

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF)	
EDMONSON COUNTY WATER DISTRICT)	
PURSUANT TO KRS 278.023 AND 807 KAR)	
5:069 FOR A CERTIFICATE OF PUBLIC)	
CONVENIENCE TO EXPAND ITS WATER)	CASE NO. 2019-00355
TREATMENT PLANT AND RELATED)	
WATERWORKS IMPROVEMENTS, AN)	
ADJUSTMENT OF ITS RATES FOR WATER)	
SERVICE; AND AUTHORIZATION TO ISSUE)	
CERTAIN SECURITIES)	

APPLICATION

Pursuant to KRS 278.023, and 807 KAR 5:069, Edmonson County Water District (“Edmonson 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 \$1,032,000 of revenue bonds.

In support of its Application,¹ Edmonson District provides the following:

1. The full name and post office address of Edmonson District is: Edmonson County Water District, Post Office Box 208, Brownsville, Kentucky 42210. Its e-mail address is mail@ecwdwater.com.

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

¹ To facilitate the Public Service Commission’s initial review of this Application, Edmonson 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. Edmonson District is a water district created pursuant to KRS Chapter 74. By Orders of Edmonson County Court entered August 5, 1966, North Edmonson County Water District and South Edmonson County Water District were created. By Order dated March 10, 1967, Edmonson Circuit Court merged these water districts and established Edmonson County Water District. A copy of these Orders and subsequent Orders that modified Edmonson District's territory are attached at **Tab 1** of this Application.

4. Edmonson District is engaged in the production, distribution, and sale of water to approximately 10,518 residential customers in the Kentucky counties of Butler, Edmonson, Grayson, Hart, and Warren.² Edmonson District provides water for resale to the city of Brownsville, Kentucky.³ It also owns and operates facilities that are used to provide sewage collection and treatment services to approximately 58 customers in Edmonson County.⁴

5. A copy of the resolution of Edmonson 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:⁵

Tony Sanders
General Manager
P.O. Box 208
Brownsville, KY 42210
(270) 597-2165
tony.sanders@ecwdwater.com

² *Annual Report of Edmonson County Water District (Water Operations) to the Public Service Commission of the Commonwealth of Kentucky for the Calendar Year Ended December 31, 2018* ("2018 Water Annual Report") at Ref Page 27.

³ *Id.* at Ref Pages 29-30.

⁴ *Annual Report of Edmonson County Water District (Sewer Operations) to the Public Service Commission of the Commonwealth of Kentucky for the Calendar Year Ended December 31, 2018* ("2018 Sewer Annual Report") at Ref Page 12.

⁵ On September 23, 2019, Edmonson 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.

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

7. Edmonson District proposes to construct approximately 2,750 feet of four-inch water main for the purpose of serving to an additional customer and interconnecting its water system with Green Valley Water District's water system. It also proposes to construct 20,955 feet of three-inch and four-inch water main and install a pressure booster station to serve twenty-five new and existing customers and to eliminate long individual service lines. Finally, it proposes to install hydrants for flushing and other purposes and to install leak detection meters to control and reduce its water loss.

8. The total estimated cost of the proposed waterworks improvements is \$1,290,000.

9. GRW Engineers, Inc., engineering, architectural and geospatial consulting firm, is responsible for the design of the proposed improvements and will supervise their construction. A copy of the Preliminary Engineering Report for the proposed improvements, which includes the Summary Addendum, is attached as **Tab 3** of this Application. The Final Engineering Report is found at **Tab 4**.

10. Edmonson District requested bids on the construction of the proposed improvements. It opened bids on September 24, 2019. The certified bid tabulations and the Project Engineer's recommendation are found at **Tab 5** and **Tab 6** of this Application respectively. Edmonson District's Board of Commissioners awarded the construction contract, subject to the Public Service Commission's issuance of a Certificate of Public Convenience and Necessity, to Cumberland Pipeline, LLC, of Russell Springs, Kentucky, whose bid of

\$780,258.50, was the lowest submitted bid. A copy of the resolution awarding this contract is found at **Tab 7**. Rural Development, an agency of the U.S. Department of Agriculture, has concurred in the award of the construction contract to Cumberland Pipeline. 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 December 23, 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. Edmonson District proposes to finance the cost of the proposed waterworks improvements through the issuance of \$1,032,000 of its Waterworks Revenue Bonds and a grant of \$258,000 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 3.125 percent per annum.

13. On August 8, 2018, Rural Development issued a Letter of Conditions in which it specified the conditions under which it will finance the construction of the proposed improvements. This letter, together with Edmonson District's acceptance of those conditions and its Request for Obligation of Funds (Form RD 1940-1), are found at **Tab 10** of this Application.

14. In its Letter of Conditions, Rural Development specifies a minimum level of rates that Edmonson District must assess to its customers as a condition to Rural Development's financial assistance. These rates are set forth at Page 11 of the Letter of Conditions and are higher than those Edmonson District currently assesses.

15. Edmonson 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 Edmonson District's Board of Commissioners as 807 KAR 5:069, Section 2(6) requires is found at **Tab 11** of this Application.

17. Edmonson 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 12** of this Application, has been published in the newspapers of general circulation for Edmonson, Grayson, and Hart Counties on or before the filing of this Application with the Public Service Commission. On or before the filing of this Application, Edmonson District has mailed a written copy of the "Notice of Proposes Rate Change" in its customers located in Butler and Warren Counties. It has also 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, Edmonson District will file the required proof of its publication of "Notice of Proposed Rate Change."

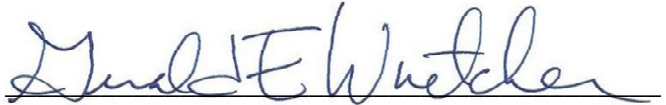
18. KRS 278.023(1) requires the Public Service Commission to accept an agreement between a water district and the U.S. Department of Agriculture involving a construction project that is financed in whole or in part by the U.S. Department of Agriculture and prohibits the Public Service Commission from 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, Edmonson County Water District requests that the Commission:

1. Grant Edmonson District a Certificate of Public Convenience and Necessity to construct the proposed improvements;
2. Approve the rates set forth in the Letter of Conditions and further set forth at **Tab 13** of this Application;
3. Approve the arrangements for financing the proposed waterworks improvements, including authorizing Edmonson District to issue \$1,032,000 of Edmonson County Waterworks Revenue Bonds, Series 2020, at an interest rate not to exceed 3.125 percent per annum; and,
4. Grant any and all such other relief to which Edmonson District may be entitled.

Dated: October 10, 2019

Respectfully submitted,



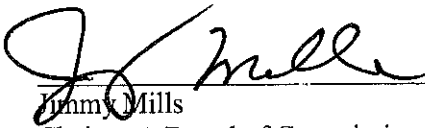
J. David Smith, Jr.
david.smith@skofirm.com
Gerald E. Wuetcher
gerald.wuetcher@skofirm.com
Stoll Keenon Ogden PLLC
300 West Vine St. Suite 2100
Lexington, Kentucky 40507-1801
Telephone: (859) 231-3000
Fax: (859) 259-3517

Counsel for Edmonson County Water District

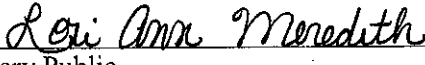
COMMONWEALTH OF KENTUCKY)
) SS
COUNTY OF EDMONSON)

The undersigned, Jimmy Mills, being duly sworn, deposes and states that he is the Chairman of the Board of Commissioners of Edmonson County 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 October 8, 2019.

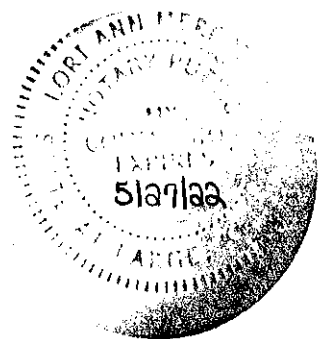
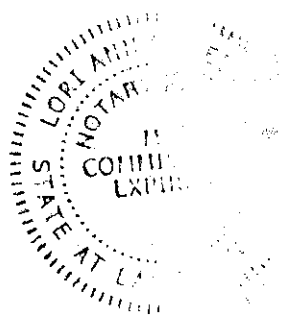

Jimmy Mills
Chairman, Board of Commissioners
Edmonson County Water District

Subscribed and sworn to before me by Jimmy Mills, Chairman, Board of Commissioners, Edmonson County Water District, on this October 8, 2019.


Lori Ann Meredith
Notary Public

Notary ID: 601051

My Commission Expires: May 27, 2022



CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Edmonson County Water District's October 10, 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 October 10, 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 October 14, 2019.

A handwritten signature in blue ink, appearing to read "Gerald E. Wuetcher", written over a horizontal line.

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**

Source Authority	Requirement	Location
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 Not Applicable
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 Not Applicable
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 Not Applicable
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 13; Exhibit 10
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; Exhibit 3
807 KAR 5:069, §2(4)	Final Engineering Report	Page 3, Para 9; Exhibit 4
807 KAR 5:069, §2(4)	Bid Tabulation	Page 3, Para 10; Exhibit 5
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 11
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 17 Exhibit 12

EXHIBITS

TABLE OF EXHIBITS

<u>Tab No.</u>	<u>Description</u>
1	Orders Establishing Edmonson County Water District and Modifying its Territory
2	A Resolution of the Board of Commissioners of Edmonson County 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	GRW Engineers, Inc., Preliminary Engineering Report (September 2017)
4	GRW Engineers, Inc., Final Engineering Report (September 2019)
5	Certified Bid Tabulation
6	Project Engineer's Recommendation
7	Board of Commissioners' Resolution Awarding Construction Contract
8	Rural Development Letter of Concurrence with Contract Award
9	Plans and Contract Specifications
10	Letter of Conditions and Related Documents
10A	Letter of Conditions (Aug. 8, 2018)
10B	Intent to Meet Letter of Conditions
10C	RD Form 1940-1 "Request for Obligation of Funds"
11	Certified Statement of the Chairman of Edmonson County Water District Required By 807 KAR 5:069, Section 2(6)
12	Notice of Proposed Rate Change Proposed Rates
13	Proposed Rates

EXHIBIT 1

FORM FHA-KY 442-4
(10-20-64)

Edmonson COUNTY COURT

IN RE: North Edmonson WATER DISTRICT

O R D E R

It appearing to the court that a petition signed by at least seventy-five (75) resident free holders of the proposed North Edmonson Water District has been filed and a copy of the territory intended to be included in the district was made a part of the petition and filed with same.

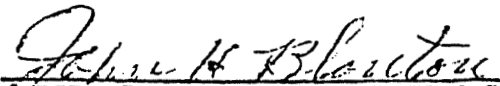
It further appearing to the court that a notice of the filing of this petition has been published in three (3) issues in a newspaper of general circulation in this county, and

It further appearing to the court from the petition that the establishment of this district is reasonable necessary for the public health, convenience, fire protection and comfort of the residents therein.

It further appearing to the court that no objections have been filed to this petition.

IT IS THEREFORE, ordered that the North ^{Edmonson} Water District be and the same is hereby established, and it is designated the North Edmonson Water District.

This 5th day of August, 19 66.


JUDGE, Edmonson COUNTY COURT

FORM FHA-KY 442-2
(10-20-64)

EDMONSON COUNTY COURT

IN THE MATTER OF THE FORMATION OF THE
NORTH EDMONSON WATER DISTRICT

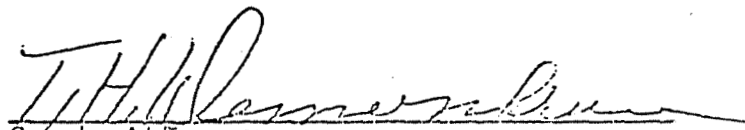
P E T I T I O N

Come the undersigned petitioners, they being more than 75 freeholders of property resident within the following described area: All of that section lying and being in Edmonson County situated north of Green River and west of
(Give exact legal description of district from survey)

Nolin River and Nolin Lake:

The undersigned petitioners state that at the present time there is no recognized or established water system serving the residence of the proposed district, as hereinabove described; that the only water available for use by said residents is that which may be pumped from wells or cisterns or carried from springs, which is inadequate for the personal use of said residents and the conduct of their farming operations; that, as a consequence thereof, the public convenience, comfort, health and safety, resulting from the lack of adequate fire protection are in grave danger and subject to extreme hazards; and that it is urgently necessary that a Water District be created in accordance with the provisions of Kentucky Revised Statutes, Chapter 74, in order to avert the aforesaid hazard and correct the undesirable conditions herein above mentioned. WHEREFORE, the undersigned petitioners move this court to establish a Water District in accordance with the provisions of KRS Chapter 74, consisting of the area or territory hereinabove described by metes and bounds; that the Court appoint a Board of Commissioners for the purpose of furnishing and administering a water supply to the residents of said District, which the petitioners request be named "North Edmonson Water District."

It is understood and agreed by all concerned that the undersigned petitioners do not commit or bind themselves to any specific water rates or assessments but petition the formation of a water district so that it will be possible to determine if water can be supplied to the residents of the proposed district at a reasonable cost.


County Attorney

SIGNATURES:

- 1 Chas. P. Bell, Sealed Ky.
- 2 Dean Rich - Bee Spring, Ky.
- 3 William B. Lee, Sealed Ky.

ATTEST COPY OF PETITION AND SIGNATURE:

extra copy

Edmonson COUNTY COURT

IN RE: South Edmonson WATER DISTRICT

O R D E R

It appearing to the court that a petition signed by at least seventy-five (75) resident free holders of the proposed South Edmonson Water District has been filed and a copy of the territory intended to be included in the district was made a part of the petition and filed with same.

It further appearing to the court that a notice of the filing of this petition has been published in three (3) issues in a newspaper of general circulation in this county, and

It further appearing to the court from the petition that the establishment of this district is reasonable necessary for the public health, convenience, fire protection and comfort of the residents therein.

It further appearing to the court that no objections have been filed to this petition.

IT IS THEREFORE, ordered that the South ^{Edmonson} Water District be and the same is hereby established, and it is designated the South Edmonson Water District.

This 5th day of August, 1966.

John H. Blanton
JUDGE, Edmonson COUNTY COURT

EDMONSON CO

EDMONSON COUNTY COURT

IN THE MATTER OF THE FORMATION OF THE
SOUTH EDMONSON WATER DISTRICT

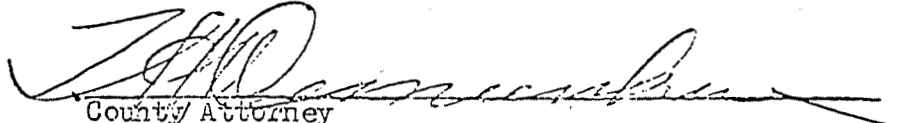
P E T I T I O N

Come the undersigned petitioners, they being more than 75 freeholders of property resident within the following described area?

All of that land lying and being in Edmonson County situated south of Green River, excluding the Mammoth Cave National Park and excluding the city of Brownsville Kentucky.

The undersigned petitioners state that at the present time there is no recognized or established water system serving the residence of the proposed district, as hereinabove described; that the only water available for use by said residents is that which may be pumped from wells or cisterns or carried from springs, which is inadequate for the personal use of said residents and the conduct of their farming operations; that, as a consequence thereof, the public convenience, comfort, health and safety, resulting from the lack of adequate fire protection are in grave danger and subject to extreme hazards; and that it is urgently necessary that a Water District be created in accordance with the provisions of Kentucky Revised Statutes, Chapter 74, in order to avert the aforesaid hazard and correct the undesirable conditions herein above mentioned. WHEREFORE, the undersigned petitioners move this court to establish a Water District in accordance with the provisions of KRS Chapter 74, consisting of the area or territory hereinabove described by metes and bounds; that the Court appoint a Board of Commissioners for the purpose of furnishing and administering a water supply to the residents of said District, which the petitioners request be named "South Edmonson Water District."

It is understood and agreed by all concerned that the undersigned petitioners do not commit or bind themselves to any specific water rates or assessments but petition the formation of a water district so that it will be possible to determine if water can be supplied to the residents of the proposed district at a reasonable cost.


County Attorney

SIGNATURES:

Thomas M. D. Supply Co.
Business Partner (Partner)

Brownsville Ky.

Wm. H. Cool Brownsville

ATTEST COPY OF PETITION AND SIGNATURE:

Charles Percy Brown Ky.

State of Kentucky, Sec.
EDMONSON COUNTY.

I, Richard Sanders, Clerk of the County Court of the County
of Edmonson, do hereby certify the following instrument to be a

625

ORDERS

County Court, 3 10 67, Page, records of

Edmonson County, Ky. Day of Feb. 92

COURT

RICHARD SANDERS, CLERK

By W. W. Moore D.C.

Term, Day,

Day,

Day of

196

FORM O-7-T

Edmonson County Court
Called Term
March 21st, 1967

The Will of Harry Gentry having been presented to the Court, for probate and attested as to signature by interrogation of Stinson Skaggs one of the attesting witnesses, it is hereby approved and ordered to record.

57

John H. Blanton Judge
Edmonson County Court

Edmonson County Court
Called Term
March 22nd, 1967

Nelle Gentry, The Executrix nominated by the last will and testament of Harry Gentry, deceased, this day came into court, and agreed to take the Execution thereof, and it is ordered that said Nelle Gentry be, and she is hereby appointed Executrix of the will of the said Harry Gentry, deceased, whereupon said Nelle Gentry took the oath prescribed by law, and no bond required per terms of the Will, thereupon the court grants Certificate of Probate and Letters testamentary of Administration to Nelle Gentry in due form.

53

John H. Blanton Judge
Edmonson County Court

Brownsville, Ky.

March 10th, 1967

In a joint meeting of the North Side Water District and the South Side Water District on February 23, 1967, upon a suggestion of the Representatives of the EDA and FHA Government Agencies from whom a loan and grant for the water system, the said Water Districts are trying to obtain the money for building a water system throughout Edmonson County.

59

A Resolution was passed by a unanimous vote to combine the said two Water Districts into which will be known as the Edmonson Water District. By my authority as Judge of Edmonson County Court, I hereby declare the North Side Water District and the South Side Water District to be combined and now be known as the Edmonson Water District.

In a meeting in my office Commissioners, Haskell Lane, and Benton Skaggs and Gilbert Webb resigned as Commissioners, while Commissioners Marvin Moody, Ray James and Roger Rich were appointed to serve as Commissioners of the newly formed Edmonson Water District.

John H. Blanton Judge
Edmonson County Court

627

STATE OF KENTUCKY, Set,
EDMONSON COUNTY,
I, Richard Sanders, Clerk of the County Court of the County
of Edmonson, do hereby certify that the foregoing instrument to be a
true and correct copy of the original as the same appears in
Book 627 Page, records of
County Court

ORDERS

COURT

WITNESS my hand, this 15 day of Feb. 19 92
RICHARD SANDERS, CLERK

Term.

Ovena Moore Day of Dec. 1966

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FORM 0.7.7

Brownsville, Kentucky
March 10, 1967

In a joint meeting of the North Edmonson Water District and the South Edmonson Water District on February 23, 1967, upon a suggestion of the Representatives of the EDA and FHA Government Agencies from whom a loan and grant for the water system, the said water districts are trying to obtain the money building of a water system for rural Edmonson County.

A resolution was passed by a unanimous vote to combine the said two Water Districts into one which will be known as the Edmonson County Water District. By my Authority as Judge of Edmonson County Court, I hereby declare the North Edmonson Water District and The South Edmonson Water District to be combined into one, hereafter known as The Edmonson County Water District.

In a meeting in my office, Hestell Lane, Benton Skaggs and Gilbert Webb resigned as Commissioners, and Marvin Moody, Ray James and Roger Rich were appointed to serve as Commissioners of the newly formed Edmonson County Water District.

John H. Blanton
John H. Blanton, Judge
Edmonson County Court.

Edmonson County Court
March 31, 1967

On motion of Morris W. Webb, the Court appoints Morris W. Webb statutory guardian of Robert Eugene Kemble, 9 years old, of Brownsville, Edmonson County, Kentucky; whereupon Morris W. Webb executed and filed herein bond in the sum of FIVE THOUSAND & NO/100 Dollars, the amount fixed, with H. W. Webb as surety, which is approved by this Court, and was thereupon duly sworn as required by law and qualified as such guardian.

John H. Blanton Judge
Edmonson County Court

Edmonson County Court
Called Term
March 20th, 1967

Woodrow Hogan, having produced his commission from the Secretary of State of Kentucky, under date of March 7th, 1967, appointing him as Notary Public of Kentucky State at Large, and he having executed bond for such trust, in the sum of FIVE HUNDRED & NO/100 (\$500.00) DOLLARS, with Dwight Hogan as surety and having taken the oath required to be administered upon the duties of said trust, it is ordered that said bond be and it is this day approved and the said Woodrow Hogan has in all respects qualified as Notary Public, State of Kentucky at Large.

John H. Blanton Judge
Edmonson County Court

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62

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ORDERS

EDMONSON COUNTY, Ark.
EDMONSON COUNTY

I, Richard Sanders, Clerk of the County Court of the County of Edmonson, do hereby certify that the foregoing instrument to be a true and correct copy of the original as the same appears in Book 624 Page, records of Edmonson County, Arkansas.

COURT

WITNESSED my hand, this 18 day of Feb 1967
RICHARD SANDERS, CLERK

Term,

By *Diana Moore* Day of D.C.

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FORM 0.7-T

EDMONSON COUNTY COURT

IN RE: EDMONSON COUNTY WATER DISTRICT

O R D E R

It appearing to the court that there has been established the Edmonson County Water District, and

It further appearing to the court that there must be appointed three (3) commissioners and the court being fully advised, it is, therefore, ordered that the following residents of the said Water District be and they are hereby appointed and their appointment is for a term designated and same is as follows:

1. Marvin Moody, for two (2) years.
2. Ray James, for three (3) years, and
3. Roger Rich, for four (4) years.

And it further appearing to the court that the said above designated commissioners did appear in court and the court did set a bond to insure the faithful performance of their duties, and said bond being in the amount of \$250.00.

Whereupon, came the said Ray James who offered Benton Skaggs as the surety upon his bond and same is approved, and

Whereupon, came Marvin Moody, who offered Ray James as surety upon his bond and same is approved, and

Whereupon, came Roger Rich who offered Hoskel Lane as surety upon his bond and same is approved, and

Whereupon, the court did swear the said three (3) commissioners to faithfully perform their duties.

IT IS THEREFORE, ordered, that the above designated parties be and they are hereby appointed water commissioners for the Edmonson County Water District: their bond in the amount of \$250.00, which was executed with good and solvent surety thereon, which is hereby approved and after having been given the oath, they are hereby ordered to enter into the discharge of their duties.

This 22 day of March, 1967.

John H. Blanton
John H. Blanton, Judge
Edmonson County Court

HART CO 1983

1983

O R D E R

WHEREAS, the Cub Run Water District Board of Commissioners has presented a resolution to the Hart County Fiscal Court requesting that the Edmonson County Water District acquire a portion of the Cub Run County Water District service area within the boundaries of Hart County, Kentucky;

WHEREAS, it would be in the best interest of the prospective customers of the proposed service area to be served by the Edmonson County Water District;

NOW, THEREFORE, BE IT ORDERED by the Fiscal Court of Hart County, Kentucky, that:

The area to be served by the Edmonson County Water District as described in the resolution of the Cub Run Water District Board of Commissioners be ceded to the Edmonson County Water District for the purpose of providing retail and wholesale water sales and service to the inhabitants of said area.

ADOPTED after being duly moved by [Signature] and seconded by [Signature] at a regular meeting of the Hart County Fiscal Court held on the 7 day of July, 1983.

[Signature]
HART COUNTY JUDGE

ATTEST: [Signature]
CLERK

COMMONWEALTH OF KENTUCKY

COUNTY OF HART - - - - - CERTIFICATE

I, Tammie Cowan Clerk of the Hart County
Fiscal Court, do hereby certify that the foregoing Order is
a true and correct copy of the Order as appears in Order Book

10 " Page 336 " and having been adopted at a regular
meeting of said Fiscal Court held on the 7th
day of July " 1983.

IN TESTIMONY WHEREOF, witness my hand this 7th
day of July " 1983.

Tammie Cowan
Clerk

RESOLUTION

WHEREAS, the Edmonson County Water District had been requested by the Cub Run Water District to assume the responsibility for and undertake the construction of water transmission lines to serve customers within the boundaries of Hart County and within the service area of the Cub Run Water District;

WHEREAS, the Edmonson County Water District has applied for federal grants and loans for the purpose of constructing said water transmission lines;

WHEREAS, a proposed map of the service area is attached hereto and made a part hereof;

NOW, THEREFORE, BE IT RESOLVED by the Cub Run Water District that it surrender to the Edmonson County Water District that portion of its service area located within the boundaries of Hart County as indicated on the attached map which is made a part hereof;

AND BE IT FURTHER RESOLVED that a copy of this resolution be delivered to the Fiscal Court of Hart County, Kentucky, for such appropriate action as it may take to effect the speedy construction of said water transmission lines;

ADOPTED after having been moved by Lay Templeman and seconded by P. O. Cox, at a called meeting of the Cub Run Water District Board of Commissioners on the 29 day of June, 1983.

Lay Templeman
Chairman

ATTEST: P. O. Cox
Secretary

COMMONWEALTH OF KENTUCKY

COUNTY OF - - - - -

CERTIFICATE

I, J. T. Cook, Secretary of the Board of Commissioners of the Cub Run Water District, do hereby certify that the foregoing resolution is a true and correct copy of the resolution as appears in the minute book of said corporation and having been adopted at a Call meeting of said board of commissioners held on the 29 day of June 1983.

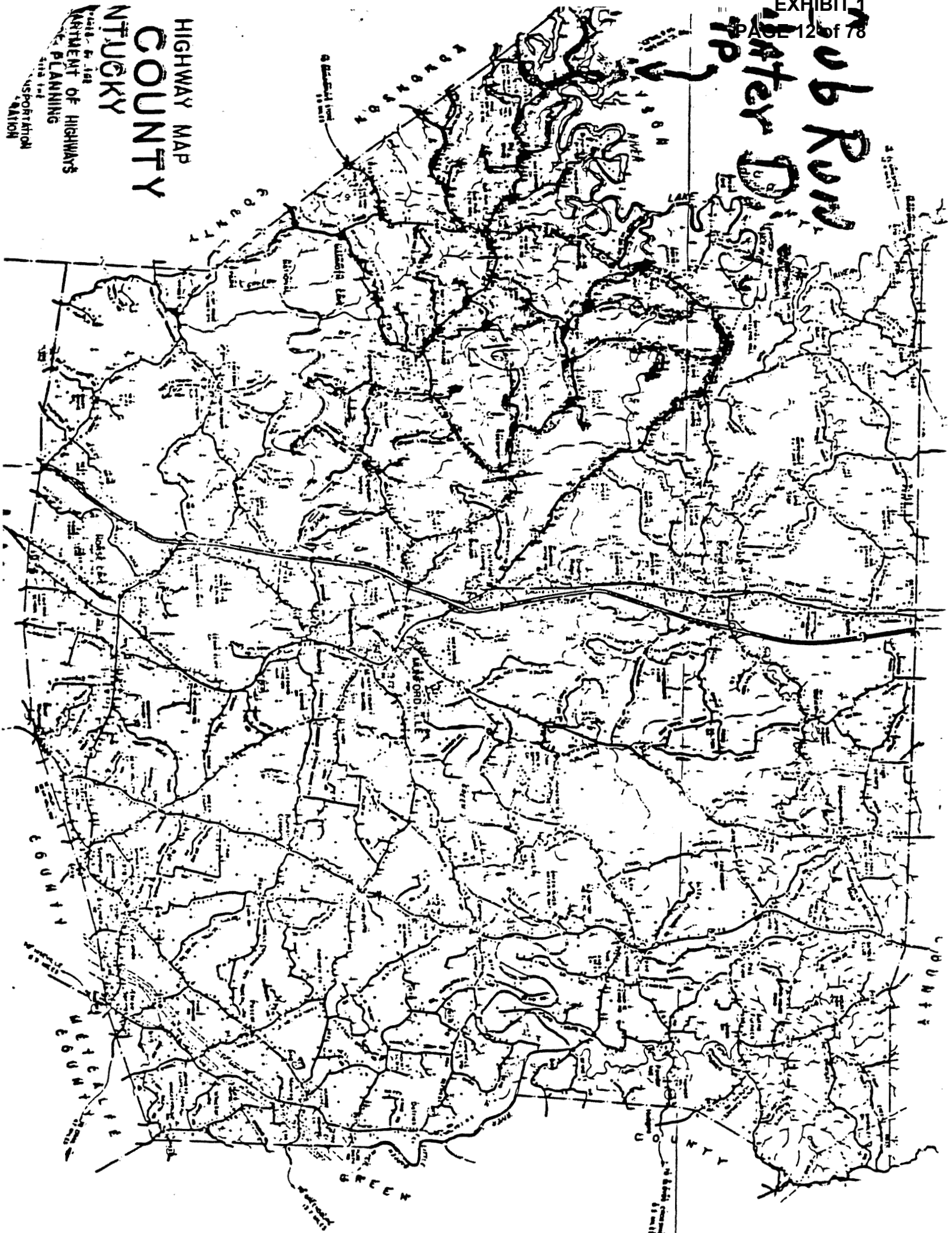
IN TESTIMONY WHEREOF, witness my hand this 29 day of June 1983.

J. T. Cook
Secretary

(SEAL)

Job Run
Water District
pp 2

KENTUCKY
HIGHWAY MAP
COUNTY
DEPARTMENT OF HIGHWAYS
PLANNING
DIVISION



GRAYSON CO 1983

ORDER

WHEREAS, the Grayson County Water District Board of Commissioners has presented a resolution to the Grayson County Fiscal Court where the Edmonson County Water District has requested permission to serve a portion of the Grayson County Water District service area within the boundaries of Grayson County, Kentucky;

WHEREAS, it would be in the best interest of the perspective customers of the proposed service area to be served by the Edmonson County Water District;

NOW, THEREFORE, BE IT ORDERED by the Fiscal Court of Grayson County, Kentucky, that:

The area to be served by the Edmonson County Water District as described in the resolution of the Grayson County Water District Board of Commissioners be ceded to the Edmonson County Water District for the purpose of providing retail and wholesale water sales and service to the inhabitants of said area, provided all the conditions in the resolution of the Grayson County Water District are met by the Edmonson County Water District.

ADOPTED after being duly moved by CHARLES GOUDIN and seconded by F. J. PINELL, at a Special meeting of the Grayson County Fiscal Court held on the 12th day of July, 1983.

Charles Goudin
Grayson County Judge

ATTEST: Margaret Mearley
Clerk

COMMONWEALTH OF KENTUCKY
COUNTY OF GRAYSON

CERTIFICATE

I, Margaret Noaley, Clerk of the Grayson County Fiscal Court, do hereby certify that the foregoing Order is a true and correct copy of the Order as appears in Order Book L, Page 631, and having been adopted at a SPECIAL meeting of said Fiscal Court held on the 12th day of July, 1983.

IN TESTIMONY WHEREOF, witness my hand this 15th day of July, 1983.

Margaret Noaley
Clerk

RESOLUTION

WHEREAS, the Edmonson County Water District has requested the Grayson County Water District grant the Edmonson County Water District permission to undertake the construction of water transmission lines to serve customers within the boundaries of Grayson County and within the service area of the Grayson County Water District, and in addition, Edmonson County Water District will enter into a contract to sell water to the Grayson County Water District to serve the rest of southeast Grayson County;

WHEREAS, the Edmonson County Water District has applied for federal grants and loans for the purpose of constructing said water transmission lines;

WHEREAS, a proposed map of the service area is attached hereto and made a part hereof;

NOW, THEREFORE, BE IT RESOLVED by the Grayson County Water District that it surrender to the Edmonson County Water District that portion of its service area located within the boundaries of Grayson County as indicated on the attached map which is made a part hereof, provided the entire line along Highway 259 up to Meredith be constructed and be a minimum of 6 inches in size. Prior to any construction taking place, the Edmonson County Water District must enter into a contract with the Grayson County Water District agreeing to sell water to the Grayson County Water District at any point where other residents and farms desire water in southeast Grayson County, should the Edmonson County Water District fail to extend water service to the residents and farms. The volume and

sale of water to the Grayson County Water District shall be subject to the available capacity of the Edmonson County Water District's system. Should the capacity not be available, the Grayson County area will be given equal consideration for supply of water at the time the system is expanded as other customers and potential customers of the Edmonson County Water District. Should construction not be complete or underway within two years of the date of this Resolution, the service area set out on the attached map shall revert back to the Grayson County Water District;

AND BE IT FURTHER RESOLVED that a copy of this resolution be delivered to the Fiscal Court of Grayson County, Kentucky, for such appropriate action as it may take to effect the speedy construction of said water transmission lines;

ADOPTED after having been moved by Otis Mann, and seconded by Ed Nichols, at a Special meeting of the Grayson County Water District Board of Commissioners on the 14 day of July, 1983.

John M. Wilson
Chairman

ATTEST: Ed Nichols
Secretary

COMMONWEALTH OF KENTUCKY
COUNTY OF WARREN

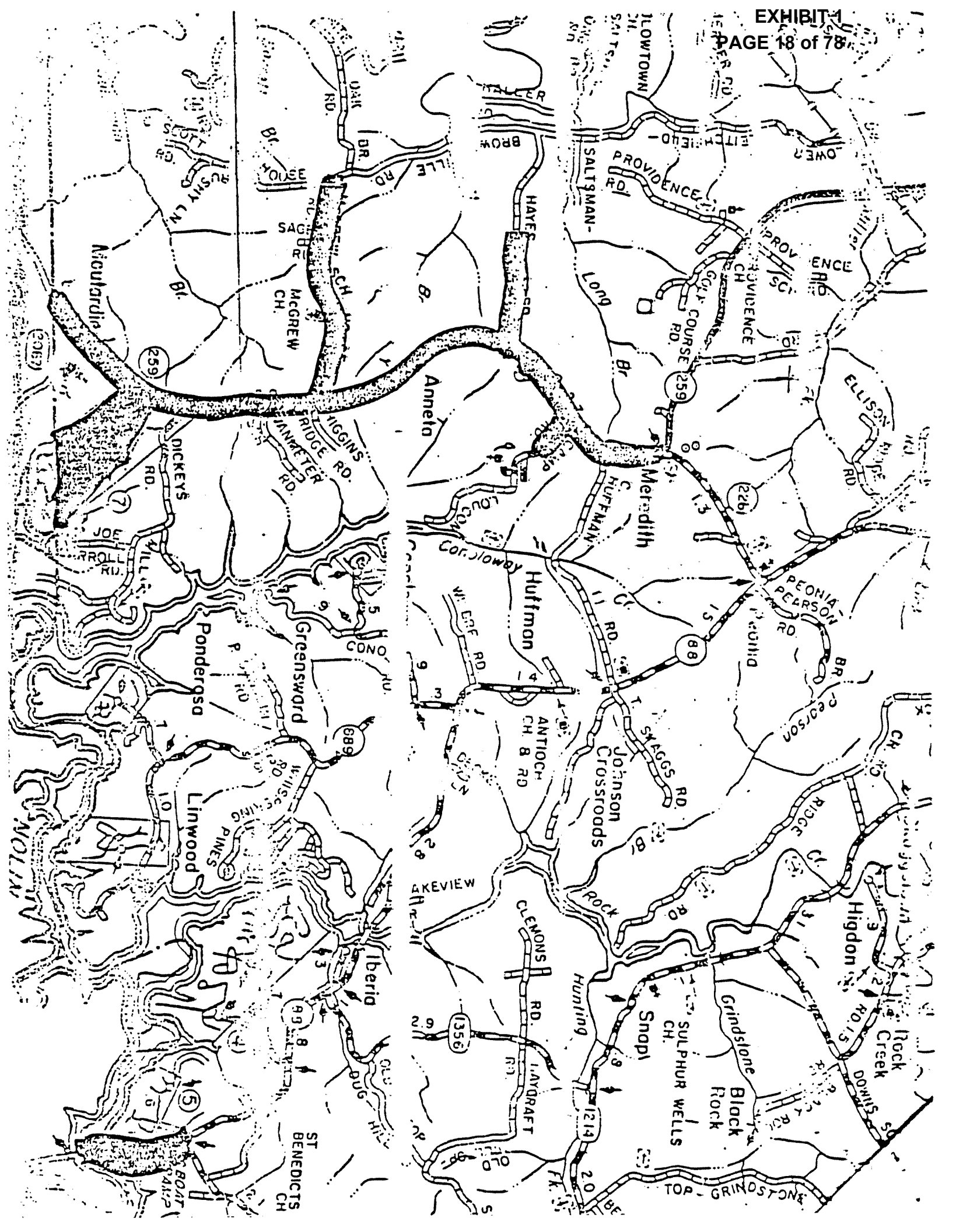
CERTIFICATE

I, Ed Nichols, Secretary of the Board of Commissioners of the Grayson County Water District, do hereby certify that the foregoing resolution is a true and correct copy of the resolution as appears in the minute book of Grayson County Water District and having been adopted at a Special meeting of said board of commissioners held on the 14 day of July, 1983.

IN TESTIMONY WHEREOF, witness my hand this 14 day of July, 1983.

Ed Nichols
Secretary

(SEAL)



O R D E R

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Hart County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned, as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the territory originally proposed to be stricken from the Hart County Water District was reduced by resolution of the Commission of said Water District to that territory described as follows, which territory lies completely within the territory described previously;

Whereas, the proposed action of the undersigned was duly advertised in the Hart County News and this day set for hearing on the proposed striking off and annexation;

Whereas, there has been no objection or exception filed to the proposed action;


NOW, THEREFORE, BE IT ORDERED, that:

The following territory of Hart County, Kentucky, be, and it hereby is stricken from the service area of the Hart County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at a point, the intersection of Kentucky Highway 88 West of Mumfordsville with the boundary of the Mumfordsville Water District, thence running in a Southerly direction to the Green River; thence following the meanders of the Green River in a Westerly direction to the boundaries of the Mammoth Cave National Park; thence with the meanders of its said boundaries in a Northerly and Westerly direction to the Edmonson County line; thence following said line in a Northwesterly direction to the waters of Nolin River or lake; thence following meanders of said river or lake in a Northerly direction to Wheelers Mill; thence parallel and running Easterly one-half mile north of the road from Wheelers Mill to Kentucky Highway 728 to the right of way of Kentucky Highway 728; thence and parallel and running Easterly one-half mile North of said Highway 728 to the Cave Hill Road; thence following the meanders of the Cave Hill Road at a distance of one-half mile north of said road to the Macon

Road; thence following the meanders of the Macon Road in a Southerly direction a distance of one-half mile Northeast of said road to a point two miles North of Kessinger; thence following a line two miles north of Kentucky Highway 88 in a Easterly direction to the boundaries of the Munfordville Water District; thence following the West boundary of said Munfordville Water District to the beginning point.


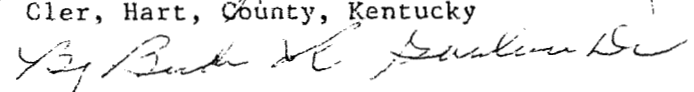
This 22nd day of March, 1984.


