on the proposed project, the Water District employed Kentucky Rural Water Association (KRWA) to perform a Cost of Service Study for Retail and Wholesale Rates. The study utilized the Water District's 2018 Financial Statement and assumed the proposed project could be completed for a total project of cost \$10,000,000. The study included a billing analysis based upon water consumption for 2018. KRWA was asked to revise the study based on a total project cost of \$11,625,000 and establish the rates needed to cover the projects revenue requirements. Table 3 shows the proposed user rates necessary to finance the water treatment plant expansion.

**TABLE 3 - PROPOSED WATER RATES**

<b>User Rate for Water Consumption</b>				
Water Use			Billing Rate	
First	2,000	gallons @	\$22.10	Minimum Bill
Next	8,000	gallons @	5.95	per 1,000 gallons
Next	20,000	gallons @	4.85	per 1,000 gallons
Over	30,000	gallons @	3.85	per 1,000 gallons
<b>Minimum Bills Based on Meter Size</b>				
Meter Size	Usage Included		Minimum Bill	
5/8 x 3/4 inch	2,000 gallons		\$22.10	
1 inch	5,000 gallons		39.95	
1-1/2 inch	10,000 gallons		69.70	
2 inch	15,000 gallons		93.95	



Appendix B contains a billing analysis based on the 2018 water consumption and the proposed rates. The billing analysis indicates that the new rates will generate \$3,256,385 for residential, \$301,536 for commercial, and \$1,770,801 for wholesale customers, which totals \$5,328,723 for all water sales. The 2018 Financial Statement indicates that the water sales for retail and wholesale customers totaled \$4,234,812. Therefore, the new rates generated an additional revenue \$1,093,911 for the Water District.

Another item the Water District wished to amend in the RD Letter of Conditions is the Reserve Account for short-lived assets. The following Table 4 outlines the proposed schedule for short-lived assets.

**TABLE 4 – SHORT-LIVED ASSETS**

Type of Reserve	User Description	Replacement Cost	Reserve on Hand	Annual Reserve
1-5 Years	15 - Trucks	\$450,000	\$0	\$90,000
1-5 Years	Lab Equipment	\$50,000	\$0	\$10,000
1-5 Years	9 - Computers	\$10,800	\$0	\$2,160
1-5 Years	3,600 Meters	\$540,000	\$0	\$108,000
<b>Subtotal 1-5 Years</b>				<b>\$210,160</b>
5-10 Years	1 - Trackhoe	\$250,000	\$0	\$25,000
5-10 Years	2 - Backhoes	\$320,000	\$0	\$32,000
5-10 Years	3 - Dump Trucks	\$265,000	\$0	\$26,500
5-10 Years	WTP Equipment	\$20,000	\$0	\$2,000
5-10 Years	3,600 - Meters	\$540,000	\$0	\$54,000
5-10 Years	Skid Steer	\$45,000	\$0	\$4,500
<b>Subtotal 5-10 Years</b>				<b>\$144,000</b>
10-15 Years	13 - Tank Rehab	\$1,300,000	\$0	\$86,667
10-15 Years	Pumping Equipment	\$160,000	\$0	\$10,667
10-15 Years	Telemetry	\$170,000	\$0	\$11,333
<b>Subtotal 10-15 Years</b>				<b>\$108,667</b>
<b>Replacement Reserve - Short Lived Assets</b>				<b>\$462,827</b>

The following Table 5 contains the Water District operating budgets for years 2017, 2018, and projections for year 2021, the year the proposed project will be completed. The bottom of the table shows the "Balance Available for Coverage" and the total coverage needed with the proposed project.

**TABLE 5 – PROPOSED OPERATING BUDGET**

OPERATING REVENUE	2017	2018	Adjust	2021
Retail Water Sales: Residential	\$2,479,204	\$2,562,441	25.2%	\$3,208,315
Retail Water Sales: Commercial	246,828	236,949	25.4%	297,032
Sub-Total Retail Sales (1)	\$2,726,032	\$2,799,390	25.2%	\$3,505,348
Wholesale Water Sales (2)	\$1,195,529	\$1,435,422	21.0%	\$1,737,263
Other Operating Revenues:				
Cash Water Sales	\$226	\$284	3yr Avg	\$330
Rev. from Maint. & Contract Work	97,374	71,881	3yr Avg	\$86,340
Forfeited Discounts	63,449	65,772	3yr Avg	\$62,647
Miscellaneous	29,453	25,724	3yr Avg	39,034
Sub-Total Other Operating Rev. (3)	\$190,502	\$163,661		\$188,350
<b>TOTAL OPERATING REV. (4=&gt;1+2+3)</b>	<b>\$4,112,063</b>	<b>\$4,398,473</b>		<b>\$5,430,961</b>
OPERATING EXPENSES				
Source of Supply & Pump Expense; Operations	\$562,722	\$775,790	2.79%	\$842,625
Water Treatment Expenses; Operations	434,487	387,562	2.79%	420,951
Transmission and Distribution				
Operations	80,630	83,322	2.79%	123,084
Maintenance	887,585	930,245	2.79%	1,070,541
Customer Accounts Expenses	320,784	297,563	2.79%	323,199
Administrative and General Expenses	542,449	597,434	2.79%	648,904
Taxes Other Than Income Taxes	87,209	92,506	2.79%	106,363
Increased O&M at WTP				115,195
Short Lived Assets				462,827
<b>TOTAL OPERATING EXPENSES (5)</b>	<b>\$2,915,866</b>	<b>\$3,164,422</b>		<b>\$4,113,689</b>
Gain on Sales of Equipment	15,029	0	3yr Avg	\$5,010
Interest Income	7,611	5,791	3yr Avg	6,966
Amortization of Premium on Bond Issue	38,602	32,043		32,043
Interest Penalty on Early Retir. of Bonds	0	0		0
<b>TOTAL NONOPER. REV. &amp; (EXPEN) (6)</b>	<b>\$61,242</b>	<b>\$37,834</b>		<b>\$44,019</b>
<b>NET INCOME (LOSS) (7=&gt;4-5+6)</b>	<b>\$1,257,439</b>	<b>\$1,271,885</b>		<b>\$1,361,292</b>
DEBT REPAYMENT				Year 2021
RUS Interest	\$317,719	\$312,359		\$288,762
RUS Principal	185,000	190,000		216,000
Non-RUS Interest	96,293	88,387		56,555
Non-RUS Principal	424,871	432,056		278,465
Proposed Project P&I	0	0		338,038
<b>TOTAL DEBT REPAYMENT (8)</b>	<b>\$1,023,883</b>	<b>\$1,022,802</b>		<b>\$1,177,820</b>
<b>BALANCE AVAILABLE FOR COVERAGE (7-8)</b>	<b>\$233,556</b>	<b>\$249,083</b>		<b>\$183,472</b>
<b>TOTAL COVERAGE &amp; FEES</b>		<b>\$160,895</b>		<b>\$194,699</b>

### **CONCLUSIONS**

1. The feasibility analysis and rate adjustment evaluated in this report is sufficient to generate the revenues needed to cover the Water District's current and proposed operating expenses and debt service.
2. For residential customers, the cost for 5,000 gallons of water would increase from \$31.34 to \$39.95 based on the analysis and assumptions herein. Based on a 2016 report by the PSC, the average cost for 5,000 in the Barren River Area Development District was \$40.
3. For wholesale customers the unit cost for water would increase from \$2.14 per 1,000 gallons to \$2.59 per 1,000 gallons.

### **RECOMMENDATIONS**

1. It is recommended that the Water District pursue the additional funding needed to finance the project through USDA Rural Development.
2. It is recommended that the Water District adjust the user rates as presented herein and/or as stipulated by USDA Rural Development.
3. Pursuant to the additional funds being secured, it is recommended that the contract for the Water Treatment Plant Expansion be awarded to Judy Construction, Inc. in the amount of \$9,715,000. The contractor has constructed many similar projects and has an exceptional reputation in the region.

**APPENDIX A**  
**BID TABULATION**

KENVIRON, INC  
770 Wilkinson Blvd  
Frankfort, KY 40601  
Tel (502) 695-4357

**BID TABULATIONS**

PROJECT: Green River Valley Water District  
Water Treatment Plant Expansion  
LOCATION: Hart County, Kentucky  
BID DATE: July 10, 2019

Item Description	Unit	Quantity	Judy Construction Co. 103 South Church Street Cynthiana, KY 41031		J. Cumby Construction 165 West Broad Street Cookeville, TN 38502		Thieneman Construction 17219 Foundation Pkwy Westfield, IN 46074		Superior Construction Co. 1455 Louis Sullivan Dr. Portage, IN 46368	
			Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
<b>Complete Project, Lump Sum Bid</b>	<b>LS</b>	<b>1</b>	<b>\$9,715,000.00</b>		<b>\$9,764,000.00</b>		<b>\$10,179,000.00</b>		<b>\$12,940,900.00</b>	
Crushed Stone Structural Fill	TN	1,800	\$17.00	\$30,600.00	\$36.00	\$64,800.00	\$48.00	\$86,400.00	\$27.50	\$49,500.00
24" Drilled Pier, Earth	LF	60	\$276.50	\$16,590.00	\$143.00	\$8,580.00	\$340.00	\$20,400.00	\$171.00	\$10,260.00
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The above is a true and complete tabulation of the Bids received by Green River Valley Water District for Contract 1-Water Treatment Plant Expansion. The Bids were opened and read aloud at the District's Office, 1180 East Main Street, Horse Cave, KY 42749, at 1:30 p.m., local time, Wednesday July 10, 2019

By:   
R. Vaughn Williams, P.E.

  
Date



**APPENDIX B**  
**REVISED BILLING ANALYSIS**  
**&**  
**PROPOSED RATE**

**GRVWD - Billing Analysis**

**Water Usage for Year 2018**

**Total Project - \$11,625,000**

**Rates Proposed for 30:70 Grant Loan, January 2019**

RESIDENTIAL WATER USE TABLE			5/8" x 3/4" METER			
Water Use (Gal.)	Number Bills	Total Usage (M Gal.)	First 2,000	Next 8,000	Next 20,000	Next 30,000
First 2,000	24,340	23,585.2	23,585.2			
Next 8,000	46,598	216,059.5	93,196.0	122,863.5		
Next 20,000	5,764	89,994.6	11,528.0	46,112.0	32,354.6	
Over 30,000	920	53,581.8	1,840.0	7,360.0	18,400.0	25,981.8
<b>TOTALS</b>	<b>77,622</b>	<b>383,221.1</b>	<b>130,149.2</b>	<b>176,335.5</b>	<b>50,754.6</b>	<b>25,981.8</b>

RESIDENTIAL REVENUE TABLE			5/8" x 3/4" METER			
Water Use	No. Bills	M Gallons	KRWA Proposed		Revenue	
First 2,000 gallons	77,622	130,149.2	\$22.10	Min. Bill	\$1,715,446	
Next 8,000 gallons		176,335.5	5.95	per M Gal.	1,049,196	
Next 20,000 gallons		50,754.6	4.85	per M Gal.	246,160	
Over 30,000 gallons		25,981.8	3.85	per M Gal.	100,030	
<b>ANNUAL REVENUE</b>					<b>\$3,110,832</b>	

COMMERCIAL WATER USE TABLE			5/8" x 3/4" METER			
Water Use (Gal.)	Number Bills	Total Usage (M Gal.)	First 2,000	Next 8,000	Next 20,000	Next 30,000
First 2,000	1,325	646.8	646.8			
Next 8,000	684	3,543.1	1,368.0	2,175.1		
Next 20,000	209	3,569.8	418.0	1,672.0	1,479.8	
Over 30,000	72	5,526.6	144.0	576.0	1,440.0	3,366.6
<b>TOTALS</b>	<b>2,290</b>	<b>13,286.3</b>	<b>2,576.8</b>	<b>4,423.1</b>	<b>2,919.8</b>	<b>3,366.6</b>

COMMERCIAL REVENUE TABLE			5/8" x 3/4" METER			
Water Use	No. Bills	M Gallons	KRWA Proposed		Revenue	
First 2,000 gallons	2,290	2,576.8	\$22.10	Min. Bill	\$50,609	
Next 8,000 gallons		4,423.1	\$5.95	per M Gal.	26,317	
Next 20,000 gallons		2,919.8	\$4.85	per M Gal.	14,161	
Over 30,000 gallons		3,366.6	\$3.85	per M Gal.	12,961	
<b>ANNUAL REVENUE</b>					<b>\$104,049</b>	

**GRVWD - Billing Analysis**

**Water Usage for Year 2018**

**Total Project - \$11,625,000**

**Rates Proposed for 30:70 Grant Loan, January 2019**

**RESIDENTIAL WATER USE TABLE** 1" METER

Water Use (Gal.)	Number Bills	Total Usage (M Gal.)	First 5,000	Next 5,000	Next 20,000	Next 30,000
First 5,000	363	871.8	871.8			
Next 5,000	182	1,350.3	910.0	440.3		
Next 20,000	173	3,276.1	865.0	865.0	1,546.1	
Over 30,000	97	10,819.3	485.0	485.0	1,940.0	7,909.3
<b>TOTALS</b>	<b>815</b>	<b>16,317.5</b>	<b>3,131.8</b>	<b>1,790.3</b>	<b>3,486.1</b>	<b>7,909.3</b>

**RESIDENTIAL REVENUE TABLE** 1" METER

Water Use	No. Bills	M Gallons	KRWA Proposed	Revenue
First 5,000 gallons	815	3,131.8	\$39.95 Min. Bill	\$32,559
Next 5,000 gallons		1,790.3	5.95 per M Gal.	10,652
Next 20,000 gallons		3,486.1	4.85 per M Gal.	16,908
Over 30,000 gallons		7,909.3	3.85 per M Gal.	30,451
<b>ANNUAL REVENUE</b>				<b>\$90,570</b>

**COMMERCIAL WATER USE TABLE** 1" METER

Water Use (Gal.)	Number Bills	Total Usage (M Gal.)	First 5,000	Next 5,000	Next 20,000	Next 30,000
First 5,000	241	398.6	398.6			
Next 5,000	48	359.4	240.0	119.4		
Next 20,000	69	1,281.6	345.0	345.0	591.6	
Over 30,000	128	14,522.1	640.0	640.0	2,560.0	10,682.1
<b>TOTALS</b>	<b>486</b>	<b>16,561.7</b>	<b>1,623.6</b>	<b>1,104.4</b>	<b>3,151.6</b>	<b>10,682.1</b>

16561.7

**COMMERCIAL REVENUE TABLE** 1" METER

Water Use	No. Bills	M Gallons	KRWA Proposed	Revenue
First 5,000 gallons	486	1,623.6	\$39.95 Min. Bill	\$19,416
Next 5,000 gallons		1,104.4	\$5.95 per M Gal.	6,571
Next 20,000 gallons		3,151.6	\$4.85 per M Gal.	15,285
Over 30,000 gallons		10,682.1	\$3.85 per M Gal.	41,126
<b>ANNUAL REVENUE</b>				<b>\$82,398</b>



**GRVWD - Billing Analysis**

**Water Usage for Year 2018**

**Total Project - \$11,625,000**

**Rates Proposed for 30:70 Grant Loan, January 2019**

**RESIDENTIAL WATER USE TABLE** 2" METER

Water Use (Gal.)	Number Bills	Total Usage (M Gal.)	First 15,000	Next 15,000	Next 30,000	Next 0
First 15,000	7	13.5	13.5			
Next 15,000	4	96.0	60.0	36.0		
Over 30,000	20	1,215.9	300.0	300.0	615.9	
<b>TOTALS</b>	<b>31</b>	<b>1,325.4</b>	<b>373.5</b>	<b>336.0</b>	<b>615.9</b>	<b>0.0</b>

**RESIDENTIAL REVENUE TABLE** 2" METER

Water Use	No. Bills	M Gallons	KRWA Proposed	Revenue
First 15,000 gallons	31	373.5	\$93.95 Min. Bill	\$2,912
Next 15,000 gallons		336.0	4.85 per M Gal.	1,630
Over 30,000 gallons		615.9	3.85 per M Gal.	2,371
<b>ANNUAL REVENUE</b>				<b>\$6,913</b>

**COMMERCIAL WATER USE TABLE** 2" METER

Water Use (Gal.)	Number Bills	Total Usage (M Gal.)	First 15,000	Next 15,000	Next 30,000	Next 0
First 15,000	99	443.2	443.2			
Next 15,000	41	965.4	615.0	350.4		
Over 30,000	165	22,671.4	2,475.0	2,475.0	17,721.4	
<b>TOTALS</b>	<b>305</b>	<b>24,080.0</b>	<b>3,533.2</b>	<b>2,825.4</b>	<b>17,721.4</b>	<b>0.0</b>

**COMMERCIAL REVENUE TABLE** 2" METER

Water Use	No. Bills	M Gallons	KRWA Proposed	Revenue
First 15,000 gallons	305	3,533.2	\$93.95 Min. Bill	\$28,655
Next 15,000 gallons		2,825.4	\$4.85 per M Gal.	13,703
Over 30,000 gallons		17,721.4	\$3.85 per M Gal.	68,227
<b>ANNUAL REVENUE</b>				<b>\$110,585</b>

**GRVWD - Billing Analysis**

**Water Usage for Year 2018**

**Total Project - \$11,625,000**

**Rates Proposed for 30:70 Grant Loan, January 2019**

**WHOLESALE CUSTOMERS REVENUE TABLE**

Water Utility	Water Use (M Gal.)	KRWA (\$/M Gal.)	Revenue
City of Horse Cave	270,470	\$2.59	\$700,516
Caveland Environmental Authority-Cave City	119,374	2.59	309,178
City of Munfordville	99,481	2.59	257,657
Larue County Water District	92,237	2.59	238,894
City of Bonnieville	17,134	2.59	\$44,377
Green-Taylor Water District	60,419	2.59	156,486
CEA-Mammoth Cave	11,643	2.59	30,155
<b>ANNUAL REVENUE</b>	<b>670,757.9</b>		<b>\$1,737,263</b>

**Billing Analysis Summary**

Customer Type	Bills	M Gallons	Sales
Retail, Residential	93,970.5	400,864.0	\$3,208,315
Retail, Commercial	3,081	53,928.0	\$297,032
Wholesale	84	670,757.9	\$1,737,263
<b>Totals</b>	<b>3,165</b>	<b>724,685.9</b>	<b>\$5,242,611</b>

**Revenue From Existing Rates ..... \$4,234,812**

**Additional Revenue ..... \$1,007,799**

# **EXHIBIT 6**

**BID TABULATIONS**

**PROJECT:** Green River Valley Water District  
 Water Treatment Plant Expansion  
**LOCATION:** Hart County, Kentucky  
**BID DATE:** July 10, 2019

KENVIRONS, INC  
 770 Wilkinson Blvd  
 Frankfort, KY 40601  
 Tel (502) 695-4357

Item Description	Unit	Quantity	Judy Construction Co. 103 South Church Street Cynthiana, KY 41031		J. Cumby Construction 165 West Broad Street Cookeville, TN 38502		Thieneman Construction 17219 Foundation Pkwy Westfield, IN 46074		Superior Construction Co. 1455 Louis Sullivan Dr. Portage, IN 46368	
			Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price	Unit Price	Item Price
<b>Complete Project, Lump Sum Bid</b>	<b>LS</b>	<b>1</b>	<b>\$9,715,000.00</b>		<b>\$9,764,000.00</b>		<b>\$10,179,000.00</b>		<b>\$12,940,900.00</b>	
Crushed Stone Structural Fill	TN	1,800	\$17.00	\$30,600.00	\$36.00	\$64,800.00	\$48.00	\$86,400.00	\$27.50	\$49,500.00
24" Drilled Pier, Earth	LF	60	\$276.50	\$16,590.00	\$143.00	\$8,580.00	\$340.00	\$20,400.00	\$171.00	\$10,260.00
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42" Drilled Pier, Earth	LF	20	\$463.50	\$9,270.00	\$342.00	\$6,840.00	\$520.00	\$10,400.00	\$359.10	\$7,182.00
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42" Drilled Pier, Rock	LF	5	\$916.00	\$4,580.00	\$479.00	\$2,395.00	\$1,050.00	\$5,250.00	\$900.00	\$4,500.00
Drilled Pier Probe Hole	LF	140	\$53.00	\$7,420.00	\$150.00	\$21,000.00	\$125.00	\$17,500.00	\$77.00	\$10,780.00
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The above is a true and complete tabulation of the Bids received by Green River Valley Water District for Contract 1-Water Treatment Plant Expansion. The Bids were opened and read aloud at the District's Office, 1180 East Main Street, Horse Cave, KY 42749, at 1:30 p.m., local time, Wednesday July 10, 2019



By:   
 R. Vaughn Williams, P.E.

  
 Date

# **EXHIBIT 7**



**Kenvirons, Inc.**

770 Wilkinson Blvd. • Frankfort, KY 40601 • Phone: (502) 695-4357 • Fax: (502) 695-4363  
*Civil & Environmental Engineering and Laboratory Services*

August 9, 2019

Phillip Doyle, Chairman  
Green River Valley Water District  
PO Box 460  
1180 East Main Street  
Horse Cave, KY 42749

RE: Water Treatment Plant Expansion

Dear Mr. Doyle:

A Preliminary Engineering Report (PER) dated April 2016 describes, in detail, the scope and need for the Water Treatment Plant Expansion (WTP) Project. The report concluded that expansion of the WTP from 6.0 to 8.0 mgd is the most economical and environmentally sound alternative for meeting the Water District's future needs and that an application should be made to USDA Rural Development (RD) to fund the project. The PER is included herewith by reference.

Four bids were received for the project on July 10, 2019. The bids ranged in price from \$9,715,000 to \$12,940,900 and the low bidder was Judy Construction Company, Cynthiana, Kentucky. A copy of the certified bid tabulations is attached.