Sherman Bowman
Hart County Judge-Executive
Hart County, Kentucky

CERTIFICATE

I, William J. Trubelick Clerk of Hart County, Kentucky do hereby certify that the attached order of Hon. Sherman Bowman, County Judge-Executive of Hart County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive on the 22nd day of march, 1984, as appears in the order book.

This 22nd day of March, 1984.


Cler, Hart, County, Kentucky


O R D E R

WHEREAS, the Edmonson County Water District has proposed extensions to its present water transmission lines within the boundaries of Hart County, Kentucky;

WHEREAS, the said District will be laying lines over, across and under rights of way of roads and ways belonging to Hart County, Kentucky:

WHEREAS, the laying of said lines is for the benefit of the people of Hart County;

NOW, THEREFORE, BE IT ORDERED BY THE FISCAL COURT OF HART COUNTY THAT:

The Edmonson County Water District, its agents, employees, or contractors is hereby granted permission to lay, construct, install and maintain water transmission lines over, across and under the county roads within the planned expansion project in such manner and fashion as may be reasonable in the construction industry, provided said district will restore said roads to the condition they were in prior to construction.

ADOPTED after being duly moved by Willard Logsdon and seconded by Mitchell Lake, at a Regular meeting of the Hart County Fiscal Court held on the 1 day of December 1983.

Sheena Bowman
Hart County Judge Executive

ATTEST: Janmie Cassan
Clerk

OFFICE OF THE COUNTY JUDGE-EXECUTIVE
HART COUNTY, KENTUCKY

IN THE MATTER OF THE CUB RUN WATER DISTRICT

PETITION

Comes the Board of Commissioners of the Cub Run Water District and for their petition which follows:

1. The Cub Run Water District has agreed with the Edmonson County Water District that the area lying within the boundaries of the Cub Run Water District shall be served by the Edmonson County Water District and the said districts will cooperate and cooperate with one another in the operation and maintenance of the Cub Run Water District service area of the Edmonson County Water District;

2. Whereas KRS 74.110 provides that a petition must be filed with the County Judge-Executive of Hart County setting forth the territory proposed to be diminished or stricken off;

3. Whereas the Cub Run Water District has not incurred any expenses or debts relative to its existence and has not entered into any contracts or obligations, nor does it have any customers or other persons dependant upon it;

4. The Edmonson County Water District has advertised for bids for the construction of a water line in the service area of the Cub Run Water District and the said district will make the servicing of the area proposed to be stricken off;

5. The description of the service area is as follows:

BEGINNING at a point, the intersection of Kentucky Highway 58 West of Manfreville with the boundary of the Manfreville Water District, thence running in a southerly direction to the Green River; thence following the meanders of the Green River in a westerly direction to the boundaries of the Mammoth Cave National Park; thence with the meanders of its said boundaries in a northerly and westerly direction to the Edmonson County line; thence following said line in a northwesterly direction to the waters of Nolin River or Lake; thence following

OFFICE OF THE COUNTY JUDGE-EXECUTIVE
HART COUNTY, KENTUCKY

IN THE MATTER OF THE MUMFORDVILLE CITY WATER DISTRICT

RECITAL

Comes the Board of Directors of the Mumfordsville City Water District pursuant to KRS 77.115 and a petition filed in the Circuit Court of Hart County, Kentucky, and petitioned for the right to determine the boundaries of the Mumfordsville City Water District.

That the boundaries of the Mumfordsville City Water District are as follows: Beginning at the intersection of Kentucky Highway 728 and the West of Mumfordsville Water District; thence following the West boundary of the Mumfordsville Water District, thence running in a Westerly direction to the Green River; thence following the meanders of the Green River in a Westerly direction to the boundary of the Mammoth Cave National Park; thence with the meanders of the Green River in a Northerly and Westerly direction to the Hart County line; thence following said line in a Northwesterly direction to the waters of Moline River or Lake; thence following the meanders of said river or lake in a Northerly direction to Wheelers Mill; thence parallel and running Easterly one-half mile north of the road from Wheelers Mill to Kentucky Highway 728 to the right of way of Kentucky Highway 728; thence and parallel and running Easterly one-half mile North of said Highway 728 to the Cave Hill Road; thence following the meanders of the Cave Hill Road at a distance of one-half mile north of said road to the Macon Road; thence following the meanders of the Macon Road in a Southerly direction a distance of one-half mile Northeast of said road to a point two miles North of Kessinger; thence following a line two miles north of Kentucky Highway 88 in a Easterly direction to the boundaries of the Mumfordsville Water District; thence following the West boundary of said Mumfordsville Water District to the beginning point.

This 17 day of February, 1984.

Max W. Jirard
Harold S. Stewart
John H. Blanton
COUNTY JUDGE-EXECUTIVE

PETITION TO EDMONSON COUNTY WATER DISTRICT

Come the undersigned, being freeholders of Hart County, Kentucky, and petition the Edmonson County Water District to seek the addition or annexation of the following described territory to the Edmonson County Water District by the appropriate action the County Judge-Executive of Hart County, Kentucky:

BEGINNING at a point, the intersection of Kentucky Highway 88 West of Munfordville with the boundary of the Munfordville Water District, thence running in a Southerly direction to the Green River; thence following the meanders of the Green River in a Westerly direction to the boundaries of the Mammoth Cave National Park; thence with the meanders of its said boundaries in a Northerly and Westerly direction to the Edmonson County line; thence following said line in a Northwesterly direction to the waters of Nolin River or Lake; thence following the meanders of said river or lake in a Northerly direction to Wheelers Mill; thence parallel and running Easterly one-half mile north of the road from Wheelers Mill to Kentucky Highway 728 to the right of way of Kentucky Highway 728; thence and parallel and running Easterly one-half mile North of said Highway 728 to the Cave Hill Road; thence following the meanders of the Cave Hill Road at a distance of one-half mile north of said road to the Macon Road; thence following the meanders of the Macon Road in a Southerly direction a distance of one-half mile Northeast of said road to a point two miles North of Kessinger; thence following a line two miles north of Kentucky Highway 88 in a Easterly direction to the boundaries of the Munfordville Water District; thence following the West boundary of said Munfordville Water District to the beginning point.

This 15 day of February, 1984.

Alma Lewis
Randall Kessinger
W. H. Hill
Robert Woodell
Howard B. Childress

the meanders of said river or lake in a Northerly direction to Wheelers Mill; thence parallel and running Easterly one-half mile north of the road from Wheelers Mill to Kentucky Highway 728 to the right of way of Kentucky Highway 728; thence and parallel and running Easterly one-half mile North of said Highway 728 to the Cave Hill Road; thence following the meanders of the Cave Hill Road at a distance of one-half mile north of said road to the Macon Road; thence following the meanders of the Macon Road in a Southerly direction a distance of one-half mile Northeast of said road to a point two miles North of Kessinger; thence following a line two miles north of Kentucky Highway 58 in a Easterly direction to the boundaries of the Munfordville Water District; thence following the West boundary of said Munfordville Water District to the beginning point.

WHEREFORE, the Cub Run Water District hereby petitions the County Judge-Executive of Hart County, Kentucky, to enter an order diminishing said territory from the Cub Run Water District.

This 15 day of February, 1908.

Ray Templeman
J. O. Paul

REAL PROPERTY

Beginning at the intersection of Kentucky Highway 88
North of the center of the boundary of the Munfordville Water
District, thence following the north line of the tract in an
easterly direction a distance of 1/2 mile, thence following a
line in an easterly direction a distance of 1/2 mile, thence following
the meanders of the Cave Hill Road in a southerly and easterly
direction a distance of 1/2 mile, thence following said line in
a southerly direction a distance of 1/2 mile to the River or Lake, thence
following the meanders of said line in a northerly direction
a distance of 1/2 mile, thence following a line a distance of 1/2 mile North of
said line in an easterly direction to Kentucky Highway 728, thence
following the meanders of said line a distance of 1/2
mile to the said road to the Cave Hill Road, thence following the
meanders of the Cave Hill Road at a distance of 1/2 mile North of said
road to the Macon Road, thence following the meanders of the Macon
Road in a Southerly direction a distance of 1/2 mile northeast of said
road to a point two miles North of Kessinger, thence following a line
two miles North of Kentucky Highway 88 in an Easterly direction to the
boundaries of the Munfordville Water District, thence following the
West boundary of said Munfordville Water District to the beginning point.

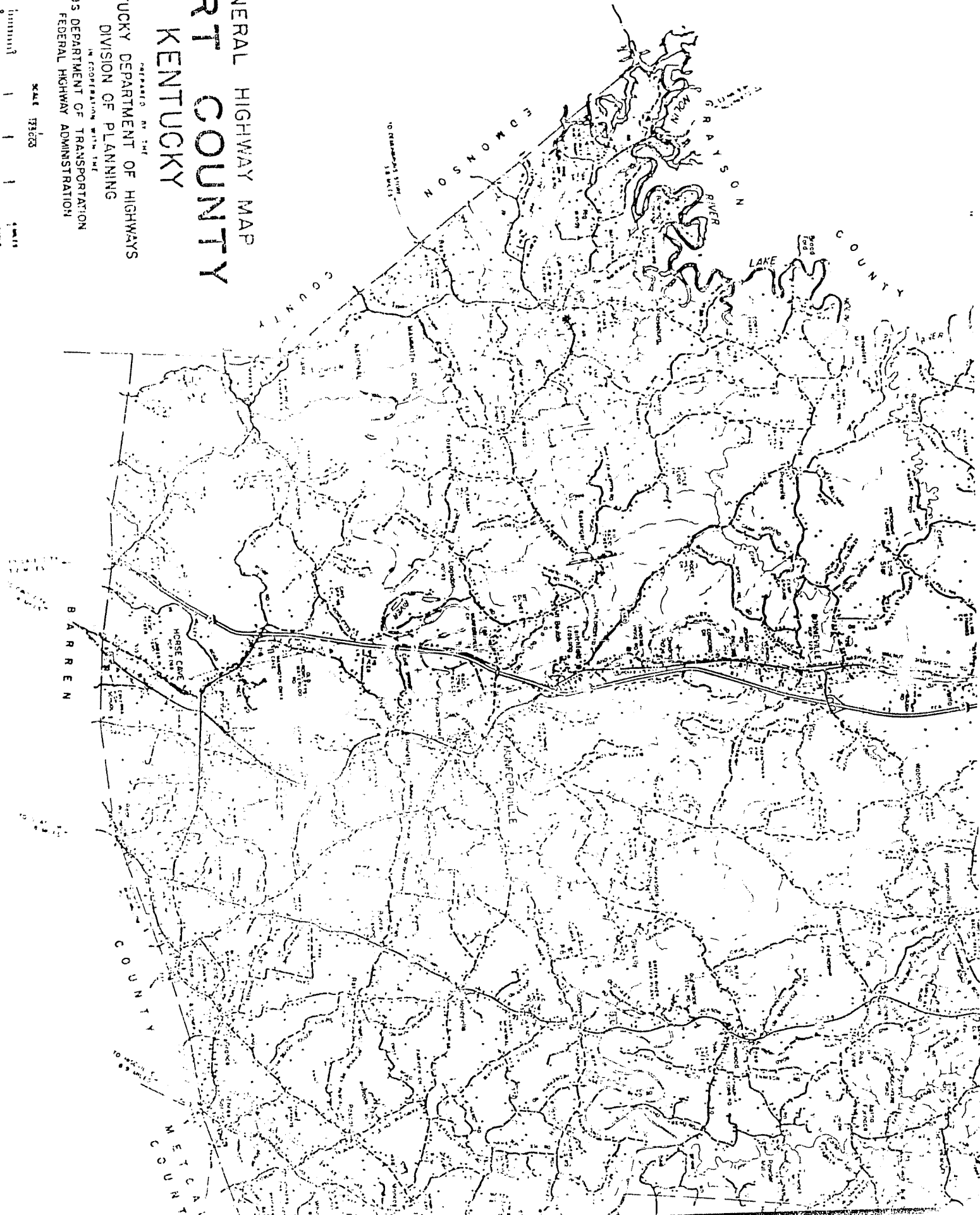


GENERAL HIGHWAY MAP HART COUNTY KENTUCKY

PREPARED BY THE
KENTUCKY DEPARTMENT OF HIGHWAYS
DIVISION OF PLANNING
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

SCALE 1:25,000

1 inch = 2 miles
1 centimeter = 1000 feet



ORDER

*Per
Giving
Co to Edmon*

WHEREAS, the Warren County Water District Board of Commissioners has presented a resolution to the Warren County Fiscal Court whereby the Edmonson County Water District has requested permission to acquire a portion of the Warren County Water District's unserved service area within the boundaries of Warren County Water District in Warren County, Kentucky, and connect the Edmonson County Water District water mains to the Warren County Water District water mains for emergency backfeed purposes;

WHEREAS, it would be in the best interest of the perspective customers of the proposed service area to be served by the Edmonson County Water District and the customers of the Warren County Water District to have the two Water Districts water mains connected;

NOW, THEREFORE, BE IT ORDERED by the Fiscal Court of Warren County, Kentucky, that:

The area to be served by the Edmonson County Water District as described in the resolution of the Warren County Water District Board of Commissioners be ceded to the Edmonson County Water District for the purpose of providing retail and wholesale water sales and service to the inhabitants of said area, provided the Edmonson County Water District and Warren County Water District are connected for emergency backfeed purposes.

ADOPTED after being duly moved by Esquire White and seconded by Esquire Stahl, at a Regular meeting of the Warren County Fiscal Court held on the 22 day of July, 1983.

ATTEST: Marie Smith
Clerk

Emil Guffey
Warren County Judge

COMMONWEALTH OF KENTUCKY

COUNTY OF WARREN

CERTIFICATE

I, Marie B. Smith, Clerk of the Warren County Fiscal Court,
do hereby certify that the foregoing Order is a true and correct copy of
the Order as appears in Order Book 13, Page 542, and having been
adopted at a Regular meeting of said Fiscal Court held on the 22 day
of July, 1983.

IN TESTIMONY WHEREOF, witness my hand this 22 day of July,
1983.

Marie B. Smith
Clerk

ORDER

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Warren County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned, as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the territory originally proposed to be stricken from the Warren County Water District was reduced by resolution of the Commission of said Water District to that territory described as follows, which territory lies completely within the territory described previously;

Whereas, the proposed action of the undersigned was duly advertised in the Park City Daily News and this day set for hearing on the proposed striking off and annexation;

Whereas, there has been no objection or exception filed to the proposed action;

NOW, THEREFORE, BE IT ORDERED, that:

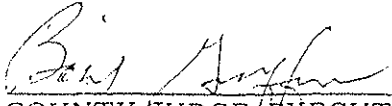
The following territory of Warren County, Kentucky, be, and it hereby is, stricken from the service area of the Warren County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at a point, the intersection of Kentucky 743 and the Edmonson-Warren County line, thence in a southwesterly direction to the intersection of the Girkin Road near the Kenneth Davis residence, thence in an easterly direction to the intersection of Kentucky Highway 743 near Cowles Chapel Church, thence in an easterly direction to the Aubrey Mills Road thence in an easterly direction with Mills Road to the intersection of the Mills Road and the Sulphur Road, thence with Sulphur Road in a northerly direction to the Edmonson-Warren County line thence with the county line to the point of beginning.

ALSO A SECTION

BEGINNING at a point, the intersection of KY 259 and the Edmonson-Warren County line, thence in a southerly direction with KY 259 to Earl Loyd Estés residence, thence in a westerly direction to the intersection of KY 422 and the Smiths Grove City limits, thence North with KY 422 to the Edmonson-Warren County line, thence with the Edmonson-Warren County line to the point of the beginning.

This 23rd day of March, 1984.

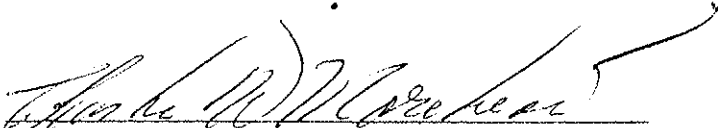


COUNTY JUDGE-EXECUTIVE
WARREN COUNTY, KENTUCKY

CERTIFICATE

I, Charles W. Marchand, Clerk of Warren County, Kentucky, do hereby certify that the attached order of Hon. Basil Griffin, County Judge-Executive of Warren County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive on the 23rd day of March, 1984, as appears in the order book.

This 23rd day of March, 1984.



Clerk, Warren County, Kentucky

March 10, 1984

COMMONWEALTH OF KENTUCKY)
) EXECUTIVE ORDER OF THE COUNTY JUDGE/
) EXECUTIVE PURSUANT TO KRS 74.110 (3)
 COUNTY OF EDMONSON)

This matter this day came on for hearing before the Honorable County Judge/ Executive pursuant to KRS 74.110(3) upon a petition (application for service) filed by a number of freeholders of Edmonson County, Kentucky, and upon a Petition filed by the WARREN COUNTY WATER DISTRICT, with the approval of the Edmonson County Water District, seeking authority for the Warren County Water District to extend its water lines into the following area in Edmonson County, Kentucky, to-wit:

Beginning at a point in the center of Green River said point being at the intersection of the common boundary line of Edmonson County and Warren County and said river; thence up said river northeasterly then southeasterly, approximately 1.4 miles to a sharp bend in said river; thence southeasterly parallel to said boundary line, approximately 1.2 miles to a point in the centerline of State Highway #1749; thence southerly on a course 45° south of the previous course, approximately 1.2 miles to a point in said boundary line; thence northwesterly with said boundary line 2.8 miles to the point of beginning.

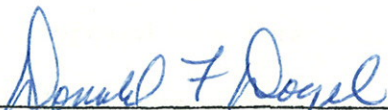
No one having appeared at the hearing objecting to the proposed extension.

The undersigned Judge having considered the record and being sufficiently advised, is of the opinion that the petition should be granted and so adjudges. The Court finds that (1) the hearing was duly advertised as required by KRS 74.110(2), (2) that it is reasonably necessary that said extension be granted in order that the residents of said area can have potable public water as soon as possible, and (3) that it is in the best interest of all parties concerned that the relief sought in the petition be granted.

IT IS THEREFORE ORDERED by the undersigned County Judge/Executive, pursuant to KRS 74.110-115, that the said Petitions be and they are hereby granted and that the Warren County Water District be and it is hereby granted permission

and authority to extend its water lines into the area above described for the purpose of serving the residents in said area with potable water.

This 10 day of March, 1984.



COUNTY JUDGE/EXECUTIVE
EDMONSON COUNTY, Kentucky

O R D E R

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Hart County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned, as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the territory originally proposed to be stricken from the Hart County Water District was reduced by resolution of the Commission of said Water District to that territory described as follows, which territory lies completely within the territory described previously;

Whereas, the proposed action of the undersigned was duly advertised in the Hart County News and this day set for hearing on the proposed striking off and annexation;

Whereas, there has been no objection or exception filed to the proposed action;


NOW, THEREFORE, BE IT ORDERED, that:

The following territory of Hart County, Kentucky, be, and it hereby is stricken from the service area of the Hart County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at a point, the intersection of Kentucky Highway 88 West of Mumfordsville with the boundary of the Mumfordsville Water District, thence running in a Southerly direction to the Green River; thence following the meanders of the Green River in a Westerly direction to the boundaries of the Mammoth Cave National Park; thence with the meanders of its said boundaries in a Northerly and Westerly direction to the Edmonson County line; thence following said line in a Northwesterly direction to the waters of Nolin River or lake; thence following meanders of said river or lake in a Northerly direction to Wheelers Mill; thence parallel and running Easterly one-half mile north of the road from Wheelers Mill to Kentucky Highway 728 to the right of way of Kentucky Highway 728; thence and parallel and running Easterly one-half mile North of said Highway 728 to the Cave Hill Road; thence following the meanders of the Cave Hill Road at a distance of one-half mile north of said road to the Macon

Road; thence following the meanders of the Macon Road in a Southerly direction a distance of one-half mile Northeast of said road to a point two miles North of Kessinger; thence following a line two miles north of Kentucky Highway 88 in a Easterly direction to the boundaries of the Munfordville Water District; thence following the West boundary of said Munfordville Water District to the beginning point.


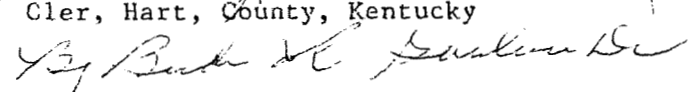
This 22nd day of March, 1984.


Sherman Bowman
Hart County Judge-Executive
Hart County, Kentucky

CERTIFICATE

I, William J. Trubelick Clerk of Hart County, Kentucky do hereby certify that the attached order of Hon. Sherman Bowman, County Judge-Executive of Hart County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive on the 22nd day of march, 1984, as appears in the order book.

This 22nd day of March, 1984.


Cler, Hart, County, Kentucky


ORDER

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Warren County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned, as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the territory originally proposed to be stricken from the Warren County Water District was reduced by resolution of the Commission of said Water District to that territory described as follows, which territory lies completely within the territory described previously;

Whereas, the proposed action of the undersigned was duly advertised in the Park City Daily News and this day set for hearing on the proposed striking off and annexation;

Whereas, there has been no objection or exception filed to the proposed action;

NOW, THEREFORE, BE IT ORDERED, that:

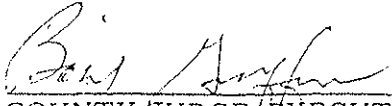
The following territory of Warren County, Kentucky, be, and it hereby is, stricken from the service area of the Warren County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at a point, the intersection of Kentucky 743 and the Edmonson-Warren County line, thence in a southwesterly direction to the intersection of the Girkin Road near the Kenneth Davis residence, thence in an easterly direction to the intersection of Kentucky Highway 743 near Cowles Chapel Church, thence in an easterly direction to the Aubrey Mills Road thence in an easterly direction with Mills Road to the intersection of the Mills Road and the Sulphur Road, thence with Sulphur Road in a northerly direction to the Edmonson-Warren County line thence with the county line to the point of beginning.

ALSO A SECTION

BEGINNING at a point, the intersection of KY 259 and the Edmonson-Warren County line, thence in a southerly direction with KY 259 to Earl Loyd Estés residence, thence in a westerly direction to the intersection of KY 422 and the Smiths Grove City limits, thence North with KY 422 to the Edmonson-Warren County line, thence with the Edmonson-Warren County line to the point of the beginning.

This 23rd day of March, 1984.

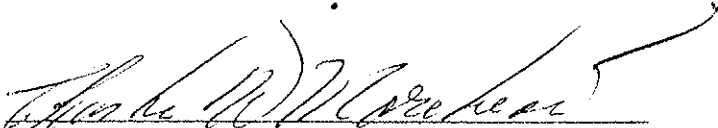


COUNTY JUDGE-EXECUTIVE
WARREN COUNTY, KENTUCKY

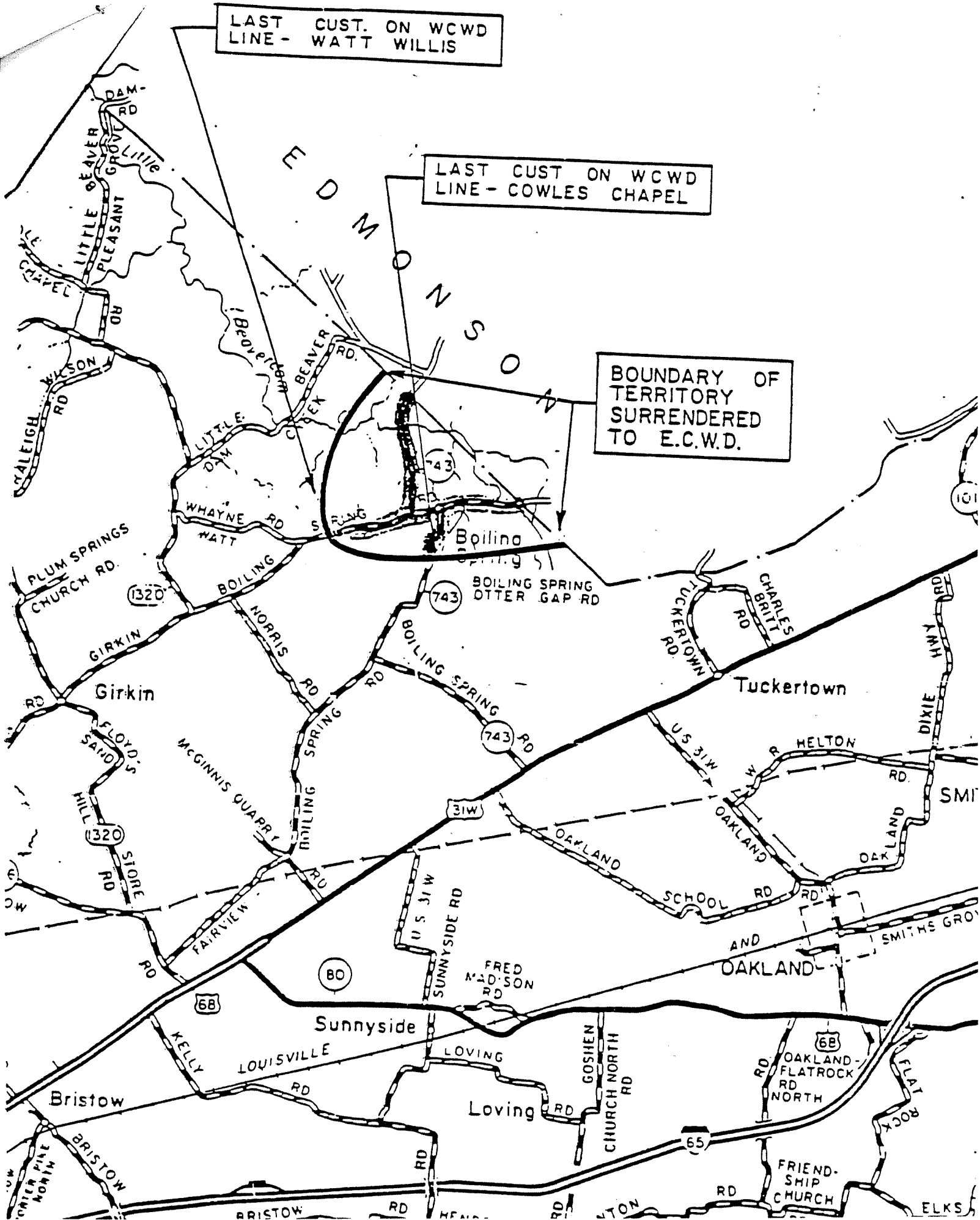
CERTIFICATE

I, Charles W. Marchand, Clerk of Warren County, Kentucky, do hereby certify that the attached order of Hon. Basil Griffin, County Judge-Executive of Warren County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive on the 23rd day of March, 1984, as appears in the order book.

This 23rd day of March, 1984.



Clerk, Warren County, Kentucky



ORDER

*Part
Giving to
Co to Edmon*

WHEREAS, the Warren County Water District Board of Commissioners has presented a resolution to the Warren County Fiscal Court whereby the Edmonson County Water District has requested permission to acquire a portion of the Warren County Water District's unserved service area within the boundaries of Warren County Water District in Warren County, Kentucky, and connect the Edmonson County Water District water mains to the Warren County Water District water mains for emergency backfeed purposes;

WHEREAS, it would be in the best interest of the perspective customers of the proposed service area to be served by the Edmonson County Water District and the customers of the Warren County Water District to have the two Water Districts water mains connected;

NOW, THEREFORE, BE IT ORDERED by the Fiscal Court of Warren County, Kentucky, that:

The area to be served by the Edmonson County Water District as described in the resolution of the Warren County Water District Board of Commissioners be ceded to the Edmonson County Water District for the purpose of providing retail and wholesale water sales and service to the inhabitants of said area, provided the Edmonson County Water District and Warren County Water District are connected for emergency backfeed purposes.

ADOPTED after being duly moved by Esquire White and seconded by Esquire Stahl, at a Regular meeting of the Warren County Fiscal Court held on the 22 day of July, 1983.

ATTEST: Marie Smith
Clerk

Emil Guffey
Warren County Judge

COMMONWEALTH OF KENTUCKY

COUNTY OF WARREN

CERTIFICATE

I, Marie B. Smith, Clerk of the Warren County Fiscal Court,
do hereby certify that the foregoing Order is a true and correct copy of
the Order as appears in Order Book 13, Page 542, and having been
adopted at a Regular meeting of said Fiscal Court held on the 22 day
of July, 1983.

IN TESTIMONY WHEREOF, witness my hand this 22 day of July,
1983.

Marie B. Smith
Clerk

RESOLUTION

WHEREAS, the Edmonson County Water District has requested the Warren County Water District grant the Edmonson County Water District permission to undertake the construction of water transmission lines to serve customers within the boundaries of Warren County and within the service area of the Warren County Water District, and in addition, Edmonson County Water District will connect water mains where they dead end for emergency backfeed purposes;

WHEREAS, the Edmonson County Water District has applied for federal grants and loans for the purpose of constructing said water transmission lines;

WHEREAS, a proposed map of the service area is attached hereto and made a part hereof;

NOW, THEREFORE, BE IT RESOLVED by the Warren County Water District that it surrender to the Edmonson County Water District that portion of its service area located within the boundaries of Warren County as indicated on the attached map which is made a part hereof, provided the Edmonson County Water District and Warren County Water District connect their lines where they dead end near each other with the cost of connection being shared equally between the two Districts and with the work meeting the specifications of both Districts. The connection will be used for emergency backfeed and used in such a way as not to interfere with service to customers of the District from whom emergency water is being secured. Water sold from one District to the other will be billed on the established rate of the District selling the water;

AND BE IT FURTHER RESOLVED that a copy of this resolution be delivered to the Fiscal Court of Warren County, Kentucky, for such appropriate action as it may take to effect the speedy construction of said water transmission lines;

ADOPTED after having been moved by B. P. Sublett, and seconded by L. E. Smith, at a Special meeting of the Warren County Water District Board of Commissioners on the 18 day of July, 1983.

Marion C. Jenkins
Chairman

ATTEST: L. E. Smith
Secretary

COMMONWEALTH OF KENTUCKY

COUNTY OF WARREN

CERTIFICATE

I, L. E. Smith, Secretary of the Board of Commissioners of the Warren County Water District, do hereby certify that the foregoing resolution is a true and correct copy of the resolution as appears in the minute book of Warren County Water District and having been adopted at a special meeting of said Board of Commissioners held on the 18 day of July, 1983.

IN TESTIMONY WHEREOF, witness my hand this 18 day of July, 1983.

L. E. Smith
Secretary

(SEAL)

Term. Day. Day of

ORDER

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Grayson County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District:

Whereas, the undersigned, as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District:

Whereas, the territory originally proposed to be stricken from the Grayson County Water District was reduced by resolution of the Commission of said Water District to that territory described as follows, which territory lies completely within the territory described previously:

Whereas, the proposed action of the undersigned was duly advertised in the Grayson County News-Gazette and this day set for hearing on the proposed striking off and annexation:

Whereas, there has been no objection or exception filed to the proposed action:

NOW, THEREFORE, BE IT ORDERED, that:

The following territory of Grayson County, Kentucky, be, and it hereby is, stricken from the service area of the Grayson County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at a point in the north right of way of Kentucky Highway 259 and the east right of way of Bloomington Church Road; thence northeast and parallel with the north right of way of Kentucky Highway 226 to the point where the St. Augustine's Church Road intersects with Kentucky Highway 88, thence continuing northeast to the headwater of Pearson Branch; thence southeast with the meanders of said branch to its confluence with Nolin Reservoir, thence continuing southeast, a straight line to the intersection of Kentucky Highway 479 and the Pearman Road; thence east, a straight line to the intersection of Kentucky Highway 1214 and the Hart County Line; thence south and west with the line of Hart County and continuing with the line of Edmonson County to a point west of Kentucky Highway 259 and being one mile west thereof; thence north, parallel with said highway to a point in Long Branch; thence north, a straight line, to a point in the north right of way of Kentucky Highway 259 and the east right of way of Bloomington Church Road, the beginning.

This 26th day of March, 1984.

/s/Charles L Lively
Charles Lively,
County Judge-Executive
Grayson County, Kentucky

CERTIFICATE

I, Margaret Woosley, Clerk of Grayson County, Kentucky do hereby certify that the attached order of Hon. Charles Lively, County Judge-Executive of Grayson County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive on the 26th day of March, 1984, as appears in the order book.

This 26th day of March, 1984.

Margaret Woosley
Clerk, Grayson County, Kentucky
BY: Alverta Gibson, D.C.

Filed: 3-26-84

ORDER

1986

EXHIBIT 1
Rec'd PAGE 45 of 78
Date 5-1-86

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Grayson County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned, as County Judge-Executive has entered an order setting the 21st day of April, 1986, as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the territory originally proposed to be stricken from the Grayson County Water District was reduced by resolution of the Commission of said Water District to that territory described as follows, which territory lies completely within the territory described previously;

Whereas, the proposed action of the undersigned was duly advertised in the Grayson County News-Gazette and April 21, 1986, was day set for hearing on the proposed striking off and annexation;

Whereas, there has been no objection or exception filed to the proposed action;

NOW, THEREFORE, BE IT ORDERED, that:

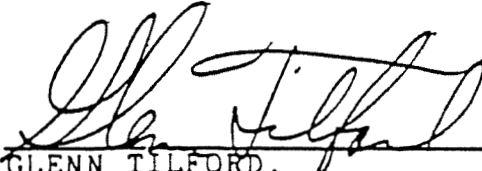
The following territory of Grayson County, Kentucky, be, and it hereby is, stricken from the service area of the Grayson County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at a point in the boundary of the Edmonson County Water District Service Area, said point being midway between the St. Augustine's Church Road right of way and Kentucky Highway 259; thence north, and parallel with the east right of way of

GRAYSON CO 1986

120
cucky Highway 25. to Millers Fork of Bear Creek; thence with
the meanders of Millers Fork of Bear Creek to its junction with
Bear Creek; thence S 45° W, a straight line to the East right of
way of Leitchfield-Brownsville Road; thence due West 200 feet to
a point; and thence South and parallel with Leitchfield-
Brownsville Road to the boundary of the Edmonson County Water
District Service Area.

This 1st day of May, 1986.



GLENN TILFORD,
COUNTY JUDGE-EXECUTIVE
GRAYSON COUNTY, KENTUCKY

CERTIFICATE

I, MARGARET WOOSLEY, Clerk of Grayson County, Kentucky do
hereby certify that the attached order of Hon. Glenn Tilford,
County Judge-Executive of Grayson County, Kentucky, is a true and
correct copy of the order signed by said County Judge-Executive
on the 1st day of May, 1986, as appears in the order book.

This 1st day of May, 1986.



Clerk, Grayson County, Ken-
tucky

State of Kentucky
County of Grayson . . . 83
This instrument was filed for record on the 1st day of
May 1986 at 9:00 o'clock A.M.
and duly recorded in Co. Clerk Book 11
Page 37 of the records of this office.
ATTN: Margaret Woosley, Clerk
By Shirley Bevan Deputy Clerk

ORDER

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Butler County Water System has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the proposed action of the undersigned was duly advertised in The Green River Republican and this day set for hearing on the proposed striking off and annexation;

Whereas, there has been no objection or exception filed to the proposed action;


NOW, THEREFORE, BE IT ORDERED, That:

The following territory of Butler County, Kentucky, be, and it hereby is, stricken from the service area of the Butler County Water System, Inc., and the same annexed to the service area of the Edmonson County Water District, from and after this date, the territory is described as follows:

BEGINNING at a point in the common boundary line of the Butler and Edmonson counties 200 feet north of the intersection of the West right of way line of Kentucky Highway 185 with said boundary line; thence two hundred feet from and parallel with the center line of Kentucky Highway 185 south to 200 feet south of the intersection of said right of way line again with said boundary, and being that portion of Butler County adjoining Kentucky Highway 185 where it jags into Butler County from Edmonson County and North of the intersection of Kentucky Highway 185 and Kentucky Highway 70.

BUTLER CO

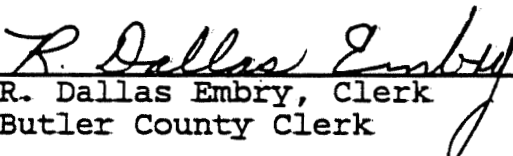
This 14th day of June, 1988.



David Martin
County Judge-Executive
Butler County, Kentucky

I, R. Dallas Embry, Clerk of Butler County, Kentucky, do hereby certify that the attached order of Hon. David Martin, County Judge-Executive of Butler County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive on the 14th day of June, 1988, as appears in the order book.

This 14th day of June, 1988.



R. Dallas Embry, Clerk
Butler County Clerk

OFFICE OF GRAYSON COUNTY JUDGE/EXECUTIVE


O R D E R

Pursuant to the petitions of the Grayson County Water District and the Edmonson County Water District, and the court having set the matter down for a public hearing on the 8th day of September, 1989, at 9:00 AM, and no objections having been made or heard, it is, therefore

ORDERED that the following territory will be stricken from the Grayson County Water District upon the request of the Commissioners of said District and shall be annexed to the Edmonson County Water District upon the petition of said District, said territory being described as follows

BEGINNING at a point in the present service area boundary of the Edmonson County Water District where said boundary intersects with the south right of way of Ellison Ridge Road; thence North, and parallel with the center line of Kentucky Highway 88 to a point in the center of Cedar Lick; thence east with the meanders of Cedar Lick, crossing Kentucky Highway 88 to a point 200 feet east of the east right of way of said Highway; thence south and parallel with said right of way to the present boundary of the Edmonson County Water District.

This 26 day of September, 1989,



COUNTY JUDGE-EXECUTIVE
GRAYSON COUNTY, KENTUCKY

State of Kentucky
County of Grayson..SS

This instrument was filed for record on the 26 day of Sept, 1989, at 9:00 o'clock P.M., and duly recorded in Book 432 Book..... Page 432 of the records of this office.
ATT: Margaret Woosley, Clerk
By: Margaret Woosley Deputy Clerk

State of Kentucky, County of Grayson...SCT
I, Margaret Woosley, Clerk of the County and State aforesaid certify that the foregoing is a true and correct copy of said instrument as appears on record in my said office, recorded in Book 432 Page 432

Witness my hand this 26 day of Sept, 1989.
ATT: Margaret Woosley, Clerk
By: Margaret Woosley, D.C.

Rec'd _____

Tax _____

Date 10-26-89

450

OFFICE OF THE COUNTY JUDGE/EXECUTIVE
GRAYSON COUNTY, KENTUCKY

IN THE MATTER OF THE GRAYSON AND EDMONSON
COUNTIES WATER DISTRICTS

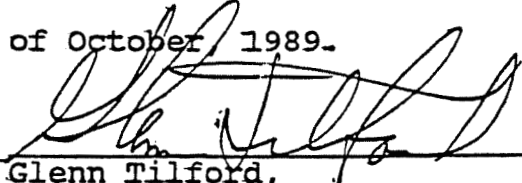
AMENDED ORDER

On motion of the Edmonson County Water District and the Grayson County Water District, and the court being sufficiently advised, it is hereby ordered, that:

The order of the Grayson County Judge/Executive dated the 26th day of Sept, 1989, be, and it hereby is amended as to the description of the territory to be stricken from the Grayson County Water District and added to the Edmonson County Water District, and said description shall read as follows:

BEGINNING at a point in the present service area of boundary of the Edmonson County Water District where said boundary intersects with the south right of way of Ellison Ridge Road; thence north, and parallel with the center line of Kentucky Highway 88 to a point in the north line of Vanley Franklin thence east, with line of said Franklin, and continuing, crossing Kentucky Highway 88 to a point 200 feet east of the east right of way of said highway; thence south meandering with and parallel to said right of way to the present boundary of the Edmonson County Water District.