The construction bids for the project exceeded the funding outlined in the RD Letter of Conditions and additional funding was requested from RD to make up the shortfall. A Final Engineering Report was prepared on July 19, 2019 that included the revised project budget and potential RD funding. The revised project budget is as follows:

<u>Budget Item</u>	<u>RD Letter of Conditions</u>	<u>Revised Project Cost</u>
Development	\$6,335,000	\$9,715,000
Engineering	722,000	1,045,300
Environmental	20,000	20,000
Other	40,000	20,700
Legal	43,000	56,700
Interest	280,000	281,500
Contingencies	560,000	485,800
	<u>\$8,000,000</u>	<u>\$11,625,000</u>



KENVIRONS

On August 6, 2019, Rural Development amended its Letter of Conditions and provided the additional funding for the project. The funding stipulated a loan(s) in the amount of \$8,137,500 and grant in the amount of \$3,487,500. The amendment also stipulated the user rates be increased as follows;

<u>Gallons Per Month</u>					
First	2,000	gallons @ \$	22.10	Minimum Bill	
Next	8,000	gallons @ \$	5.95	per 1,000 gallons	
Next	20,000	gallons @ \$	4.85	per 1,000 gallons	
All Over	30,000	gallons @ \$	3.85	per 1,000 gallons	

Wholesale Customers: \$2.59 per 1,000 gallons

## RECOMMENDATIONS

1. The bid amounts for the project are in the acceptable range for the types of work involved. The contractor, Judy Construction Company, that submitted the low bid has completed several projects for Kenvirons in the past and is highly recommended for this project.
2. It is recommended that Contract 1: Water Treatment Plant Expansion be awarded to Judy Construction Co., Inc. in the amount of \$9,715,000.
3. Proceed with the application to the Public Service Commission for authorization to construct the facilities and adjust the rates.

Sincerely,

R. Vaughn Williams, P.E.  
President

**BID TABULATIONS**

**PROJECT:** Green River Valley Water District  
Water Treatment Plant Expansion  
**LOCATION:** Hart County, Kentucky  
**BID DATE:** July 10, 2019

KENVIRONS, INC  
770 Wilkinson Blvd  
Frankfort, KY 40601  
Tel (502) 695-4357

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By:   
R. Vaughn Williams, P.E.

  
Date



# **EXHIBIT 8**



**Rural Development**

August 20, 2019

Kentucky State Office

771 Corporate Drive,  
Suite 200  
Lexington, KY  
40503

Voice 859.224.7300  
Fax 859.224.7425  
TTY 859.224.7422

**SUBJECT:** Green River Valley Water District  
WTP  
Contract Award Concurrence

**TO:** Area Office  
Elizabethtown, Kentucky

Based on the bids received and the recommendation of the consulting engineer, Rural Development concurs in the award of subject contract to the low bidder, Judy Construction, in the amount of \$9,715,000.

If you have any questions, please contact Julie Anderson, State Engineer, at (859) 224-7348.

Hilda G. Legg  
State Director  
Rural Development

cc: Kenvirons

USDA is an equal opportunity provider and employer.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form (PDF), found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).

# **EXHIBIT 9**

**PROVIDED SEPARATELY**

# **EXHIBIT 10**

# **EXHIBIT 10A**



September 13, 2016

Mr. Phillip Doyle, Chairman  
Green River Valley Water District  
P. O. Box 460  
Horse Cave, Kentucky 42749-0460

SUBJECT: Recipient Name: Green River Valley Water District  
Project Name: 2016 WTP Expansion

Dear Mr. Doyle:

This letter establishes conditions that must be understood and agreed to by you before further consideration may be given to the application. The loan and grant will be administered on behalf of the Rural Utilities Service (RUS) by the State and Area office staff of USDA Rural Development. Any changes in project cost, source of funds, scope of services or any other significant changes in the project or applicant must be reported to and approved by USDA Rural Development, by written amendment to this letter. Any changes not approved by Rural Development shall be cause for discontinuing processing of the application. It should also be understood that Rural Development is under no obligation to provide additional funds to meet an overrun in construction costs.

This letter is not to be considered as loan or grant approval or as a representation as to the availability of funds. The docket may be completed on the basis of a RUS loan not to exceed \$5,600,000 and a RUS grant not to exceed \$2,400,000. No applicant cash contribution will be required.

If Rural Development makes the loan, the interest rate will be the lower of the rate in effect at the time of loan approval or the rate in effect at the time of loan closing, unless the applicant otherwise chooses. The loan will be considered approved on the date a signed copy of Form RD 1940-1, "Request for Obligation of Funds," is mailed to you.

Please complete and return the attached Form RD 1942-46, "Letter of Intent to Meet Conditions," if you desire that further consideration be given to your application.

The "Letter of Intent to Meet Conditions" must be executed within three weeks from the date of this letter or it becomes invalid unless a time extension is granted by Rural Development.

If the conditions set forth in this letter are not met within 240 days from the date hereof, Rural Development reserves the right to discontinue the processing of the application. In signing Form RD 1942-46, "Letter of Intent to Meet Conditions," you are agreeing to complete the following as expeditiously as possible:

**Rural Development • Kentucky State Office**  
771 Corporate Drive, Suite 200, Lexington, Kentucky 40502  
Voice (859) 224-7300 • Fax (855) 661-8335 • TTY (859) 224-7422

USDA is an equal opportunity provider, employer and lender.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form (PDF), found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410; by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).

1. Number of Users and Their Contribution:

There shall be 6,848 residential and non-residential water users and 7 wholesale water users, of which all are existing users. The Area Director will review and authenticate the number of users and amount of connection fees prior to advertising for construction bids.

2. Grant Agreement:

Attached is a copy of RUS Bulletin 1780-12, "Water and Waste System Grant Agreement," for your review. You will be required to execute a completed form at the time of grant closing.

3. Drug-Free Work Place:

Prior to grant closing, the District will be required to execute Form AD-1049, "Certification Regarding Drug-Free Workplace Requirements (Grants) Alternative I - For Grantees Other Than Individuals."

4. Repayment Period:

The loan will be scheduled for repayment over a period not to exceed 40 years from the date of the Bond. Principal payment will not be deferred for a period in excess of 2 years from the date of the Bond. Payments will be in accordance with applicable KRS, which requires interest to be paid semi-annually (April and October) and principal will be due on or before the first of April. Rural Development may require the District to adopt a supplemental payment agreement providing for monthly payments of principal and interest so long as the bond is held or insured by RUS. Monthly payments will be approximate amortized installments.

5. Recommended Repayment Method:

Payments on this loan shall be made using the Preauthorized Debit (PAD) payment method. This procedure eliminates the need for paper checks and ensures timely receipt of RD loan payments. To initiate PAD payments, Form RD 3550-28, "Authorization Agreement for Preauthorized Payments," should be signed by the District to authorize the electronic withdrawal of funds from your designated bank account on the exact installment payment due date. The Area Director will furnish the necessary forms and further guidance on the PAD procedure.

6. Reserve Accounts:

Reserves must be properly budgeted to maintain the financial viability of any operation. Reserves are important to fund unanticipated emergency maintenance, pay for repairs, and assist with debt service should the need arise.

The District will be required to deposit \$1,840 per month into a "Funded Debt Reserve Account" until the account reaches \$220,800. The deposits are to be resumed any time the account falls below the \$220,800.

The required monthly deposits to the Reserve Account and required Reserve Account levels are in addition to the requirements of the District's prior bond ordinances.



The monthly deposits to the Reserve Account are required to commence with the first month of the first full fiscal year after the facility becomes operational.

The District also needs to fund an account for short-lived assets by depositing a sum of \$16,277 monthly into the account. The funds in the short-lived asset account may be used by the District as needed to replace or add short-lived assets in the District's utility systems.

7. Security Requirements:

A pledge of gross revenue(s) will be provided in the Bond Ordinance. Bonds shall rank on a parity with existing bonds, if possible.

If this is not possible, the bond will be subordinate and junior to the existing bonds, in which case the District will be required to abrogate its right to issue additional bonds ranking on a parity with the existing bonds, so long as any unpaid indebtedness remains on this bond issue. Additional security requirements are contained in [RUS Bulletin 1780-12, "Water and Waste System Grant Agreement," and RUS Bulletin 1780-27, "Loan Resolution Public Body." A draft of all security instruments, including, draft bond resolution, must be reviewed and concurred in by the Agency prior to advertising for bids. The Bond Resolution and Loan Resolution must be duly adopted and executed prior to loan closing. The Grant Agreement must be fully executed prior to the first disbursement of grant funds.

8. Land Rights and Real Property:

The District will be required to furnish satisfactory title, easements, etc., necessary to install, maintain and operate the facility to serve the intended users.

The pipelines will be on private rights-of-way where feasible. Easements and options are to be secured prior to advertising for construction bids.

9. Organization:

The District will be legally organized under applicable KRS, which will permit them to perform this service, borrow, or repay money.

The District must maintain a current registration of their Dun and Bradstreet Data Universal Numbering System (DUNS) number in SAM.gov (System for Award Management) in order to receive federal loan and/or grant financial assistance. This registration must be updated/renewed at least annually.

10. Business Operations:

The District will be required to operate the system under a well-established set of resolutions, rules and regulations. A budget must be established annually and adopted by the District after review by Rural Development. At no later than loan pre-closing, the District will be required to furnish a prior approved management plan to include, as a minimum, provisions for management, maintenance, meter reading, miscellaneous services, billing, collecting, delayed payment penalties, disconnect/reconnect fees, bookkeeping, making and delivering required reports and audits.

11. Conflict of Interest Policy:

Prior to obligation of funds, you will certify in writing that your organization has in place an up-to-date written policy on conflict of interest. The policy will include, at a minimum: (1) a requirement for those with a conflict/potential conflict to disclose the conflict/potential conflict, (2) a prohibition of interested members of the applicant's governing body from voting on any matter in which there is a conflict, and (3) a description of the specific process by which the governing body will manage identified or potential conflicts.

You must also submit a disclosure of planned or potential transactions related to the use of Federal funds that may constitute or present the appearance of personal or organizational conflict of interest. Sample conflict of interest policies may be found at the National Council of Nonprofits website, <https://www.councilofnonprofits.org/tools-resources/conflict-of-interest>, or in Internal Revenue Service Form 1023, Appendix A, "Sample Conflict of Interest Policy," at <http://www.irs.gov/pub/irs-pdf/i1023.pdf>. Though these examples reference non-profit corporations, the requirement applies to all types of Agency borrowers.

Disclosure must be in the form of a written letter signed and dated by the applicant's official. A negative disclosure of the same format is required if no conflicts are anticipated. Assistance in developing a conflict of interest policy is available through Agency-contracted technical assistance providers if desired.

12. Accounts, Records and Audits:

The District will be required to maintain adequate records and accounts and submit annual budgets and year-end reports (annual audits)/statistical and financial reports, quarterly and annually, in accordance with subsection 1780.47 of RUS Instruction 1780.

The District shall be required to submit a copy of its audit agreement for review and concurrence by Rural Development prior to pre-closing the loan.

The District shall obtain the assistance of its accountant to establish the District's accounting system. Rural Development review of the accounting system is required.

13. Accomplish Audits for Years in Which Federal Financial Assistance is Received:

The type of financial information that must be submitted is specified below:

Audits – An annual audit under the Single Audit Act is required if you expend \$750,000 or more in Federal financial assistance per fiscal year. The total Federal funds expended from all sources shall be used to determine Federal financial assistance expended. Expenditures of interim financing are considered Federal expenditures.

All audits are to be performed in accordance with 2 CFR Part 200, as adopted by USDA through 2 CFR Part 400. Further guidance on preparing an acceptable audit can be obtained from the Agency. It is not intended that audits required by this part be separate and apart from audits performed in accordance with State and local laws. To the extent feasible, the audit work should be done in conjunction with those audits. The audit must be prepared by an independent licensed Certified Public Accountant, or a State or

Federal auditor if allowed by State law, and must be submitted within 9 months of your fiscal year end.

14. Insurance and Bonding:

The following insurance and bonding will be required:

- A. Adequate Liability and Property Damage Insurance including vehicular coverage, if applicable, must be obtained and maintained by the District. The District should obtain amounts of coverage as recommended by its attorney, consulting engineer and/or insurance provider.
- B. Worker's Compensation - The District will carry worker's compensation insurance for employees in accordance with applicable state laws.
- C. Fidelity Bond - The District will provide Fidelity Bond Coverage for all persons who have access to funds. Coverage may be provided either for all individual positions or persons, or through "blanket" coverage providing protection for all appropriate employees and/or officials. The amount of coverage required for all RUS loans is \$608,000.
- D. Real Property Insurance - The District will obtain and maintain adequate fire and extended coverage on all structures including major items of equipment or machinery located in the structures.  
The amounts of coverage should be based on recommendations obtained by the District from its attorney, consulting engineer and/or insurance provider. Subsurface lift stations do not have to be covered except for the value of electrical and pumping equipment therein.
- E. Flood Insurance - The District will obtain and maintain adequate coverage on any facilities located in special flood and mudslide prone areas.

15. Planning and Performing Development:

- A. The engineer should not be authorized to commence work on final plans and specifications until a determination has been made that the project can be planned and constructed within the estimated cost shown in paragraph "28" of this letter. The engineer may then proceed to develop final plans and specifications to be completed no later than 210 days from this date, and prepare bid documents. The Area Director is prepared to furnish the necessary guide to follow so as to keep the project plans and documents within our guidelines and requirements. The project must be constructed by the design/bid/build method of construction. The project should not be advertised for construction bids until all easements and enforceable options have been obtained, and total funds are committed or available for the project.
- B. The following documents will be submitted to Rural Development for review and must be concurred in by Rural Development prior to advertisement for construction bids:
  - 1. Final plans, specifications and bid documents.
  - 2. Applicant's letter on efforts to encourage small business and minority-owned business participation.

3. Legal Service Agreements.
4. Engineering Agreements.

Revision in these documents will be subject to Rural Development concurrence. Any agreements, contracts, etc. not reviewed and approved by Rural Development will not be eligible for payment from project funds or revenues from facilities financed by this Agency.

Prior to receipt of an authorization to advertise for construction bids, the District will obtain advance clearance from Bond Counsel and/or Local Counsel regarding compliance with KRS 424 pertaining to publishing of the advertisement for construction bids in local newspapers and the period of time the notice is required to be published.

16. Bid Tabulation:

Immediately after bid opening, you must provide the Agency with the bid tabulation and your engineer's evaluation of bids and recommendations for contract awards. If the Agency agrees that the construction bids received are acceptable, adequate funds are available to cover the total project costs, and all the requirements of this letter have been satisfied, the Agency will authorize you to issue the Notice of Award.

- A. Cost Overruns – If bids are higher than expected, or if unexpected construction problems are encountered, you must utilize all options to reduce cost overruns. Negotiations, redesign, use of bidding alternatives, rebidding or other means will be considered prior to commitment of subsequent funding by the Agency. Any requests for subsequent funding to cover cost overruns will be contingent on the availability of funds.

Cost overruns exceeding 20% of the development cost at time of loan or grant approval or where the scope of the original purpose has changed will compete for funds with all other applications on hand as of that date.

- B. Excess Funds – If bids are lower than anticipated at time of obligation, excess funds must be de-obligated prior to start of construction except in the cases addressed in this paragraph. In cases where the original PER for the project included items that were not bid, or were bid as an alternate, the State Office official may modify the project to fully utilize obligated funds for those items. Amendments to the PER, ER, and letter of conditions may be needed for any work not included in the original project scope. In all cases, prior to start of construction, excess funds will be de-obligated, with grant funds being de-obligated first. Excess funds do not include contingency funds as described in this letter.

17. Contract Documents, Final Plans, and Specifications:

- A. The contract documents must consist of the EJCDC construction contract documents as indicated in RUS Bulletin 1780-26 or other Agency-approved forms of agreement.
- B. The contract documents, final plans, and specifications must comply with RUS Instruction 1780, Subpart C – Planning, Designing, Bidding, Contracting, Constructing and Inspections, and must be submitted to the Agency for concurrence prior to

advertising for bids along with an updated cost estimate. The Agency may require another updated cost estimate if a significant amount of time elapses between the original submission and advertising for bids.

- C. The use of any procurement method other than competitive sealed bids must be requested in writing and approved by the Agency.

18. Contract Review:

Your attorney will certify that the executed contract documents, including performance and payment, if required, are adequate and that the persons executing these documents have been properly authorized to do so in accordance with RUS Instruction 1780.61 (b).

19. Civil Rights & Equal Opportunity:

You should be aware of and will be required to comply with other federal statute requirements including but not limited to:

A. Section 504 of the Rehabilitation Act of 1973:

Under Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), no handicapped individual in the United States shall, solely by reason of their handicap, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Rural Development financial assistance.

B. Civil Rights Act of 1964:

All borrowers are subject to, and facilities must be operated in accordance with, Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.) and Subpart E of Part 1901 of this Title, particularly as it relates to conducting and reporting of compliance reviews.

Instruments of conveyance for loans and/or grants subject to the Act must contain the covenant required by paragraph 1901.202(e) of this Title.

C. The Americans with Disabilities Act (ADA) of 1990:

This Act (42 U.S.C. 12101 et seq.) prohibits discrimination on the basis of disability in employment, state and local government services, public transportation, public accommodations, facilities, and telecommunications. Title II of the Act applies to facilities operated by state and local public entities that provide services, programs, and activities. Title III of the Act applies to facilities owned, leased, or operated by private entities that accommodate the public.

D. Age Discrimination Act of 1975:

This Act (42 U.S.C. 6101 et seq.) provides that no person in the United States shall, on the basis of age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

E. Limited English Proficiency (LEP) under Executive Order 13166:

LEP statutes and authorities prohibit exclusion from participation in, denial of benefits of, and discrimination under Federally-assisted and/or conducted programs on the ground of race, color, or national origin. Title VI of the Civil Rights Act of 1964 covers program access for LEP persons.

LEP persons are individuals who do not speak English as their primary language and who have a limited ability to read, speak, write, or understand English. These individuals may be entitled to language assistance, free of charge. You must take reasonable steps to ensure that LEP persons receive the language assistance necessary to have meaningful access to USDA programs, services, and information your organization provides. These protections are pursuant to Executive Order 13166 entitled, "Improving Access to Services by Persons with Limited English Proficiency" and further affirmed in the USDA Departmental Regulation 4330-005, "Prohibition Against National Origin Discrimination Affecting Persons with Limited English Proficiency in Programs and Activities Conducted by USDA."

Agency financial programs must be extended without regard to race, color, religion, sex, national origin, marital status, age, or physical or mental handicap. You must display posters (provided by the Agency) informing users of these requirements, and the Agency will monitor your compliance with these requirements during compliance reviews.

20. Closing Instructions:

The Office of General Counsel, our Regional Attorney, will be required to write closing instructions in connection with this loan. Conditions listed therein must be met by the District.

21. Compliance with Special Laws and Regulations:

The District will be required to conform to any and all state and local laws and regulations affecting this type project.

22. Treatment Plant and System Operator:

The District is reminded that the water treatment plant and water system operator must have an Operator's Certificate issued by the State.

23. Prior to Pre-Closing the Loan, the District Will Be Required to Adopt:

- A. Form RUS Bulletin 1780-27, "Loan Resolution (Public Bodies)."
- B. Form RD 400-1, "Equal Opportunity Agreement."
- C. Form RD 400-4, "Assurance Agreement."
- D. Form AD-1047, "Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transaction."

- E. Form RD 1910-11, "Applicant Certification Federal Collection Policies for Consumer or Commercial Debts."
- F. RD Instruction 1940-Q, Exhibit A-1, "Certification for Contracts, Grants and Loans."
- G. RUS Bulletin 1780-22, "Eligibility Certification."

24. Refinancing and Graduation Requirements:

The District is reminded that if at any time it shall appear to the Government that the District is able to refinance the amount of the RUS indebtedness then outstanding, in whole or in part, by obtaining a loan from commercial sources at reasonable rates and terms, upon the request of the Government, the District will apply for and accept such loan in sufficient amount to repay the Government.

25. Commercial Interim Financing:

The District will be required to use commercial interim financing for the project during construction for the RUS loan portion of the financing, if available at reasonable rates and terms.

*KRWF 5.6 Million Dollars*

Before the loan is closed, the District will be required to provide Rural Development with statements from the contractor, engineer and attorneys that they have been paid to date in accordance with their contract or other agreements and, in the case of the contractor, that he has paid his suppliers and sub-contractors.

26. Disbursement of Project Funds:

A construction account for the purpose of disbursement of project funds (RUS) will be established by the District prior to start of construction. The position of officials entrusted with the receipt and disbursement of RUS project funds will be covered by a "Fidelity Bond," with USDA Rural Development as Co-Obligee, in the amount of construction funds on hand at any one time during the construction phase.

For each "construction account" as established, if the amount of RUS loan and grant funds plus any applicant contributions or funds from other sources to be deposited into the account are expected to exceed \$250,000 at any time, the financial institution will secure the amount in excess of \$250,000 by pledging collateral with the Federal Reserve Bank in an amount not less than the excess in accordance with 7 CFR, 1902.7(a).

Agency funds will be disbursed into the construction account through an electronic transfer system. The borrower should complete Form SF-3881, "Electronic Funds Transfer Payment Enrollment Form," for each account where funds will be electronically received. The completed form(s) must be received by Rural Development at least thirty (30) days prior to the first advance of funds.

Monthly audits of the District's construction account records shall be made by Rural Development.

Borrowers receiving federal loan and/or grant funds by EFT will have funds directly deposited to a specified account at a financial institution with funds being available to the recipient on the date of payment.

Any applicant contribution will be the first funds expended, followed by other funding sources. Interim financing or Agency loan funds will be expended after all other funding sources unless an agreement is reached with all other funding sources on how funds are to be disbursed prior to start of construction or loan closing, whichever occurs first. Interim financing funds or Agency loan funds must be used prior to the use of Agency grant funds. The Grant funds must not be disbursed prior to loan funds except as specified in RUS Instruction 1780.45 (d). In the unlikely event the Agency mistakenly disburses funds, the funds will be remitted back to the Agency electronically.

During construction, the District shall disburse project funds in a manner consistent with subsection 1780.76 (e) of RUS Instruction 1780. Form RD 1924-18, "Partial Payment Estimate," or similar form approved by Rural Development, shall be used for the purpose of documenting periodic construction estimates, and shall be submitted to Rural Development for review and acceptance. Prior to disbursement of funds by the District, the District Council shall review and approve each payment estimate. All bills and vouchers must be approved by Rural Development prior to payment by the District. Form RD 440-11, "Estimate of Funds Needed for 30-Day Period Commencing \_\_\_\_\_," will be prepared by the District and submitted to Rural Development in order that a periodic advance of federal cash may be requested.