This 26 day of October, 1989.



Glenn Tilford,
Grayson County Judge/Executive

COMMONWEALTH OF KENTUCKY

CLERK'S CERTIFICATE

COUNTY OF GRAYSON. . . .SCT

I, MARGARET WOOSLEY, Grayson County Clerk, do hereby certify that the foregoing is a true and correct copy of an order of the Grayson County Judge/Executive as appears of record in my office in Final O Book, at page 450.

This 26 day of October, 1989.

MARGARET WOOSLEY, CLERK
GRAYSON COUNTY, KENTUCKY

BY: *Margaret Woosley* DC

COMMONWEALTH OF KENTUCKY
GRAYSON COUNTY

To The HONORABLE GLEN TILFORD, Judge/Executive of Grayson County,
Kentucky:

P E T I T I O N

Come the Commissioners of the Grayson County Water District and petition the Judge/Executive, pursuant to KRS 74.110, to strike the hereinafter described territory from the service area of the Grayson County Water District and annex it to the Edmonson County Water District on the grounds that Kentucky Highway 1075 commences in Edmonson County, Kentucky, and terminates in said county, and the roads running north from their intersection with said road extend into Grayson County, Kentucky, but there is no connection with public access within Grayson County.

And said territory is described as follows:

All of that territory lying north of the south boundary line of Grayson County, Kentucky, and contained within an area 1000 feet either side of the rights of way of those public roads running north of Kentucky Highway 1075 and to the extent of public access, but not to exceed one and one-half miles north from the south boundary line of Grayson County, Kentucky.


None of said territory has been assessed to pay the costs of any improvements to the Grayson County Water District, nor will a deficit occur by reason of the territory being stricken.

Filed herewith is the petition of the Edmonson County Water District seeking the addition of the described territory to its service area.

Adopted at a regular meeting of the Grayson County Water District

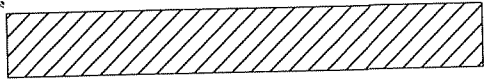
Commissioners held on the 18th day of November, 1991.

And respectfully submitted,


Edwin Nichols, Chairman

ATTEST:


Tony Darst, Secretary



HART CO 1992

ORDER

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Green River Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned, as County Judge-Executive had entered an order setting the 10th day of December, 1992, as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the proposed action of the undersigned and the hearing date was duly advertised in the Hart County News- Herald;

Whereas, there has been no objection or exception filed to the proposed action;

NOW, THEREFORE, BE IT ORDERED, that:

The following territory of Hart County, Kentucky, be, and it hereby is stricken from the service area of Green River Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at the intersection of the north right of way of Kentucky Highway 728 and Cave Hill Road: thence due North 200 feet to a point; thence East, running parallel with the North right of way of Kentucky Highway 728 to a point being 200 feet West of the West right of way of the E. Sullivan Road; thence North and 200 feet parallel with the E. Sullivan Road 500 feet to a point; thence due East traversing the E. Sullivan Road to a point 200 feet East of the East right of way of the E. Sullivan Road; thence South and parallel with the East right of way of the E. Sullivan Road to a point 200 feet North of the North right of way of Kentucky Highway 728: thence East and parallel with the North right of way of Kentucky 728 for a distance of 1,500 feet; thence South traversing Kentucky Highway 728 to a point 200 feet South of the South right of way of Kentucky Highway 728 to a point; thence West and parallel with the South right of way of Kentucky Highway 728 to a point 200 feet East of the East right of way of Kentucky Highway 1140: thence South and parallel with the East right of way of Kentucky Highway 1140 for a distance of 7,500 feet to a point; thence West traversing Kentucky Highway 1140 to point 200 feet West of the West right of way of Kentucky Highway 1140; thence North parallel with the West right of way of Kentucky Highway 1140 to a point 200 feet South of the South right of way of Kentucky Highway 728:

thence West parallel with the South right of way of Kentucky Highway 728 to a point in the Service Area Boundary of the Edmonson County Water District; thence North to the beginning.

This 3RD day of ~~April~~^{MAY}, 1993.

Vincent Lang
Vincent Lang
Hart County Judge/Executive

CERTIFICATE

I, Sallie Marshall, Clerk of hart County, Kentucky do hereby certify that the attached order of Hon. Vincent Lang, County Judge-Executive of Hart County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive on the 3 day of ~~April~~^{May}, 1993, as appears in the order book.

This 3 day of May, 1993.

Sallie Marshall
Sallie Marshall, Clerk
Hart County, Kentucky

GRAYSON CO 1994

Filed
Jan 4, 1994

GRAYSON COUNTY JUDGE/EXECUTIVE
GRAYSON COUNTY, KENTUCKY

ORDER

IN THE MATTER OF STRIKING TERRITORY FROM GRAYSON
COUNTY WATER DISTRICT AND ANNEXING THE SAME TO
THE EDMONSON COUNTY WATER DISTRICT.

This the 30th day of November, 1993, being the day set for a hearing on the petition of the Grayson County Water District to strike territory from its statutory service area and the petition of the Edmonson County Water District to annex the same territory, and it appearing that no one appeared at the hearing to protest the actions sought by the two water districts, nor has anyone filed any objections or protests;

It appearing that the actions sought will benefit and work to the betterment of the citizens and inhabitants of Grayson County, Kentucky, located within the said territories, in that they are within areas which are planned to be served or areas subject to service by the Edmonson County Water District should such service be economically feasible;

It appearing that advertisement of the actions proposed to be taken has complied with the provisions of KRS Chapters 74 and 424;

NOW, THEREFORE, BE IT ORDERED, by the Grayson County Judge/Executive that the following areas be stricken from the service area of Grayson County Water District and annexed to the service area of the Edmonson County Water District from and after the date hereof:

Area No. One

BEGINNING at a point, said point being 2.10 miles north of the Edmonson County line and at the property of Connard Willis and 200 feet east of said property line's intersection or adjoining with the East right of way of Kentucky Highway 185; thence West 400 feet, plus the width of the right of way of Kentucky Highway 185, to a point 200 feet West of the west right of way of Kentucky Highway 185; thence South and parallel with the West right of way of said highway, continuing 200 feet therefrom to a point being in the North boundary of Edmonson County, Kentucky; thence East 400 feet, plus the width of the right of way of Kentucky Highway 185 and with the North boundary of Edmonson County to a point, being 200 feet East of the East right of way line of Kentucky Highway 185; thence North and parallel with the East right of way of said highway, continuing 200 feet therefrom to a point 2.10 miles north of the Edmonson County line, the beginning.

Area No. Two

BEGINNING at a point in the North boundary line of Edmonson County Kentucky; and

1994

284

1992

200 feet West of the West right of way of the Glenn Russell or J. Carroll road, being a road running North from the New Salem Church Road into Grayson County and generally parallel with Nell's Branch of Bear Creek; thence North and parallel with the West right of way of said road and 200 feet therefrom, to a point where said road right of way (if extended) intersects with the South bank of Bear Creek; thence East with the meanders of the South bank of Bear Creek to the mouth of Nell's Branch of Bear Creek; thence South with the meanders of Nell's Branch of Bear Creek to where it intersects with the North boundary line of Edmonson County; thence West with the North Boundary of Edmonson County to the beginning.

Area No. Three

1992

BEGINNING at a point in the Service Area Boundary of Edmonson County Water District and being 200 feet north of the North bank of Cedar Lick; thence West with the meanders of the North bank of Cedar Lick to its intersection with the South bank of Bear Creek; thence with the meanders of the South bank of Bear Creek to its intersection with the Service Area Boundary of Edmonson County Water District, and additionally that portion of St. Augustine's Church Road within the proposed water line expansion project of the said District, being 7,060 feet north of the north right of way of Kentucky State Highway 88.

Area No. Four

1992

BEGINNING at a point, said point being 200 feet West of the West right of way of Kentucky State Highway 1356 where it intersects the South right of way of Kentucky State Highway 1214; thence South, and parallel with the West right of way of Kentucky State Highway 1356 and 200 feet therefrom to its intersection with the center of Hunting Fork of Rock Creek; thence West with the meanders of Hunting Fork of Rock Creek to the East fee line of Nolin Reservoir; thence with the East fee line of Nolin Reservoir to the present, existing Service Area boundary of the Edmonson County Water District; thence East with the meanders of said boundary of the Edmonson County Water District to its intersection with the West fee line of Nolin Reservoir where said reservoir marks the boundary between Grayson County and Hart County; thence North with the West fee line of said reservoir, continuing with Nolin River, to its intersection with the North right of way of Kentucky State Highway 1214, thence continuing North 200 feet, plus the width of the right of way of Kentucky State Highway 1214, along said river to a point; thence West and parallel with the north right of way of Kentucky State Highway 1214, and 200 feet therefrom, to a point, said point being 200 feet, plus the width of Kentucky State Highway 1214, from the beginning point; and thence South 200 feet, plus the width of Kentucky State Highway 1214, a straight and direct line to the beginning.

Done this 30th day of December, 1993, at Leitchfield, Grayson County, Kentucky.

[Signature]
Glenn Tilford, Judge, Executive
Grayson County, Kentucky

State of Kentucky
County of Grayson...SS
This instrument was filed for record on the 4th day of
Dec. 1993 at 4:20 P.M.
and duly recorded in Book 24 Book
Page 100 of the records of this office.
ATTN: [Signature]
By [Signature]

1997

 NORTH EDMONSON CO

Order

Whereas, the Edmonson County Water District having moved the Edmonson County Judge/Executive to enter an order correcting and establishing the boundaries of the service area of the Edmonson County Water District as it exists within the boundaries of the said county and as established by appropriate acts of the General Assembly of the Commonwealth of Kentucky;

Whereas, the original orders of the Edmonson County Judge establishing the service areas neglected to include all of the territory of Edmonson County through oversight;

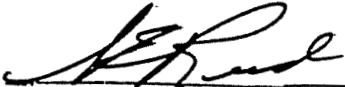
Whereas, the original service areas of the North Edmonson County Water District and the South Edmonson County Water District were intended to include all of Edmonson County;

Whereas, there are certain portions of the service area within the boundaries of Edmonson County which have been attached to or annexed to other duly constituted water districts, to-wit: Warren County Water District, Butler County Water District and Green River Valley Water District, to which orders of deannexation reference is made;

NOW, THEREFORE, BE IT ORDERED BY THE EDMONSON COUNTY COURT, THAT:

The original order of the Edmonson County Judge uniting the North Edmonson County Water District and the South Edmonson County Water District is hereby amended nunc pro tunc to include all of Edmonson County within the service area of the Edmonson County Water District, save and except those portions not heretofore deannexed by appropriate court order and that portion of Edmonson County which lies within the boundaries of the City of Brownsville as existing at the time of the creation of the two water districts.

This 25 day of March, 1997.



Edmonson County Judge/Executive

NUNC PRO TUNC O R D E R

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, The Edmonson County Water District had submitted to the undersigned County Judge/Executive the following order to have been signed on June 27, 1997, after a hearing had been set, and through oversight or error, the order had not been signed on that date, or thereafter,

NOW, THEREFORE, IT IS HEREBY ORDERED, NUNC PRO TUNC AS OF JUNE 27, 1997, THAT THE FOLLOWING ORDER BE, AND IT HEREBY IS, ENTERED:

ORDER

Whereas, the Green River Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned, as County/Judge Executive, had entered an order setting the 27th day of June, 1997, as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the proposed action of the undersigned and the hearing date and time was duly advertised in the Hart County News-Herald;

Whereas, there have been no objections or exceptions filed to the proposed annexation, and it is found that the annexation is reasonably necessary;


NOW, THEREFORE, BE IT ORDERED, THAT

The following territory of Hart County, Kentucky, be, and it hereby is stricken from the service area of Green River Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date:

BEGINNING at a point in the existing service area boundary of the Edmonson County Water District and being 200 feet North of the intersection of Cave Hill Road and Kentucky State Highway 728; thence South and East, parallel with the North right

of way of Hwy 728 to a point, said point being 200 feet North and West from the West right of way of Kentucky State Highway 1140; thence North and East approximately .8 of a mile and 200 feet parallel to Hwy 1140, continuing with the E. Sullivan Road; thence East approximately .2 of a mile and thence South and West to a point 200 feet North of the North right of way of Kentucky Highway 728; thence South 460 feet to a point approximately 200 feet South of the South right of way of Kentucky Highway 728; thence West to a point 200 feet East of the East right of way of Kentucky Highway 1140; thence South and East continuing parallel with said right of way to the West boundary of the City of Munfordville; thence continuing South with said boundary of the City of Munfordville and thence to the existing boundaries of the service area of the Edmonson County Water District.

This 19 day of November, 1997.


Terry Shelton,
County Judge/Executive
Hart County, Kentucky

COMMONWEALTH OF KENTUCKY
CLERK'S CERTIFICATE
COUNTY OF HART

I, Doris Crain, County Clerk of Hart County, Kentucky, do hereby certify that the foregoing is a true and correct copy of an order of the Hart County Judge/Executive as appears in Order Book 13, page 554, of the records of my office.

This 19 day of November, 1997.

Doris Crain, Clerk
Hart County, Kentucky

By: Doris Crain

STATE OF KENTUCKY, COUNTY OF HART
I, Doris Crain, County Clerk of Hart County, Kentucky, do hereby certify that the foregoing is a true and correct copy of the Order as recorded in Order Book 13 Page 554

Witness my hand this 19 day of Nov, 1997
DORIS CRAIN, CLERK

By Doris Crain Clerk D.C.



HART CO 1997
Text

RESOLUTION

Whereas, the Green River 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 is generally described as all that territory lying within the boundaries of Hart County, Kentucky, save and except those portions heretofore annexed by the Edmonson County Water District;

Whereas, there exists a portion of Hart County, Kentucky, adjacent to and adjoining the current service area of the Edmonson County Water District in Hart County, Kentucky, which has expressed an interest in obtaining water services from the Edmonson County Water District, and there are plans to construct, build and lay water transmission lines within said area;

Whereas, it would not be economically feasible for the Green River Water District to serve that area with water;

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 in the boundary line of Hart County where it intersects with the East right of way of Wheelers Mill Road (Kentucky State Highway 694); thence East two hundred feet with said county boundary; thence South and East with the meanders of the North right of way of Wheelers Mill Road and two hundred feet therefrom to a point two hundred feet North of the North right of way of Kesserling Road, continuing East with the meanders of the North right of way of Kesserling Road and two hundred feet therefrom, and continuing East with the meanders of Kentucky Highway 728 to a point approximately 2,000 feet West of the intersection of Kentucky Highway 728 and Kentucky Highway 1140, at Priceville; thence Northeast, a straight line to the South right of way of Kentucky Highway 1140, and continuing Northeast two hundred feet to a point; thence Southeast with the meanders of Kentucky Highway

1140 and two hundred feet therefrom to a point two hundred feet West of the West right of way of E. Sullivan Road; thence Northeast with the meanders of said E. Sullivan Road to a point two hundred feet West of the West right of way of Priceville Road; thence North with the meanders of the west right of way of Priceville Road and two hundred feet therefrom for a distance of 1,000 feet; thence East four hundred feet, plus the width of the right of way, crossing Priceville Road; thence South with the meanders of Priceville Road, and two hundred feet therefrom, to a point two hundred feet from the right of way of E. Sullivan Road; thence North with the meanders of E. Sullivan Road and two hundred feet therefrom for a distance of 500 feet; thence South, crossing E. Sullivan Road, 400 hundred feet, plus the width of the right of way; thence South and West with the meanders of the East right of way of E. Sullivan Road to a point being two hundred feet North of the North right of way of Kentucky Highway 728; thence East approximately 3,500 feet with the meanders of Kentucky Highway 728 and two hundred feet therefrom; Thence due South, crossing Kentucky Highway 728 to a point two hundred feet North of the North right of way of Kentucky 1140 (Rader Hollow Road); thence South and East with the meanders of Kentucky Highway 1140 to a point two hundred feet from the West right of way of Mud Branch Road; thence North and East with the right of way of Mud Branch and two hundred feet therefrom for a distance of approximately 9,500 feet; thence Southeast four hundred feet, plus the width of the right of way, crossing Mud Branch Road to a point; thence South and West with the meanders of the South right of way of Mud Branch Road to a point two hundred feet North of the North right of way of Kentucky Highway 1140 (Rader Hollow Road); thence continuing South and East with the meanders of the North right of way of Kentucky Highway 1140 to a point two hundred feet west of the west right of way of Rocky Hill Road; thence North and East with the meanders of the West right of way of Rocky Hill Road approximately 3,700 feet to a point; thence East four hundred feet, plus the width of the right of way, to a point; thence South and West with the meanders of Rocky Hill Road to a point two hundred feet North of the North right of way of Kentucky Highway 1140; thence South and East with the meanders of the North right of way of Kentucky Highway 1140 to its intersection with the corporate limits of Munfordville, and being all that territory South and West of said line.

Adopted at a regular meeting of the Green River Water District Board of Commissioners held on the 10 day of July, 1997.


Chairman, Green River Water District

ATTEST:

Donald McDonald, Secretary, Green River Water District

COMMONWEALTH OF KENTUCKY

COUNTY OF HART. . . .SCT

I, Donald McDonald, Secretary of Green River 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 Riverr District held on the 10 day of July, 1997, as appears from the minutes of said board.

This 10 day of July, 1997.

Donald McDonald
Secretary, Green River Water District

OFFICE OF THE COUNTY JUDGE/EXECUTIVE
HART COUNTY, KENTUCKY

ORDER

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Edmonson County Water District has therefore petitioned that certain territory of Hart County, Kentucky, be annexed or added to the service area of said water district;

Whereas, the undersigned as County Judge/Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the proposed action of the undersigned was duly advertised in Hart County News Herald and this day set for hearing on the proposed striking off and annexation;

Whereas, there has been no objection or exception filed to the proposed action;

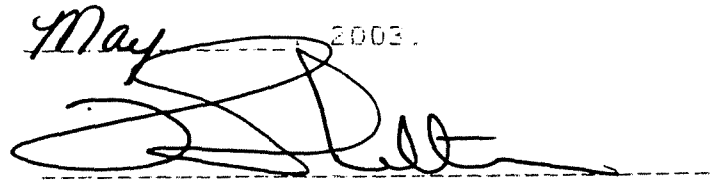
NOW, THEREFORE, BE IT ORDERED, That:

The following territory of Hart County, Kentucky, be, and it hereby is annexed to the service area of the Edmonson County Water District, from and after this date,

the territory is described as follows:

BEGINNING at a point, the intersection of Kentucky Highway 728 and 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.

This 15 day of May 2003.



Terry Shelton,
County Judge/Executive
Hart County, Kentucky

COMMONWEALTH OF KENTUCKY

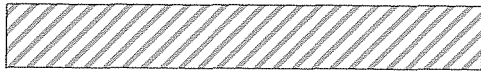
CERTIFICATE

COUNTY OF Hart....SCT

I, Donna Centers, Clerk of Hart County, Kentucky, do hereby certify that the attached order of Hon. Terry Shelton, County Judge/Executive of Hart County, Kentucky, is a true and correct copy of the order signed by said County Judge/Executive on the 1st day of May, 2003, as appears in the order book, in Book 14, Page 563, 2003.

This 1st day of May, 2003.

Donna Centers
Hart County Clerk



HART CO 2003

OFFICE OF THE COUNTY JUDGE-EXECUTIVE
HART COUNTY, KENTUCKY

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT
PETITION

Comes the Edmonson County Water District pursuant to KRS 74.115, a request having been filed with the Commission of said District by two freeholders of Hart County, Kentucky, for the services of the Edmonson County Water District, and petition for the right to annex or add the following territory of Hart County, Kentucky, to the Edmonson County Water District:

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.

This 22 day of October, 2002.

Harold Stewart
Chairman, Edmonson County
Water District

ATTEST:

Jacqui McCord
Secretary, Edmonson County
Water District

NOTICE

The following territory will be annexed to the Edmonson County Water District upon the petition of the Commissioners of the said Water District on the 15 day of May, 2003, at the hour of 9:00, A.M., at which time there shall be a hearing on said petition, by order of the County Judge/Executive of Hart County, Kentucky, and objections and exceptions may be filed with the said County Judge/Executive prior to that day.

The 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.

This 15 day of May, 2003.

Terry Shelton
County Judge/Executive
Hart County, Kentucky

OFFICE OF THE COUNTY JUDGE-EXECUTIVE
HART COUNTY, KENTUCKY

IN THE MATTER OF THE GREEN RIVER VALLEY WATER DISTRICT

Comes the Board of Commissioners of the Edmonson County Water District of Brownsville, Kentucky, and for its petition states as follows:

1. The Green River Valley Water District has agreed with the Edmonson County Water District that an area included within the boundaries of Hart County, Kentucky, within the service area of Green River Valley Water District shall be ceded to the Edmonson County Water District and the two districts have heretofore cooperated with one another to accomplish the absorption of the hereinafter described area into the Edmonson County Water District;

2. Whereas KRS 74.110 provides that a petition must be filed with the County Judge-Executive of Hart County, Kentucky, setting forth the territory proposed to be annexed by the Edmonson County Water District;

3. Whereas the Green River Valley Water District has not incurred any expenses or debts relative to said area and has not entered into any contracts or obligations in said area, nor does it have any customers or other persons dependant upon it in said area;

4. The Edmonson County Water District will be advertising for bids for construction of water lines within Hart County, Kentucky, and it is willing and able to undertake the servicing of said area of the Green River Valley Water District;

5. The description of the area is 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.

6. A copy of a resolution of the Green River Valley Water District Board of Commissioners is attached hereto requesting the relief sought by this petition.

WHEREFORE, the Edmonson County Water District, by and through its Board

of Commissioners, hereby petitions the County Judge-Executive of Hart County, Kentucky, to enter an order annexing the said territory to the Edmonson County Water District.

This 22 day of Oct., 2002.



Chairman, Edmonson County
Water District

ATTEST:



Secretary, Edmonson County
Water District

HART COUNTY NEWS HERALD
MAY 8, 2003

NOTICE

The following territory will be annexed to the Edmonson County Water District upon the petition of the Commissioners of the said Water District on the 15th day of May, 2003, at the hour of 9:00 A.M., at which time there shall be a hearing on said petition, by order of the County Judge/Executive of Hart County, Kentucky, and objections and exceptions may be filed with the said County Judge/Executive prior to that day.

The 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.

Terry Shelton, County Judge/Executive
Hart County, Kentucky

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:

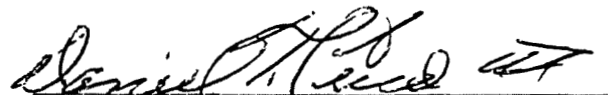
The Edmonson County Water District accept the territory hereinafter described and that it petition the County Judge-Executive of Hart County, Kentucky, for an order annexing the territory;

Said territory is described as follows:

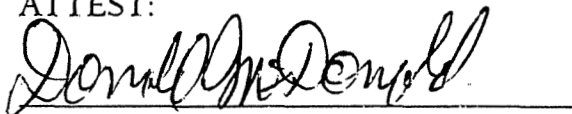
BEGINNING at a point, the intersection of Kentucky Highway 728 with

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 BannerSCT

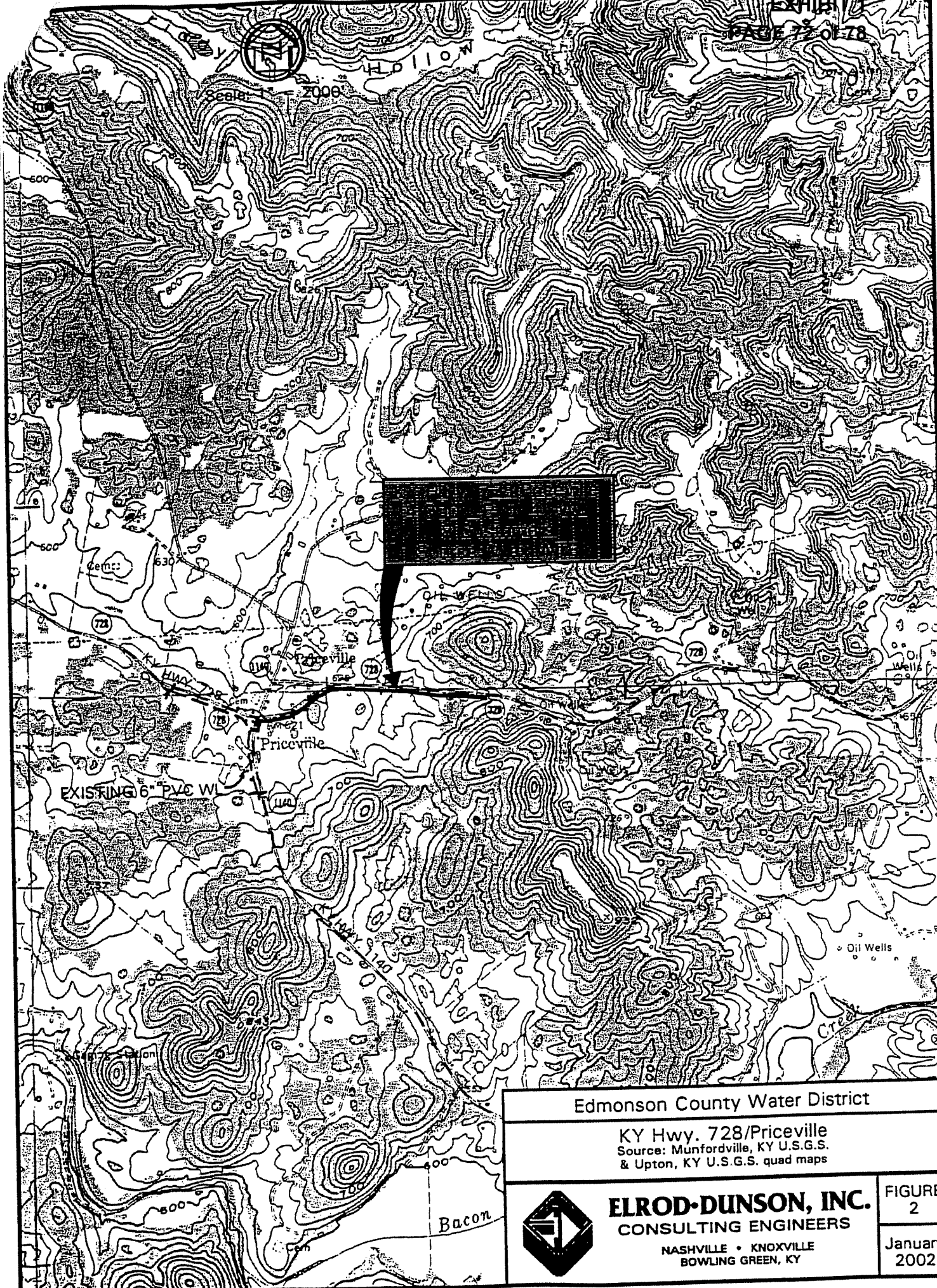
I, Donald McDonald, Secretary of Green River Valley Water District, do hereby certify that the foregoing is a true and correct copy of the Resolution adopted at a regular meeting of the Green River Valley Water District held on the 12 day of February, 2002, as appears from the minutes of said board.

This 12 day of February, 2002


Secretary, Green River Valley
Water District



Scale: 1" = 2000'



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

OFFICE OF THE COUNTY JUDGE/EXECUTIVE
WARREN COUNTY, KENTUCKY

ORDER

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Warren County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the proposed action of the undersigned was duly advertised in The Park City News and this day set for hearing on the proposed striking off and annexation;

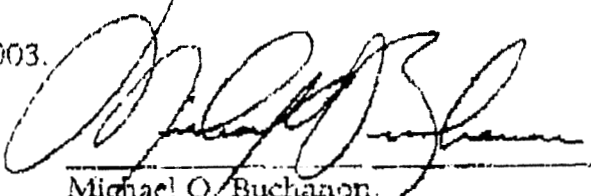
Whereas, there has been no objection or exception filed to the proposed action;
NOW, THEREFORE, BE IT ORDERED, That

The following territory of Warren County, Kentucky, be, and it hereby is, stricken from the service area of the Warren County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date,

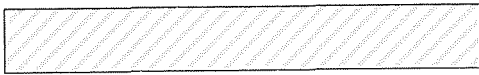
the territory is described as follows:

BEGINNING at a point in adjacent to or adjoining Little Beaver Dam Creek Road and the end of the existing four inch water transmission line of the Edmonson County Water District in Warren County, Kentucky; thence with the meanders of said Little Beaver Dam Creek Road and 200 feet either side of the center line of said road for a distance of 2,000 feet.

This 13th day of June, 2003.



Michael O. Buchanan,
County Judge-Executive
Warren County, Kentucky



NOTICE

The following territory will be stricken from the Warren County Water District upon the request of the Commissioners of said District and shall be annexed to the Edmonson County Water District upon the petition of the Commissioners of the Edmonson County Water District on the ____ day of _____, 2002, at the hour of _____, __M., at which time there shall be a hearing on said petition, by order of the County Judge-Executive of Warren County, Kentucky, and objections and exceptions may be filed with the said County Judge-Executive prior to that day.

The territory is described as follows:

BEGINNING at a point in adjacent to or adjoining Little Beaver Dam Creek Road and the end of the existing four inch water transmission line of the Edmonson County Water District in Warren County, Kentucky; thence with the meanders of said Little Beaver Dam Creek Road and 200 feet either side of the center line of said road for a distance of 2,000 feet.

This 5th day of February, ²⁰⁰³~~2002~~.

Michael O. Buchanon,
County Judge-Executive
Warren County, Kentucky

OFFICE OF THE COUNTY JUDGE/EXECUTIVE
WARREN COUNTY, KENTUCKY

O R D E R

IN THE MATTER OF THE EDMONSON COUNTY WATER DISTRICT

Whereas, the Warren County Water District has heretofore requested that there be a striking off of certain of its territory pursuant to the request of the Edmonson County Water District;

Whereas, the undersigned as County Judge-Executive has entered an order setting this day as the day for hearing objections to the annexation of the said territory to the Edmonson County Water District;

Whereas, the proposed action of the undersigned was duly advertised in _____ and this day set for hearing on the proposed striking off and annexation;

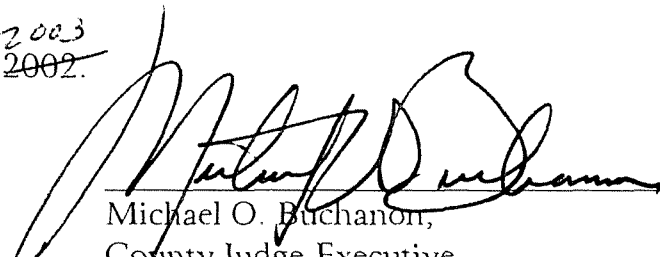
Whereas, there has been no objection or exception filed to the proposed action;
NOW, THEREFORE, BE IT ORDERED, That:

The following territory of Warren County, Kentucky, be, and it hereby is, stricken from the service area of the Warren County Water District and the same annexed to the service area of the Edmonson County Water District, from and after this date,

the territory is described as follows:

BEGINNING at a point in adjacent to or adjoining Little Beaver Dam Creek Road and the end of the existing four inch water transmission line of the Edmonson County Water District in Warren County, Kentucky; thence with the meanders of said Little Beaver Dam Creek Road and 200 feet either side of the center line of said road for a distance of 2,000 feet.

This 5th day of February, ~~2002~~²⁰⁰³.


Michael O. Buchanan,
County Judge-Executive
Warren County, Kentucky

COMMONWEALTH OF KENTUCKY

CERTIFICATE

COUNTY OF WARREN. . . .SCT

I, Yvonne Guy, Clerk of Warren County, Kentucky, do hereby certify that the attached order of Hon. Michael O. Buchanon, County Judge-Executive of Warren County, Kentucky, is a true and correct copy of the order signed by said County Judge-Executive, on the 5th day of February, ~~2002~~²⁰⁰³, as appears in the order book, in Book 17, page 41.

This 5th day of February, ~~2002~~²⁰⁰³.

Dot Owens
~~Yvonne Guy~~, Dot Owens
Warren County Clerk

COMMONWALTH OF KENTUCKY
COUNTY OF EDMONSON

EXECUTIVE ORDER OF THE COUNTY
JUDGE/EXECUTIVE PURSUANT TO
KRS 74.115 and 74.110 (3)


This matter this day came on for hearing before the Edmonson County Judge/Executive, Honorable N.E. Reed, pursuant to KRS 74.115 and 74.110 (3) upon a petition filed by a number of freeholders of Edmonson County, Kentucky, and upon a Petition filed by the Warren County Water District to extend its water lines into the following area in Edmonson County, Kentucky to-wit:

THAT certain area beginning at a point in the centerline of State Highway No. 1749, said point being at the intersection of the common boundary line of Warren County Water District and Edmonson County Water District and said highway; thence in a northwesterly direction along said common boundary line between Warren County Water District and Edmonson County Water District 1,000 feet to a point; thence in a northeasterly direction parallel to State Highway No. 1749 2,400 feet to a point 1,000 feet northwest of State Highway 1749; thence in a southeasterly direction on a course 90° of the previous course 2,000 feet to a point 1,000 feet southeast of State Highway 1749; thence in a southwesterly direction on a course 90° of the previous course 2,700 feet to a point in the common boundary line of Warren County Water District and Edmonson County Water District; thence in a northerly direction along said common boundary line of Warren County Water District and Edmonson County Water District 1,200 feet to the point of beginning.

WHEREAS, no one appeared at the hearing objecting to the proposed extension and the Edmonson County Water District has requested that the above described area be stricken off from its territory pursuant to the request of Warren County Water District; the undersigned County Judge/Executive N.E. Reed having considered the record and being sufficiently advised, is of the opinion that the petition should be granted and so adjudges. The Court finds that (1) the Warren County Water District petition to the Edmonson County Judge/Executive to annex the above described territory is in accordance with KRS 74.115; (2) the hearing was duly advertised as required by KRS 74.110(2); (3) that it is reasonably necessary that said extension be granted in order that the residents of said area can have potable public water as soon as possible; and (4) that it is in the best interest of all parties concerned that the relief sought in the petition be granted.

IT IS THEREFORE ORDERED by the undersigned County Judge/Executive, pursuant to KRS 74.110-115, that said Petition is hereby granted and that the Warren County Water District is hereby granted permission and authority to extend its water lines into the area above described for the purpose of serving the residents in said area with potable water and the above described territory is hereby stricken from the service area of Edmonson County Water District and same is annexed within the boundary of the Warren County Water District.

This the 9 day of AUGUST, 2010.



N.E. Reed, County Judge/Executive
Edmonson County, Kentucky

COMMONWALTH OF KENTUCKY

PETITION PURSUANT TO KRS 74.115

COUNTY OF EDMONSON

TO THE HONORABLE COUNTY JUDGE/EXECUTIVE OF EDMONSON COUNTY,
KENTUCKY:

A petition (Contracts for Water Service, Proposed New Extension) having been filed by 2 or more freeholders of Edmonson County, Kentucky, requesting Warren County Water District to provide water to their property. The Board of Commissioners of the Warren County Water District hereby petitions the County Judge/Executive of Edmonson County for the addition of the proposed territory into the boundaries of the Warren County Water District as follows:

THAT certain area beginning at a point in the centerline of State Highway No. 1749, said point being at the intersection of the common boundary line of Warren County Water District and Edmonson County Water District and said highway; thence in a northwesterly direction along said common boundary line between Warren County Water District and Edmonson County Water District 1,000 feet to a point; thence in a northeasterly direction parallel to State Highway No. 1749 2,400 feet to a point 1,000 feet northwest of State Highway 1749; thence in a southeasterly direction on a course 90° of the previous course 2,000 feet to a point 1,000 feet southeast of State Highway 1749; thence in a southwesterly direction on a course 90° of the previous course 2,700 feet to a point in the common boundary line of Warren County Water District and Edmonson County Water District; thence in a northerly direction along said common boundary line of Warren County Water District and Edmonson County Water District 1,200 feet to the point of beginning.

The Warren County Water District represents that it is in a position to feasibly serve said area;

NOW, THEREFORE, the Warren County Water District does hereby petition the Honorable County Judge/Executive of Edmonson County, Kentucky, pursuant to KRS 74.115, for the above described territory to be annexed within the boundaries of the Warren County Water District and for authority to extend Warren County Water District lines into the above described territory for the purpose of serving the residents potable drinking water.

This the 25th day of May, 2010.

WARREN COUNTY WATER DISTRICT

By: Henry Honaker
Henry Honaker, Chairman

EXHIBIT 2

RESOLUTION 19-_____

**A RESOLUTION OF THE BOARD OF COMMISSIONERS OF
EDMONSON COUNTY 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, Edmonson County Water District (“Edmonson District”) is a water district organized pursuant to KRS Chapter 74;

WHEREAS, pursuant to KRS 278.015, Edmonson 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 Edmonson District a letter setting forth the conditions under which it will award a grant of \$258,000 and a loan of \$1,032,000 to Edmonson County Water District for the following purposes: to construct approximately 2,750 foot of four-inch water main to provide service to one customer; to interconnect Edmonson District’s water system with Green Valley Water District’s water system and to construct 20,955 foot of three-inch and four-inch water main and on pressure booster station to serve twenty-five new and existing customers and eliminate long individual service lines; to install hydrants for flushing and other purposes; and to install leak detection meters;

WHEREAS, Rural Development has required as a condition of its loan of \$1,032,000 and grant of \$258,000 that Edmonson District increase its rates to the levels set forth in the letter of conditions;

WHEREAS, Edmonson 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

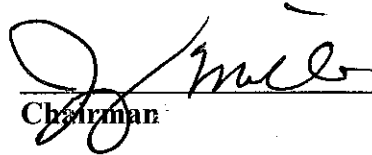
necessary applications and documentation, is filed with the Kentucky Public Service Commission;

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE BOARD OF COMMISSIONERS OF EDMONSON COUNTY 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 Edmonson District's water works, authorization to adjust Edmonson District's rates to the levels required by Rural Development, authorization to issue evidences of indebtedness to Rural Development in the amount of \$1,032,000 and any other required approvals.

ADOPTED BY THE BOARD OF COMMISSIONERS OF EDMONSON COUNTY WATER DISTRICT at a meeting held on October 8, 2019, signed by the Chairman, and attested by the Secretary.


Chairman

ATTEST:

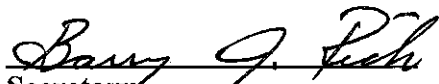

Secretary

EXHIBIT 3

PRELIMINARY ENGINEERING REPORT

FOR

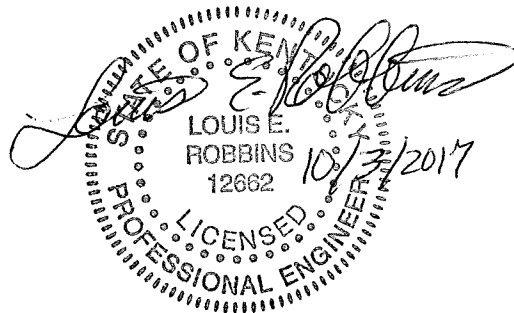
EDMONSON COUNTY WATER DISTRICT

EDMONSON COUNTY, KENTUCKY

2017 EDMONSON/HART WATER LINE PROJECT

PROJECT NO. 3621-08

SEPTEMBER 2017



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EDMONSON COUNTY WATER DISTRICT

COMMISSIONERS

Jimmy Mills, Chairman

Barry Rich, Secretary/Treasurer

N.E. Reed

MANAGER

Tony Sanders

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1. PROJECT PLANNING

The purpose of this Preliminary Engineering Report is to investigate and present the necessity and feasibility of certain improvements to the Edmonson County Water District (ECWD or the District) and to evaluate the ability of the existing facilities to continue meeting the needs of the system's customers. Since its formation in 1966, the District has experienced steady growth and has seen increased requests for water service extensions from area residents due to the unreliable and often contaminated private well systems required without a public water system.

A. Location

The Edmonson County Water District was formed to serve all areas in Edmonson County, except areas inside the Mammoth Cave National Park, and also to serve parts of Warren, Grayson and Hart Counties. Exhibit 1 shows the District service area boundaries.

B. Environmental Resources Present

Clearinghouse review comments on this proposed project have been received and are attached as Appendix 1 to this report. In addition, an environmental review is also being conducted for this project. The results of any findings that affect the design of this project will be incorporated into the final design documents.

C. Population Trends

Population data and projections (attached as Appendix 2) from the Kentucky State Data Center (University of Kentucky) project a declining population in Edmonson County from 2010 through 2040, and an essentially flat population for Grayson and Hart Counties. However, during the time period from 2010 to 2017, the District has seen an increase in service connections; some have been due to line extensions and others due to new home construction or the desire of existing residents with reasonable access to an existing water line to have a reliable and safe potable water supply rather than continuing to rely on their problematic well supply.

During this same time period from 2010 to 2040, Warren County, which is adjacent to Edmonson County, has projections for significant population growth along the order of 1.6 to 1.7 percent per year. Based on this projection for rapid growth in Warren County and the availability of lower cost land and homes in the adjacent portions of Edmonson County, the local anticipation is that growth of the customer base in the District will continue. This same expectation of some growth is present in the Nolin Lake areas in the northeastern portion of the service area due to the recreational and retirement potential for new home construction.



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DISTRICT SERVICE AREA

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D. Community Engagement

The proposed project is primarily a line extension project. Since the District has water line service to the majority of their service area, additional line extensions are typically considered when local area residents request (or present petitions) for water lines to be extended to provide service for their homes. Other lines may be for the purpose of increasing the reliability and/or functionality of the distribution system.

The District has also placed advertisements in the local newspaper of their intent to apply for funding and held (or will be holding) an open meeting to discuss the scope of, and the need for, the proposed project. Funding options will also be discussed.

2. EXISTING FACILITIES

A. Location Map

A map of the existing distribution system is attached in Appendix 3. This exhibit shows the general location of the existing lines and other components of the District.

B. History

General:

The Edmonson County Water District began operation of its initial facilities in 1970 and has been constantly expanding since that time. The District has seen constant growth of its customer base and has been managed in a well-organized and financially sound manner.

Water Supply and Treatment:

The Edmonson County Water District has two separate water treatment facilities. The Brownsville Water Treatment Plant (WTP) was constructed as a 0.5 MGD conventional treatment facility and placed into operation in 1970. This plant was expanded to approximately 1.3 MGD in 1980 and expanded to 2.92 MGD in 2002 utilizing a pulsator type upflow/solids contact clarifier. The water supply is from the Green River which has adequate flow conditions for the water supply needs.

The Wax WTP was constructed and placed into operation in 1990 as a 0.5 MGD facility. The plant was originally sized and designed as a 1 MGD facility, but was downsized due to budget limitations; the Wax plant was expanded to 1.0 MGD in 1994/1995. The Wax WTP also utilizes a pulsator type upflow/solids contact clarifier.

The source of supply for the Wax facility is Nolin Lake, which at winter pool El.490 has 63,840 acre-feet of storage and at summer pool El.515 has 170,160

acre-feet of storage. The sustained low flow (7Q10) is 40 cfs (or 26 MGD). According to U.S. Corps of Engineers personnel, the withdrawal for this water supply is negligible in comparison to the total available storage. However, siltation in the area of the existing intake structure has resulted in needed improvements at the lowest screening level during winter pool conditions. A project was completed in 2014 to improve the maintainability of the lowest intake screen during the winter pool conditions.

Distribution System:

The existing distribution system consists of approximately 627 miles of water main ranging in size from 3" to 16". Table 1 shows the approximate mileage of pipe according to size. The system has been placed into operation beginning in 1970 and consists almost entirely of A.C. and P.V.C. pipe materials.

TABLE 1
DISTRIBUTION SYSTEM

<u>Pipe Size</u>	<u>Installed Quantity</u>
16"	2.3 miles
12"	8.3 miles
10"	1.4 miles
8"	31 miles
6"	181 miles
4"	340 miles
3"and smaller	68 miles

Storage Facilities:

Existing water storage facilities consist of nineteen storage tanks with a total capacity of approximately 4,020,000 gallons.

Customers:

Edmonson County Water District began operation in 1970 with an initial customer base of approximately 450. Since that time, the District has experienced rapid growth with a customer base of approximately 9,200 in 2006, 10,000 in 2012 and over 10,300 in 2017. The City of Brownsville is the only wholesale purchaser of water and accounts for about 8% of the total water sold by the District.

C. Condition of Existing Facilities

General:

The Edmonson County Water District began operation of its initial facilities in 1970 and has been constantly expanding since that time. Most of the existing facilities are in relatively good condition and are suitable for continued use. The District has seen constant growth of its customer base and has been managed in a well-organized and financially sound manner. Because of this continued growth, some of the existing facilities have required upgrading to provide more capacity

and reliability for the system. All components should be continuously monitored to determine the need for upgrading, providing increased capacity and for potential improvements in operational efficiency. Overall, the existing facilities have been well-maintained and are suitable for continued use.

System management and personnel have carefully monitored the applicable federal, state, and local laws and regulations and adjust their seasonal operations to maintain water quality throughout the system in order to remain in compliance with the applicable regulations. A copy of the 2017 (2016 sampling period) Annual Water Quality Report is attached in Appendix 4.

Water Supply and Treatment:

As previously described, the Edmonson County Water District has two separate water treatment facilities. The Brownsville Water Treatment Plant (WTP) was expanded to 2.92 MGD in 2002 and recently (July 2017) averaged approximately 1.2 MGD pumping rate with a maximum day of slightly over 1.5 MGD. The plant capacity is adequate for current and anticipated demands. The water supply is from the Green River which is adequate for the existing and projected demand.

A study is underway for the potential removal of Dam No. 5 on the Green River which provides the “pool” for the Brownsville WTP raw water intake. The Corps of Engineers has been in contact and consultation with the District and has indicated that nothing will be done to jeopardize the District’s ability to continue withdrawing raw water from the river.

The Wax WTP was expanded to 1.0 MGD in 1994/1995 and recently (July 2017) averaged approximately 0.74 MGD pumping rate for the month. Peak summer demands continue to increase in this service area and the capacity of the Wax WTP is becoming marginal for the peak day demands. The flexibility of the system operations to allow supplementing of the water supply to the Wax area from the Brownsville facility and the ability to of the system to “re-assign” portions of the service area between the two plants has prevented this from becoming an urgent problem, but expansion of this facility may be required in the next few years as demands continue to increase.

The source of supply for the Wax facility is Nolin Lake which at winter pool El.490 has 63,840 acre-feet of storage and at summer pool El.515 has 170,160 acre-feet of storage. The sustained low flow (7Q10) is 40 cfs (or 26 MGD). According to U.S. Corps of Engineers personnel, the withdrawal for this water supply is negligible in comparison to the total available storage. However, siltation in the area of the existing intake structure has resulted in needed improvements at the lowest screening level during winter pool conditions. A project was completed in 2014 to improve the maintainability of the lowest intake screen during the winter pool conditions but the situation will need to be closely monitored for changes in lake conditions and performance of the air burst system.

Distribution System:

The existing distribution system consists of approximately 627 miles of water main ranging in size from 3" to 16"; Table 1 previously showed the approximate mileage of pipe according to size. The system has been placed into operation beginning in 1970 and consists almost entirely of A.C. and P.V.C. pipe materials. According to system personnel, the original A.C. pipe installed in 1970 appears to be in good condition.

Overall, the pipe is suitable for continued operation as long as system personnel continuously monitor the water loss and make repairs when the source of the leaks can be found. The karst nature of the service area has made detection of leak locations difficult since many of the leaks do not result in dampness or standing/running water conditions at the ground surface. Results of the 2016 water loss analysis indicates water loss to be in the range of 22.7%. The District monitors the water pumped trend variations on a daily basis, the tank water level drops (especially during nighttime low usage periods), and water pumped versus water sold on a monthly basis to monitor indications of water loss. In addition, the District has installed numerous leak detection flow meters throughout the system to allow either continuous or spot monitoring of water flows in portions of the system and regularly assigns personnel to check and search for leak indications when the data indicates leaks may be occurring in specific areas.

Storage Facilities:

Existing water storage facilities consist of nineteen storage tanks with a total capacity of approximately 4,020,000 gallons. Although total storage volume would appear to be adequate at this time, the distribution of the storage is limited in some areas. The District will need to continue monitoring tank volume especially as relates to the most efficient operation of existing treatment and pumping facilities and for demands in specific localized areas. Water quality issues will also require monitoring and possible modification of system operating parameters associated with water tanks.

Customers:

Edmonson County Water District began operation in 1970 with an initial customer base of approximately 450. Since that time, the District has experienced rapid growth with a customer base of approximately 9,200 in 2006, 10,000 in 2012 and over 10,300 in 2017. The City of Brownsville is the only wholesale purchaser of water and accounts for about 8.4% of the total water sold by the District.

D. Financial Status of any Existing Facilities

Refer to information contained in the Summary Addendum which shows the breakdown of users by usage categories, the annual O&M costs and the list and status of existing debts. In addition to this information, audit reports and rate schedule have been provided as part of the application package for funding.

E. Water/Energy/Waste Audits

A copy of the ECWD annual leakage report to the PSC is attached in Appendix 6.

3. NEED FOR PROJECT

A. Health, Sanitation, and Security

The need for a safe and reliable water supply is commonly recognized as being highly desirable in any populated area. Maintaining and upgrading the existing system is essential to providing potable water service on a continuous basis and the extension of water lines into unserved areas is recommended as being beneficial for the residents by removing a potential health hazard which is either known to exist or can become a problem at any time. Since its formation in 1966, the District has experienced steady growth and has seen increased requests for water service extensions from area residents due to the unreliable and often contaminated private well systems required without a public water system. The karst nature of the District's service area magnifies this problem with well supplies.

Increasing demand within the existing service area and a constant demand for extension of water lines into areas previously unserved requires constant monitoring of the adequacy and reliability of the existing facilities. The flood of 2011 and the drought of 2012 accentuated the need for improvements to some of the ECWD facilities, many of which were addressed in a project completed in 2014/2015. The need for a reliable potable water supply also became more apparent to residents currently depending on private wells who increasingly requested that water lines be extended to their residences.

The current and increasingly stringent regulations for water contaminants, especially disinfection by-products, requires that the system be closely monitored for water quality, circulation (eliminate dead end lines where possible), and flushing capabilities and frequency. System personnel have to adjust their operations and procedures seasonally to account for variations in water usage in some areas.

The District also considers interconnections with other neighboring water systems so that water can be purchased or sold in emergency situations.

B. Aging Infrastructure

Because of the continued growth and aging of the system, water loss has become more of an ongoing issue for the District. Considerable resources and efforts are committed to locating and repairing leaks in the distribution system. Additional in-system flow metering and leak detection meters are being recommended for installation. The flow meters are proposed to be installed at tank sites and will

allow the District to closely monitor the volume of water flowing out of the tanks during periods of low demand. The proposed leak detection meters will assist the District in monitoring and locating areas with excessive leakage in the lines.

C. Reasonable Growth

The proposed improvements in this project consist of line extensions on 5 roads to provide service to existing residents, 1 road to interconnect to an adjacent water system, and 1 road to interconnect 2 existing water lines in order to improve reliability of service and flexibility of system operation during emergency repairs; other components of the project are for water quality (flushing hydrants) and water loss (leak detection meters) issues.

The water line extensions line sizes will be sized for the minimum size to allow for service to the existing homes at the KDOW required peak flow requirements and for the required flushing rates to provide 2.5 fps velocity in the line.

Experience has indicated these design parameters will allow for reasonable growth to add additional customers if new homes are constructed adjacent to the line. Upsizing the line to a size larger than necessary typically creates water quality issues with usage rates being too low to keep the water “fresh”. Growth along the proposed water lines is not anticipated to increase dramatically due to the rural nature of the areas.

4. ALTERNATIVES CONSIDERED

A. Description

The proposed project consists of line extensions to provide water service to roads previously unserved by a potable water supply, one line to provide emergency connection to an adjacent water system, and two lines to connect between existing water lines (note: these 2 lines also are on roads previously unserved). The project also involves the installation of blowoff hydrants at various locations throughout the District and installation of leak detection meters at 4 existing water storage tank sites.

For the water line extensions, the following alternatives were considered.

- 1) **Extend District Owned Water Lines:** Extension of the water lines will allow the residents to have access to a safe and reliable potable water supply with minor impact to the operation of the District. The current supply and treatment systems are adequate to furnish the additional treated water with very little impact on the District’s operational costs. The additional potential customers along the proposed water lines represent only about 0.24% increase in the customer base.
- 2) **Create Cluster Wells and Treatment Systems:** Creating neighborhood cluster wells and treatment systems presents several operational and managerial problems for the District. Requests for water line extensions have normally

occurred because the private well has failed for reasons of quantity and/or quality. Any installation or operation of a localized well supply and packaged treatment system by the District would require monitoring of the mechanical equipment, control and electrical equipment, chemical feed systems, and finished water quality by licensed operators. The unpredictable nature of the design parameters, construction costs, and operational logistics and costs makes this alternative non-feasible and no further consideration will be given.

- 3) **Hauling Water to Fill Cistern or Holding Tank:** The option of hauling water and filling an on-site cistern or holding tank at each residence is an option that the residents currently have and there is a possibility that some are already doing so. The District would not be willing to approach this option through District operation since the managerial, operational and water quality control would be too burdensome and risky for them to undertake. The current residents have the same issues if using this method for their water source, but consider it a better option than using a contaminated well supply. No further consideration will be given to this alternative by the District.
- 4) **Take No Action:** The option to take no action on extending service to the proposed areas has been the selected alternative to date. The ECWD was created for the purpose of eventually providing potable water service to the entire service area in an economical manner where feasible if regulatory design requirements can be met. Management decisions by the District have been to extend the most feasible, cost-effective lines in an orderly time frame to avoid major impacts on the needed rate structure to provide the necessary revenue.

Although the customer count and expected revenue on the lines proposed for extension are not independently capable of paying down the required debt service and providing for operational expenses for this project (using current or proposed rates), the impact on the overall District operating budget will be reasonable. The District management has recommended extension of the proposed lines in the most economical manner available in order to provide potable water service to these residents if funding can be obtained.

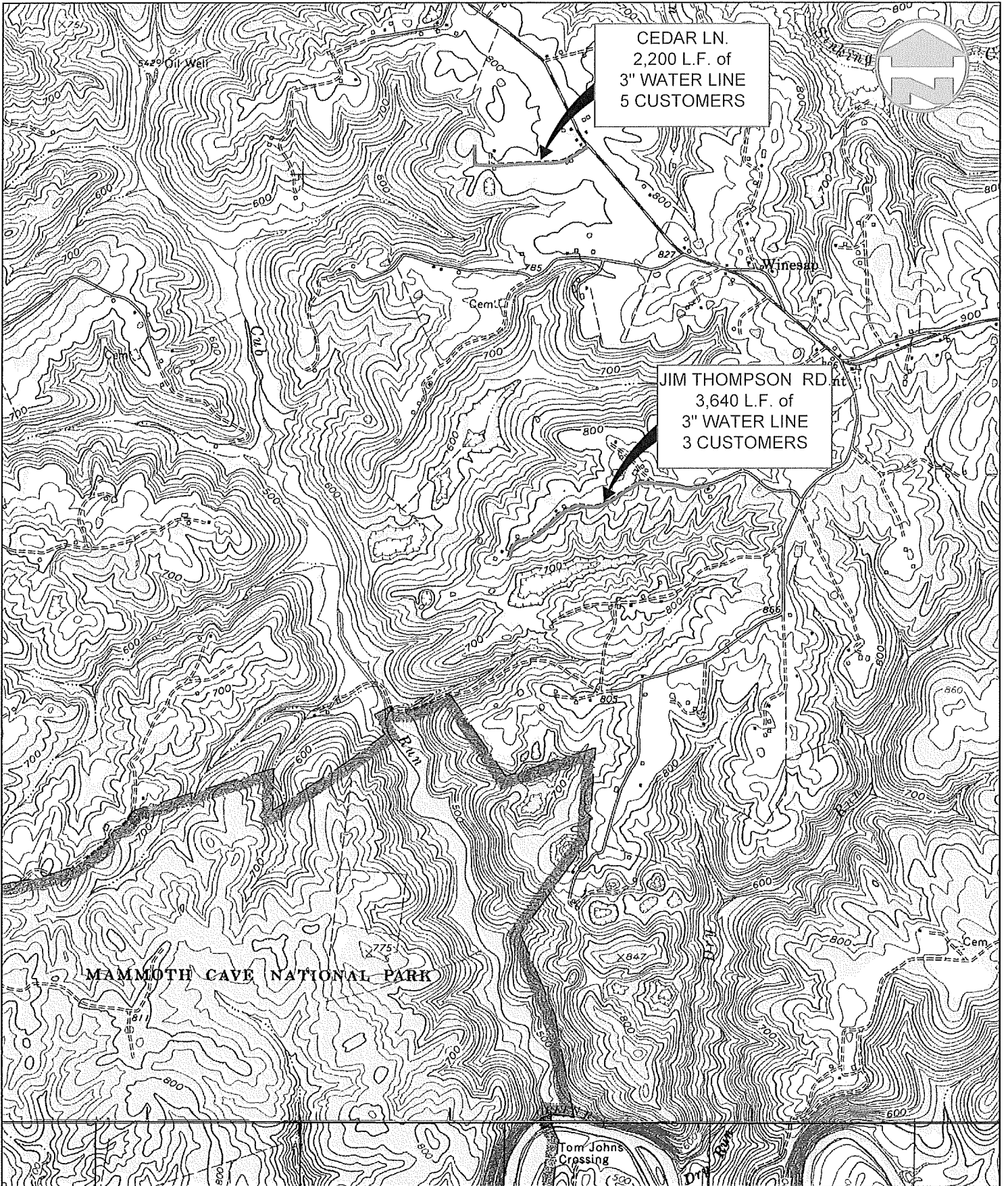
No further consideration will be given to this alternative unless funding is denied.

B. Design Criteria

The required KY DOW and PSC rules and regulations have been considered for the components proposed for this project. Final design will be for facilities which comply with the federal, state and agency design policies and regulatory requirements.

C. Map

Exhibits 2 through 9 show the locations of the proposed additions.



CEDAR LN.
2,200 L.F. of
3" WATER LINE
5 CUSTOMERS

JIM THOMPSON RD
3,640 L.F. of
3" WATER LINE
3 CUSTOMERS

MAMMOTH CAVE NATIONAL PARK

Tom Johns Crossing

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WATER LINE LOCATIONS
2017 EDMONSON/HART CO.
 WATER LINE PROJECT
 EDMONSON COUNTY WATER DISTRICT

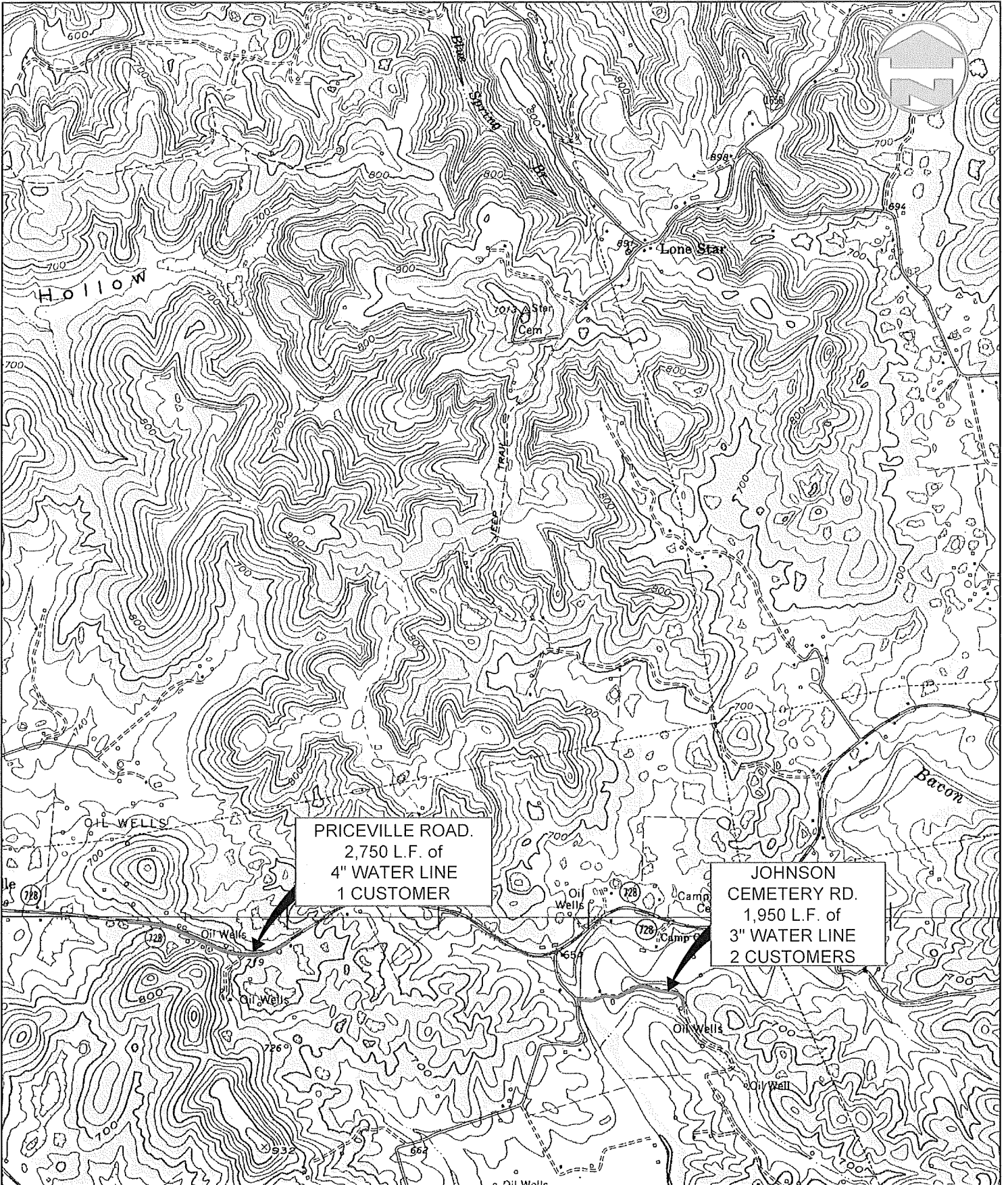


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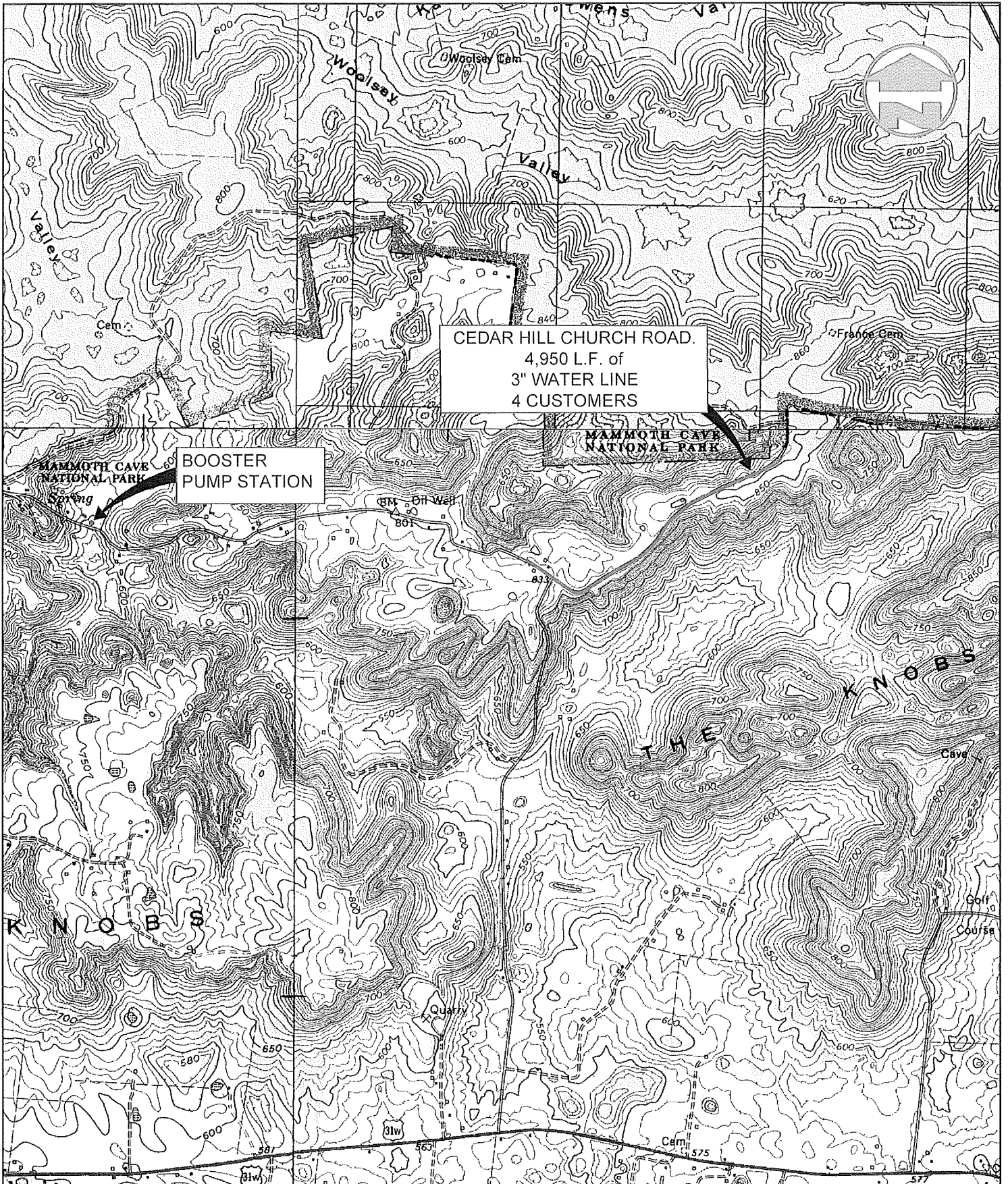


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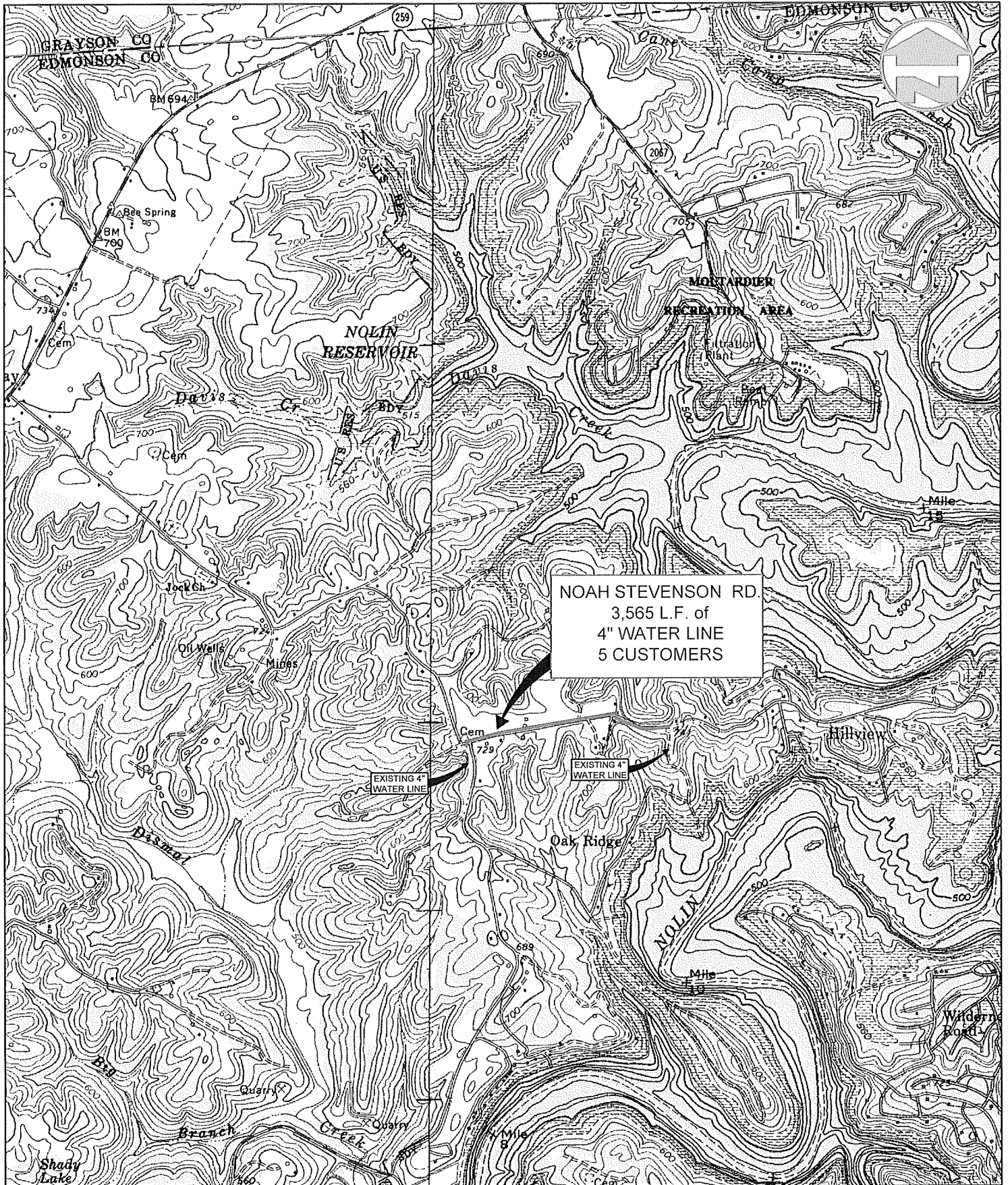
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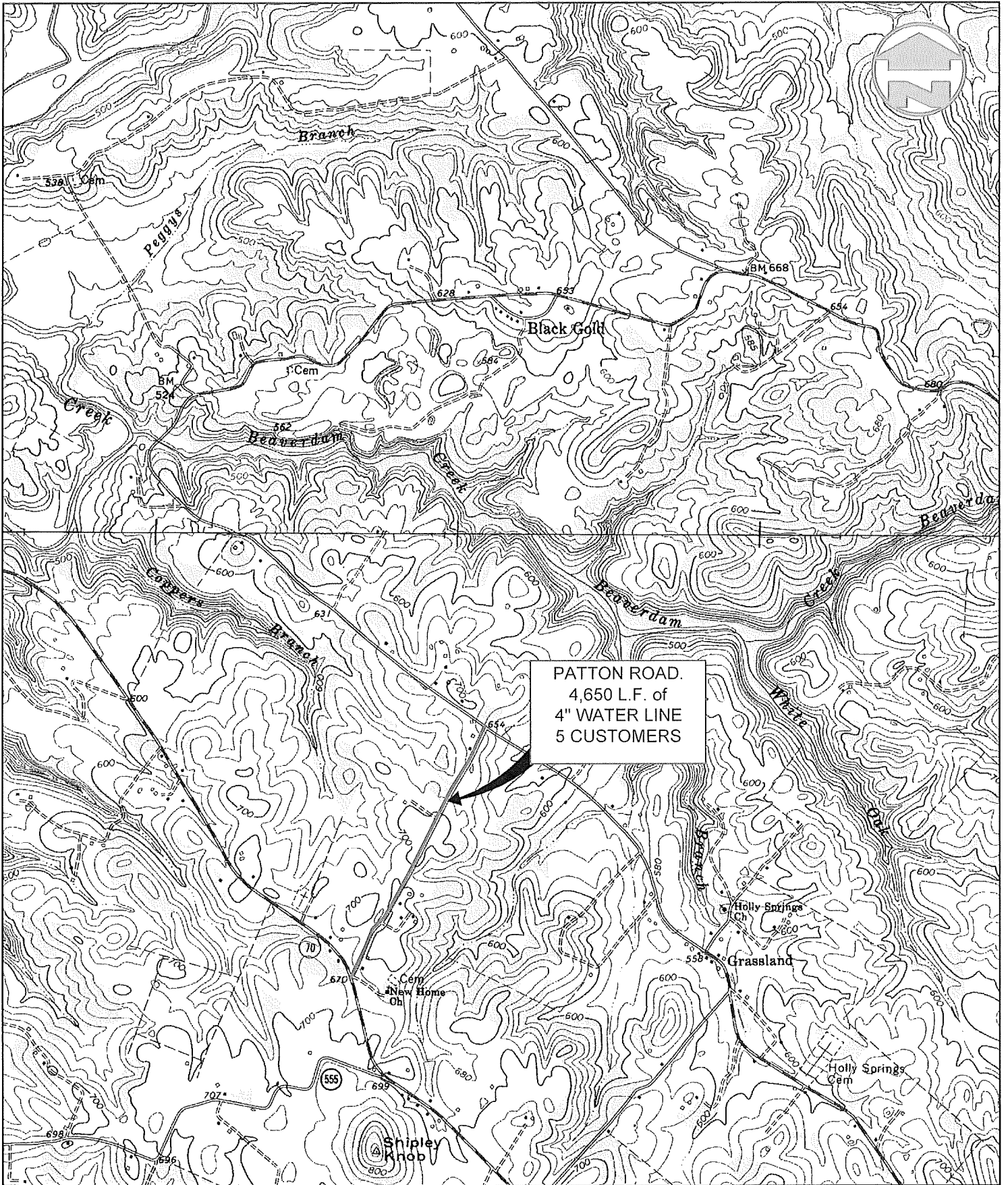
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PATTON ROAD.
4,650 L.F. of
4" WATER LINE
5 CUSTOMERS

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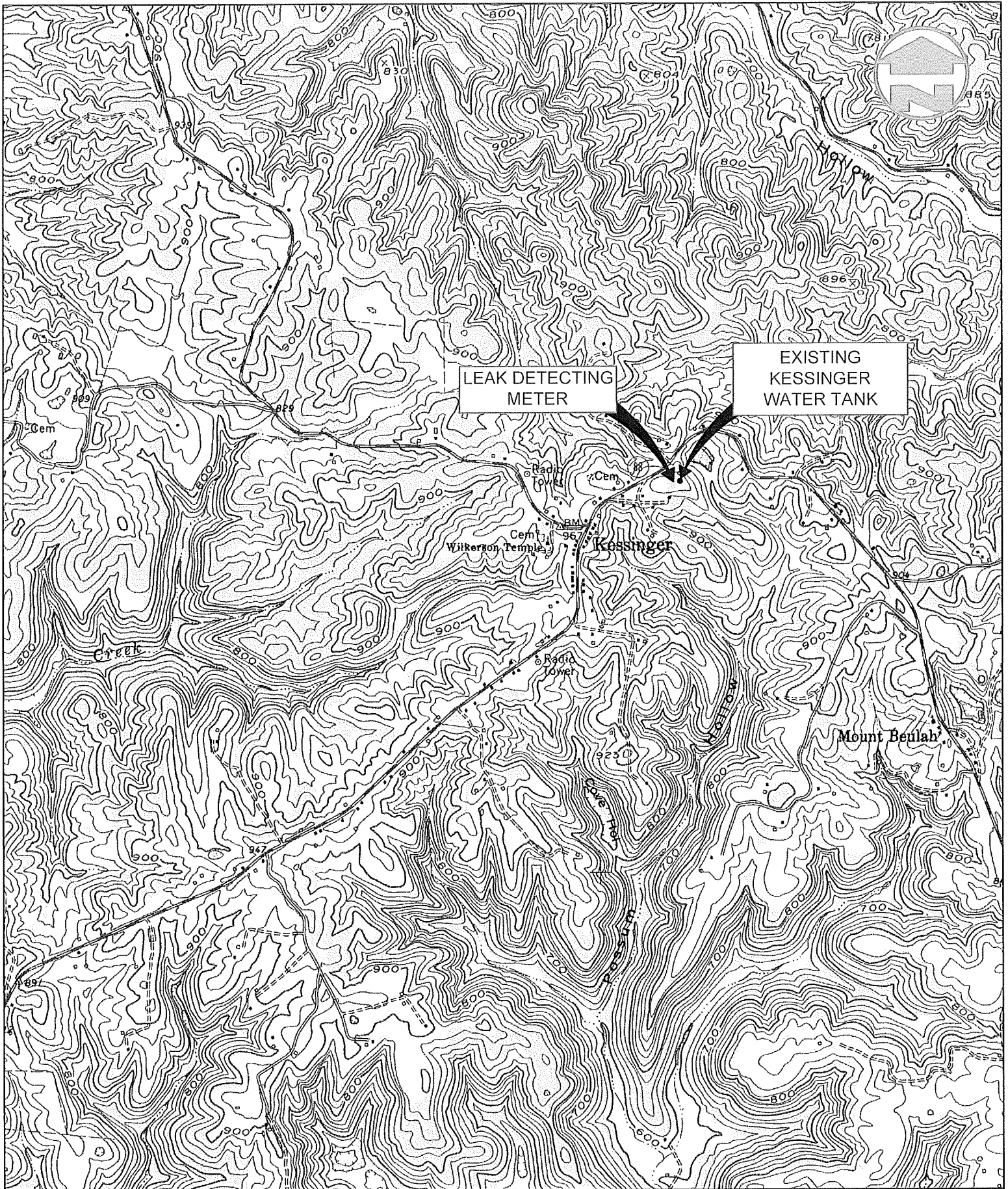
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**LEAK DETECTION
METER LOCATIONS**
 WATER LINE PROJECT
 EDMONSON COUNTY WATER DISTRICT