27. Disbursement of Grant Funds:

The RUS funds will be advanced as they are needed in the amount(s) necessary to cover the RUS proportionate share of obligations due and payable by the District.

Grant funds are to be deposited in an interest bearing account in accordance with 2 CFR part 200 and interest in excess of \$500 per year remitted to the Agency. The funds should be disbursed by the recipient immediately upon receipt and there should be little interest accrual on the Federal funds. Recipients shall maintain advances of Federal funds in interest-bearing account, unless:

- a. The recipient receives less than \$120,000 in Federal awards per year.
- b. The best reasonably available interest-bearing account would not be expected to earn interest in excess of \$500 per year on Federal cash balances.
- c. The depository would require an average or minimum balance so high that it would not be feasible within the expected Federal and non-Federal cash resources.
- d. A foreign government or banking system prohibits or precludes interest-bearing accounts.



28. Project Budget:

Estimated expenditures are as follows:

Project Costs:

Development	\$6,335,000
Legal and Administrative	43,000
Engineering Fees	722,000
Interest	280,000
Contingencies	560,000
GIS, Environmental, Etc.	<u>60,000</u>
<b>TOTAL PROJECT COST</b>	<b>\$8,000,000</b>

Project Funding:

RUS Loan	\$5,600,000
RUS Grant	<u>2,400,000</u>
<b>TOTAL FUNDING</b>	<b>\$8,000,000</b>

Any changes in funding sources following obligation of Agency funds must be reported to the processing official. Project feasibility and funding will be reassessed if there is a significant change in project costs after bids are received. If actual project costs exceed the project cost estimates, an additional contribution by the Owner may be necessary. Prior to advertisement for construction bids, you must provide evidence of applicant contributions and approval of other funding sources. This evidence should include a copy of the commitment letter. Agency funds will not be used to pre-finance funds committed to the project from other sources.

Obligated loan or grant funds not needed to complete the proposed project will be de-obligated prior to start of construction. Any reduction will be applied to grant funds first. An amended letter of conditions will be issued for any changes to the total project budget.

29. Construction Completion Timeframe:

All projects are required to be completed and all funds disbursed within five years of obligation. If funds are not disbursed within five years of obligation, you must submit a written waiver request with adequate justification of extenuating circumstances beyond your control for an extension of time. Any additional requests for waivers beyond the initial extension will be submitted through the State Office to the Assistant Administrator for concurrence decision.

30. Use of Remaining Project Funds:

The applicant contribution shall be considered as the first funds expended. After providing for all authorized costs, any remaining project funds will be considered to be RUS loan funds and refunded in proportion to participation in the project. If the amount of unused project funds exceeds the grants, that part would be RUS loan funds.

31. Proposed Operating Budget:

You will be required to submit to Rural Development a copy of your proposed annual operating budget that supports the proposed loan repayment prior to this agency giving you written authorization to proceed with the bidding phase. The operating budget should be based on a typical year cash flow, subject to completion of this project in the first full year of operation. Form RD 442-7, "Operating Budget," or similar form may be utilized for this purpose.

32. Rates and Charges:

Rates and charges for facilities and services rendered by the District must be at least adequate to meet cost of maintaining, repairing and operating the water system and meeting required principal and interest payments and the required deposits to debt service and/or depreciation reserve.

Water rates will be at least:

First	2,000	gallons @ \$	18.88 - Minimum Bill.
Next	8,000	gallons @ \$	5.17 – per 1,000 gallons.
Next	10,000	gallons @ \$	4.31 – per 1,000 gallons.
Next	30,000	gallons @ \$	3.72 – per 1,000 gallons.
Next	50,000	gallons @ \$	3.36 – per 1,000 gallons.
All Over	100,000	gallons @ \$	\$3.25 – per 1,000 gallons.

Wholesale rates will be at least \$2.45 – per 1,000 gallons.

33. Water Purchase Contract:

The District will submit a Water Purchase Contract for approval by Rural Development before advertising for construction bids. If the contract is not on Form RD 442-30, "Water Purchase Contract," the contract will require approval by our Regional Attorney. The contract must meet the requirements of subsection 1780.62 of RUS Instruction 1780.

34. Vulnerability Assessment/Emergency Response Plan (VA/ERP):

The Agency requires all financed water and wastewater systems to have a VA/ERP in place. Borrowers with existing systems must provide a certification that a VA/ERP has been completed prior to advertising for bids. The documents are not submitted to the Agency for VA/ERP requirements throughout the life of the loan.

35. Floodplain Construction:

The District will be required to pass and adopt a Resolution or amend its By-Laws whereby the District will deny any water service to any future customer wishing to build on or develop property located within a designated floodplain.

If a customer or developer requests service for construction in a designated floodplain, the customer or developer must provide evidence and a justification for approval by the District and Rural Development officials that there are no other alternatives to construction or development within the designated floodplain. The community must be a

participant in the National Flood Insurance Program (NFIP) and the customer or developer must obtain the required permits prior to the tap on restrictions being waived.

36. Water Withdrawal Permit:

The District will be required to obtain satisfactory evidence that a revised water withdrawal permit has been secured from the Division of Water. The permit must be obtained prior to the commencement of construction on the water project.

37. Division of Water (DOW) Health & Sanitary Certification:

The Median Household Income (MHI) for the District's service area qualifies this project for the poverty interest rate. A certification from the Division of Water stating this project will remove a health or sanitary problem will be required. This certification must be obtained prior to loan pre-closing.

38. Mitigation Measures:

- A. The project shall be in compliance with all requirements noted in the Governor's Office for Local Development letter dated January 6, 2016, from Ms. Lee Nalley.
- B. The line design and construction shall be accomplished in a way that will leave flood plains and farmland without effect after construction is complete. The Army Corps of Engineers Nationwide Permit No. 12 applies to all floodplain and wetland utility line construction. Directional bores are required on creek crossings if there is no 404 permit available for crossings.
- C. Engineer is responsible for flood proofing the plant in the design. The 500-year flood plain must be shown on the drawings with the spot elevations showing on the site plan.
- D. Any excavation by Contractor that uncovers a historical or archaeological artifact shall be immediately reported to Owner and a representative of Agency. Construction shall be temporarily halted pending the notification process and further directions issued by Agency after consultation with the State Historic Preservation Officer (SHPO).
- E. The design and construction shall be in compliance with all local, state and federal environmental statutes, regulations and executive orders applicable to the project.
- F. Best Management Practices shall be incorporated into the project design, construction, and maintenance.

39. System for Award Management:

You will be required to maintain a Dun and Bradstreet Data Universal Numbering System (DUNS) number and maintain an active registration in the System for Award Management (SAM) database. Renewal can be done on-line at: <http://sam.gov>.

This registration must be renewed and revalidated every twelve (12) months for as long as there are Agency funds to be expended.

To ensure the information is current, accurate and complete, and to prevent the SAM account expiration, the review and updates must be performed within 365 days of the activation date, commonly referred to as the expiration date. The registration process may take up to 10 business days. (See 2 CFR Part 25 and the "Help" section at <http://sam.gov>).

40. Prepayment and Extra Payments:

Prepayments of scheduled installments, or any portion thereof, may be made at any time at the option of borrower, with no penalty.

Security instruments, including bonding documents, must contain the following language regarding extra payments, unless prohibited by State statute:

*Prepayments of scheduled installments, or any portion thereof, may be made at any time at the option of the borrower. Refunds, extra payments and loan proceeds obtained from outside sources for the purpose of paying down the Agency debt, shall, after payment of interest, be applied to the installments last to become due under this note and shall not affect the obligation of borrower to pay the remaining installments as scheduled in your security instruments.*

41. Security/Operational Inspections:

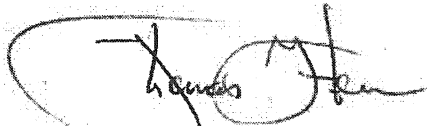
The Agency will inspect the facility and conduct a review of your operations and records management system and conflict of interest policy every three years for the life of the loan. You must participate in these inspections and provide the required information.

42. Final Approval Conditions:

Final approval of this assistance will depend on your willingness, with the assistance of all your co-workers, to meet the conditions of this letter in an orderly and systematic manner. Then too, final approval will depend on funds being available.

If you desire to proceed with your application, the Area Director will allot a reasonable portion of time to provide guidance in application processing.

Sincerely,



THOMAS G. FERN  
State Director

Enclosures

- cc: Area Director – Columbia, Kentucky  
Area Manager – Elizabethtown, Kentucky  
Lincoln Trail ADD – Elizabethtown, Kentucky  
Hensley & Ross – Radcliff, Kentucky  
William Davis – Louisville, Kentucky  
Kenvirons – Frankfort, Kentucky

3/30

[REDACTED]

SAMPLE

August 15, 2016

Ms. Linda S. Luckett  
Area Specialist  
Rural Development  
250 Sportsman Lake Road  
Elizabethtown, Kentucky 42701

**SUBJECT: Conflict of Interest Policy Certification**

Dear Ms. Luckett;

Please let this letter serve as certification that [REDACTED] ("District") has an up to date policy on Conflict of Interest. This is within our Board's Governance & Policy Manual, Policy 200-1.3 which was adopted 11-July-2011.

The District also certifies that there are no planned or potential transactions related to the use of Federal funds which may constitute or present the appearance of a personal or organizational conflict of interest.

Please let me know if you need any additional information or a copy of our Board's policy.

Sincerely,

[REDACTED]  
[REDACTED]  
General Manager  
[REDACTED]

CF; [REDACTED]  
[REDACTED] 7D1

[REDACTED]

# **EXHIBIT 10B**

**LETTER OF INTENT TO MEET CONDITIONS**

Date 09-22-2016

TO: United States Department of Agriculture  
RURAL DEVELOPMENT

\_\_\_\_\_  
(Name of USDA Agency)

250 Sportsman Lake Road  
Elizabethtown, KY 42701

\_\_\_\_\_  
(USDA Agency Office Address)  
\_\_\_\_\_

We have reviewed and understand the conditions set forth in your letter dated 09-13-2016 . It is our intent to meet all of them not later than 05-13-2017 .

Green River Valley Water District  
\_\_\_\_\_

BY Phillip Doyle (Name of Association)

Phillip Doyle, Chairman  
\_\_\_\_\_

(Title)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a persons is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0575-0015 and 0570-0062. The time required to complete this information collection is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data. needed, and completing and reviewing the collection of information.