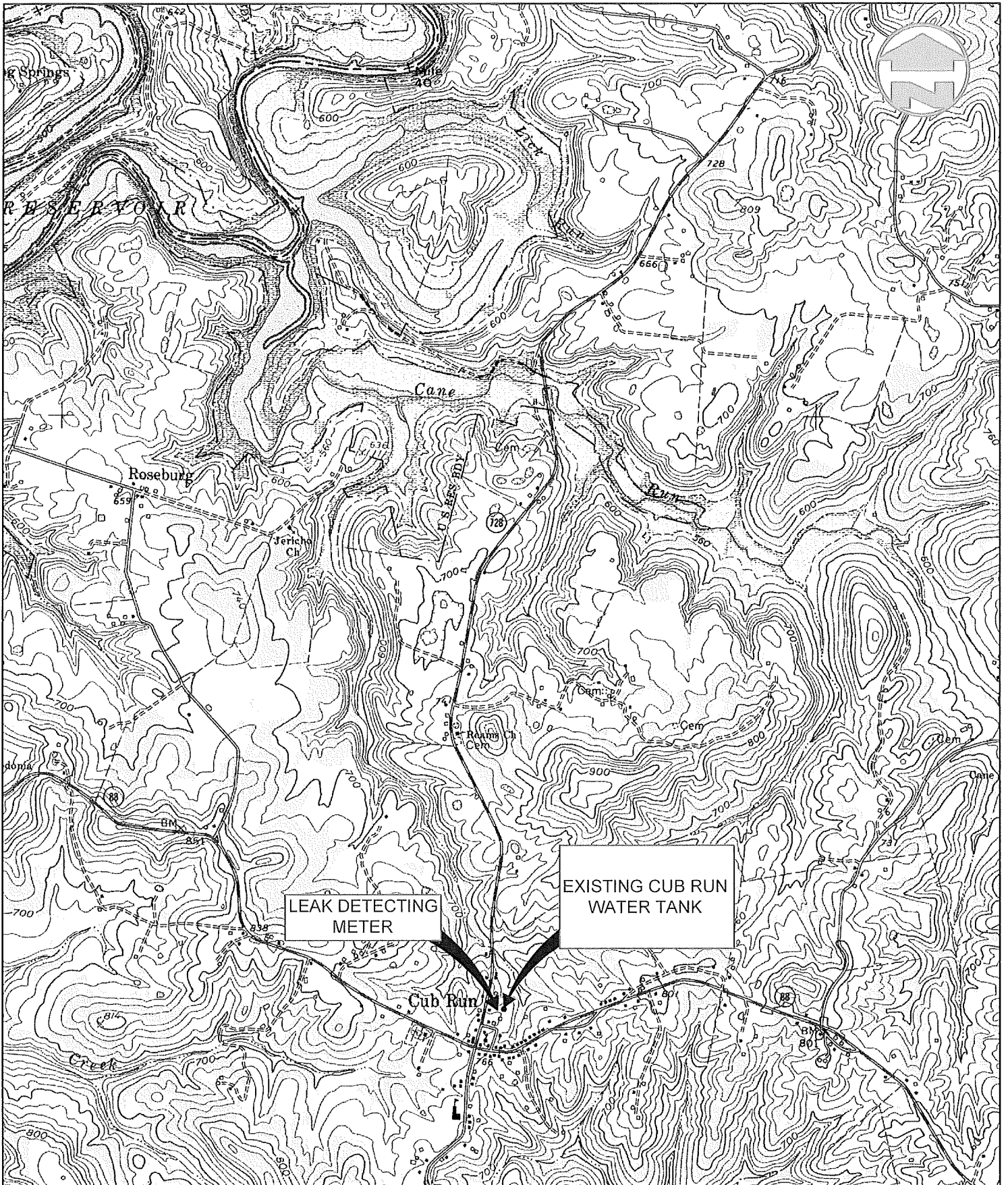


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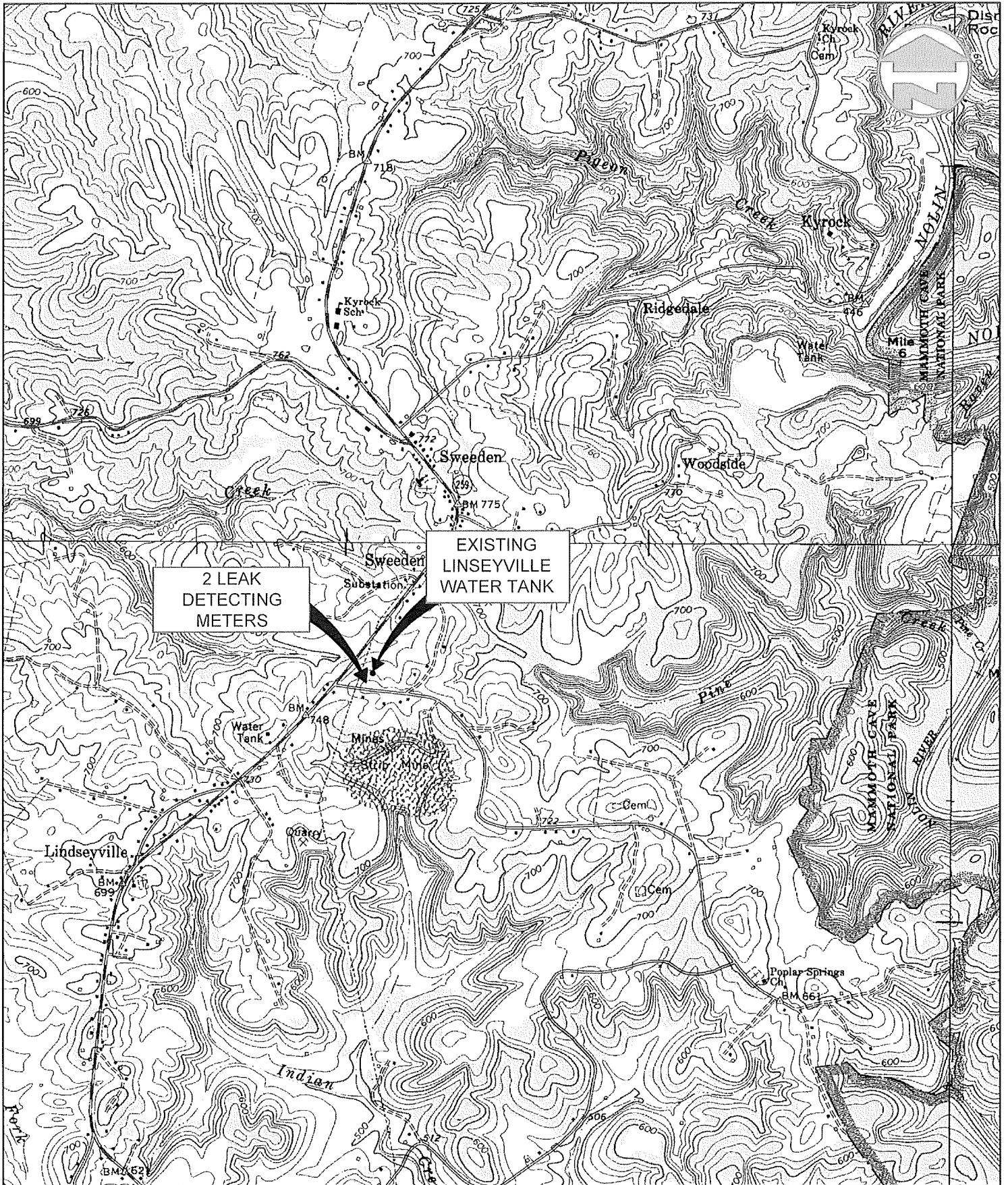
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D. Environmental Impacts

Water line construction involves the temporary excavation of a trench along the entire length of the proposed water line for underground installation of the piping. The proposed lines will run parallel and immediately adjacent to (or inside of) existing road ROW's. A general windshield survey of the areas did not reveal any obvious features to be impacted other than a stream crossing; the stream crossing impact will be minimized by utilizing directional bore methodology to avoid any direct excavation in the stream itself. Installation of state required and recommended erosion control measures will be specified to be used by the installing contractor during the construction period to mitigate construction site erosion. Any environmental impact will be limited to the construction period and will be temporary.

The project has been submitted to the Kentucky State e-Clearinghouse and their review is attached as Appendix 1. In addition, a separate Environmental Review is being conducted in accordance with RD guidance requirements and any findings/recommendations will be factored into the final design.

E. Land Requirements

Easements for the water lines will be obtained when available; placing the water lines on road rights of way will be an option if the adjacent landowner(s) is not agreeable or some feature needs to be avoided. An inline booster pumping station (BPS) will be required for the line proposed on Cedar Hill Church Road in order to provide the State/PSC required pressure for service to the homes. The BPS will be installed immediately adjacent to an existing water line and road ROW, and the site will need to be acquired if the project proceeds. An option to purchase a site has already been obtained.

Leak detection meters will be located on existing water tank sites. Blowoff hydrants will be located on existing water line easements.

F. Potential Construction Problems

Minimal construction problems are anticipated during execution of this project.

G. Sustainability Considerations

Sustainable utility management practices include environmental, social, and economic benefits that aid in creating a resilient utility. The goal of the ECWD has been to supply a safe and reliable potable water supply to the residents in their service area in an efficient and cost-effective way. Access to this water supply provides potential health and social benefits to the area.

1) Water and Energy Efficiency

Operation of a public water supply provides benefits of scale not available on individual residential water systems. The District provides a consistent water to their customers that has been treated and tested in accordance with the required state and federal regulations. Individual systems typically receive very little, if any, treatment and testing. Because of the questionable quality of many well supplies, residents consider it necessary to purchase bottled water for drinking and cooking purposes. Hauling water to fill an on-site holding tank is very inefficient and still has health and water quality risks due to possible contamination of the holding tanks and transport/transfer equipment.

2) Green Infrastructure

The use of individual well pumping systems and withdrawal of groundwater will be reduced by the construction of this project.

3) Other

Elimination of individual well pumping systems will simplify the overall equipment maintenance requirements since the District's operation and maintenance activities will be impacted very little once this project is completed.

H. Cost Estimates

Construction cost estimates for each of the proposed water lines are shown in Tables 2 through 8 as follows. Table 9 shows the combined line extensions costs as well as costs for the proposed flushing hydrants, leak detection meters and associated project related costs. Anticipated annual O&M costs are shown in the Summary Addendum in Appendix 5.

TABLE 2					
JIM THOMPSON ROAD					
EDMONSON COUNTY WATER DISTRICT					
June 2017					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	3-inch water line	LF	3,640	\$15	\$54,600
2	3-inch M.J. Gate Valve Assembly	EA	1	\$800	\$800
3	Connection to existing WL'S	EA	1	\$2,000	\$2,000
4	Service Connections	EA	3	\$800	\$2,400
5	Blowoff	EA	1	\$4,000	\$4,000
6	Mobilization/Demobilization	EA	1	\$5,000	\$5,000
TOTAL CONSTRUCTION					\$68,800

**TABLE 3
CEDAR LANE
EDMONSON COUNTY WATER DISTRICT
June 2017**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	3-inch Water Line	LF	2,200	\$15	\$33,000
2	Connection to existing WL'S	EA	1	\$2,000	\$2,000
3	Service connections	EA	5	\$800	\$4,000
4	Blowoff	EA	1	\$4,000	\$4,000
5	Mobilization/Demobilization	EA	1	\$5,000	\$5,000
TOTAL CONSTRUCTION					\$48,000

**TABLE 4
PRICEVILLE ROAD
EDMONSON COUNTY WATER DISTRICT
June 2017**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	4-inch water line	LF	2,750	\$20	\$55,000
2	Master meter	EA	1	\$10,000	\$10,000
3	4-inch M.J. Gate Valve Assembly	EA	2	\$900	\$1,800
4	Connection to existing WL'S	EA	2	\$2,000	\$4,000
5	Service Connections	EA	1	\$800	\$800
6	Blowoff	EA	2	\$4,000	\$8,000
7	Mobilization/Demobilization	EA	1	\$5,000	\$5,000
TOTAL CONSTRUCTION					\$84,600

**TABLE 5
JOHNSON CEMETERY ROAD
EDMONSON COUNTY WATER DISTRICT
June 2017**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	3-inch water line	LF	1,600	\$15	\$24,000
2	Directional bore under creek	LF	350	\$75	\$26,250
3	Connection to existing WL'S	EA	1	\$2,000	\$2,000
4	Service Connections	EA	2	\$800	\$1,600
5	Blowoff	EA	1	\$4,000	\$4,000
6	Mobilization/Demobilization	EA	1	\$5,000	\$5,000
TOTAL CONSTRUCTION					\$62,850

TABLE 6					
CEDAR HILL CHURCH ROAD					
EDMONSON COUNTY WATER DISTRICT					
JUNE 2017					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	3-inch water line	LF	4,900	\$15	\$73,500
2	Booster pump station on existing line	EA	1	\$90,000	\$90,000
3	Bore & Jack under paved road	LF	50	\$200	\$10,000
4	3-inch gate valve assembly	EA	3	\$800	\$2,400
5	Connection to existing WL'S	EA	3	\$2,000	\$6,000
6	Service Connections	EA	4	\$800	\$3,200
7	Blowoff	EA	1	\$4,000	\$4,000
8	Mobilization/Demobilization	EA	2	\$5,000	\$10,000
TOTAL CONSTRUCTION					\$199,100

TABLE 7					
NOAH STEVENSON ROAD					
EDMONSON COUNTY WATER DISTRICT					
June 2017					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	4-inch water line	LF	3,465	\$20	\$69,300
2	Bore & Jack under paved road	LF	100	\$200	\$20,000
3	4-inch M.J. Gate Valve Assembly	EA	3	\$900	\$2,700
4	Connection to existing WL'S	EA	2	\$2,000	\$4,000
5	Service Connections	EA	5	\$800	\$4,000
6	Blowoff	EA	1	\$4,000	\$4,000
7	Mobilization/Demobilization	EA	1	\$5,000	\$5,000
TOTAL CONSTRUCTION					\$109,000

TABLE 8					
PATTON ROAD					
EDMONSON COUNTY WATER DISTRICT					
June 2017					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	4-inch water line	LF	4,600	\$20	\$92,000
2	Bore & Jack under paved road	LF	50	\$200	\$10,000
3	4-inch gate valve assembly	EA	1	\$900	\$900
4	Connection to existing WL'S	EA	2	\$2,000	\$4,000
5	Service Connections	EA	5	\$800	\$4,000
6	Blowoff	EA	2	\$4,000	\$8,000
7	Mobilization/Demobilization	EA	1	\$5,000	\$5,000
TOTAL CONSTRUCTION					\$123,900

TABLE 9					
2017 EDMONSON/HART WATER LINE PROJECT					
EDMONSON COUNTY WATER DISTRICT					
JUNE 2017					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	Jim Thompson Road (3,640 LF 3")	LS	1	\$68,800	\$68,800
2	Cedar Lane (2,200 LF 3")	LS	1	\$48,000	\$48,000
3	Priceville Road (2,750 LF 4" & master meter)	LS	1	\$84,600	\$84,600
4	Johnson Cemetery Road (1,950 LF 3")	LS	1	\$62,850	\$62,850
5	Cedar Hill Church Road (4,950 LF 3" & BPS)	LS	1	\$199,100	\$199,100
6	Noah Stevenson Road (3,565 LF 4")	LS	1	\$109,000	\$109,000
7	Patton Road (4,650 LF 4")	LS	1	\$123,900	\$123,900
8	Flushing hydrants at various locations on existing lines	Each	30	\$7,000	\$210,000
9	Leak detection meters installed at existing tank sites	Each	4	\$20,000	\$80,000
TOTAL CONSTRUCTION:					\$986,250
Land & Rights:					\$6,000
Environmental Studies					\$7,500
Legal & Administrative:					\$16,500
Advertising, etc.:					\$2,000
Bond Counsel:					\$10,000
Local Counsel:					\$4,500
Engineering:					\$165,000
Preliminary Engineering:					\$5,000
Easement/Property Owners Identification:					\$2,500
PSC Related:					\$4,000
Hydraulic Analysis Update:					\$10,000
Design:					\$87,500
Inspection:					\$56,000
Interest During Construction:					\$10,000
Contingencies:					\$98,750
TOTAL PROJECT COSTS					\$1,290,000

5. SELECTION OF AN ALTERNATIVE

This report has presented four options for the District to consider on this project:

1. Extend District owned lines;
2. Create cluster wells and treatment systems;
3. Hauling water to fill cisterns or holding tanks; and
4. Take no action.

The discussion in the description of alternatives indicated alternatives 2 and 3 were not acceptable to the District because of managerial, operational and quality control issues associated with the alternatives. Alternative 4 would not fulfill the District's goal of eventually providing potable water service to all technically and economically feasible areas in their assigned service area. Thus, extending District owned and operated lines is the selected alternative.

6. PROPOSED PROJECT (RECOMMENDED ALTERNATIVE)

The Edmonson County Water District proposes to extend approximately 4.5 miles of water lines to service approximately 25 customers and to reinforce and allow for more operational flexibility and reliability in the system; the project also includes the addition of 30 blowoff hydrants and 4 leak detection meters to allow for operational improvements in the distribution system. The line and leak detection meter locations are shown in Exhibits 2 through 9 included previously in this report.

The proposed flow meters at existing tank sites will allow the District to closely monitor the volume of water flowing from these portions of the system, especially during nighttime low demand periods, which will assist the District in isolating and locating areas with excessive leakage in the lines.

A. Preliminary Project Design

- 1) Drinking Water Supply: The existing raw water supply is more than adequate for the addition of any new customers on the proposed lines. No changes or additions will be required.
- 2) Treatment: The existing treatment plants have adequate capacity to serve any new customers on the proposed lines. No changes or additions will be required.
- 3) Storage: The existing storage tanks have adequate capacity to serve any additional new customers on the proposed lines. No changes or additions will be required.
- 4) Pumping Stations: One additional inline booster pumping station (BPS) will be required to serve the Cedar Hill Church Road water line extension. The booster pumping station will be positioned on a section of the existing line since the KDOW required pumping rate would cause residual pressure problems on the supply side if the BPS was positioned at the beginning of the new line. To meet the regulatory design pumping rates for peak flows and residual pressures, the BPS will require pumps rated at approximately 55 GPM at 130' total dynamic head (TDH). The booster pumps will be VFD controlled to allow energy savings at the normal customer demands and during low customer demand periods.

The location of the proposed BPS for the Cedar Hill Church Road water line is shown on Exhibit 4.

B. Project Schedule

The project schedule will depend on funding obligation dates and issuance of the Notice to Proceed for design of the facilities. A tentative schedule is as follows:

Funding Approval:	December 2017
Submittal of Drawings and Specifications:	June 2018
Advertisement for Bids:	July 2018
Receive Bids:	August 2018
Award Contract/Start Construction:	November 2018
Construction Completion/Initiation of Operation:	May 2019
Project Closeout:	October 2019

C. Permit Requirements

Highway Encroachment permits will be required for state highway crossings and for lines inside the ROW (if final design requires this). The stream crossing should be covered under a general permit since directional boring will be utilized for the crossing.

D. Sustainability Considerations

Sustainable utility management practices include environmental, social, and economic benefits that aid in creating a resilient utility. The goal of the ECWD has been to supply a safe and reliable potable water supply to the residents in their service area in an efficient and cost-effective way. Access to this water supply provides potential health and social benefits to the area.

1) Water and Energy Efficiency

Operation of a public water supply provides benefits of scale not available on individual residential water systems. The District provides a consistent water to their customers that has been treated and tested in accordance with the required state and federal regulations. Individual systems typically receive very little, if any, treatment and testing. Because of the questionable quality of many well supplies, residents consider it necessary to purchase bottled water for drinking and cooking purposes. Hauling water to fill an on-site holding tank is very inefficient and still has health and water quality risks due to possible contamination of the holding tanks and transport/transfer equipment.

2) Green Infrastructure

The use of individual well pumping systems and withdrawal of groundwater will be reduced by the construction of this project.

3) Other

Elimination of individual well pumping systems will simplify the overall equipment maintenance requirements since the District's operation and

maintenance activities will be impacted very little once this project is completed.

E. Total Project Cost Estimate (Engineer's Opinion of Probable Cost)

Itemized estimates of construction, non-construction and total project costs are presented in Table 10 as follows:

TABLE 10					
2017 EDMONSON/HART WATER LINE PROJECT					
EDMONSON COUNTY WATER DISTRICT					
JUNE 2017					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	4-inch water line	LF	10,815	\$20	\$216,300
1	3-inch water line	LF	12,340	\$15	\$185,100
2	Booster pump station on existing line	EA	1	\$90,000	\$90,000
2	Master meter	EA	1	\$10,000	\$10,000
3	Bore & Jack under paved road	LF	200	\$200	\$40,000
3	Directional bore under creek	LF	350	\$75	\$26,250
4	4-inch gate valve assembly	EA	6	\$900	\$5,400
4	3-inch gate valve assembly	EA	4	\$800	\$3,200
5	Connection to existing WL'S	EA	12	\$2,000	\$24,000
6	Service connections/relocations	EA	25	\$800	\$20,000
7	Blowoff	EA	9	\$4,000	\$36,000
8	Mobilization/Demobilization	EA	8	\$5,000	\$40,000
8	Flushing hydrants at various locations on existing lines	Each	30	\$7,000	\$210,000
9	Leak detection meters installed at existing tank sites	Each	4	\$20,000	\$80,000
TOTAL CONSTRUCTION COSTS:					\$986,250
	Land & Rights:			\$6,000	
	Environmental Studies			\$7,500	
	Legal & Administrative:			\$16,500	
	Advertising, etc.:	\$2,000			
	Bond Counsel:	\$10,000			
	Local Counsel:	\$4,500			
	Engineering:			\$165,000	
	Preliminary Engineering:	\$5,000			
	Easement/Property Owners Identification:	\$2,500			
	PSC Related:	\$4,000			
	Hydraulic Analysis Update:	\$10,000			
	Design:	\$87,500			
	Inspection:	\$56,000			
	Interest During Construction:			\$10,000	
	Contingencies:			\$98,750	
TOTAL NON-CONSTRUCTION COSTS:					\$303,750
TOTAL PROJECT COSTS:					\$1,290,000

F. Annual Operating Budget

- 1) Income
All income information is shown in the Summary Addendum included in Appendix 5.
- 2) Annual O & M Costs
All O & M information is shown in the Summary Addendum included in Appendix 5.
- 3) Debt Repayments
All debt service information is shown in the Summary Addendum included in Appendix 5.
- 4) Reserves
All debt reserve information is shown in the Summary Addendum included in Appendix 5 or in the previously submitted annual audit report.

7. CONCLUSIONS AND RECOMMENDATIONS

The Edmonson County Water District was formed to serve the residents of several rural counties and to work towards furnishing a safe and reliable water supply to those individuals living within the District boundaries. In order to accomplish this, the District must continually be looking for ways to expand the system while still maintaining a safe, reliable and cost effective supply of treated water.

The proposed water line extensions, flush hydrants and leak detection meters described in this report for the Edmonson County area of the District are feasible and are recommended for construction. The District should proceed to secure funds from RD, or any other available grant source, and move toward construction. Recommended funding applications are as follows:

ARC Grant:	\$ 193,500
RD Grant:	\$ 387,000
RD Loan:	<u>\$ 709,500</u>
Total Funding:	\$1,290,000

Contingency Funds: If contingency funds are available after bids are received and construction is nearing completion, the following items need to be done; 1) cover existing settling basin at the Brownsville WTP for security and nuisance (leaves) conditions; 2) remodel Dog Creek BPS; 3) Upgrade SCADA equipment at existing water tank sites; 4) purchase small track hoe for distribution system maintenance operations; 5) Install electric valve operators on the Wax WTP filter backwash valves; and 6) insert additional line valves on existing water lines to allow flexibility in operations and repair isolation.

APPENDIX 1

Clearinghouse Review



MATTHEW G. BEVIN
GOVERNOR

DEPARTMENT FOR LOCAL GOVERNMENT
OFFICE OF THE GOVERNOR
1024 CAPITAL CENTER DRIVE, SUITE 340
FRANKFORT, KENTUCKY 40601-8204
PHONE (502) 573-2382 FAX (502) 573-2939
TOLL FREE (800) 346-5606/ TDD:711
WWW.kydlgweb.ky.gov

SANDRA K. DUNAHOO
COMMISSIONER

August 25, 2017

Mr. Tony Sanders
Edmonson County Water District
P.O. Box 208
Brownsville, KY 42210

RE: Edmonson County Water District - Edmonson and Hart Extensions # 1
WX21061027
SAI# KY201707260931
CFDA# 10.770

Dear Mr. Sanders:

The Kentucky State e-Clearinghouse is the official designated Single Point of Contact (SPOC) for the Commonwealth pursuant to Presidential Executive Order 12372, and supported by Kentucky Statutes KRS 45.03. The primary function of the SPOC is to streamline the review aforementioned process for the applicant and the funding agency. This process helps in vocalizing the statutory and regulatory requirements. Information in the form of comments, if any, will be attached to this correspondence.

This proposal has been reviewed by the appropriate state agencies in the e-Clearinghouse for conflicts with state or local plans, goals and objectives. After receiving this letter, you should make it available to the funding agency and continue with the funding agencies application process. This e-clearinghouse SPOC letter signifies only that the project has followed the state reviewing requirements, and is neither a commitment of funds from this agency or any other state or federal agency. Please remember if any federal reviews are required the applicant must follow through with those federal agencies.

The results of this review are valid for one year from the date of this letter. If the project is not submitted to the funding agency or not approved within one year after the completion of this review, the applicant can request an extension by email to Lee.Nalley@ky.gov. If the project changes in any way after the review, the applicant must reapply through the eclearinghouse for a new review. There are no exceptions.

If you have any questions regarding this letter or the review process please contact the e-Clearinghouse office at 502-573-2382, ext. 274.

Sincerely,

A handwritten signature in cursive script that reads "Lee Nalley".

Lee Nalley, SPOC
Kentucky State Clearinghouse

Attachment

Barren River Area Development District

Susan Orłowski

No duplications or conflicts. Complies with CEDS Water/Wastewater Goal 1: Provide adequate infrastructure to accommodate and facilitate development within the BRADD. Conforms with water plan WX21061027.

KY Department for Environmental Protection

Ronald Price

Joel Murphy - Endorse with Comments

The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water lines and appurtenances. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY201707260931) when submitting plans and specifications.

This project is consistent with the Edmonson County Water Management Plan. It is approved for water management planning. It is approved for water withdrawal by the Water Quantity Management Section of DOW. From the application data, DOW ascertains that a 'stream construction permit application' will need to be submitted to the DOW for further review of the proposed line extension along Johnson Cemetery Road and in the floodplain of Bacon Creek in Hart County. Julia Harrod, Watershed Management Branch, (502) 782-6967, Julia.Harrod@ky.gov.

This project will construct approximately 2,750 feet of 4-inch water main to serve one customer and allow for an interconnect with the Green River Valley Water District. Construct approximately 22,050 feet of 3-inch and 4-inch water main and one pressure booster station to serve 25 new and existing customers and eliminate long individual service lines. Connecting three lines to provide better water quality and providing an alternate route to supply existing customers. Install hydrants for flushing resulting in better quality water and maintain chlorine residuals and also supplying water to volunteer fire department to fill trucks. Install leak detection meters to aid in water loss control. Lines and hydrants will be installed in Edmonson and Hart counties. Update 8/26/2015: Letcher Gardener Road section has been completed.

Plan and specifications that have been signed, stamped and dated by a licensed professional Engineer in Kentucky shall be submitted to the DOW for review and approval prior to the start of construction. Terry Humphries, Water Infrastructure Branch, (502) 782-6983, Terry.Humphries@ky.gov.

During the last sanitary survey (2016) the system was found to be lacking in Technical capacity. According to the response letter the non-significant deficiencies that caused this have been remedied. As of the last survey Plant A is using 93.6% gallons per minute (GPM) and 38% gallons per day (GPD) of its rated capacity and Plant B is using 84.9% GPM and 55% GPD. According to Water Resource Information System (WRIS) the system has water loss between 25-31%. There does not appear to be any issues with this project. Jason Lambert, Water Infrastructure Branch, (502) 782-7001, Jason.Lambert@ky.gov.

Best management practices shall be utilized to reduce runoff from the project into nearby waters. Andrea Fredenburg, Water Quality Branch, (502) 782-6950, Andrea.Fredenburg@ky.gov.

No comment. Sarah Gaddis, Compliance and Technical Assistance Branch, (502) 782-6953, Sarah.Gaddis@ky.gov.

The Division of Enforcement does not object to the project proposed by the applicant. Tim Harrod, Division of Enforcement, (502) 782-6858, Timothy.Harrod@ky.gov.

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, the proposed work is located in an area with a high potential for karst development where groundwater is susceptible to direct contamination from surface activities. It is our recommendation that proposed work be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Wei Ji, Watershed Management Branch, (502) 782-6934, Wei.Ji@ky.gov.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Kentucky Division of Water supports the goals of EPA's Sustainable Infrastructure Initiative. This Initiative seeks to promote sustainable practices that will help to reduce the potential gap between funding needs and spending at the local and national level. The Sustainable Infrastructure Initiative will guide our efforts in changing how Kentucky views, values, manages, and invests in its water infrastructure. This website, www.epa.gov/waterinfrastructure/, contains information that will help you ensure your facility and operations are consistent with and can benefit from the aims of the Sustainable Infrastructure Initiative.

Division of Enforcement

Tim Harrod

The Division of Enforcement does not object to the project proposed by the applicant.

Tim Harrod, Enforcement Specialist
Division of Enforcement
Timothy.Harrod@ky.gov

Division of Water

Andrea Fredenburg

Best management practices should be utilized to reduce runoff from the project areas into nearby waters.

Division of Water

Julia Harrod

A 'stream construction permit application' will need to be submitted to the Division of Water for further review of the proposed line extension along Johnson Cemetery Road and in the floodplain of Bacon Creek in Hart County. Okay water withdrawal permitting. Okay water management planning.

Water

Jason Lambert

During the last sanitary survey (2016) the system was found to be lacking in Technical capacity. According to the response letter the non-significant deficiencies that caused this have been remedied. As of the last survey Plant A is using 93.6% GPM and 38% GPD of its rated capacity and Plant B is using 84.9% GPM and 55% GPD. According to WRIS the system has water loss between 25-31%.

There does not appear to be any issues with this project.

Division of Water

Terry Humphries

Plan and specifications that have been signed, stamped and dated by a licensed professional Engineer in Kentucky shall be submitted to the Division of Water for review and approval prior to the start of construction.

DOW

Sarah Gaddis

DOW CTAB has no negative comments.

DOW

Wei Ji

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, the proposed work is located in an area with a high potential for karst development where groundwater is susceptible to direct contamination from surface activities. It is our recommendation that proposed work be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Wei Ji (502-782-6934) or Section Supervisor David Jackson (502-782-6986).

Fish and Wildlife

Dan Stoelb

To minimize impacts to the aquatic environment the Kentucky Dept. of Fish & Wildlife Resources recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be installed prior to construction and should be inspected and repaired regularly as needed. Please contact Dan Stoelb @ 502-564-7109 ex. 4453 or Daniel.Stoelb@ky.gov if you have further questions or require additional information.

Housing Building and Construction

Phil Craig

The Department of Housing Buildings and Construction, Division of Building Code Enforcement has no comments concerning the proposed project.

Kentucky Transportation Cabinet (CO)

Carolyn Weber

Deneatra Henderson - Endorse with Comments

Work performed on KY Transportation Cabinet right-of-way will require an approved Encroachment Permit through this office before beginning work

KIA

Jocelyn Gross

This project has been reviewed in the WRIS Portal by KIA Staff. Please make the following updates to the project profile.

Is a USDA loan the only funding source for this project? All funding sources and their status need to be listed in the WRIS Project Profile.

Please provide the following and update the WRIS Project Profile: Estimated Environmental Review Submittal Date; Estimated Bid Date; Estimated Construction Date; and Estimated Construction Completion Date.

There is a note in the narrative that Letcher Gardener Road section has been completed. Is this section included in the description and the mapping. If so, please remove it from the description and mapping.

KY Heritage Council

Yvonne Sherrick

To receive a review from the KY Heritage Council/State Historical Preservation Office (SHPO) you must follow the instructions located on their website at <http://www.heritage.ky.gov/siteprotect/> . There you will find the required documents for the Section 106 Review and Compliance for 36 CFR Part 800. This Section 106 submission process to SHPO will assist applicants and agencies in providing the appropriate level of information to receive comments from SHPO.

If you have any questions please contact Yvonne Sherrick, Administrative Specialist III, (502) 564-7005, Ext. 113, yvonne.sherrick@ky.gov

APPENDIX 2

Population Projection Data

Projections of Population and Households

**State of Kentucky, Kentucky Counties,
and Area Development Districts**

2015-2040

Vintage 2016

Kentucky State Data Center

University of Louisville

Matt Ruther, PhD

Tom Sawyer

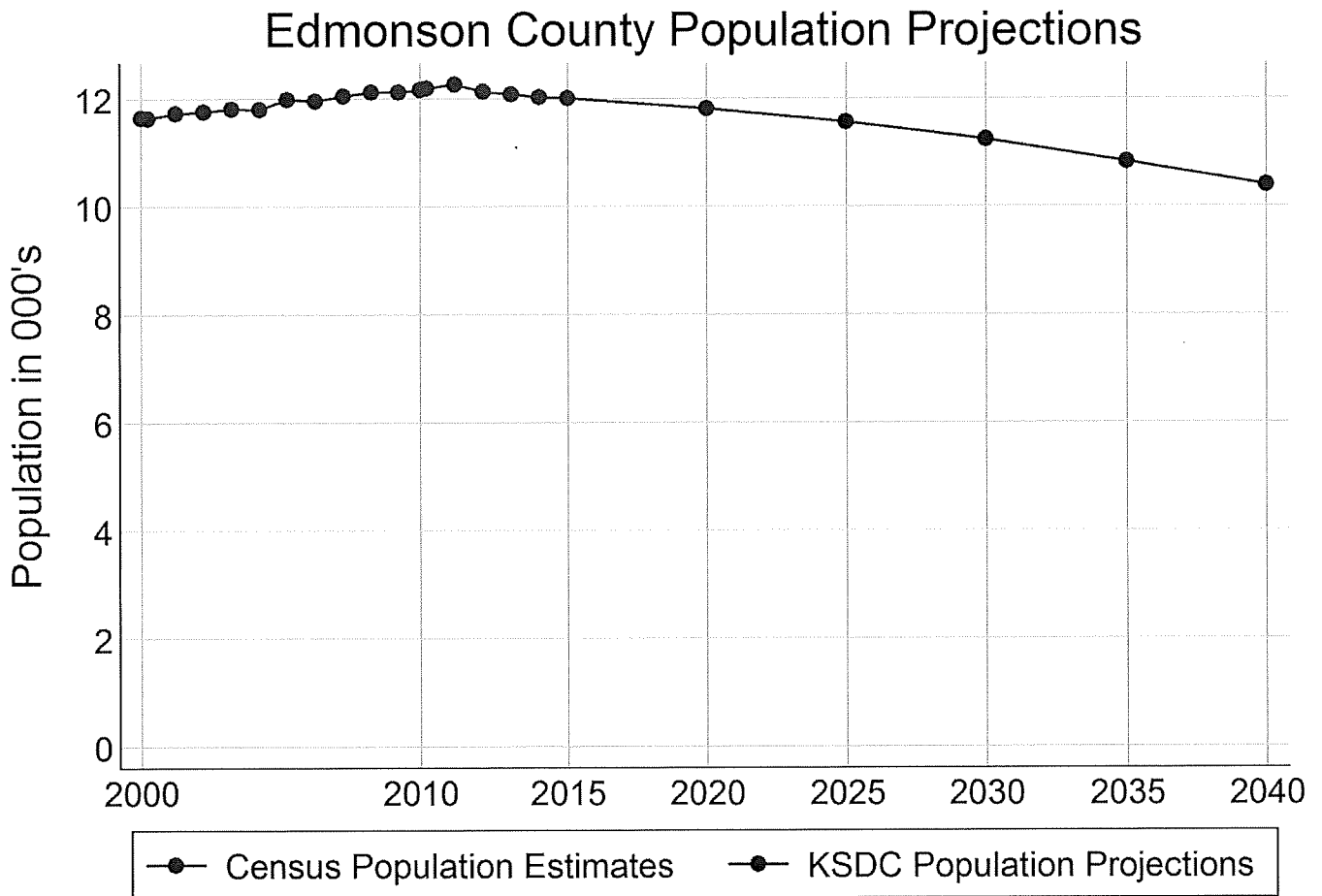
Sarah Ehresman



**UNIVERSITY OF
LOUISVILLE**

Edmonson County

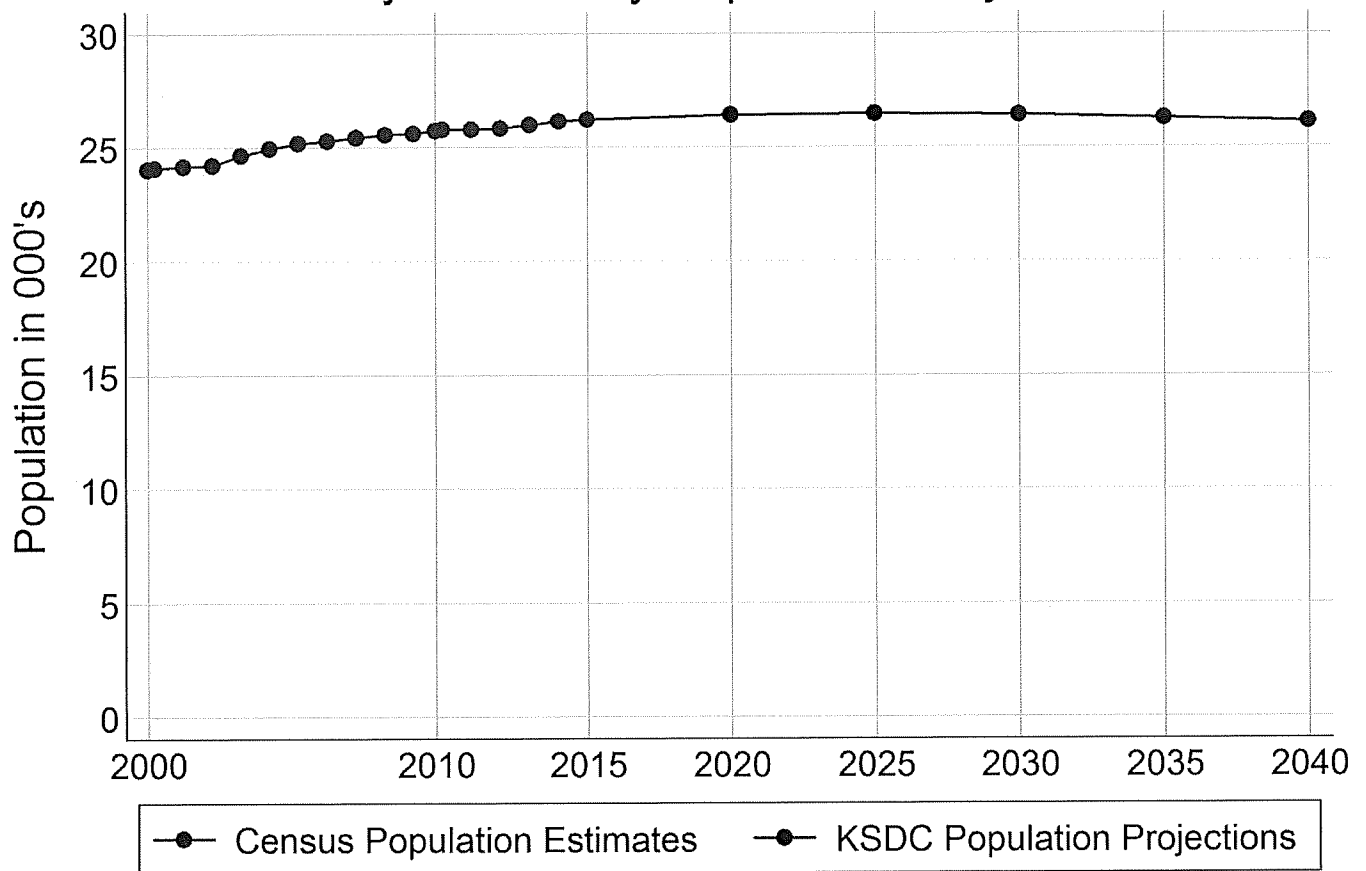
	2010 Census	2015 Estimate	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
Total Population	12,161	12,007	11,812	11,565	11,237	10,831	10,391
Population in Households	11,838	11,657	11,457	11,205	10,871	10,459	10,012
Population in Group Quarters	323	350	355	360	366	372	379
Total Households	4,857	5,015	5,109	5,131	5,092	4,998	4,878
Average Household Size	2.44	2.32	2.24	2.18	2.13	2.09	2.05