# **EXHIBIT 10C**



REQUEST FOR OBLIGATION OF FUNDS

<b>INSTRUCTIONS-TYPE IN CAPITALIZED ELITE TYPE IN SPACES MARKED ( )</b> Complete Items 1 through 29 and applicable Items 30 through 34. See FMI.			
<b>1. CASE NUMBER</b> ST CO BORROWER ID 20-050-*****5759		<b>LOAN NUMBER</b>	<b>FISCAL YEAR</b>
<b>2. BORROWER NAME</b> Green River Valley Water District		<b>3. NUMBER NAME FIELDS</b> (1, 2, or 3 from Item 2)	
		<b>4. STATE NAME</b> Kentucky	
		<b>5. COUNTY NAME</b> Hart	
<b>GENERAL BORROWER/LOAN INFORMATION</b>			
<b>6. RACE/ETHNIC CLASSIFICATION</b> 1 - WHITE 2 - BLACK 3 - AI/AN 4 - HISPANIC 5 - API	<b>7. TYPE OF APPLICANT</b> 1 - INDIVIDUAL 2 - PARTNERSHIP 3 - CORPORATION 4 - PUBLIC BODY 5 - ASSOC. OF FARMERS 6 - ORG. OF FARMERS 7 - NONPROFIT-SECULAR 8 - NONPROFIT-FAITH BASED 9 - INDIAN TRIBE 10 - PUBLIC COLLEGE/UNIVERSITY 11 - OTHER		<b>8. COLLATERAL CODE</b> 1 - REAL ESTATE SECURED 2 - REAL ESTATE AND CHATTEL 3 - NOTE ONLY OR CHATTEL ONLY 4 - MACHINERY ONLY 5 - LIVESTOCK ONLY 6 - CROPS ONLY 7 - SECURED BY BONDS 8 - RLF ACCT
<b>9. EMPLOYEE RELATIONSHIP CODE</b> 1 - EMPLOYEE 2 - MEMBER OF FAMILY 3 - CLOSE RELATIVE 4 - ASSOC	<b>10. SEX CODE</b> 1 - MALE 2 - FEMALE 3 - FAMILY UNIT 4 - ORGAN MALE OWNED 5 - ORGAN FEMALE OWNED 6 - PUBLIC BODY	<b>11. MARITAL STATUS</b> 1 - MARRIED 2 - SEPARATED 3 - UNMARRIED (INCLUDES WIDOWED/DIVORCED)	<b>12. VETERAN CODE</b> 1 - YES 2 - NO
<b>13. CREDIT REPORT</b> 1 - YES 2 - NO	<b>14. DIRECT PAYMENT</b> 3 (See FMI)	<b>15. TYPE OF PAYMENT</b> 1 - MONTHLY 2 - ANNUALLY 3 - SEMI-ANNUALLY 4 - QUARTERLY	<b>16. FEE INSPECTION</b> 1 - YES 2 - NO
<b>17. COMMUNITY SIZE</b> 1 - 10 000 OR LESS (FOR SFH AND HPG ONLY) 2 - OVER 10,000		<b>18. USE OF FUNDS CODE</b> (See FMI)	
<b>COMPLETE FOR OBLIGATION OF FUNDS</b>			
<b>19. TYPE OF ASSISTANCE</b> 067 (See FMI)	<b>20. PURPOSE CODE</b>	<b>21. SOURCE OF FUNDS</b>	<b>22. TYPE OF ACTION</b> 1 - OBLIGATION ONLY 2 - OBLIGATION/CHECK REQUEST 3 - CORRECTION OF OBLIGATION
<b>23. TYPE OF SUBMISSION</b> 1 - INITIAL 2 - SUBSEQUENT	<b>24. AMOUNT OF LOAN</b> \$5,600,000.00	<b>25. AMOUNT OF GRANT</b> \$2,400,000.00	
<b>26. AMOUNT OF IMMEDIATE ADVANCE</b>	<b>27. DATE OF APPROVAL</b> MO DAY YR 09 22 16	<b>28. INTEREST RATE</b> 2.2500 %	<b>29. REPAYMENT TERMS</b> 40
<b>COMPLETE FOR COMMUNITY PROGRAM AND CERTAIN MULTIPLE-FAMILY HOUSING LOANS</b>			
<b>30. PROFIT TYPE</b> 1 - FULL PROFIT 2 - LIMITED PROFIT 3 - NONPROFIT			
<b>COMPLETE FOR EM LOANS ONLY</b>		<b>COMPLETE FOR CREDIT SALE-ASSUMPTION</b>	
<b>31. DISASTER DESIGNATION NUMBER</b> (See FMI)	<b>32. TYPE OF SALE</b> 1 - CREDIT SALE ONLY 2 - ASSUMPTION ONLY 3 - CREDIT SALE WITH SUBSEQUENT LOAN 4 - ASSUMPTION WITH SUBSEQUENT LOAN		
<b>FINANCE OFFICE USE ONLY</b>		<b>COMPLETE FOR FP LOANS ONLY</b>	
<b>33. OBLIGATION DATE</b> MO DA YR	<b>34. BEGINNING FARMER/RANCHER</b> (See FMI)		

If the decision contained above in this form results in denial, reduction or cancellation of USDA assistance, you may appeal this decision and have a hearing or you may request a review in lieu of a hearing. Please use the form we have included for this purpose.

Position 2

ORIGINAL - Borrower's Case Folder

COPY 1 - Finance Office

COPY 2 - Applicant/Lender

COPY 3 - State Office

CERTIFICATION APPROVAL

For All Farmers Programs

EM, OL, FO, and SW Loans

This loan is approved subject to the availability of funds. If this loan does not close for any reason within 90 days from the date of approval on this document, the approval official will request updated eligibility information. The undersigned loan applicant agrees that the approval official will have 14 working days to review any updated information prior to submitting this document for obligation of funds. If there have been significant changes that may affect eligibility, a decision as to eligibility and feasibility will be made within 30 days from the time the applicant provides the necessary information.

If this is a loan approval for which a lien and/or title search is necessary, the undersigned applicant agrees that the 15-working-day loan closing requirement may be exceeded for the purposes of the applicant's legal representative completing title work and completing loan closing.

35. COMMENTS AND REQUIREMENTS OF CERTIFYING OFFICIAL

Approval of financial assistance is subject to the provisions of the Letter of Conditions dated 9/13/16, and any amendments thereto.

*9/22/16 Obligation entered over terminal @ 2:32 pm ad*

36. I HEREBY CERTIFY that I am unable to obtain sufficient credit elsewhere to finance my actual needs at reasonable rates and terms, taking into consideration prevailing private and cooperative rates and terms in or near my community for loans for similar purposes and periods of time. I agree to use the sum specified herein, subject to and in accordance with regulations applicable to the type of assistance indicated above, and request payment of such sum. I agree to report to USDA any material adverse changes, financial or otherwise, that occur prior to loan closing. I certify that no part of the sum specified herein has been received. I have reviewed the loan approval requirements and comments associated with this loan request and agree to comply with these provisions.

(For FP loans at eligible terms only) If this loan is approved, I elect the interest rate to be charged on my loan to be the lower of the interest rate in effect at the time of loan approval or loan closing. If I check "NO", the interest rate charged on my loan will be the rate specified in Item 28 of this form.        YES        NO

**WARNING:** Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be fined under this title or imprisoned not more than five years, or both."

Date 9/22/16, 20 16

*Phillip Doyle*  
Phillip Doyle, Chairman  
*(Signature of Applicant)*

Date \_\_\_\_\_, 20 \_\_\_\_\_

*(Signature of Co-Applicant)*

37. I HEREBY CERTIFY that all of the committee and administrative determinations and certifications required by regulations prerequisite to providing assistance of the type indicated above have been made and that evidence thereof is in the docket, and that all requirements of pertinent regulations have been complied with. I hereby approve the above-described assistance in the amount set forth above, and by this document, subject to the availability of funds, the Government agrees to advance such amount to the applicant for the purpose of and subject to the availability prescribed by regulations applicable to this type of assistance.

*Thomas G. Fern*  
*(Signature of Approving Official)*

Typed or Printed Name: Thomas G. Fern

Date Approved: 9/22/16

Title: State Director

38. TO THE APPLICANT: As of this date 9/30/16 ad, this is notice that your application for financial assistance from the USDA has been approved, as indicated above, subject to the availability of funds and other conditions required by the USDA. If you have any questions contact the appropriate USDA Servicing Office.

# **EXHIBIT 11**

# **EXHIBIT 11A**



United States Department of Agriculture

Rural Development

August 6, 2019

Kentucky State Office

771 Corporate Drive,  
Suite 200  
Lexington, KY  
40503

Phillip Doyle, Chairman  
Green River Valley Water District  
P.O. Box 460  
Horse Cave, Kentucky 42749

Voice 859.224.7300  
Fax 855.661.8335  
TTY 859.224.7422

Re: Letter of Conditions Dated September 13, 2016

Dear Chairman Doyle:

This letter shall serve as Amendment No. 1 to the Letter of Conditions dated 09/13/2016. The purpose of this amendment is to provide additional funding to cover the increased costs after bids were received.

The second paragraph on Page 1 is revised to read as follows:

"This letter is not to be considered as loan and/or grant approval or as a representation as to the availability of funds. The docket may be completed on the basis of a RUS loan not to exceed \$8,062,000 (\$5,600,000 initial and \$2,462,000 subsequent) and a RUS grant not to exceed \$3,563,000 (\$2,400,000 initial and \$1,163,000 subsequent). There will be no applicant cash contribution."

Paragraph numbered "6" is revised to read as follows:

**"6. Reserve Accounts:**

Reserves must be properly budgeted to maintain the financial viability of any operation. Reserves are important to fund unanticipated emergency maintenance, pay for repairs, and assist with debt service should the need arise.

The District will be required to deposit \$2,670 per month into a "Funded Debt Reserve Account" until the account reaches \$320,400. The deposits are to be resumed any time the account falls below the \$320,400.

The required monthly deposits to the Reserve Account and required Reserve Account levels are in addition to the requirements of the District's prior bond ordinances.

The monthly deposits to the Reserve Account are required to commence with the first month of the first full fiscal year after the facility becomes operational.

USDA is an equal opportunity provider, employer and lender.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form (PDF), found online at [http://www.sacr.usda.gov/complaint\\_filing\\_cy18.html](http://www.sacr.usda.gov/complaint_filing_cy18.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).

The District also needs to fund an account for short-lived assets by depositing a sum of \$38,570 monthly into the account. The funds in the short-lived asset account may be used by the District as needed to replace or add short-lived assets in the District's water system."

Paragraph numbered "14" is revised to read as follows:

"14. Insurance and Bonding:

The following insurance and bonding will be required:

- C. Fidelity Bond – The District will provide Fidelity Bond Coverage for all persons who have access to funds. Coverage may be provided either for all individual positions or persons, or through "blanket" coverage providing protection for all appropriate employees and/or officials. The amount of coverage required for all RUS loans is \$710,000."

Paragraph numbered "28" is revised to read as follows:

"28. Cost of Facility:

Breakdown of Costs:

Development	\$ 9,715,000
Legal and Administrative	56,700
Engineering	1,045,300
Interest	281,500
Other	40,700
Contingencies	<u>485,800</u>
TOTAL	\$ 11,625,000

Financing:

RUS Loan (Initial)	\$ 5,600,000
RUS Grant (Initial)	2,462,000
RUS Loan (subsequent)	2,400,000
RUS Grant (subsequent)	<u>1,163,000</u>
TOTAL	\$ 11,625,000

Paragraph numbered "32" is revised to read as follows:

**"32. Rates and Charges:**

Rates and charges for facilities and services rendered by the District must be at least adequate to meet cost of maintaining, repairing and operating the water system and meeting required principal and interest payments and the required deposits to debt service and/or depreciation reserve.

Water rates will be at least:

**Minimum Bills Based on Meter Size**

<u>Meter Size</u>	<u>Gals. Incl'd in Minimum</u>	<u>Minimum Monthly Bill</u>
5/8 x 3/4 in.	2,000	\$22.10
1 in.	5,000	\$39.95
1-1/2 in.	10,000	\$69.70
2 in.	15,000	\$93.95

**Rates for Water Usage in Addition to Minimum**

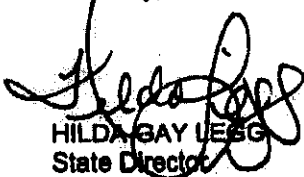
**No. of Gallons per Month**

First	2,000 gallons @ \$22.10. - Minimum Bill.
Next	8,000 gallons @ \$ 5.95. - per 1,000 gallons.
Next	20,000 gallons @ \$ 4.85. - per 1,000 gallons.
All Over	30,000 gallons @ \$ 3.85. - per 1,000 gallons.

Wholesale Customers: \$2.59 per 1,000 gallons.

All other provisions of the referenced Letter of Conditions remain in full force and unchanged.

Sincerely,

  
 HILDA GAY UEEG  
 State Director

cc: Field Director - Morehead, Kentucky  
 Field Specialist - Elizabethtown, Kentucky  
 Lincoln Trail ADD - Elizabethtown, Kentucky  
 Hensley & Ross - Radcliff, Kentucky  
 William Davis - Louisville, Kentucky  
 William Davis - Louisville, Kentucky  
 PSC - ATTN: Talina Mathews - Frankfort, Kentucky

# **EXHIBIT 11B**



**LETTER OF INTENT TO MEET CONDITIONS**

Date 08-08-2019

TO: United States Department of Agriculture

Rural Development

\_\_\_\_\_  
(Name of USDA Agency)

250 Sportsman Lake Road  
Elizabethtown, KY 42701

\_\_\_\_\_  
(USDA Agency Office Address)  
\_\_\_\_\_

We have reviewed and understand the conditions set forth in your letter dated 09-13-2016\*. It is our intent to meet all of them not later than 05-13-2017.

\*AMENDMENT NO. 1 TO THE LETTER OF  
CONDITIONS DATED 09-13-2016.  
AMENDMENT NO. 1 IS DATED 08-06-2019.

Green River Valley Water District

BY *Phillip Doyle* (Name of Association)

Phillip Doyle, Chairman

\_\_\_\_\_  
(Title)

*According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a persons is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0575-0015 and 0570-0062. The time required to complete this information collection is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data. needed, and completing and reviewing the collection of information.*

# **EXHIBIT 11C**



United States Department of Agriculture

August 16, 2019

Mr. Phillip Doyle, Chairman  
Green River Valley Water District  
P. O. Box 460  
Horse Cave, Kentucky 42749

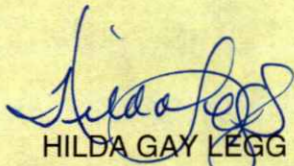
Dear Mr. Doyle:

We are enclosing Form RD 1940-1, "Request for Obligation of Funds," as notice that your application for financial assistance from Rural Development has been approved.

We are advised that the funds you requested are reserved in the amount(s) shown in Item(s) 24 and 25. The interest rate established for this loan is 2.75%.

If you have any questions concerning this reservation of funds, please contact the Area Specialist in Elizabethtown, Kentucky at 270/769-1555.

Sincerely,



HILDA GAY LEGG  
State Director

Enclosure

cc: Field Director  
Morehead, Ky.

Area Specialist  
Elizabethtown, Ky.

**Rural Development • Kentucky State Office**  
771 Corporate Drive, Suite 200, Lexington, Kentucky 40502  
Voice (859) 224-7300 • Fax (859) 224-4748 • TTY (859) 224-7422

USDA is an equal opportunity provider and employer.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form (PDF), found online at [http://www.ascr.usda.gov/complaint\\_filing\\_cust.html](http://www.ascr.usda.gov/complaint_filing_cust.html), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).

REQUEST FOR OBLIGATION OF FUNDS

<b>INSTRUCTIONS-TYPE IN CAPITALIZED ELITE TYPE IN SPACES MARKED ( )</b> Complete Items 1 through 29 and applicable Items 30 through 34. See FMI.			
<b>1. CASE NUMBER</b> ST CO BORROWER ID 20-050-615505601		<b>LOAN NUMBER</b>	<b>FISCAL YEAR</b>
<b>2. BORROWER NAME</b> Green River Valley Water District		<b>3. NUMBER NAME FIELDS</b> (1, 2, or 3 from Item 2)	
		<b>4. STATE NAME</b> Kentucky	
		<b>5. COUNTY NAME</b> Hart	
<b>GENERAL BORROWER/LOAN INFORMATION</b>			
<b>6. RACE/ETHNIC CLASSIFICATION</b> 1 - WHITE 2 - BLACK 3 - AI/AN 4 - HISPANIC 5 - API	<b>7. TYPE OF APPLICANT</b> 1 - INDIVIDUAL 2 - PARTNERSHIP 3 - CORPORATION 4 - PUBLIC BODY 5 - ASSOC OF FARMERS 6 - ORG OF FARMERS 7 - NONPROFIT-SECULAR 8 - NONPROFIT-FAITH BASED 9 - INDIAN TRIBE 10 - PUBLIC COLLEGE/UNIVERSITY 11 - OTHER		<b>8. COLLATERAL CODE</b> 1 - REAL ESTATE SECURED 2 - REAL ESTATE AND CHATTEL 3 - NOTE ONLY OR CHATTEL ONLY 4 - MACHINERY ONLY 5 - LIVESTOCK ONLY 6 - CROPS ONLY 7 - SECURED BY BONDS 8 - RLF ACCT
<b>9. EMPLOYEE RELATIONSHIP CODE</b> 1 - EMPLOYEE 2 - MEMBER OF FAMILY 3 - CLOSE RELATIVE 4 - ASSOC	<b>10. SEX CODE</b> 1 - MALE 2 - FEMALE 3 - FAMILY UNIT 4 - ORGAN MALE OWNED 5 - ORGAN FEMALE OWNED 6 - PUBLIC BODY	<b>11. MARITAL STATUS</b> 1 - MARRIED 2 - SEPARATED 3 - UNMARRIED (INCLUDES WIDOWED/DIVORCED)	<b>12. VETERAN CODE</b> 1 - YES 2 - NO
<b>13. CREDIT REPORT</b> 1 - YES 2 - NO	<b>14. DIRECT PAYMENT</b> 3 (See FMI)	<b>15. TYPE OF PAYMENT</b> 1 - MONTHLY 2 - ANNUALLY 3 - SEMI-ANNUALLY 4 - QUARTERLY	<b>16. FEE INSPECTION</b> 1 - YES 2 - NO
<b>17. COMMUNITY SIZE</b> 1 - 10 000 OR LESS (FOR SFH AND HPG ONLY) 2 - OVER 10,000		<b>18. USE OF FUNDS CODE</b> (See FMI)	
<b>COMPLETE FOR OBLIGATION OF FUNDS</b>			
<b>19. TYPE OF ASSISTANCE</b> 754 (See FMI)	<b>20. PURPOSE CODE</b>	<b>21. SOURCE OF FUNDS</b>	<b>22. TYPE OF ACTION</b> 1 - OBLIGATION ONLY 2 - OBLIGATION/CHECK REQUEST 3 - CORRECTION OF OBLIGATION
<b>23. TYPE OF SUBMISSION</b> 1 - INITIAL 2 - SUBSEQUENT	<b>24. AMOUNT OF LOAN</b> \$2,462,000.00	<b>25. AMOUNT OF GRANT</b> \$1,163,000.00	
<b>26. AMOUNT OF IMMEDIATE ADVANCE</b>	<b>27. DATE OF APPROVAL</b> MO DAY YR 08 08 19	<b>28. INTEREST RATE</b> 2.7500 %	<b>29. REPAYMENT TERMS</b> 40
<b>COMPLETE FOR COMMUNITY PROGRAM AND CERTAIN MULTIPLE-FAMILY HOUSING LOANS</b>			
<b>30. PROFIT TYPE</b> 1 - FULL PROFIT 2 - LIMITED PROFIT 3 - NONPROFIT			
<b>COMPLETE FOR EM LOANS ONLY</b>		<b>COMPLETE FOR CREDIT SALE-ASSUMPTION</b>	
<b>31. DISASTER DESIGNATION NUMBER</b> (See FMI)	<b>32. TYPE OF SALE</b> 1 - CREDIT SALE ONLY 2 - ASSUMPTION ONLY 3 - CREDIT SALE WITH SUBSEQUENT LOAN 4 - ASSUMPTION WITH SUBSEQUENT LOAN		
<b>FINANCE OFFICE USE ONLY</b>		<b>COMPLETE FOR FP LOANS ONLY</b>	
<b>33. OBLIGATION DATE</b> MO DA YR		<b>34. BEGINNING FARMER/RANCHER</b> (See FMI)	

If the decision contained above in this form results in denial, reduction or cancellation of USDA assistance, you may appeal this decision and have a hearing or you may request a review in lieu of a hearing. Please use the form we have included for this purpose.

Position 2

ORIGINAL - Borrower's Case Folder    COPY 1 - Finance Office    COPY 2 - Applicant/Lender    COPY 3 - State Office

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0570-0062. The time required to complete this information collection is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

CERTIFICATION APPROVAL

For All Farmers Programs

EM, OL, FO, and SW Loans

This loan is approved subject to the availability of funds. If this loan does not close for any reason within 90 days from the date of approval on this document, the approval official will request updated eligibility information. The undersigned loan applicant agrees that the approval official will have 14 working days to review any updated information prior to submitting this document for obligation of funds. If there have been significant changes that may affect eligibility, a decision as to eligibility and feasibility will be made within 30 days from the time the applicant provides the necessary information.

If this is a loan approval for which a lien and/or title search is necessary, the undersigned applicant agrees that the 15-working-day loan closing requirement may be exceeded for the purposes of the applicant's legal representative completing title work and completing loan closing.

35. COMMENTS AND REQUIREMENTS OF CERTIFYING OFFICIAL

Approval of financial assistance is subject to the provisions of Amendment No. dated 08/06/2019, to the Letter of Conditions dated September 13, 2016, and any further amendments thereto.

36. I HEREBY CERTIFY that I am unable to obtain sufficient credit elsewhere to finance my actual needs at reasonable rates and terms, taking into consideration prevailing private and cooperative rates and terms in or near my community for loans for similar purposes and periods of time. I agree to use the sum specified herein, subject to and in accordance with regulations applicable to the type of assistance indicated above, and request payment of such sum. I agree to report to USDA any material adverse changes, financial or otherwise, that occur prior to loan closing. I certify that no part of the sum specified herein has been received. I have reviewed the loan approval requirements and comments associated with this loan request and agree to comply with these provisions.

(For FP loans at eligible terms only) If this loan is approved, I elect the interest rate to be charged on my loan to be the lower of the interest rate in effect at the time of loan approval or loan closing. If I check "NO", the interest rate charged on my loan will be the rate specified in Item 28 of this form. YES NO

WARNING: Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be fined under this title or imprisoned not more than five years, or both."