Grayson County

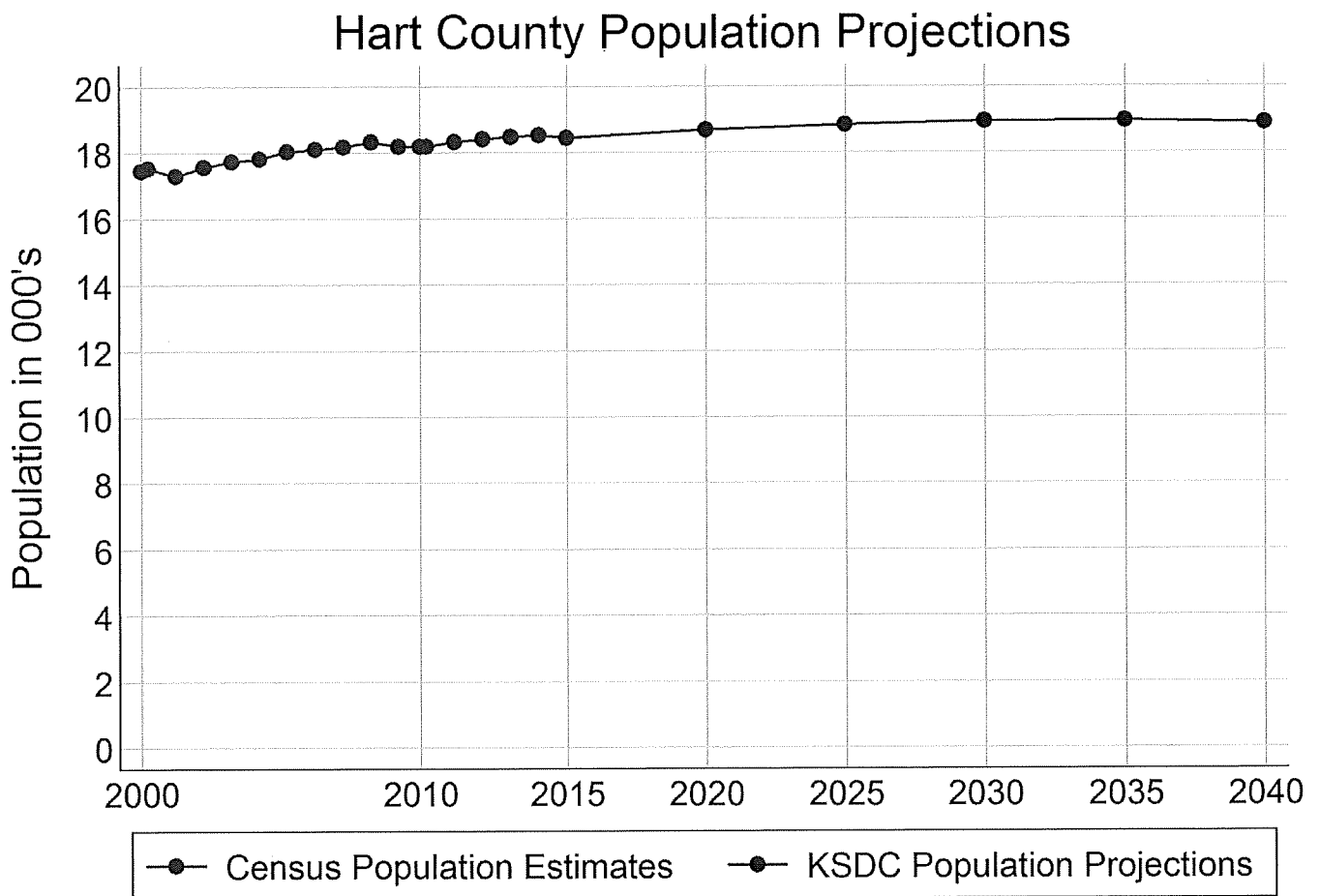
	2010 Census	2015 Estimate	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
Total Population	25,746	26,221	26,433	26,489	26,440	26,275	26,128
Population in Households	24,978	25,453	25,653	25,697	25,635	25,457	25,297
Population in Group Quarters	768	768	780	792	805	818	831
Total Households	10,082	10,324	10,478	10,543	10,607	10,594	10,587
Average Household Size	2.48	2.47	2.45	2.44	2.42	2.40	2.39

Grayson County Population Projections



Hart County

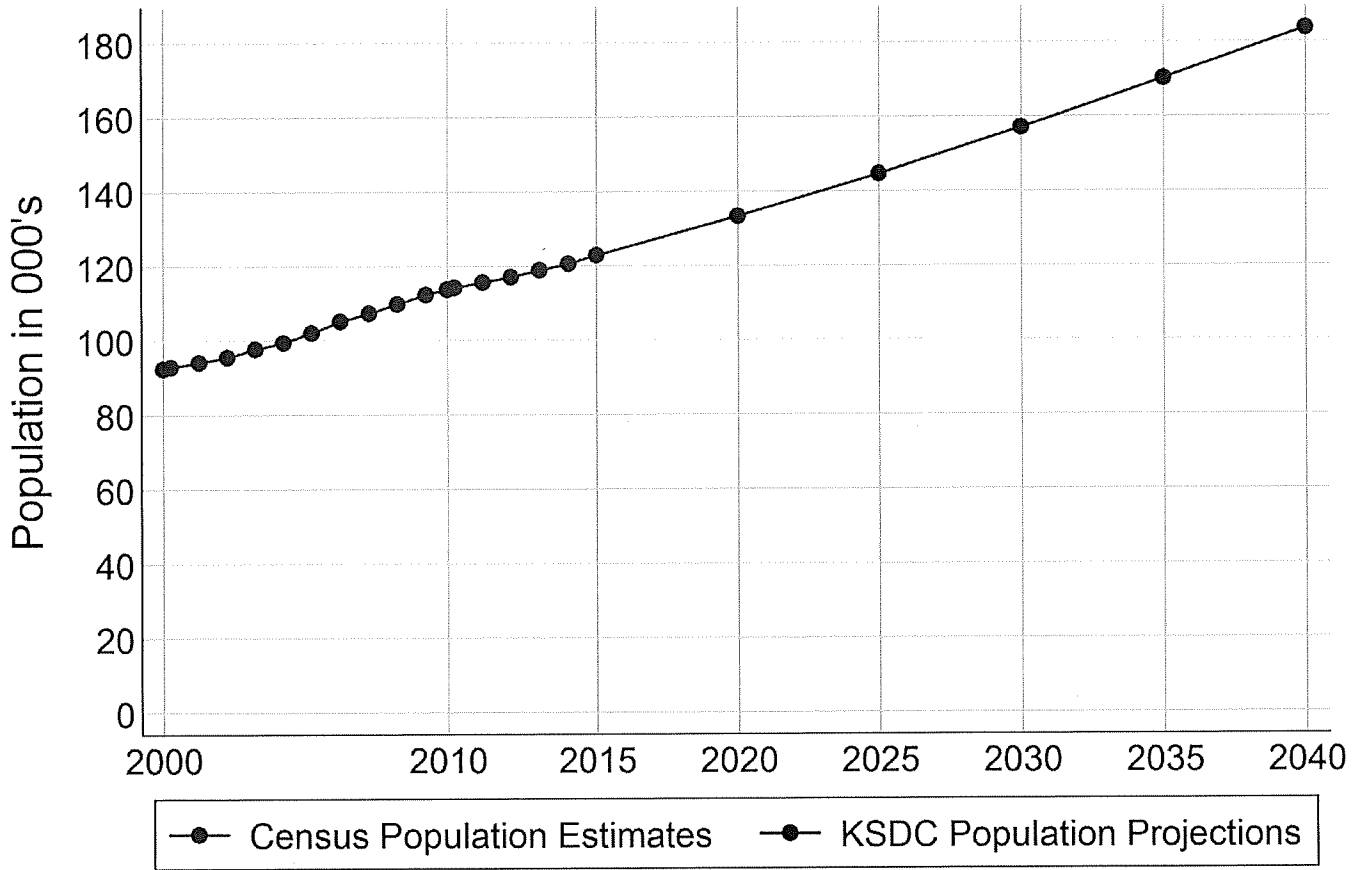
	2010 Census	2015 Estimate	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
Total Population	18,199	18,454	18,683	18,836	18,935	18,955	18,889
Population in Households	17,972	18,227	18,455	18,607	18,705	18,724	18,657
Population in Group Quarters	227	227	228	229	230	231	232
Total Households	7,097	7,355	7,532	7,664	7,756	7,797	7,785
Average Household Size	2.53	2.48	2.45	2.43	2.41	2.40	2.40



Warren County

	2010 Census	2015 Estimate	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
Total Population	113,792	122,851	133,207	144,676	157,013	170,139	183,705
Population in Households	107,582	116,538	126,766	138,104	150,307	163,298	176,727
Population in Group Quarters	6,210	6,313	6,441	6,572	6,706	6,841	6,978
Total Households	43,674	47,491	52,217	57,294	62,798	68,521	74,616
Average Household Size	2.46	2.45	2.43	2.41	2.39	2.38	2.37

Warren County Population Projections



Total Population: 2010 Census, 2015 Estimate, 2020-2040 Projections

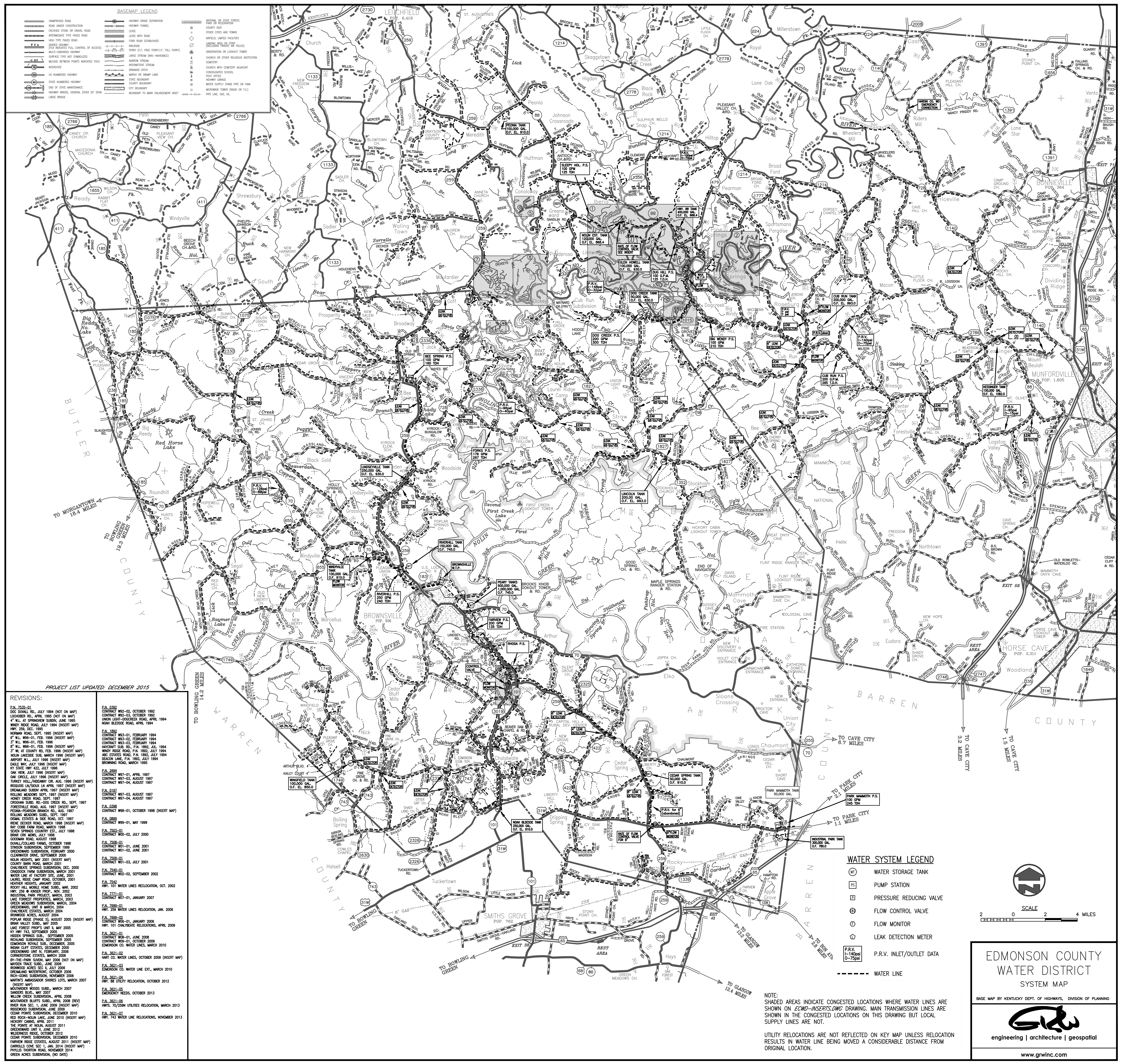
FIPS	Location	2010 Census	2015 Estimate	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
21	Kentucky	4,339,367	4,425,092	4,533,464	4,634,415	4,726,382	4,808,682	4,886,381
001	Adair County	18,656	19,027	19,180	19,213	19,145	18,963	18,711
003	Allen County	19,956	20,640	21,377	21,983	22,473	22,836	23,091
005	Anderson County	21,421	21,979	22,821	23,617	24,327	24,903	25,334
007	Ballard County	8,249	8,212	8,164	8,097	8,005	7,906	7,780
009	Barren County	42,173	43,570	45,135	46,580	47,943	49,211	50,329
011	Bath County	11,591	12,228	12,529	12,794	13,064	13,306	13,486
013	Bell County	28,691	27,337	26,394	25,291	24,024	22,678	21,374
015	Boone County	118,811	127,712	139,018	150,928	163,722	177,141	191,093
017	Bourbon County	19,985	20,116	20,090	20,027	19,897	19,668	19,352
019	Boyd County	49,542	48,325	47,912	47,353	46,626	45,763	44,820
021	Boyle County	28,432	29,809	30,550	31,232	31,810	32,170	32,431
023	Bracken County	8,488	8,321	8,139	7,900	7,609	7,276	6,910
025	Breathitt County	13,878	13,484	12,817	12,078	11,244	10,352	9,493
027	Breckinridge County	20,059	20,018	19,973	19,848	19,611	19,246	18,805
029	Bullitt County	74,319	78,702	83,186	87,470	91,527	95,170	98,245
031	Butler County	12,690	12,938	12,720	12,426	12,068	11,671	11,269
033	Caldwell County	12,984	12,681	12,633	12,541	12,426	12,286	12,149
035	Calloway County	37,191	38,343	39,328	40,487	41,687	42,604	43,503
037	Campbell County	90,336	92,066	92,898	93,427	93,473	93,028	92,192
039	Carlisle County	5,104	4,874	4,737	4,604	4,450	4,298	4,139
041	Carroll County	10,811	10,699	10,766	10,757	10,675	10,608	10,539
043	Carter County	27,720	27,158	26,852	26,417	25,833	25,124	24,386
045	Casey County	15,955	15,808	15,521	15,167	14,729	14,237	13,725
047	Christian County	73,955	73,309	74,027	73,999	73,725	73,599	73,527
049	Clark County	35,613	35,757	36,206	36,508	36,647	36,614	36,466
051	Clay County	21,730	21,013	20,177	19,168	18,038	16,862	15,755
053	Clinton County	10,272	10,174	10,220	10,235	10,216	10,148	10,081
055	Crittenden County	9,315	9,183	9,103	8,976	8,828	8,688	8,545
057	Cumberland County	6,856	6,759	6,585	6,358	6,111	5,833	5,550
059	Daviess County	96,656	99,259	102,033	104,517	106,676	108,502	110,129
061	Edmonson County	12,161	12,007	11,812	11,565	11,237	10,831	10,391
063	Elliott County	7,852	7,648	7,633	7,542	7,382	7,176	6,917
065	Estill County	14,672	14,375	14,059	13,654	13,188	12,655	12,076
067	Fayette County	295,803	314,488	333,580	354,318	375,637	397,513	419,813
069	Fleming County	14,348	14,637	14,790	14,887	14,876	14,763	14,602
071	Floyd County	39,451	37,756	36,156	34,308	32,302	30,240	28,262
073	Franklin County	49,285	50,375	50,836	51,123	51,201	51,028	50,704
075	Fulton County	6,813	6,238	5,726	5,252	4,789	4,349	3,939
077	Gallatin County	8,589	8,636	8,857	9,006	9,100	9,137	9,111
079	Garrard County	16,912	17,237	17,476	17,571	17,543	17,419	17,170
081	Grant County	24,662	24,757	24,793	24,758	24,595	24,377	24,017
083	Graves County	37,121	37,421	37,883	38,243	38,483	38,657	38,788
085	Grayson County	25,746	26,221	26,433	26,489	26,440	26,275	26,128

FIPS	Location	2010 Census	2015 Estimate	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
087	Green County	11,258	11,010	10,716	10,367	9,971	9,542	9,093
089	Greenup County	36,910	36,068	35,475	34,686	33,706	32,570	31,407
091	Hancock County	8,565	8,692	8,786	8,842	8,839	8,752	8,629
093	Hardin County	105,543	106,439	112,494	118,413	124,137	129,638	134,901
095	Harlan County	29,278	27,703	26,368	24,936	23,381	21,799	20,324
097	Harrison County	18,846	18,763	18,751	18,674	18,464	18,114	17,694
099	Hart County	18,199	18,454	18,683	18,836	18,935	18,955	18,889
101	Henderson County	46,250	46,407	46,358	46,057	45,516	44,844	43,987
103	Henry County	15,416	15,620	15,617	15,514	15,360	15,081	14,743
105	Hickman County	4,902	4,612	4,349	4,077	3,803	3,563	3,306
107	Hopkins County	46,920	46,222	45,565	44,661	43,549	42,293	40,890
109	Jackson County	13,494	13,352	13,119	12,742	12,271	11,695	11,091
111	Jefferson County	741,096	763,623	790,010	815,058	837,477	857,013	875,459
113	Jessamine County	48,586	51,961	56,126	60,271	64,398	68,573	72,917
115	Johnson County	23,356	23,175	23,058	22,813	22,416	21,935	21,451
117	Kenton County	159,720	165,012	169,386	173,041	176,039	178,392	180,412
119	Knott County	16,346	15,693	14,841	13,957	12,997	12,015	11,060
121	Knox County	31,883	31,730	31,443	30,975	30,310	29,514	28,633
123	Larue County	14,193	14,241	14,311	14,348	14,309	14,197	14,040
125	Laurel County	58,849	60,094	61,519	62,592	63,429	63,882	64,045
127	Lawrence County	15,860	15,745	15,668	15,378	14,979	14,515	14,038
129	Lee County	7,887	6,752	6,433	6,102	5,727	5,318	4,898
131	Leslie County	11,310	10,711	10,144	9,505	8,831	8,158	7,537
133	Letcher County	24,519	23,123	22,207	21,147	19,970	18,736	17,545
135	Lewis County	13,870	13,682	13,434	13,103	12,690	12,210	11,721
137	Lincoln County	24,742	24,463	24,324	24,035	23,576	22,975	22,319
139	Livingston County	9,519	9,316	9,131	8,889	8,572	8,223	7,879
141	Logan County	26,835	26,910	26,890	26,770	26,494	26,078	25,618
143	Lyon County	8,314	8,306	8,476	8,602	8,669	8,697	8,705
145	McCracken County	65,565	65,018	65,317	65,487	65,376	64,918	64,273
147	McCreary County	18,306	17,878	17,840	17,630	17,320	16,929	16,486
149	McLean County	9,531	9,512	9,274	8,980	8,642	8,289	7,942
151	Madison County	82,916	87,824	91,774	95,773	99,688	103,064	106,301
153	Magoffin County	13,333	12,808	12,497	12,094	11,611	11,029	10,391
155	Marion County	19,820	19,365	19,640	19,824	19,929	19,961	19,909
157	Marshall County	31,448	31,101	31,149	31,060	30,830	30,437	29,980
159	Martin County	12,929	12,307	11,697	11,059	10,386	9,686	8,997
161	Mason County	17,490	17,099	17,106	17,074	16,941	16,725	16,448
163	Meade County	28,602	27,924	27,395	26,780	26,025	25,127	24,068
165	Menifee County	6,306	6,358	6,175	5,940	5,633	5,267	4,901
167	Mercer County	21,331	21,407	21,389	21,255	20,962	20,539	20,040
169	Metcalfe County	10,099	9,909	9,773	9,595	9,390	9,154	8,900
171	Monroe County	10,963	10,667	10,291	9,896	9,474	9,021	8,567
173	Montgomery County	26,499	27,608	29,421	31,241	33,051	34,810	36,571
175	Morgan County	13,923	13,275	12,824	12,324	11,762	11,155	10,536
177	Muhlenberg County	31,499	31,183	30,582	29,903	29,110	28,211	27,286

FIPS	Location	2010 Census	2015 Estimate	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
179	Nelson County	43,437	45,126	47,473	49,702	51,695	53,337	54,752
181	Nicholas County	7,135	7,131	7,070	6,997	6,896	6,781	6,678
183	Ohio County	23,842	24,216	24,235	24,083	23,832	23,534	23,181
185	Oldham County	60,316	64,875	69,419	74,806	81,831	90,346	99,124
187	Owen County	10,841	10,730	10,464	10,164	9,837	9,482	9,060
189	Owsley County	4,755	4,461	4,300	4,125	3,919	3,685	3,463
191	Pendleton County	14,877	14,408	14,051	13,588	13,020	12,352	11,603
193	Perry County	28,712	27,565	26,777	25,771	24,621	23,382	22,189
195	Pike County	65,024	61,792	59,412	56,810	53,994	51,085	48,297
197	Powell County	12,613	12,269	11,753	11,192	10,584	9,966	9,332
199	Pulaski County	63,063	63,782	65,677	67,345	68,854	70,180	71,296
201	Robertson County	2,282	2,138	2,107	2,053	1,983	1,907	1,812
203	Rockcastle County	17,056	16,942	16,740	16,455	16,078	15,618	15,105
205	Rowan County	23,333	23,892	24,879	25,809	26,953	28,023	28,982
207	Russell County	17,565	17,662	17,949	18,178	18,303	18,362	18,410
209	Scott County	47,173	52,420	59,589	67,570	76,607	86,721	97,745
211	Shelby County	42,074	45,632	49,988	54,637	59,415	64,209	69,239
213	Simpson County	17,327	18,006	18,396	18,764	19,042	19,181	19,230
215	Spencer County	17,061	17,894	19,451	21,069	22,780	24,479	26,065
217	Taylor County	24,512	25,420	25,945	26,446	26,890	27,298	27,718
219	Todd County	12,460	12,531	12,641	12,755	12,854	12,960	13,092
221	Trigg County	14,339	14,233	14,395	14,482	14,544	14,558	14,515
223	Trimble County	8,809	8,769	8,673	8,554	8,363	8,104	7,794
225	Union County	15,007	15,050	14,906	14,654	14,290	13,811	13,278
227	Warren County	113,792	122,851	133,207	144,676	157,013	170,139	183,705
229	Washington County	11,717	12,063	12,354	12,656	12,904	13,079	13,198
231	Wayne County	20,813	20,464	20,200	19,790	19,246	18,578	17,800
233	Webster County	13,621	13,170	12,600	11,958	11,288	10,600	9,910
235	Whitley County	35,637	36,129	35,987	35,677	35,116	34,372	33,671
237	Wolfe County	7,355	7,259	7,282	7,208	7,074	6,902	6,696
239	Woodford County	24,939	25,793	26,593	27,421	28,229	28,941	29,487
	Barren River ADD	284,195	295,952	308,284	321,091	334,069	347,077	359,989
	Big Sandy ADD	154,093	147,838	142,820	137,084	130,709	123,975	117,398
	Bluegrass ADD	770,404	806,167	842,987	881,238	919,654	957,644	995,859
	Buffalo Trace ADD	56,478	55,877	55,576	55,017	54,099	52,881	51,493
	Cumberland Valley ADD	236,618	234,300	231,747	227,836	222,647	216,420	209,998
	FIVCO ADD	137,884	134,944	133,540	131,376	128,526	125,148	121,568
	Gateway ADD	81,652	83,361	85,828	88,108	90,463	92,561	94,476
	Green River ADD	213,472	216,306	218,192	219,091	219,083	218,332	217,056
	Kentucky River ADD	114,762	109,048	104,801	99,893	94,383	88,548	82,881
	KIPDA ADD (Kentucky part)	959,091	995,115	1,036,344	1,077,108	1,116,753	1,154,402	1,190,669
	Lake Cumberland ADD	207,256	207,984	209,833	210,729	210,785	210,070	208,870
	Lincoln Trail ADD	269,117	271,397	280,073	288,060	295,050	300,860	305,801
	Northern Kentucky ADD	438,647	454,020	470,233	485,669	500,461	514,517	528,027
	Pennyrile ADD	219,305	216,964	216,553	214,808	212,277	209,515	206,588
	Purchase ADD	196,393	195,819	196,653	197,307	197,423	196,732	195,708

APPENDIX 3

Distribution System Map



BASEMAP LEGEND

UNIMPROVED ROAD	ROAD UNDER CONSTRUCTION	CRIPPLED STATE OF ROAD ROAD	IMPROVED ROAD	ROAD UNDER CONSTRUCTION	CRIPPLED STATE OF ROAD ROAD
ROAD UNDER CONSTRUCTION	CRIPPLED STATE OF ROAD ROAD	IMPROVED ROAD	ROAD UNDER CONSTRUCTION	CRIPPLED STATE OF ROAD ROAD	IMPROVED ROAD
ROAD UNDER CONSTRUCTION	CRIPPLED STATE OF ROAD ROAD	IMPROVED ROAD	ROAD UNDER CONSTRUCTION	CRIPPLED STATE OF ROAD ROAD	IMPROVED ROAD

REVISIONS:

P.A. 732-01 DICK ROAD, JULY 1994 (NOT ON MAP) LOCKWOOD RD, APRIL 1995 (NOT ON MAP) 4" W.I. AT SPANISH SPRING, JUNE 1995 WINDY RIDGE ROAD, JULY 1994 (INSERT MAP) MAY 2002 (REV)	P.A. 732-02 CONTRACT 902-02, OCTOBER 1992 CONTRACT 902-03, OCTOBER 1992 UNION LIGHT COXCOCK ROAD, APRIL 1994 NOW BLEDGE ROAD, APRIL 1994	P.A. 732-03 NORMAN ROAD, SEPT. 1995 (INSERT MAP) CONTRACT 903-01, FEBRUARY 1994 CONTRACT 903-02, FEBRUARY 1994 CONTRACT 903-03, FEBRUARY 1994 3" W.I. AT COUNTY RD. FEB. 1996 (INSERT MAP) NOW LAUREL CREEK, MARCH 1996 (INSERT MAP) APPROX. W.I. JULY 1996 (INSERT MAP) DICK RD, JULY 1996 (INSERT MAP) KY STATE HWY 422, JULY 1996	P.A. 732-04 CONTRACT 904-01, APRIL 1997 CONTRACT 904-02, AUGUST 1997 ROODS LAUREL LN, APRIL 1997 (INSERT MAP) HOLLING MEADOWS, SEPT. 1997 (INSERT MAP) KAY RD, APRIL 1997 (INSERT MAP) CROOKAN ROAD, RD-200, CHECK RD., SEPT. 1997 FORSYTHE ROAD, APR. 1997 (INSERT MAP) PERRYMAN-PERRYMAN BRANCH RD., APR. 1997 HOLLING MEADOWS, SEPT. 1997 DIXIE, ESTABLISH & SEE ROAD, OCT. 1997 RINE BECKER ROAD, MARCH 1998 (INSERT MAP) RAY COBB FARM ROAD, MARCH 1998 SEVEN SPRINGS COUNTY EST., JULY 1998 BROWN CREEK ROAD, AUGUST 1998	P.A. 732-05 DANIEL COLLARD FARM, OCTOBER 1998 STONON SUBDIVISION, SEPTEMBER 1999 DEERWOOD SUBDIVISION, FEBRUARY 2000 CLARENCE SPRING, SEPTEMBER 2000 NOW HEDGES, MAY 2001 (INSERT MAP) COUNTY FARM ROAD, MARCH 2001 CHICKADEE FARM SUBDIVISION, MARCH 2001 WINDY RIDGE, JANUARY 2002 LAUREL RIDGE CAMP ROAD, OCTOBER 2001 HOLLING MEADOWS, JANUARY 2002 ROCKY HILL MOBILE HOME SUBD., MAR. 2002 INDUSTRIAL PARK PROJECT, MARCH 2003 LAKE FOREST PROPERTIES, MARCH 2003 GREEN MEADOWS SUBDIVISION, MARCH 2004 CHERRYBARK ESTATES, MARCH 2004 BONWOOD ACRES, AUGUST 2004	P.A. 732-06 FORBES ROAD (PHASE 2), AUGUST 2005 (INSERT MAP) SANDERS ROAD, MAY 2007 LAKE FOREST PROPERTIES, MAY 2005 AT HWY 743, SEPTEMBER 2005 RICHARD SUBDIVISION, SEPTEMBER 2005 EDMONSON HILLS, APR. DECEMBER 2005 NORMAN CREEK ESTATES, DECEMBER 2005 DEERWOOD, MAY 10, FEBRUARY 2006 CONVERSE ESTATES, MARCH 2006 ON-16-HIGH CREEK, MAY 2006 (NOT ON MAP) MORROW TRACE, APRIL 2006 BONWOOD ACRES SEC. 2, JULY 2006 DEERLAND WATERFRONT, OCTOBER 2006 NICHOLSON SUBDIVISION, NOVEMBER 2006 MORRIS AMBERWOOD SHORES LOTS, MARCH 2007 (INSERT MAP) WINDY RIDGE, MARCH 2007 MILLON CREEK SUBDIVISION, APRIL 2007 NICHOLSON BLUFFS SUBD., APRIL 2008 (REV) ROCKY RIDGE SEC. 1, JUNE 2009 (INSERT MAP) ROCKY RIDGE SUBDIVISION, JUNE 2009 CLARK FARM SUBDIVISION, DECEMBER 2010 RED ROCK-HOLLY LAKE, JUNE 2010 (INSERT MAP) HOLLY HILLS, APRIL 2011 THE POINTS AT MOUNTAIN, AUGUST 2011 DEERWOOD, MAY 10, JUNE 2012 WINDY RIDGE, OCTOBER 2012 CLARK FARM SUBDIVISION, DECEMBER 2010 FARMER RIDGE ESTATES, AUGUST 2011 (INSERT MAP) CARROLLS CREEK SEC. 1, JAN. 2014 (INSERT MAP) PHILIPS NORTHON ROAD, NOVEMBER 2014 GREEN ACRES SUBDIVISION, MAY 2015
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WATER SYSTEM LEGEND

(WT)	WATER STORAGE TANK
(PS)	PUMP STATION
(PRV)	PRESSURE REDUCING VALVE
(FCV)	FLOW CONTROL VALVE
(FM)	FLOW MONITOR
(LDM)	LEAK DETECTION METER
(P.V.)	P.R.V. INLET/OUTLET DATA
---	WATER LINE

EDMONSON COUNTY WATER DISTRICT SYSTEM MAP

BASE MAP BY KENTUCKY DEPT. OF HIGHWAYS, DIVISION OF PLANNING

www.gwinc.com

NOTE: SHADED AREAS INDICATE CONGESTED LOCATIONS WHERE WATER LINES ARE SHOWN ON EDW-INSERTS.DWG DRAWING. MAIN TRANSMISSION LINES ARE SHOWN IN THE CONGESTED LOCATIONS ON THIS DRAWING BUT LOCAL SUPPLY LINES ARE NOT.

UTILITY RELOCATIONS ARE NOT REFLECTED ON KEY MAP UNLESS RELOCATION RESULTS IN WATER LINE BEING MOVED A CONSIDERABLE DISTANCE FROM ORIGINAL LOCATION.

APPENDIX 4

2017 Annual Water Quality Report



2017 Annual Water Quality Report
Edmonson County Water District
 PWSID# 0310114 Facilities A & B
 Water testing performed in 2016

We are pleased to present this years Annual Water Quality Report. This report is designed to inform the public about the quality of water and services provided on a daily basis. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and to protect our customers and resources. We are committed to ensuring the quality of your water with lines in Edmonson, Hart, Grayson, Warren and Butler Counties with a combined total population of over 27,300 people. Brownsville WTP is our facility "A" and serves over 14,600 people and Wax WTP is our "B" facility and serves over 12,700 people.

In conjunction with the Barren River Area Development District, Edmonson Co. Water District has developed a Source Water Assessment and Protection Plan for Brownsville WTP "A" and with The Lincoln Trail Area Development District for Wax WTP "B". Both are classified as surface water treatment facilities. The Brownsville WTP draws water from Green River and Wax WTP draws water from Nolin Reservoir. The susceptibility of contaminants is in the moderate category due to the route of the rivers. The rivers pass through towns, under bridges on major roads, close to underground storage sites, agriculture activities and oil and gas production facilities. A complete source water assessment can be obtained and viewed at the Edmonson Co. Water District office located at 1128 Hwy. 259 N, Brownsville, KY between 8am and 4:30pm Mon-Fri. Our regular scheduled board meetings are on the 2nd and 4th Tues. at 8:30am at the Water District Office. Also available by request is a complete list and report of all parameters of contaminants that are sampled for each year.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Our commitment is to provide our customers with a safe, clean, and reliable supply of drinking water. We would like the public to be assured that we will continue to monitor, improve, and protect the water system and deliver a high quality water direct from the tap. We know that water is the most indispensable product in every home and we ask everyone to be conservative and help us in our efforts to protect the water sources and the water system. Please report any activity that might jeopardize the water supply.



"Thank You" if you have reported a leak.
Please continue helping us watch for leaks.

www.ecwdwater.com

The Edmonson County Water District's Goal is to continually improve the water facilities that provide you "our customers" with a safe and dependable supply of drinking water. We want you to be aware of the efforts we make daily to provide this service.



The Edmonson County Water District is blessed with two excellent sources of Raw Water. Please help keep pollution out of these waters. Always follow direction when applying sprays and fertilizer. Please do not dump trash of any sort into these streams. The cleaner the Raw Water supply, the less treatment is required.



Brownsville WTP



The Brownsville WTP is on Green River being our facility "A", that serves over 14,600 people and our Wax WTP is on Nolin Lake being our facility "B", that serves over 12,700 people.

Wax WTP



The Water District also consists of approximately 693 miles of water mains in Edmonson, Hart, Grayson, Warren and Butler Counties, 19 storage tanks, main office building, and 3 maintenance and storage buildings. The Water District will continue to provide its 10,000± customers with dependable service at a reasonable price.



Our Treatment Plant and Distribution Line Operators are license professionals that work long hours seven (7) days a week, three hundred sixty-five (365) days a year so that you are provided with quality service. The Water Districts Wastewater division provides service on the north side of Green River to customers within the city limits of Brownsville; the Water District also supplies sewer service to customers in the Chalybeate, New Grove, Pig Road and 31-W areas. Anyone desiring to hook on to the Sewer System or has questions can contact the Water District office.

Please visit our website at www.ecwdwater.com. We now provide online service that includes bill payment, history and usage reports.

PWSID# 0310114
 P.O. Box 208 - Brownsville, KY 42210
 System Manager: Tony Sanders
 270-597-2165
 CCR Contact: Tim Brewster
 270-597-3591



Facility ID	Facility A - Brownsville WTP		Facility B - Wax WTP				Facility D - Distribution			Likely Source
	Allowable Level	Highest Level Detected	Lowest Monthly %	Violation						
Turbidity	A=	Never more than 1.0	0.28	100%	No	Soil Runoff				
	B=	NTU. Less than 0.3 NTU 95% of samples	0.29	100%	No					
Contaminant		Sample Date	MCL	MCLG	Amount Detected	Range	Violation	Likely Source		
Total Organic Carbon(ppm)	A=	Monthly	1.0 (ratio avg.)	1.6	1.1 - 1.8	N	Naturally present in environment			
	B=			2	1.2 - 2.6	N				
Mthly ratio is the % TOC removal achieved to the % TOC removal required. Lowest annual avg. of ratios must be 1.00 or greater.										
Copper(ppm)	D=	Sept 2014	AL= 1.3	0	0.021 (90th percentile)	0.1 to .46	N	Corrosion of household plumbing systems		
Lead(ppb)	D=	Sept 2014	AL=15	0	2.1 (90th percentile)	1.0 to 3.3	N	Corrosion of household plumbing systems		
Chlorine(ppm)	A=	Daily 2016	MRDL 4	MRDLG 4	0.50- 2.31	0.5 to 2.31	N	Water additive used to control microbes		
	B=	Daily 2016			1.20 - 2.30	1.2 to 2.3	N			
Fluoride(ppm)	A=	Apr. 19, 2016	4	4	0.8		N	Water additive which promotes strong teeth		
	B=	Apr. 19, 2016			0.90		N			
HAAS (Haloacetic Acids) (ppb)	D=	Highest 2016 Qtrly Avg.	60	N/A	31.5 (highest avg)	14.0 to 42	N	Byproduct of drinking water disinfection		
TTHM (total trihalomethanes)(ppb)	D=	Highest 2016 Qtrly Avg.	80	N/A	40 (highest avg)	14 to 54.2	N	Byproduct of drinking water disinfection		
Nitrate(ppm)	A=	Feb 2016	10	0	1.6	0.0 to 1.6	N	Fertilize use, leaching from septic tanks, erosion of natural deposits		
	B=	Feb 2016			2.8	0 to 2.8	N			
Dalapon(ppb)	A=	10/2015, 2/2016 10/2016	200	200	<22.0	0->22.0	Y	Runoff from herbicide used on rights of way		
Sodium(ppm)	A=	Apr & Aug 2016	-	20 Optimum	4.5 (avg.)	4.0 to 5.0	N			
	B=	Apr & Aug 2016			7.0 (avg.)	6.0 to 8.0	N			
Atrazine	-	-	-	-	-	-	-	Runoff from herbicide used on rights of way		
	B=	3rd. Qtr. 2016	3	3	0.38	0.0 - 0.38	Y			

Some or all of these definitions may be found in this report:
Nephelometric Turbidity Unit (NTU) - A measure of the clarity of water. Turbidity has no health effects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

Parts per million (ppm) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system shall follow.