Date 8/8, 20 19

Phillip Doyle, Chairman

(Signature of Applicant)

Date \_\_\_\_\_, 20 \_\_\_\_\_

(Signature of Co-Applicant)

37. I HEREBY CERTIFY that all of the committee and administrative determinations and certifications required by regulations prerequisite to providing assistance of the type indicated above have been made and that evidence thereof is in the docket, and that all requirements of pertinent regulations have been complied with. I hereby approve the above-described assistance in the amount set forth above, and by this document, subject to the availability of funds, the Government agrees to advance such amount to the applicant for the purpose of and subject to the availability prescribed by regulations applicable to this type of assistance.

Hilda Gay Legg

(Signature of Approving Official)

Typed or Printed Name: Hilda Gay Legg

Date Approved: 8/8/19

Title: State Director

38. TO THE APPLICANT: As of this date 8/16/19, this is notice that your application for financial assistance from the USDA has been approved, as indicated above, subject to the availability of funds and other conditions required by the USDA. If you have any questions contact the appropriate USDA Servicing Office.

# **EXHIBIT 12**

## EXHIBIT 12

### PROPOSED RATES

#### **5/8 x 3/4-Inch Meter**

First 2,000 Gallons	\$ 22.10 Minimum Bill
Next 8,000 Gallons	5.95 Per 1,000 Gallons
Next 10,000 Gallons	4.85 Per 1,000 Gallons
Next 10,000 Gallons	4.85 Per 1,000 Gallons
Next 20,000 Gallons	3.85 Per 1,000 Gallons
Next 50,000 Gallons	3.85 Per 1,000 Gallons
Over 100,000 Gallons	3.85 Per 1,000 Gallons

#### **1-Inch Meter**

First 5,000 Gallons	\$ 39.95 Minimum Bill
Next 5,000 Gallons	5.95 Per 1,000 Gallons
Next 10,000 Gallons	4.85 Per 1,000 Gallons
Next 10,000 Gallons	4.85 Per 1,000 Gallons
Next 20,000 Gallons	3.85 Per 1,000 Gallons
Next 50,000 Gallons	3.85 Per 1,000 Gallons
Over 100,000 Gallons	3.85 Per 1,000 Gallons

#### **1.5-Inch Meter**

First 10,000 Gallons	\$ 69.70 Minimum Bill
Next 10,000 Gallons	4.85 Per 1,000 Gallons
Next 10,000 Gallons	4.85 Per 1,000 Gallons
Next 20,000 Gallons	3.85 Per 1,000 Gallons
Next 50,000 Gallons	3.85 Per 1,000 Gallons
Over 100,000 Gallons	3.85 Per 1,000 Gallons

#### **2-Inch Meter**

First 15,000 Gallons*	\$ 93.95 Minimum Bill
Next 5,000 Gallons*	4.85 Per 1,000 Gallons
Next 10,000 Gallons	4.85 Per 1,000 Gallons
Next 20,000 Gallons	3.85 Per 1,000 Gallons
Next 50,000 Gallons	3.85 Per 1,000 Gallons
Over 100,000 Gallons	3.85 Per 1,000 Gallons

#### **Wholesale Rate**

2.59 Per 1,000 Gallons

# **EXHIBIT 13**



**CERTIFIED STATEMENT OF THE CHAIRMAN OF  
GREEN RIVER VALLEY WATER DISTRICT  
REQUIRED BY 807 KAR 5:069, SECTION 2(6)**

Phillip Doyle, being duly sworn, deposes and states:

1. He is the Chairman of the Board of Commissioners of Green River Valley Water District.
2. Green River Valley Water District owns and operates a water treatment plant that is located in Hart County, Kentucky.
3. Green River Valley Water District has retained Kenvirons, Inc., Frankfort, Kentucky, ("Engineer") to design and oversee the construction of proposed improvements to the water treatment plant ("the Project") to expand its treatment capacity from six million gallons of water per day to eight million gallons of water per day.
4. The proposed plans and specifications for the Project have been designed to meet the minimum construction and operating requirements set out in 807 KAR 5:066, Section 4(3) and (4); Section 5(1); Sections 6 and 7; Section 8(1) through (3); Section 9(1); and Section 10.
5. All other state approvals and/or permits that the Project requires have been obtained.
6. The water rates that Green River Valley Water District proposes and which are set forth in its Application filed with the Public Service Commission of Kentucky are contemplated to produce the total revenue requirements recommended in the Engineering Reports prepared by the Engineer and filed with the Public Service Commission.
7. Construction of the Project is expected to begin on or about October 15, 2019 and is expected to be completed on or about June 30, 2021.

8. I have relied upon information that Kenvirons, Inc. and its employees have provided to me in preparing this statement.

IN TESTIMONY WHEREOF, witness the signature of the undersigned on this 29<sup>th</sup> of August, 2019.

*Phillip Doyle*

Phillip Doyle  
Chairman, Board of Commissioners  
Green River Valley Water District

COMMONWEALTH OF KENTUCKY )  
 ) SS  
COUNTY OF HART )

Subscribed and sworn to before me by Phillip Doyle, Chairman, Board of Commissioners, Green River Valley Water District, on this 29 of August, 2019.

*Fina M. Cooke-Walker*

Notary Public

Notary ID: \_\_\_\_\_

My Commission Expires: 11-2-2019



# **EXHIBIT 14**

**GREEN RIVER VALLEY WATER DISTRICT  
NOTICE OF PROPOSED RATE CHANGE**

On or about August 29, 2019, Green River Valley Water District will apply to the Kentucky Public Service Commission for an increase in its rates for water service. The United States Department of Agriculture, Rural Development (“RD”) has required a change in Green River Valley Water District’s rates as a condition to the award of a loan of \$8,062,000, which will be evidenced by waterworks revenue bonds, and a grant of \$3,563,000. RD requires that Green River Valley Water District assess the following rates:

	<b>Present Rate</b>	<b>Proposed Rate</b>	<b>Change (\$)</b>	<b>Change (%)</b>
<u>5/8 x 3/4-Inch Meter</u>				
First 2,000 Gallons	\$ 17.21 Minimum Bill	\$ 22.10 Minimum Bill	\$ 4.89	28.4
Next 8,000 Gallons	4.71 Per 1,000 Gallons	5.95 Per 1,000 Gallons	\$ 1.24	26.3
Next 10,000 Gallons	3.93 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 0.92	23.4
Next 10,000 Gallons	3.39 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 1.46	43.1
Next 20,000 Gallons	3.39 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.46	13.6
Next 50,000 Gallons	3.06 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.79	25.8
Over 100,000 Gallons	2.96 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.89	30.1
<u>1-Inch Meter</u>				
First 5,000 Gallons	\$ 31.34 Minimum Bill	\$ 39.95 Minimum Bill	\$ 8.61	27.5
Next 5,000 Gallons	4.71 Per 1,000 Gallons	5.95 Per 1,000 Gallons	\$ 1.24	26.3
Next 10,000 Gallons	3.93 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 0.92	23.4
Next 10,000 Gallons	3.39 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 1.46	43.1
Next 20,000 Gallons	3.39 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.46	13.6
Next 50,000 Gallons	3.06 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.79	25.8
Over 100,000 Gallons	2.96 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.89	30.1
<u>1.5-Inch Meter</u>				
First 10,000 Gallons	\$ 54.89 Minimum Bill	\$ 69.70 Minimum Bill	\$ 14.81	27.0
Next 10,000 Gallons	3.93 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 0.92	23.4
Next 10,000 Gallons	3.39 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 1.46	43.1
Next 20,000 Gallons	3.39 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.46	13.6
Next 50,000 Gallons	3.06 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.79	25.8
Over 100,000 Gallons	2.96 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.89	30.1
<u>2-Inch Meter</u>				
First 15,000 Gallons*	\$ 78.47 Minimum Bill	\$ 93.95 Minimum Bill	\$15.48	19.7
Next 5,000 Gallons*	3.93 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 0.92	23.4
Next 10,000 Gallons	3.39 Per 1,000 Gallons	4.85 Per 1,000 Gallons	\$ 1.46	43.1
Next 20,000 Gallons	3.39 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.46	13.6
Next 50,000 Gallons	3.06 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.79	25.8
Over 100,000 Gallons	2.96 Per 1,000 Gallons	3.85 Per 1,000 Gallons	\$ 0.89	30.1
Wholesale Rate	2.14 Per 1,000 Gallons	2.59 Per 1,000 Gallons	\$ 0.45	21.0

\* Green River Valley Water District's current minimum bill for a two-inch meter provides for 16,000 gallons of water. The required rates will reduce the amount provided in the minimum bill to 15,000 gallons.

The proposed rates will have the following effect on an average customer's monthly bill:

<b>Customer Class</b>	<b>Average Monthly Usage (gals.)</b>	<b>Average Bill Present Rates</b>	<b>Average Bill Proposed Rates</b>	<b>Increase (\$)</b>	<b>Increase (%)</b>
5/8- x 3/4-Inch Meter	4,772	\$ 30.03	\$ 38.30	\$ 8.27	27.5
1-Inch Meter	22,451	\$ 102.50	\$ 130.09	\$ 27.59	26.9
1.5-Inch Meter	0	\$ 0.00	\$ 0.00	\$ 0.00	0.0
2-Inch Meter	27,420	\$ 119.79	\$ 154.19	\$ 34.40	28.7
Wholesale	7,988,667	\$17,095.75	\$20,690.65	\$3,594.90	21.3

The proposed rates shall be effective for water sold on and after the date of the order of the Public Service Commission approving those rates, which is expected to be no later than 30 days after the filing of the Application.

Any person may examine the application at Green River Valley Water District's office at 1180 East Main Street, Horse Cave, Kentucky, Monday through Friday, 7:30 a.m. to 4:00 p.m., Central Time, or at the Kentucky Public Service Commission's offices located at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m., Eastern Time, or through the Kentucky Public Service Commission's Web site at [https://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2019-00287](https://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2019-00287).

Comments regarding the application may be submitted to the Kentucky Public Service Commission through the Commission's Web Site at <http://psc.ky.gov>, by mail to the Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602 or by e-mail to [psc.info@ky.gov](mailto:psc.info@ky.gov). Green River Valley Water District's application is docketed as Case No. 2019-00287.

The proposed rates are required under the terms of an agreement between Green River Valley Water District and RD. KRS 278.023 does not grant the Public Service Commission any discretionary authority to modify or reject any portion of the agreement between Green River Valley Water District and RD, or to defer the issuance of all necessary orders to implement the terms of the agreement.

The proceeds of the RD loan and grant will be used to expand the capacity of Green River Valley Water District's water treatment plant from six million gallons per day to eight million gallons per day, to construct the following improvements: a new river water intake on the Green River for the water treatment plant, a secondary raw water pump station to pump water from Rio Verde Spring, a new chlorine building and feed equipment, two new two-staged flocculation basins and two sedimentation basins, two filters, and a 1,200,000 gallon clearwell. They will also be used for yard piping improvements, refurbishing an existing laboratory, and acquiring and installing a new SCADA system for the water treatment plant and water distribution system.

Phillip Doyle, Chairman  
Green River Valley Water District