Treatment Technique (TT) - a required process intended to reduce the level of a contaminant in drinking water.

Total Organic Carbon (TOC) - has no health effects. However, total organic carbon, provides a medium for the formation of disinfection byproducts. These byproducts include trihalomethanes, or THMs, and haloacetic acids, or HAAs. Drinking water containing these byproducts in excess of the MCL may lead to adverse health effects, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer.

MRL-Minimum Reporting Level

NDS-No Data Submitted

Our water system violated one or more drinking water requirements over the past year. Even though these were not emergencies, as our customers, you have the right to know what happened and what we are doing or did to correct these situations. We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the periods listed below, we did not monitor or test for the listed contaminants and therefore cannot be sure of the quality of your drinking water during that time.

There is nothing you need to do at this time. The table below lists the contaminants we did not properly test for during the last years, how often we are supposed to sample for the listed contaminants, how many samples we are supposed to take, how many samples we took, when samples should have been taken, and date on which follow-up samples were or will be taken.

The following is a list of Edmonson County Water District's compliance determinations and description of each contaminant and its potential health effects as outlined by Federal EPA Guidelines.

Notice of Violations:

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the periods listed below, we did not monitor or test for the listed contaminant(s) and therefore cannot be sure of the quality of your drinking water during that time.

#1. In March, 2017 the Edmonson County Water District received 3 notices of violation from the division of water for failure to sample for Dalapon, a synthetic organic parameter, for the 4th qtr. of 2015 qtr., 1st qtr. of 2016 and the 4th qtr. of 2016. Although 4 consecutive quarters were sampled with less than 0.00022 mg/l results being returned between Nov. 2014 and Aug. 2015, the Division of Water issued Violations for not receiving a letter from the Water District requesting reduced monitoring. The violations received were for each quarter the letter had not been received.

The Water District has submitted the required request letter for reduced monitoring.

There are no health effects associated with this violation and if there were our customers would have been notified immediately.

#2. The Edmonson County Water District received a notice of violation in November 2016 for routine monitoring /reporting. On the August 2016 Monthly Operating Report, the required sample results for Chlorine analysis were inadvertently omitted from page 7, day 31. The Edmonson County Water District has since submitted the required missing day of analysis.

There are no health effects associated with this violation and if there were our customers would have been notified immediately.

#3. In March 2017, the Edmonson County Water District received a notice of violation for the Wax WTP for non-submittal of an Atrazine sample during the third quarter of 2016. The Atrazine sample, which is part of our routine Synthetic Organic Contaminants monitoring, was submitted as required but had to be re-sampled due to container failure which resulted in the sample being submitted in the fourth quarter of 2016.

There are no health effects associated with this violation and if there were our customers would have been notified immediately.

#4. In April 2017, Edmonson Co. Water Dist. Brownsville WTP received a notice of violation for failure to sample E. coli when conducting our Cryptosporidium/Giardia sampling during January 2014 thru December 2015. The E. coli monitoring along with turbidity of the raw (un-treated) water was to be conducted by our contract laboratory and was inadvertently omitted from the sampling process.

There are no health effects associated with this violation and if there were our customers would have been notified immediately.

The Edmonson Co. Water Dist. will re-start the Cryptosporidium/Giardia sampling cycle again in 2017.

#5. In April 2017, Edmonson Co. Water Dist. Wax WTP received a notice of violation for failure to sample E. coli when conducting our Cryptosporidium/Giardia sampling during January 2014 thru December 2015. The E. coli monitoring along with turbidity of the raw (un-treated) water was to be conducted by our contract laboratory and was inadvertently omitted from the sampling process.

There are no health effects associated with this violation and if there were our customers would have been notified immediately.

The Edmonson Co. Water Dist. will re-start the Cryptosporidium/Giardia sampling cycle again in 2017.

#6. The Edmonson Co. Water Dist. received a notice of violation for listing our fluoride readings from the state health dept. analysis for both of our treatment facilities instead of the fluoride results from our Inorganics analysis. There were no health effects associated with this violation and if there were our customers would have been notified immediately.

The Edmonson Co. Water Dist. has shown Fluoride results from the Inorganics analysis for this report and will do so in the future Consumer Confidence Reports as well.

For more information contact Tim Brewster, ECWD Compliance Officer at P.O. Box 208, Brownsville, KY 42210.

Edmonson County Water District routinely monitors for constituents in your drinking water according to Federal and State Laws. This report shows the detected contaminant results of our monitoring for the period of January 1st to December 31, 2016. Some contaminants are not required to be tested for every year, therefore, for some, we are reporting for the most current data available. Contact the Edmonson County Water District for a complete listing of all the contaminants tested for during the year. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/Aids or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. We are required to monitor the source of your drinking water for Cryptosporidium in order to determine whether treatment is adequate to remove Cryptosporidium from your drinking water. EPA Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 800-426-4791.

The sources of drinking water, both tap water and bottled water; include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wild life. Inorganic contaminants, such as salts and metals, that may be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses. Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and may also come from gas stations, urban storm water runoff, and septic systems. Radioactive contaminants, which may be naturally-occurring or be the result of oil and gas production and mining activities. To ensure that tap water is safe to drink, U.S. EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. U.S. FDA regulations establish limits for contaminants in bottled water that shall provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be obtained by calling Environmental Protection Agency's Safe Drinking Water Hotline at 800-426-4791.

Information about lead - If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Edmonson Co. Water District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested.

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

**The next compliance sampling period for Edmonson County Water District for lead and copper is scheduled for June-September 2017.

Spanish (Española) Este informado contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

APPENDIX 5

Summary Addendum

SUMMARY ADDENDUM
TO
PRELIMINARY ENGINEERING REPORT

DATED September 2017

FOR

Edmonson County Water District
(2017 Edmonson/Hart Water Line Project)

APPLICANT CONTACT PERSON Tony Sanders

APPLICANT PHONE NUMBER 502-597-2165

APPLICANT TAX IDENTIFICATION NUMBER (TIN) 61-0712517

ITEMS IN BOLD ITALIC PRINT ARE APPLICABLE TO SEWER SYSTEMS.

In order to avoid unnecessary delays in application processing, the applicant and its consulting engineer should prepare a summary of the preliminary report in accordance with this Guide.

Please complete the applicable sections of the Summary Addendum. ***Please note, if water and sewer revenue will both be taken as security for the loan, all user information and characteristics of both utility systems will be needed even though the project will benefit only one utility.***

Feasibility reviews and grant determinations may be processed more accurately and more rapidly if the Summary/Addendum is submitted simultaneously with the preliminary engineering report, or as soon thereafter as possible.

I. GENERAL

A. Proposed Project: Provide a brief description of the proposed project. In addition to this summary, the applicant/engineer should submit a project map of the service area.

The proposed project consists of line extensions to provide water service to roads previously unserved by a potable water supply, one line to provide emergency connection to an adjacent water system, and two lines to connect between existing water lines within the system (note: these 2 lines also are on roads previously unserved). The project also involves the installation of blowoff hydrants at various locations throughout the District and installation of leak detection meters at 4 existing water storage tank sites. Maps are included in the PER showing the location of the proposed facilities.

II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM N/A

A. *Sewage Treatment:*

1. *Type* _____

2. *Method of Sludge Disposal* _____

3. *Cost per 1,000 gallons if sewage treatment is contracted:*
\$ _____

4. *Date Constructed* _____

B. *Treatment Capacity of Sewage Treatment Plant* _____

C. *Type of Sewage Collector System (Describe)* _____

D. *Number and Capacity of Sewage Lift Stations* _____

E. Sewage Collection System:

Lineal Feet of Collector Lines, by size 6" _____ 8" _____
10" _____ 12" _____, Larger _____
Date(s) Constructed _____

F. Conditions of Existing System: Briefly describe the conditions and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract if applicable.

ECWD has 2 WTP's – 2.92 MGD Brownsville WTP which operate 8-16 hrs/day to meet peak demands and the 1 MGD Wax WTP which currently operates 12-23 hrs/day depending on seasonal demands. The sources for both plants (Green River and Nolin Lake) are more than adequate.

If the applicant purchases water:

Seller(s):

1. N/A
2. _____
3. _____

Price/1,000 gallons:

1. _____
2. _____
3. _____

Present Estimated Market Value of Existing System: \$ 25,150,000

B. Water Storage:

Type: Ground Storage Tank 7 Elevated Tank 10
Standpipe 2 Other _____
Number of Storage Structures 19
Total Storage Volume Capacity 4,020,000
Date Storage Tank(s) Constructed 1970-2009

C. Water Distribution System:

Pipe Material AC, PVC (App. 627 mi. total)
Lineal Feet of Pipe: 3" Diameter 68 mi. 4" 340 mi.
6" 181 mi. 8" 31 mi.
10" 1.4 mi. 12" 8.3 mi. 16" 2.3 mi.
Date(s) Water Lines Constructed 1968 to 2014
Number and Capacity of Pump Station(s) 12 stations with capacities from 100 gpm to 1150 gpm

D. Condition of Existing Water System:

Briefly describe the condition and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

The existing facilities, with proper maintenance, appear to be in good condition and suitable for continued use; the Wax WTP may need to be expanded within five to ten years.

E. Percentage of Water Loss Existing System Approx. 22%

IV. EXISTING LONG-TERM INDEBTEDNESS

A. List of Bonds and Notes:

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Principal Balance</u>	<u>Payment Date</u>	<u>Bond Type Water/Sewer*</u>	<u>Amount on Deposit in Reserve Account</u>
SEE ATTACHED SHEET					
19__ Issue	_____	\$ _____	_____	% _____%	
19__ Issue	_____	\$ _____	_____	% _____%	
19__ Issue	_____	\$ _____	_____	% _____%	
19__ Issue	_____	\$ _____	_____	% _____%	
19__ Issue	_____	\$ _____	_____	% _____%	

* If a combined issue, show attributable portion to each system.

B. Principal and Interest Payments: (Begin with Next Fiscal Year Payment)

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Payment Year 19__</u>		<u>Payment Year 19__</u>		<u>Payment Year 19__</u>	
		<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>
SEE ATTACHED SHEET							
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____

IV. EXISTING LONG - TERM INDEBTEDNESS

Date of Issue	Dec. 2016 Principal Balance	Payment Date	Bond/Note Holder	Interest Rate	2017 Principal Payment	2017 Interest Payment	2017 Total Payment	Dec. 2017 Principal Balance	2018 Principal Payment	2018 Interest Payment	2018 Total Payment
2001 (A)	\$2,923,000	Jan/July	RD	3.25%	\$82,500	\$95,000	\$177,500	\$2,840,500	\$85,180	\$92,320	\$177,500
2001 (B)	\$221,700	Jan/July	RD	4.50%	\$5,300	\$10,000	\$15,300	\$216,400	\$5,560	\$9,740	\$15,300
2003	\$362,500	Jan/July	RD	4.38%	\$8,000	\$15,900	\$23,900	\$354,500	\$8,370	\$15,530	\$23,900
2007 A	\$1,080,000	Jan/July	RD	4.38%	\$18,000	\$47,300	\$65,300	\$1,062,000	\$18,785	\$46,515	\$65,300
2007 B	\$466,000	Jan/July	RD	4.13%	\$8,000	\$19,250	\$27,250	\$458,000	\$8,335	\$18,915	\$27,250
2009	\$1,382,000	Jan/July	RD	4.13%	\$22,000	\$57,075	\$79,075	\$1,360,000	\$22,905	\$56,170	\$79,075
2010A	\$523,000	Jan/July	RD	2.25%	\$10,000	\$11,770	\$21,770	\$513,000	\$10,230	\$11,540	\$21,770
2010B	\$642,500	Jan/July	RD	2.25%	\$12,500	\$14,460	\$26,960	\$630,000	\$12,785	\$14,175	\$26,960
2013 A	\$495,000	Jan/July	RD	2.13%	\$9,000	\$10,545	\$19,545	\$486,000	\$9,195	\$10,350	\$19,545
2013 B	\$158,000	Jan/July	RD	3.00%	\$2,500	\$4,740	\$7,240	\$155,500	\$2,575	\$4,665	\$7,240
Subtotal RD:	\$8,253,700				\$177,800	\$286,040	\$463,840	\$8,075,900	\$183,920	\$279,920	\$463,840
2008 C	\$405,000	Jan/July	KRWFC	3.55%	\$60,000	\$14,380	\$74,380	\$345,000	\$62,130	\$12,250	\$74,380
2012 D	\$2,535,000	Jan/July	KRWFC	3.50%	\$105,000	\$88,725	\$193,725	\$2,430,000	\$108,675	\$85,050	\$193,725
2013 B	\$1,615,000	Jan/July	KRWFC	3.60%	\$120,000	\$58,140	\$178,140	\$1,495,000	\$124,320	\$53,820	\$178,140
Subtotal KRWFC:	\$4,555,000				\$285,000	\$161,245	\$446,245	\$4,270,000	\$295,125	\$151,120	\$446,245
Totals - Existing	\$12,808,700				\$462,800	\$447,285	\$910,085	\$12,345,900	\$479,045	\$431,040	\$910,085
\$709,500 Prop. Loan	\$0	Jan/July	RD	3.50%	\$0	\$18,270	\$18,270	\$709,500	\$10,000	\$24,800	\$34,800
Totals - RD Ex. & New					\$177,800	\$304,310	\$482,110		\$193,920	\$304,720	\$498,640

V. EXISTING SHORT-TERM INDEBTEDNESS - *None*

A. List of All Short Term Debts: (Do Not Show Any Debt Listed in Paragraph IV Above)

<u>Lender or Lessor</u>	<u>Date of Issue (Month & Year)</u>	<u>Principal Balance</u>	<u>Purpose (Water and/ or Sewer)</u>	<u>Payment Date</u>	<u>Principal & Interest Payment (P&I)</u>	<u>Date to Be Paid In Full</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

VI. LAND AND RIGHTS - EXISTING SYSTEM(S)

Number of Treatment Plant Sites: Water 2 *Sewer*
 Number of Storage Tank Sites Water 19 *Sewer*
 Number of Pump Stations: Water 12 *Sewer*
 Total Acreage: Water Acres *Sewer* Acres
 Purchase Price: Water \$ 220,000 *Sewer* \$

VII. NUMBER OF EXISTING USERS

	<u>Water</u>	<u>Sewer</u>
Residential (In Town) *	_____	_____
Residential (Out of Town) *	<u>10,157</u>	_____
Non-Residential (In Town)	<u>1</u>	_____
Non-Residential (Out of Town)	<u>72</u>	_____
Total	<u>10,230</u>	_____
Number to Total Potential Users Living in the Service Area	_____	_____

*Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residence.

VIII. CURRENT WATER AND SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

<u>Meter Size</u>	<u>Water Connection Fee</u>	<u>Sewer Connection Fee</u>
<u>5/8" x 3/4"</u>	\$ <u>575</u>	<u>\$</u>
<u>1 - Inch</u>	\$ <u>Actual Cost</u>	<u>\$</u>

IX. SEWER RATES - EXISTING SYSTEM N/A

Percentage of Water Bill _____ % Minimum Charge \$ _____

Other: (If Charge Not Based on Water Bill) _____

Date This Rate Went Into Effect _____

X. WATER RATES - EXISTING SYSTEM

Existing Rate Schedule:

First	<u>1,500</u>	Gallons @ \$ <u>13.00</u>	Minimum.
Next	_____	Gallons @ \$ _____	per 1,000 Gallons.
Next	_____	Gallons @ \$ _____	per 1,000 Gallons.
Next	_____	Gallons @ \$ _____	per 1,000 Gallons.
Next	_____	Gallons @ \$ _____	per 1,000 Gallons.
Next	_____	Gallons @ \$ _____	per 1,000 Gallons.
All Over	<u>1,500</u>	Gallons @ \$ <u>4.90</u>	per 1,000 Gallons.
<u>Wholesale to City of Brownsville:</u>		<u>\$2.90</u>	per 1000 gallons.

Date This Rate Went Into Effect 2014

If More Than One Rate Schedule, Please Include All Schedules.

XI. ANALYSIS OF ACTUAL SEWER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD

N/A

For Period _____ to _____.

<i>All Meter Sizes</i>	<i>Monthly Sewer Usage</i>	<i>Average</i>	<i>Residential</i>		<i>Non-Residential</i>	
			<i>No. of Users</i>	<i>Usage (1000)</i>	<i>No. of Users</i>	<i>Usage (1000)</i>
0 - 2,000	Gallons	1,000	_____	_____	_____	_____
2,000 - 3,000	Gallons	2,500	_____	_____	_____	_____
3,000 - 4,000	Gallons	3,500	_____	_____	_____	_____
4,000 - 5,000	Gallons	4,500	_____	_____	_____	_____
5,000 - 6,000	Gallons	5,500	_____	_____	_____	_____
6,000 - 7,000	Gallons	6,500	_____	_____	_____	_____
7,000 - 8,000	Gallons	7,500	_____	_____	_____	_____
8,000 - 9,000	Gallons	8,500	_____	_____	_____	_____
9,000 - 10,000	Gallons	9,500	_____	_____	_____	_____
10,000 - 11,000	Gallons	10,500	_____	_____	_____	_____
11,000 - 12,000	Gallons	11,500	_____	_____	_____	_____
12,000 - 13,000	Gallons	12,500	_____	_____	_____	_____
13,000 - 14,000	Gallons	13,500	_____	_____	_____	_____
14,000 - 15,000	Gallons	14,500	_____	_____	_____	_____
15,000 - 16,000	Gallons	15,500	_____	_____	_____	_____
16,000 - 17,000	Gallons	16,500	_____	_____	_____	_____
17,000 - 18,000	Gallons	17,500	_____	_____	_____	_____
18,000 - 19,000	Gallons	18,500	_____	_____	_____	_____
19,000 - 20,000	Gallons	19,500	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
		<i>Total</i>	(_____)	(_____)	(_____)	(_____)
		<i>Average Usage</i>		(_____)		(_____)

XII. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD

SEE ATTACHED SPREADSHEET FOR INFORMATION

For Period Jan. 2016 to Dec. 2016 .

All Meter Sizes	Monthly Water Usage	Average	Residential		Non-Residential	
			No. of Users	Usage (1000)	No. of Users	Usage (1000)
	0 - 2,000 Gallons	1,000	_____	_____	_____	_____
	2,000 - 3,000 Gallons	2,500	_____	_____	_____	_____
	3,000 - 4,000 Gallons	3,500	_____	_____	_____	_____
	4,000 - 5,000 Gallons	4,500	_____	_____	_____	_____
	5,000 - 6,000 Gallons	5,500	_____	_____	_____	_____
	6,000 - 7,000 Gallons	6,500	_____	_____	_____	_____
	7,000 - 8,000 Gallons	7,500	_____	_____	_____	_____
	8,000 - 9,000 Gallons	8,500	_____	_____	_____	_____
	9,000 - 10,000 Gallons	9,500	_____	_____	_____	_____
	10,000 - 11,000 Gallons	10,500	_____	_____	_____	_____
	11,000 - 12,000 Gallons	11,500	_____	_____	_____	_____
	12,000 - 13,000 Gallons	12,500	_____	_____	_____	_____
	13,000 - 14,000 Gallons	13,500	_____	_____	_____	_____
	14,000 - 15,000 Gallons	14,500	_____	_____	_____	_____
	15,000 - 16,000 Gallons	15,500	_____	_____	_____	_____
	16,000 - 17,000 Gallons	16,500	_____	_____	_____	_____
	17,000 - 18,000 Gallons	17,500	_____	_____	_____	_____
	18,000 - 19,000 Gallons	18,500	_____	_____	_____	_____
	19,000 - 20,000 Gallons	19,500	_____	_____	_____	_____
	_____ - _____ Gallons	_____	_____	_____	_____	_____
	_____ - _____ Gallons	_____	_____	_____	_____	_____
	_____ - _____ Gallons	_____	_____	_____	_____	_____
		Total	(_____)	(_____)	(_____)	(_____)
		Average Usage		(_____)		(_____)

Total Water Purchased and/or Produced _____
 Total Water Sold _____

XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM N/A

A. Sewage Treatment:

1. Type _____
2. Method of Sludge Disposal _____

3. Cost per 1,000 gallons if sewage treatment is contracted:
\$ _____

B. Treatment Capacity of Sewage Treatment Plant _____

C. Type of Sewage Collector System (Describe) _____

D. Number and Capacity of Sewage Lift Stations _____

E. Sewage Collection System:

Lineal Feet of Collector Lines, by size 6" _____ 8" _____
10" _____ 12" _____, Larger _____

XIV. LAND AND RIGHTS - PROPOSED SEWER SYSTEM N/A

Number of Treatment Plant Sites _____
Number of Pump Sites _____
Number of Other Sites _____
Total Acreage _____ **Acres**
Purchase Price \$ _____

XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract if applicable.

The water sources will remain the same; the Brownsville WTP has a capacity of 2.92 MGD; the Wax WTP has a capacity of 1.0 MGD. Capacity is adequate to meet seasonal demands.

B. Water Storage:

Type: Ground Storage Tank _____ Elevated Tank _____
Standpipe _____ Other _____

Number of Storage Structures _____

Total Storage Volume Capacity _____

C. Water Distribution System:

Pipe Material PVC

Lineal Feet of Pipe: 3" Diameter 11,015 4" 12,690

6" _____ 8" _____

10" _____ 12" _____

Number and Capacity of Pump Station(s) 1 new BPS with approx. 55 gpm capacity

XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM

Number of Treatment Plant Sites _____

Number of Pump Sites 1

Number of Other Sites _____

Total Acreage 0.1 Acres

Purchase Price \$ 3,500

XVII. NUMBER OF NEW SEWER USERS N/A

<i>Residential (In Town) *</i>	_____
<i>Residential (Out of Town) *</i>	_____
<i>Non-Residential (In Town)</i>	_____
<i>Non-Residential (Out of Town)</i>	_____
<i>Total</i>	_____
<i>Number to Total Potential Users Living in the Service Area</i>	_____

***Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.**

XVIII. PROPOSED SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4"</u>	\$
<u>1 - Inch</u>	\$
<u>1-1/2 Inch</u>	\$
<u>2 - Inch</u>	\$
<u>3 - Inch</u>	\$
<u>4 - Inch</u>	\$
<u>5 - Inch</u>	\$
<u>6 - Inch</u>	\$

XIX. NUMBER OF NEW WATER USERS

Residential (In Town) *	_____
Residential (Out of Town) *	<u>25</u>
Non-Residential (In Town)	_____
Non-Residential (Out of Town)	_____
Total	<u>25</u>
Number to Total Potential Users Living in the Service Area	_____

*Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.

XX. PROPOSED WATER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION:

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4"</u>	<u>\$ 287.50*</u>
<u>1 - Inch</u>	<u>\$ _____</u>
<u>1-1/2 Inch</u>	<u>\$ _____</u>
<u>2 - Inch</u>	<u>\$ _____</u>
<u>3 - Inch</u>	<u>\$ _____</u>
<u>4 - Inch</u>	<u>\$ _____</u>
<u>5 - Inch</u>	<u>\$ _____</u>
<u>6 - Inch</u>	<u>\$ _____</u>

* regular connection fee is 575.00; fee is reduced to \$287.50 if commitment is made prior to project construction.

XXI. SEWER RATES – PROPOSED N/A

A. Proposed Rate Schedule without RUS Grant:

Percentage of Water Bill _____ % Minimum Charge \$ _____

Other: (If Charge Not Based on Water Bill) _____

Proposed Rate Schedule: (Without RUS Grant)

<i>First</i>	_____ Gallons @ \$ _____	<i>Minimum.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>All Over</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. Recommended Rate Schedule with RUS Grant:

Percentage of Water Bill _____ % Minimum Charge \$ _____

Other: (If Charge Not Based on Water Bill) _____

Recommended Rate Schedule: (With RUS Grant)

<i>First</i>	_____ Gallons @ \$ _____	<i>Minimum.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>Next</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>
<i>All Over</i>	_____ Gallons @ \$ _____	<i>per 1,000 Gallons.</i>

If more than one rate, use additional sheets.

XXII. WATER RATES - PROPOSED

A. Proposed Rate Schedule **without RUS Grant:**

First	<u>1,500</u>	Gallons @ \$	<u>14.30</u>	Minimum.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
All Over	<u>1,500</u>	Gallons @ \$	<u>5.30</u>	per 1,000 Gallons.
Wholesale to City of Brownsville: @ \$ <u>3.13</u> per 1,000 Gallons.				

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. Recommended Rate Schedule with RUS Grant: w/ RD grant of \$387,000 and ARC grant of \$193,500

First	<u>1,500</u>	Gallons @ \$	<u>14.00</u>	Minimum.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
Next	_____	Gallons @ \$	_____	per 1,000 Gallons.
All Over	<u>1,500</u>	Gallons @ \$	<u>5.30</u>	per 1,000 Gallons.
Wholesale to City of Brownsville: @ \$ <u>3.13</u> per 1,000 Gallons.				

If more than one rate, use additional sheets.

XXIII. FORECAST OF SEWER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS

N/A

<u>Meter Size*</u>	<u>Monthly Sewer Usage</u>	<u>Average Rate</u>	<u>Residential</u>			<u>Non-Residential</u>		
			<u>No. of Users**</u>	<u>Usage (1000)</u>	<u>Income</u>	<u>No. of Users</u>	<u>Usage (1000)</u>	<u>Income</u>
	0 - 2,000 Gallons	1,000						
	2,000 - 3,000 Gallons	2,500						
	3,000 - 4,000 Gallons	3,500						
	4,000 - 5,000 Gallons	4,500						
	5,000 - 6,000 Gallons	5,500						
	6,000 - 7,000 Gallons	6,500						
	7,000 - 8,000 Gallons	7,500						
	8,000 - 9,000 Gallons	8,500						
	9,000 - 10,000 Gallons	9,500						
5/8	10,000 - 11,000 Gallons	10,500						
x	11,000 - 12,000 Gallons	11,500						
3/4	12,000 - 13,000 Gallons	12,500						
Inch	13,000 - 14,000 Gallons	13,500						
	14,000 - 15,000 Gallons	14,500						
	15,000 - 16,000 Gallons	15,500						
	16,000 - 17,000 Gallons	16,500						
	17,000 - 18,000 Gallons	17,500						
	18,000 - 19,000 Gallons	18,500						
	19,000 - 20,000 Gallons	19,500						
	- Gallons							
	- Gallons							
	- Gallons							
	Sub-Total		()	()	()	()	()	()
	Average Monthly Rate	()						
	Average Monthly Usage		()			()		

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

	-	Gallons					
	-	Gallons					
1- Inch	-	Gallons					
	-	Gallons					
	-	Gallons					
	-	Gallons					
		Sub-Total		()	()	()	()

	-	Gallons					
	-	Gallons					
1-1/2 Inch	-	Gallons					
	-	Gallons					
	-	Gallons					
	-	Gallons					
		Sub-Total		()	()	()	()

	-	Gallons					
	-	Gallons					
2- Inch	-	Gallons					
	-	Gallons					
	-	Gallons					
	-	Gallons					
		Sub-Total		()	()	()	()

	-	Gallons					
	-	Gallons					
3- Inch	-	Gallons					
	-	Gallons					
	-	Gallons					
	-	Gallons					
		Sub-Total		()	()	()	()

	-	Gallons					
	-	Gallons					
4- Inch	-	Gallons					
	-	Gallons					
	-	Gallons					
	-	Gallons					
		Sub-Total		()	()	()	()

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

	-	Gallons						
	-	Gallons						
5-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()
	-	Gallons						
	-	Gallons						
6-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()
		TOTALS		()	()	()	()	()

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

XXIV. FORECAST OF SEWER USAGE - INCOME - NEW USERS - EXTENSION ONLY

N/A

<i>Meter Size*</i>	<i>Monthly Sewer Usage</i>	<i>Average Rate</i>	<i>Residential</i>			<i>Non-Residential</i>		
			<i>No. of Users**</i>	<i>Usage (1000)</i>	<i>Income</i>	<i>No. of Users</i>	<i>Usage (1000)</i>	<i>Income</i>
	<i>0 - 2,000 Gallons</i>	<i>1,000</i>						
	<i>2,000 - 3,000 Gallons</i>	<i>2,500</i>						
	<i>3,000 - 4,000 Gallons</i>	<i>3,500</i>						
	<i>4,000 - 5,000 Gallons</i>	<i>4,500</i>						
	<i>5,000 - 6,000 Gallons</i>	<i>5,500</i>						
	<i>6,000 - 7,000 Gallons</i>	<i>6,500</i>						
	<i>7,000 - 8,000 Gallons</i>	<i>7,500</i>						
	<i>8,000 - 9,000 Gallons</i>	<i>8,500</i>						
	<i>9,000 - 10,000 Gallons</i>	<i>9,500</i>						
<i>5/8</i>	<i>10,000 - 11,000 Gallons</i>	<i>10,500</i>						
<i>x</i>	<i>11,000 - 12,000 Gallons</i>	<i>11,500</i>						
<i>3/4</i>	<i>12,000 - 13,000 Gallons</i>	<i>12,500</i>						
<i>Inch</i>	<i>13,000 - 14,000 Gallons</i>	<i>13,500</i>						
	<i>14,000 - 15,000 Gallons</i>	<i>14,500</i>						
	<i>15,000 - 16,000 Gallons</i>	<i>15,500</i>						
	<i>16,000 - 17,000 Gallons</i>	<i>16,500</i>						
	<i>17,000 - 18,000 Gallons</i>	<i>17,500</i>						
	<i>18,000 - 19,000 Gallons</i>	<i>18,500</i>						
	<i>19,000 - 20,000 Gallons</i>	<i>19,500</i>						
	<i>- Gallons</i>							
	<i>- Gallons</i>							
	<i>- Gallons</i>							
	<i>Sub-Total</i>		<i>()</i>	<i>()</i>	<i>()</i>	<i>()</i>	<i>()</i>	<i>()</i>
	<i>Average Monthly Rate</i>	<i>()</i>						
	<i>Average Monthly Usage</i>			<i>()</i>			<i>()</i>	

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

	-	Gallons						
	-	Gallons						
1- Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
1-1/2 Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
2- Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
3- Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
4- Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

	-	Gallons						
	-	Gallons						
5-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()
	-	Gallons						
	-	Gallons						
6-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()
		TOTALS		()	()	()	()	()

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

XXV. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS
SEE ATTACHED SHEET FOR SPREADSHEET

Meter Size*	Monthly Sewer Usage	Average Rate	Residential		Non-Residential			
			No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 2,000 Gallons	1,000						
	2,000 - 3,000 Gallons	2,500						
	3,000 - 4,000 Gallons	3,500						
	4,000 - 5,000 Gallons	4,500						
	5,000 - 6,000 Gallons	5,500						
	6,000 - 7,000 Gallons	6,500						
	7,000 - 8,000 Gallons	7,500						
	8,000 - 9,000 Gallons	8,500						
	9,000 - 10,000 Gallons	9,500						
5/8	10,000 - 11,000 Gallons	10,500						
x	11,000 - 12,000 Gallons	11,500						
3/4	12,000 - 13,000 Gallons	12,500						
Inch	13,000 - 14,000 Gallons	13,500						
	14,000 - 15,000 Gallons	14,500						
	15,000 - 16,000 Gallons	15,500						
	16,000 - 17,000 Gallons	16,500						
	17,000 - 18,000 Gallons	17,500						
	18,000 - 19,000 Gallons	18,500						
	19,000 - 20,000 Gallons	19,500						
	- Gallons							
	- Gallons							
	- Gallons							
	Sub-Total		()	()	()	()	()	()
	Average Monthly Rate	()						
	Average Monthly Usage			()			()	

* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

Proposed Rate Schedule(effective in 2014)		
Water Rate	Min. (1500 gal.)@	\$13.00
	Next 6500 gals.@	\$4.90 per 1000
	Next 12000 gals.@	\$4.90 per 1000
	Next 5,000 gals.@	\$4.90 per 1000
	All Over 25,000 gals.@	\$4.90 per 1000
	Wholesale to Brownsville@	\$2.90 per 1000

XII. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM - EXISTING USERS - 12 MONTH PERIOD

For Period Jan. 2016 to Dec. 2016

Meter Size	Monthly Water Usage	Average	Average Rate	No. of Users	Residential		Non-Residential		
					Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 1,500 Gallons	750	\$13.00	4134	3100.5	\$53,742	0	0	0
	1,500 - 2,000 Gallons	1,750	\$14.23	1061	1856.75	\$15,093	5	8.75	71
	2,000 - 3,000 Gallons	2,500	\$17.90	1445	3612.5	\$25,866	7	17.5	125
	3,000 - 4,000 Gallons	3,500	\$22.80	987	3454.5	\$22,504	14	49	319
	4,000 - 5,000 Gallons	4,500	\$27.70	785	3532.5	\$21,745	15	67.5	416
	5,000 - 6,000 Gallons	5,500	\$32.60	502	2761	\$16,365	2	11	65
	6,000 - 7,000 Gallons	6,500	\$37.50	390	2535	\$14,625	0	0	0
	7,000 - 8,000 Gallons	7,500	\$42.40	240	1800	\$10,176	0	0	0
	8,000 - 9,000 Gallons	8,500	\$47.30	162	1377	\$7,663	0	0	0
	9,000 - 10,000 Gallons	9,500	\$52.20	102	969	\$5,324	0	0	0
5/8	10,000 - 11,000 Gallons	10,500	\$57.10	83	871.5	\$4,739	1	10.5	57
x	11,000 - 12,000 Gallons	11,500	\$62.00	60	690	\$3,720	4	46	248
3/4	12,000 - 13,000 Gallons	12,500	\$66.90	42	525	\$2,810	1	12.5	67
Inch	13,000 - 14,000 Gallons	13,500	\$71.80	30	405	\$2,154	1	13.5	72
	14,000 - 15,000 Gallons	14,500	\$76.70	16	232	\$1,227	5	72.5	384
	15,000 - 16,000 Gallons	15,500	\$81.60	17	263.5	\$1,387	1	15.5	82
	16,000 - 17,000 Gallons	16,500	\$86.50	13	214.5	\$1,125	0	0	0
	17,000 - 18,000 Gallons	17,500	\$91.40	12	210	\$1,097	0	0	0
	18,000 - 19,000 Gallons	18,500	\$96.30	10	185	\$963	0	0	0
	19,000 - 20,000 Gallons	19,500	\$101.20	14	273	\$1,417	0	0	0
	20,000 - 25,000 Gallons	22,500	\$115.90	14	315	\$1,623	0	0	0
	25,000 - 30,000 Gallons	27,500	\$140.40	14	385	\$1,966	3	82.5	421
	30,000 - 40,000 Gallons	35,000	\$177.15	13	455	\$2,303	2	70	354
	40,000 - 50,000 Gallons	44,000	\$221.25	5	220	\$1,106	2	88	443
	50,000 - 75,000 Gallons	60,000	\$299.65	6	360	\$1,798	4	240	1,199
	75,000 - 1,000,000 Gallons	275,000	\$1,353.15	0	0	\$0	5	1375	6,766
	Sub-Total			10157	30,603	\$222,535	72	2179.75	11,088
	Average Monthly Rate		\$22.84						
	Average Monthly Usage				3.01			30.27	
4-inch	City of Brownsville	Gallons	2,908,170	\$8,433.69			1	2908.17	8,434
	Sub-Total			10157	30,603	\$222,535	73	5087.92	19,521
	Total monthly Income					\$242,057			
	Total yearly Income					\$2,904,680			
	Total Water Sold			35,691					
	Total customers			10230					

Note: Revenue matches very closely with 2016 Audit. ; see following sheet for projected usage & income w/ existing & new users & proposed rates & anticipated number of users in 2018

	Proposed Rate Schedule (approx. 8% increase)		
Water Rate	Min. (1500 gal.)@	\$14.00	
	Next 6500 gals.@	\$5.30	per 1000
	Next 12000 gals.@	\$5.30	per 1000
	Next 5,000 gals.@	\$5.30	per 1000
	All Over 25,000 gals.@	\$5.30	per 1000
	Wholesale to Brownsville@	\$3.13	per 1000

XII. ANALYSIS OF WATER USAGE/REVENUE: PROJECTED USERS - 12 MONTH PERIOD

For Period _____ Jan. 2018 _____ to _____ Dec. 2018 _____

Meter Size	Monthly Water Usage	Average	Average Rate	Residential		Non-Residential				
				No. of Users	Usage (1000)	Income	No. of Users	Usage (1000)	Income	
	0 - 1,500 Gallons	750	\$14.00	4134	3100.5	\$57,876	0	0	\$0	
	1,500 - 2,000 Gallons	1,750	\$15.33	1061	1856.75	\$16,260	5	8.75	\$77	
	2,000 - 3,000 Gallons	2,500	\$19.30	1465	3662.5	\$28,275	7	17.5	\$135	
	3,000 - 4,000 Gallons	3,500	\$24.60	1112	3892	\$27,355	14	49	\$344	
	4,000 - 5,000 Gallons	4,500	\$29.90	835	3757.5	\$24,967	15	67.5	\$449	
	5,000 - 6,000 Gallons	5,500	\$35.20	502	2761	\$17,670	2	11	\$70	
	6,000 - 7,000 Gallons	6,500	\$40.50	390	2535	\$15,795	0	0	\$0	
	7,000 - 8,000 Gallons	7,500	\$45.80	240	1800	\$10,992	0	0	\$0	
	8,000 - 9,000 Gallons	8,500	\$51.10	162	1377	\$8,278	0	0	\$0	
	9,000 - 10,000 Gallons	9,500	\$56.40	102	969	\$5,753	0	0	\$0	
5/8	10,000 - 11,000 Gallons	10,500	\$61.70	83	871.5	\$5,121	1	10.5	\$62	
x	11,000 - 12,000 Gallons	11,500	\$67.00	60	690	\$4,020	4	46	\$268	
3/4	12,000 - 13,000 Gallons	12,500	\$72.30	42	525	\$3,037	1	12.5	\$72	
Inch	13,000 - 14,000 Gallons	13,500	\$77.60	30	405	\$2,328	1	13.5	\$78	
	14,000 - 15,000 Gallons	14,500	\$82.90	16	232	\$1,326	5	72.5	\$415	
	15,000 - 16,000 Gallons	15,500	\$88.20	17	263.5	\$1,499	1	15.5	\$88	
	16,000 - 17,000 Gallons	16,500	\$93.50	13	214.5	\$1,216	0	0	\$0	
	17,000 - 18,000 Gallons	17,500	\$98.80	12	210	\$1,186	0	0	\$0	
	18,000 - 19,000 Gallons	18,500	\$104.10	10	185	\$1,041	0	0	\$0	
	19,000 - 20,000 Gallons	19,500	\$109.40	14	273	\$1,532	0	0	\$0	
	20,000 - 25,000 Gallons	22,500	\$125.30	14	315	\$1,754	0	0	\$0	
	25,000 - 30,000 Gallons	27,500	\$151.80	14	385	\$2,125	3	82.5	\$455	
	30,000 - 40,000 Gallons	35,000	\$191.55	13	455	\$2,490	2	70	\$383	
	40,000 - 50,000 Gallons	44,000	\$239.25	5	220	\$1,196	2	88	\$479	
	50,000 - 75,000 Gallons	60,000	\$324.05	6	360	\$1,944	4	240	\$1,296	
	75,000 - 1,000,000 Gallons	275,000	\$1,463.55	0	0	\$0	5	1375	\$7,318	
	Sub-Total			10352	31,316	\$245,036	72	2179.8	\$11,988	
	Average Monthly Rate		\$24.66							
	Average Monthly Usage				3.03			30.27		
4-inch	City of Brownsville	Gallons	2,908,170	\$9,102.57			1	2908.2	\$9,103	
	Sub-Total				10352	31,316	\$245,036	73	5087.9	\$21,091
	Total monthly Income					\$266,127				
	Total yearly Income					\$3,193,519				
	Total Water Sold				36,404					
	Total customers				10425					

Note: Sept 2017 customer count (plus 25) & approx. 8% avg rate increase => approx. \$288,800 additional income over 2016 income which is a 9.9% increase in income due to rate and customer count increases. 8% rate increase => approx. \$233,000 of this increase in revenue.

	-	Gallons						
	-	Gallons						
1-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
1-1/2	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
2-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
3-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
4-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

	-	Gallons						
	-	Gallons						
5-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()
	-	Gallons						
	-	Gallons						
6-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()
		TOTALS		()	()	()	()	()

MULTI-FAMILY AND APARTMENT USER ANALYSIS N/A

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

XXVI. FORECAST OF WATER USAGE - INCOME - NEW USERS - EXTENSION ONLY

Meter Size*	Monthly Sewer Usage	Average Rate	Residential			Non-Residential		
			No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 2,000 Gallons	1,000						
	2,000 - 3,000 Gallons	2,500						
	3,000 - 4,000 Gallons	3,500	24.60	25	87.5	615		
	4,000 - 5,000 Gallons	4,500						
	5,000 - 6,000 Gallons	5,500						
	6,000 - 7,000 Gallons	6,500						
	7,000 - 8,000 Gallons	7,500						
	8,000 - 9,000 Gallons	8,500						
	9,000 - 10,000 Gallons	9,500						
5/8	10,000 - 11,000 Gallons	10,500						
x	11,000 - 12,000 Gallons	11,500						
3/4	12,000 - 13,000 Gallons	12,500						
Inch	13,000 - 14,000 Gallons	13,500						
	14,000 - 15,000 Gallons	14,500						
	15,000 - 16,000 Gallons	15,500						
	16,000 - 17,000 Gallons	16,500						
	17,000 - 18,000 Gallons	17,500						
	18,000 - 19,000 Gallons	18,500						
	19,000 - 20,000 Gallons	19,500						
	- Gallons							
	- Gallons							
	- Gallons							
	Sub-Total		(25)	(87.5)	(615)	()	()	()
	Average Monthly Rate	(24.60)						
	Average Monthly Usage				(3500)			()

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

see next sheet

Proposed Rate Schedule

Water Rate	Min. (1500 gal.)@	\$14.00
	Next 6500 gals.@	\$5.30 per 1000
	Next 12000 gals.@	\$5.30 per 1000
	Next 5,000 gals.@	\$5.30 per 1000
	All Over 25,000 gals.@	\$5.30 per 1000
	Wholesale to Brownsville@	\$3.13 per 1000

XXV. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS(2008)

Meter Size	Monthly Water Usage	Average	Average Rate	No. of Users	Residential		Non-Residential			
					Usage (1000)	Income	No. of Users	Usage (1000)	Income	
	0 -	1,500 Gallons	750	\$14.00	0	0	\$0.00	0	0	\$0.00
	1,500 -	2,000 Gallons	1,750	\$15.33	0	0	\$0.00	0	0	\$0.00
	2,000 -	3,000 Gallons	2,500	\$19.30	0	0	\$0.00	0	0	\$0.00
	3,000 -	4,000 Gallons	3,500	\$24.60	25	87.5	\$615.00	0	0	\$0.00
	4,000 -	5,000 Gallons	4,500	\$29.90	0	0	\$0.00	0	0	\$0.00
	5,000 -	6,000 Gallons	5,500	\$35.20	0	0	\$0.00	0	0	\$0.00
	6,000 -	7,000 Gallons	6,500	\$40.50	0	0	\$0.00	0	0	\$0.00
	7,000 -	8,000 Gallons	7,500	\$45.80	0	0	\$0.00	0	0	\$0.00
	8,000 -	9,000 Gallons	8,500	\$51.10	0	0	\$0.00	0	0	\$0.00
	9,000 -	10,000 Gallons	9,500	\$56.40	0	0	\$0.00	0	0	\$0.00
5/8	10,000 -	11,000 Gallons	10,500	\$61.70	0	0	\$0.00	0	0	\$0.00
x	11,000 -	12,000 Gallons	11,500	\$67.00	0	0	\$0.00	0	0	\$0.00
3/4	12,000 -	13,000 Gallons	12,500	\$72.30	0	0	\$0.00	0	0	\$0.00
Inch	13,000 -	14,000 Gallons	13,500	\$77.60	0	0	\$0.00	0	0	\$0.00
	14,000 -	15,000 Gallons	14,500	\$82.90	0	0	\$0.00	0	0	\$0.00
	15,000 -	16,000 Gallons	15,500	\$88.20	0	0	\$0.00	0	0	\$0.00
	16,000 -	17,000 Gallons	16,500	\$93.50	0	0	\$0.00	0	0	\$0.00
	17,000 -	18,000 Gallons	17,500	\$98.80	0	0	\$0.00	0	0	\$0.00
	18,000 -	19,000 Gallons	18,500	\$104.10	0	0	\$0.00	0	0	\$0.00
	19,000 -	20,000 Gallons	19,500	\$109.40	0	0	\$0.00	0	0	\$0.00
	20,000 -	25,000 Gallons	22,500	\$125.30	0	0	\$0.00	0	0	\$0.00
	25,000 -	30,000 Gallons	27,500	\$151.80	0	0	\$0.00	0	0	\$0.00
	30,000 -	40,000 Gallons	35,000	\$191.55	0	0	\$0.00	0	0	\$0.00
	40,000 -	50,000 Gallons	44,000	\$239.25	0	0	\$0.00	0	0	\$0.00
	50,000 -	75,000 Gallons	60,000	\$324.05	0	0	\$0.00	0	0	\$0.00
	75,000 -	1,000,000 Gallons	275,000	\$1,463.55	0	0	\$0.00	0	0	\$0.00
		Sub-Total			25	88	\$615.00	0	0	\$0.00
		Average Monthly Rate		\$24.60						
		Average Monthly Usage				3.50			#DIV/0!	
4-inch	City of Brownsville	Gallons	2,908,170	\$9,102.57				0	0	\$0.00
		Sub-Total			25	88	\$615.00	0	0	\$0.00
		Total monthly Income					\$615.00			
		Total yearly Income					\$7,380.00			
		Total customers			25					

	-	Gallons						
	-	Gallons						
1-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
1-1/2	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
2-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
3-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

	-	Gallons						
	-	Gallons						
4-	-	Gallons						
Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total		()	()	()	()	()

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
5-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
		Sub-Total		() () ()	() () ()	() () ()	() () ()	() () ()
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
6-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
		Sub-Total		() () ()	() () ()	() () ()	() () ()	() () ()
		TOTALS		() () ()	() () ()	() () ()	() () ()	() () ()

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

** Number of users should reflect the actual number of "meter settings".

XXVII. CURRENT OPERATING BUDGET - (SEWER SYSTEM) N/A
(As of the last full operating year.)

A. Operating Income:

<i>Sewer Revenue</i>	\$ _____
<i>Late Charge Fees</i>	_____
<i>Other (Describe)</i>	_____
<i>Less Allowances and Deductions</i>	(_____)
<i>Total Operating Income</i>	\$ _____

B. Operation and Maintenance Expenses:
*(Based on Uniform System of Accounts prescribed by National Association of
Regulatory Utility Commissioners)*

<i>Operation Expense</i>	\$ _____
<i>Maintenance Expense</i>	_____
<i>Customer Accounts Expense</i>	_____
<i>Administrative and General Expense</i>	_____
<i>Total Operating and Maintenance Expenses</i>	\$ _____
<i>Net Operating Income</i>	\$ _____

C. Non-Operating Income:

<i>Interest on Deposits</i>	\$ _____
<i>Other (Identify)</i>	_____
<i>Total Non-Operating Income</i>	\$ _____

D. Net Income **\$ _____**

E. Debt Repayment:

<i>RUS Interest</i>	\$ _____
<i>RUS Principal</i>	_____
<i>Non-RUS Interest</i>	_____
<i>Non-RUS Principal</i>	_____
<i>Total Debt Repayment</i>	\$ _____

F. Balance Available for Coverage **\$ _____**

XXVIII. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - EXISTING SYSTEM
AND NEW USERS (1st Full Year of Operation) Year Ending _____

N/A

A. Operating Income:

<i>Sewer Revenue</i>	\$ _____
<i>Late Charge Fees</i>	_____
<i>Other (Describe)</i>	_____
<i>Less Allowances and Deductions</i>	(_____)
<i>Total Operating Income</i>	\$ _____

B. Operation and Maintenance Expenses:

(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)

<i>Operation Expense</i>	\$ _____
<i>Maintenance Expense</i>	_____
<i>Customer Accounts Expense</i>	_____
<i>Administrative and General Expense</i>	_____
<i>Total Operating and Maintenance Expenses</i>	\$ _____
<i>Net Operating Income</i>	\$ _____

C. Non-Operating Income:

<i>Interest on Deposits</i>	\$ _____
<i>Other (Identify)</i>	_____
<i>Total Non-Operating Income</i>	\$ _____

D. Net Income

\$ _____

E. Debt Repayment:

<i>RUS Interest</i>	\$ _____
<i>RUS Principal</i>	_____
<i>Non-RUS Interest</i>	_____
<i>Non-RUS Principal</i>	_____
<i>Total Debt Repayment</i>	\$ _____

F. Balance Available for Coverage

\$ _____

XXIX. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - NEW USERS - N/A
EXTENSION ONLY (1st Full Year of Operation) Year Ending _____

A. Operating Income:

Sewer Revenue \$ _____
Late Charge Fees _____
Other (Describe) _____
Less Allowances and Deductions (_____)
Total Operating Income \$ _____

B. Operation and Maintenance Expenses:

*(Based on Uniform System of Accounts prescribed by National Association of
Regulatory Utility Commissioners)*

Operation Expense \$ _____
Maintenance Expense _____
Customer Accounts Expense _____
Administrative and General Expense _____
Total Operating and Maintenance Expenses \$ _____
Net Operating Income \$ _____

C. Non-Operating Income:

Interest on Deposits \$ _____
Other (Identify) _____
Total Non-Operating Income \$ _____

D. Net Income \$ _____

E. Debt Repayment:

RUS Interest \$ _____
RUS Principal _____
Non-RUS Interest _____
Non-RUS Principal _____
Total Debt Repayment \$ _____

F. Balance Available for Coverage \$ _____

XXX. CURRENT OPERATING BUDGET - (WATER SYSTEM)

(As of the last full operating year.) Based on 2016 Audit Report

A. Operating Income:

Water Sales	\$ <u>2,904,500</u>
Disconnect/Reconnect/Late Charge Fees	<u>60,000</u>
Other (Describe)-Service Fees	<u>44,500</u>
Less Allowances and Deductions - Taxes	(<u>82,000</u>)
Total Operating Income	\$ <u>2,927,000</u>

B. Operation and Maintenance Expenses:

(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)

Source of Supply Expense	\$ <u>2,000</u>
Pumping Expense	<u> </u>
Water Treatment Expense	<u>657,100</u>
Transmission and Distribution Expense	<u>523,900</u>
Customer Accounts Expense	<u>293,400</u>
Administrative and General Expense	<u>391,300</u>
Total Operating Expenses	\$ <u>1,865,700</u>
Net Operating Income	\$ <u>1,061,300</u>

C. Non-Operating Income:

Interest on Deposits	\$ <u>40,300</u>
Other (Identify) – Non-utility income	<u>37,300</u>
Total Non-Operating Income	\$ <u>77,600</u>

D. Net Income \$ 1,138,900

E. Debt Repayment:

RUS Interest	\$ <u>292,000</u>
RUS Principal	<u>172,000</u>
Non-RUS Interest	<u>171,000</u>
Non-RUS Principal	<u>275,000</u>
Total Debt Repayment	\$ <u>910,000</u>

F. Balance Available for Coverage \$ 228,900

XXXI. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - EXISTING SYSTEM AND NEW USERS (1st Full Year of Operation) Year Ending 2019

A. Operating Income: *(Proposed rates with grants)*

Water Sales	\$	<u>3,193,500</u>
Disconnect/Reconnect/Late Charge Fees		<u>60,000</u>
Other (Describe) – Installation Fees		<u>40,000</u>
Less Allowances and Deductions - Taxes	(<u>82,000</u>)
Total Operating Income	\$	<u>3,211,500</u>

B. Operation and Maintenance Expenses:

(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)

Source of Supply Expense	\$	<u>2,000</u>
Short Term Assets and Capital Improvements Expenses	\$	<u>120,000</u>
Water Treatment Expense		<u>707,625</u>
Transmission and Distribution Expense		<u>564,200</u>
Customer Accounts Expense		<u>315,960</u>
Administrative and General Expense		<u>421,400</u>
Total Operating Expenses	\$	<u>2,129,185</u>
Net Operating Income	\$	<u>1,082,315</u>

C. Non-Operating Income:

Interest on Deposits	\$	<u>40,000</u>
Other (Identify) – Non-utility income	\$	<u>20,000</u>
Total Non-Operating Income	\$	<u>60,000</u>

D. Net Income \$ 1,142,315

E. Debt Repayment: *(Note: includes RUS payment on assumed loan for proposed*

<i>project)</i>	<u>No Grants</u>	<u>W/Grants</u>
RUS Interest	\$ <u>325,000</u>	\$ <u>304,720</u>
RUS Principal	\$ <u>203,600</u>	\$ <u>193,920</u>
Non-RUS Interest	\$ <u>151,120</u>	\$ <u>151,120</u>
Non-RUS Principal	\$ <u>295,125</u>	\$ <u>295,125</u>
Total Debt Repayment	\$ <u>974,845</u>	\$ <u>944,885</u>

F. Balance Available for Coverage \$ 167,470 \$ 197,430

XXXII. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - NEW USERS -
EXTENSION ONLY (1st Full Year of Operation) Year Ending 2019

A. Operating Income:

Water Sales	\$ <u>7,380</u>
Disconnect/Reconnect/Late Charge Fees	_____
Other (Describe)	_____
Less Allowances and Deductions	(_____)
Total Operating Income	\$ <u>7,380</u>

B. Operation and Maintenance Expenses:

(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)

Source of Supply Expense	\$ _____
Pumping Expense	_____
Water Treatment Expense	<u>1,700</u>
Transmission and Distribution Expense	<u>1,350</u>
Customer Accounts Expense	<u>750</u>
Administrative and General Expense	<u>1,000</u>
Total Operating Expenses	\$ <u>4,800</u>
Net Operating Income	\$ <u>2,580</u>

C. Non-Operating Income:

Interest on Deposits	\$ _____
Other (Identify)	_____
Total Non-Operating Income	\$ _____

D. Net Income \$ 2,580

E. Debt Repayment:

	<u>No Grants</u>	<u>W/ Grants</u>
RUS Interest	\$ <u>45,080</u>	\$ <u>24,800</u>
RUS Principal	\$ <u>19,680</u>	\$ <u>10,000</u>
Non-RUS Interest	\$ _____	\$ _____
Non-RUS Principal	\$ _____	\$ _____
Total Debt Repayment	\$ <u>64,760</u>	\$ <u>34,800</u>

F. Balance Available for Coverage \$ (-62,180) \$ (-32,220)

XXXIII. ESTIMATED PROJECT COST – SEWER N/A
(Round to nearest \$100)

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Development</i>	_____	_____	_____
<i>Land and Rights</i>	_____	_____	_____
<i>Legal</i>	_____	_____	_____
<i>Engineering</i>	_____	_____	_____
<i>Interest</i>	_____	_____	_____
<i>Contingencies</i>	_____	_____	_____
<i>Initial Operating and Maintenance</i>	_____	_____	_____
<i>Other</i>	_____	_____	_____
TOTAL	_____	_____	_____

XXXIV. PROPOSED PROJECT FUNDING – SEWER N/A

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Applicant - User Contribution Fees</i>	_____	_____	_____
<i>Other - Applicant Contribution</i>	_____	_____	_____
<i>RUS Loan</i>	_____	_____	_____
<i>RUS Grant</i>	_____	_____	_____
<i>ARC Grant (If applicable)</i>	_____	_____	_____
<i>CDBG (If applicable)</i>	_____	_____	_____
<i>Other (Specify)</i>	_____	_____	_____
<i>Other (Specify)</i>	_____	_____	_____

XXXV. ESTIMATED PROJECT COST - WATER

Development	\$ <u>986,250</u>
Land and Rights	<u>6,000</u>
Legal and Administrative	<u>16,500</u>
Engineering	<u>165,000</u>
Interest	<u>10,000</u>
Contingencies	<u>98,750</u>
Initial Operating and Maintenance	<u> </u>
Other –Environmental Surveys (if required)	<u>7,500</u>
TOTAL	\$ <u>1,290,000</u>

XXXVI. PROPOSED PROJECT FUNDING

Applicant - User Connection Fees	\$ <u> </u>
Other Applicant Contribution	<u> </u>
RUS Loan	<u>709,500</u>
RUS Grant	<u>387,000</u>
ARC Grant (If applicable)	<u>193,500</u>
CDBG (If applicable)	<u> </u>
Other (Specify) KIA (KY State Legislature)	<u> </u>
Other (Specify)	<u> </u>
TOTAL	\$ <u>1,290,000</u>

APPENDIX 6

Annual Leakage Report

21300 Edmonson County Water District 01/01/2016 - 12/31/2016

Water Statistics (Ref Page: 30)

	Galons (multiplied by 1000's)	Percent
1. Water Produced, Purchased and Distributed		
2. Water Produced	567,505	
3. Water Purchased		
4. Total Produced and Purchased	567,505	
5. Water Sales:		
7. Residential	378,460	
8. Commercial		
9. Industrial		
10. Bulk Loading Stations		
11. Resale	94,998	
12. Other Sales		
13. Total Water Sales	413,358	
15. Other Water Used		
16. Utility/Water Treatment plant	15,220	
17. Wastewater plant		
18. System flushing	6,896	
19. Fire department	58	
20. Other	3,150	
21. Total Other Water Used	25,289	
23. Water Loss:		
24. Tank Overflows	468	
25. Line Breaks		
26. Line Leaks	128,123	
27. Other	267	
28. Total Line Loss	128,858	
29. Line 28 + Line 21 + Line 28 must equal Line 4		
32. Water Loss Percentage for 2016		
33. Line 28 divided by Line 4		

22,706.1
22.7061%

21300 Edmonson County Water District 01/01/2016 - 12/31/2016

Pumping and Water Statistics - part one (Ref Page: 29)

	Water Purchased For Resale (Om 000 \$) (b)	Water Pumped from Wells (Om 000 \$) (c)	Total Water Pumped and Purchased (Om) (d)	Water Sold To Customers (Om 000 \$) (e)
January	0	48,090	48,090	32,020
February	0	39,976	39,976	32,173
March	0	40,077	40,077	28,679
April	0	40,995	40,995	32,183
May	0	48,095	48,095	30,591
June	0	53,672	53,672	37,682
July	0	52,438	52,438	43,456
August	0	50,126	50,126	35,843
September	0	51,731	51,731	41,926
October	0	50,087	50,087	31,677
November	0	45,087	45,087	33,990
December	0	47,865	47,865	38,138
Total for the year	0	567,505	567,505	413,358

21300 Edmorson County Water District 01/01/2016 - 12/31/2016

Pumping and Water Statistics - part two (Ref Page: 29)

Maximum Gallons pumped by all methods in any one day (Omit 000 s)	Gallons	Date
2,449		9/16/2016
Minimum Gallons pumped by all methods in any one day (Omit 000 s)	605	10/6/2016

Bville WTP PSC Information**2016**

#4	34.898 MG	total gals to city (bville plt only)
#5		Total gal pmpd and sld each mth
	Pmpd	Sld
Jan	31.836	21.161
Feb	25.517	20.979
Mar	25.514	18.863
Apr	24.214	20.480
May	30.550	19.138
Jun	34.840	22.776
Jul	32.216	27.219
Aug	31.276	21.203
Sept	33.837	26.021
Oct	32.567	19.942
Nov	28.612	21.130
Dec	32.313	20.994
#6	1.595 MG Sept 16, 2016	max gals per day in yr/ date
#7	0.300 MG Oct 6, 2016	min. gals per day in yr / date
#8	5.989 MG	Plant use for yr.
	0.288 MG	Over flow gals. For yr

Wax WTP PSC Information**2016**

#5		Total gal pmpd and sld each mth
	Pmpd	Sld
Jan	16.254	10.859
Feb	14.459	11.194
Mar	14.563	9.816
Apr	16.123	11.703
May	17.545	11.453
Jun	18.834	14.906
Jul	20.222	16.237
Aug	18.850	14.640
Sept	17.894	15.905
Oct	17.442	11.735
Nov	16.475	12.860
Dec	15.552	12.144
#6	0.8546 MG July 3rd, 2016	max gals per day in yr/ date
#7	0.305 MG May 4, 2016	min. gals per day in yr / date
#8	9.231 MG	Plant use for yr.
	0.045 MG	Over flow gals. For yr

Edmonson County Water District
2016 Total Gallons Pumped

	Brownsville	Wax	Total
Jan	31.836	16.254	48.090
Feb	25.517	14.459	39.976
Mar	25.514	14.563	40.077
Apr	24.214	16.123	40.337
May	30.550	17.545	48.095
Jun	34.840	18.834	53.674
July	32.216	20.222	52.438
Aug	31.276	18.850	50.126
Sept	33.837	17.894	51.731
Oct	32.567	17.442	50.009
Nov	28.612	16.475	45.087
Dec	32.313	15.552	47.865
Totals:	363.292	204.213	567.505
			567.505

2016 Total Gallons Sold

	Brownsville	Wax	Total
Jan	21.161	10.859	32.020
Feb	20.979	11.194	32.173
Mar	18.863	9.816	28.679
Apr	20.480	11.703	32.183
May	19.138	11.453	30.591
Jun	22.776	14.906	37.682
July	27.219	16.237	43.456
Aug	21.203	14.640	35.843
Sept	26.021	15.905	41.926
Oct	19.942	11.735	31.677
Nov	21.130	12.860	33.990
Dec	20.994	12.144	33.138
Totals:	259.906	153.452	413.358
			413.358

21300 Edmonson County Water District 01/01/2016 - 12/31/2016

Sales For Resale (466) (Ref Page: 30)

Company	Gallons (omit 000's)	Avg. Rate Per 1000 Gallons (cents)	Amount
City of Brownsville	34,898	\$2.90	\$101,204.00
Total	34,898		\$101,204.00

Sold to City: 34,898,000 ÷ 365 days ⇒ 95,611 gpd average

Total Sold: 413,358,000 ÷ 365 days ⇒ 1,132,488

% of total to city ⇒ 8.44 %

21300 Edmonson County Water District 01/01/2016 - 12/31/2016

Plant Statistics (Ref Page: 31)

Give the following information

Number of fire hydrants, by size

56@6", 19@4", 16@5 1/4", 3@4 1/2", 2@2 1/2", and 19@2 1/4"

Number of private fire hydrants, by size

24@6" and 24"

If produced whether water supply is river, impounded streams, well, springs, artificial lake, or collector well

Green River and Nolin Lake

If produced whether supply is by gravity, pumping or a combination

Pumping

Type, capacity, and elevation of reservoirs at overflow and ground level

ELEV 50,000 OFE 910' GLE 781'; ELEV 50,000 OFE 910' GLE 788.5'; GROUND 500,000 OFE 745' GLE 713'; GROUND 1,000,000 OFE 745' GLE 713'; ELEV 100,000 OFE 850' GLE 753'; ELEV 150,000 OFE 745' GLE 607'; STANDPIPE 200,000 OFE 993' GLE 870'; ELEV 100,000 OFE 910' GLE 758.5'; GROUND 100,000 OFE 910' GLE 880'; GROUND 125,000 OFE 918' GLE 860'; ELEV 50,000 OFE 830' GLE 740'; GROUND 120,000 OFE 868'; GLE 812'; STANDPIPE 150,000 OFE 1082' GLE 989'; GROUND 400,000 OFE 868.4' GLE 844'; ELEV 300,000 OFE 780' GLE 603'; ELEV 200,000 OFE 993' GLE 911.5'; ELEV 250,000 OFE 910' GLE 751.5'; ELEV 250,000 OFE 930' GLE 776.5'; ELEV 100,000 OFE 1020' GLE 876.5'

Miles of main by size and kind

2.19 MILES OF 6" 854 MILES OF 12" 7 MILES OF 10" 12 148 MILES OF 8" 17993 MILES OF 6" 385.41 MILES OF 4" 741 MILES OF 5" 1 AND 15.18 MILES OF 2"

Types of filters: gravity or pressure, number of units and total rated in capacity in gal. per min.

2 GRAVITY @ 5GPM AND 5 GRAVITY @ 450GPM

Type of disinfectant, number of units and capacity in pounds per 24 hours

W&T GAS VACUUM X2 @ PREVIOUS DAY POST 3000 LBS DAY & W&T VANOTOF X13 @ 200 LBS DAY

Station Equipment. List each pump, giving type and capacity, HP of driving unit and character of driving unit (steam/electric/int. combustion) also whether pump is high/low duty

1 BACKWASH/SPLITCASE HORIZONTAL @ 1,950GPM, 15HP, ELECTRIC LOW DUTY; 2 RAW WATER SUBMERSIBLE @ 500GPM, 30HP, ELECTRIC LOW DUTY; 2 HIGH SERVICE/4 STF VERTICAL @ 700HP, ELECTRIC HIGH DUTY; 2 HIGH SERVICE VERTICAL TURBINE @ 2,100GPM, 250HP, ELECTRIC HIGH DUTY AND 2 RAW WATER VERTICAL TURBINE @ 2,000GPM, 75HP, ELECTRIC LOW DUTY

Quantity of fuel used: coal in lbs., gas in cu ft., oil in gals. and electric in kWh

ELECTRIC 2,034,097

Give description and total cost of any sizable additions or retirements to plant and service outside the normal system of growth for the period covered by this report

N/A

Capacity of clear well

BROWNSVILLE 588,747 GALLONS, WAX 700,000 GALLONS & WAX 175,000 GALLONS

Peak month, in gallons of water sold

JULY 43,456,000

Peak day, in gallons of water sold

SEPTEMBER 16, 2016 2,456,000

EXHIBIT 4



GRW | engineering | architecture | geospatial
 404 BNA Drive | Suite 201 | Nashville, TN 37217
 615.366.1600 | www.grwinc.com

FINAL ENGINEERING REPORT
2017 EDMONSON/HART WATER LINE PROJECT
EDMONSON COUNTY WATER DISTRICT
September 2019

Total Construction - Bids Received 9/24/2019:		\$780,278.50
Bid from Cumberland Pipeline, LLC recommended for award		
Land & Rights:		\$6,000.00
Environmental Studies		\$7,000.00
Legal & Administrative:		\$17,500.00
Advertising, etc.:	\$2,500	
Bond Counsel:	\$10,000	
Local Counsel:	\$5,000	
Engineering:		\$174,860.00
Preliminary Engineering:	\$5,000	
Easement/Property Owners Identification:	\$2,500	
PSC Related:	\$4,000	
Hydraulic Analysis Update:	\$10,000	
Design:	\$87,500	
Inspection:	\$56,000	
AIS Compliance Requirements	\$9,860	
Interest During Construction:		\$25,000.00
Additional Work as Described in PER		\$220,000.00
Project Contingencies:		<u>\$59,361.50</u>
TOTAL PROJECT COSTS		\$1,290,000.00

Financing:		
RUS August 8, 2018 Letter of Conditions		\$1,290,000
RUS Loan:	\$1,032,000	
RUS Grant:	\$258,000	



EXHIBIT 5



CERTIFIED BID TABULATION
 EDMONSON COUNTY WATER DISTRICT - PROJECT NO. 3621-08
 2017 EDMONSON/HART WATER LINE PROJECT
 BID OPENING DATE: SEPTEMBER 24, 2019

Item No.	Approx. Quantity	Description	Cumberland Pipeline, LLC 4129 Highway 379 Russell Springs, KY 42642		United Pipeline, Inc. 150 Hill Road Tompkinsville, KY 42167		Cleary Construction, Inc. 2006 Edmonton Road Tompkinsville, KY 42167	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	6,800	L.F. 4-inch PVC pipe SDR 21, including fittings, thrust blocking, complete and in place as shown on the drawings (Pay Items 9 and 10 are in addition to this where applicable)	\$13.62	\$92,616.00	\$10.00	\$68,000.00	\$16.70	\$113,560.00
2	1,200	L.F. 4-inch PVC pipe SDR 21, w/granular backfill including fittings, thrust blocking, complete and in place as shown on the drawings	\$15.50	\$18,600.00	\$12.00	\$14,400.00	\$21.40	\$25,680.00
3	400	L.F. 4-inch PVC pipe SDR 17, including fittings, thrust blocking, complete and in place as shown on the drawings (Pay Items 9 and 10 are in addition to this where applicable)	\$16.00	\$6,400.00	\$10.00	\$4,000.00	\$19.20	\$7,680.00
4	50	L.F. 4-inch PVC pipe SDR 17, w/granular backfill including fittings, thrust blocking, complete and in place as shown on the drawings	\$17.91	\$895.50	\$13.00	\$650.00	\$23.90	\$1,195.00
5	9,620	L.F. 3-inch PVC pipe SDR 21, including fittings, thrust blocking, complete and in place as shown on the drawings (Pay Items 9 and 10 are in addition to this where applicable)	\$13.05	\$125,541.00	\$9.00	\$86,580.00	\$16.10	\$154,882.00
6	740	L.F. 3-inch PVC pipe SDR 21, w/granular backfill including fittings, thrust blocking, complete and in place as shown on the drawings	\$15.00	\$11,100.00	\$11.00	\$8,140.00	\$20.90	\$15,466.00
7	1,540	L.F. 3-inch PVC pipe SDR 17, including fittings, thrust blocking, complete and in place as shown on the drawings (Pay Items 9 and 10 are in addition to this where applicable)	\$13.30	\$20,482.00	\$10.00	\$15,400.00	\$16.40	\$25,256.00
8	200	L.F. 3-inch PVC pipe SDR 17, w/granular backfill including fittings, thrust blocking, complete and in place as shown on the drawings	\$15.13	\$3,026.00	\$12.00	\$2,400.00	\$21.10	\$4,220.00
9	18,360	L.F. Allowance price for initial cleanup, seeding, strawing, etc., for Bid Item Nos. 1, 3, 5, and 7	\$0.50	\$9,180.00	\$0.50	\$9,180.00	\$0.50	\$9,180.00
10	18,360	L.F. Allowance price for final cleanup, seeding, strawing, etc., to be released after final establishment of acceptable grass cover	\$0.50	\$9,180.00	\$0.50	\$9,180.00	\$0.50	\$9,180.00
11	20,840	L.F. No. 12 copper locator wire, complete in place as shown on the drawings	\$0.25	\$5,210.00	\$1.00	\$20,840.00	\$0.30	\$6,252.00
12	120	L.F. Directional bore w/4-inch HDPE SDR 9 carrier pipe, complete and in place as shown on the drawings	\$110.00	\$13,200.00	\$123.00	\$14,760.00	\$111.00	\$13,320.00
13	75	L.F. Bore & Jack under state hwy & county roads w/10 inch dia. Steel casing pipe (0.375"thk.) w/4-inch PVC carrier pipe, complete and in place as shown on the drawings	\$150.00	\$11,250.00	\$236.00	\$17,700.00	\$169.00	\$12,675.00
14	65	LF Bore & Jack under state hwy. & county roads w/10 inch dia. Steel casing pipe (0.375"thk.) w/4-inch RJDIP carrier pipe, complete and in place as shown on the drawings	\$170.00	\$11,050.00	\$275.00	\$17,875.00	\$188.00	\$12,220.00
15	30	L.F. Bore & Jack under state hwy. & county roads w/8 inch dia. Steel casing pipe (0.375"thk.) w/3-inch PVC carrier pipe, complete and in place as shown on the drawings	\$155.00	\$4,650.00	\$230.00	\$6,900.00	\$173.00	\$5,190.00
16	1	EA Connection to existing 6-inch water line w/6" x 3" tapping sleeve and valve, and all associated work	\$2,174.00	\$2,174.00	\$2,184.00	\$2,184.00	\$3,199.00	\$3,199.00
17	1	EA Connection to existing 4-inch water line w/4" x 4" tapping sleeve and valve, and all associated work including 2" master meter assembly (Priceville Rd.)	\$15,000.00	\$15,000.00	\$14,926.00	\$14,926.00	\$17,378.00	\$17,378.00
18	2	EA Connection to existing 4-inch water line w/4" x 3" tapping sleeve and valve, and all associated work	\$2,000.00	\$4,000.00	\$2,027.00	\$4,054.00	\$2,986.00	\$5,972.00
19	1	EA Connection to existing 3-inch water line w/3" x 3" tapping sleeve and valve, and all associated work	\$2,450.00	\$2,450.00	\$2,111.00	\$2,111.00	\$3,199.00	\$3,199.00
20	1	EA Connection to existing 6-inch water line w/tee and cutting-in-sleeve and all associated work (valves are separate payment)	\$1,300.00	\$1,300.00	\$1,760.00	\$1,760.00	\$2,133.00	\$2,133.00
21	4	EA Connection to existing 4-inch Water Line w/tee and cutting-in-sleeve and all associated work (valves are separate payment)	\$1,555.00	\$6,220.00	\$1,409.00	\$5,636.00	\$1,706.00	\$6,824.00
22	2	EA 6" gate valve assembly complete in place including all associated work	\$1,283.00	\$2,566.00	\$1,593.00	\$3,186.00	\$1,600.00	\$3,200.00
23	12	EA 4" gate valve assembly complete in place including all associated work	\$1,135.00	\$13,620.00	\$1,326.00	\$15,912.00	\$1,280.00	\$15,360.00
24	4	EA Blowoff assembly complete in place including piping, fittings, valve, kickers and associated work	\$4,630.00	\$18,520.00	\$1,972.00	\$7,888.00	\$4,798.00	\$19,192.00
25	2	EA Post hydrant assembly installed on new 4" water line complete in place including piping, fittings, valve, kickers and associated work	\$5,650.00	\$11,300.00	\$4,072.00	\$8,144.00	\$5,864.00	\$11,728.00
26	4	EA 1-inch air release valve assembly	\$1,440.00	\$5,760.00	\$2,253.00	\$9,012.00	\$1,600.00	\$6,400.00
27	4	EA Leak detection meter assembly installed on existing piping at water tanks complete in place including all associated work (meter furnished by Owner)	\$4,402.00	\$17,608.00	\$5,164.00	\$20,656.00	\$4,798.00	\$19,192.00
28	7	EA Fire hydrant assembly installed on existing 6" water line complete in place including piping, fittings, tapping sleeve and valve, kickers and associated work	\$5,415.00	\$37,905.00	\$6,354.00	\$44,478.00	\$8,226.00	\$57,582.00
29	2	EA Fire hydrant assembly installed on existing 8" water line complete in place including piping, fittings, tapping sleeve and valve, kickers and associated work	\$5,457.00	\$10,914.00	\$6,415.00	\$12,830.00	\$8,469.00	\$16,938.00
30	1	EA Fire hydrant assembly installed on existing 12" water line complete in place including piping, fittings, tapping sleeve and valve, kickers and associated work	\$5,650.00	\$5,650.00	\$6,860.00	\$6,860.00	\$9,062.00	\$9,062.00
31	2	EA Post hydrant assembly installed on existing 6" water line complete in place including piping, fittings, tapping sleeve and valve, kickers and associated work	\$4,494.00	\$8,988.00	\$5,293.00	\$10,586.00	\$7,350.00	\$14,700.00
32	18	EA Post hydrant assembly installed on existing 4" water line complete in place including piping, fittings, tapping sleeve and valve, kickers and associated work	\$3,600.00	\$64,800.00	\$5,223.00	\$94,014.00	\$7,330.00	\$131,940.00
33	11	EA Type A service connection, complete and in place, including water main connection and appurtenances, service line from water main to meter box, meter box installation, and appurtenances, and all associated work (meter will be furnished by Owner).	\$953.00	\$10,483.00	\$1,118.00	\$12,298.00	\$1,013.00	\$11,143.00
34	12	EA Type B service connection, complete and in place, including water main connection and appurtenances, bore and jack under roadway with steel casing pipe and service line from water main to meter box, meter box installation, and appurtenances, and all associated work (meter will be furnished by Owner).	\$1,230.00	\$14,760.00	\$2,239.00	\$26,868.00	\$2,026.00	\$24,312.00
35	100	LF 3/4-Inch PE service Line in excess of required maximum amount shown in Type A or Type B service connections or reconnections,, Class 200 polyethylene classified PE 3406, complete and in place.	\$10.00	\$1,000.00	\$10.00	\$1,000.00	\$12.80	\$1,280.00
36	16	EA Disconnect existing service from existing water line, including closing of existing corp stop and plugging of existing service line, complete and in place.	\$530.00	\$8,480.00	\$660.00	\$10,560.00	\$214.00	\$3,424.00
37	50	LF Pavement Repair	\$120.00	\$6,000.00	\$33.00	\$1,650.00	\$58.70	\$2,935.00
38	20	LF Concrete Repair for driveways and sidewalks	\$120.00	\$2,400.00	\$33.00	\$660.00	\$80.00	\$1,600.00
39	50	LF Rip-Rap for bank stabilization	\$20.00	\$1,000.00	\$28.00	\$1,400.00	\$53.40	\$2,670.00
40	50	C.Y. Concrete for cradles, caps, piers, anchors & encasement	\$200.00	\$10,000.00	\$226.00	\$11,300.00	\$128.00	\$6,400.00
41	100	C.Y. Undercut of water line ditch in excess of details shown on plans and as specified where directed by Engineer including crushed stone backfilling of undercut areas.	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$10.70	\$1,070.00
42	1	L.S. Cedar Hill booster pumping station, including all piping, valves, connections to existing lines, sitework, electrical, etc., complete and in place as shown on the drawings	\$150,000.00	\$150,000.00	\$167,127.00	\$167,127.00	\$196,541.00	\$196,541.00
TOTAL BID PRICE (items 1 through 42)				\$780,278.50	*	\$798,105.00		\$1,011,330.00

I do hereby certify that the above is a true and correct copy of the bids received.

* Denotes error in bid

Louis E. Robbins 9/25/2019

Louis E. Robbins, P.E.
 GRW Engineers, Inc.
 Kentucky License No. 12662

EXHIBIT 6



GRW | engineering | architecture | geospatial
404 BNA Drive | Suite 201 | Nashville, TN 37217
615.366.1600 | www.grwinc.com

September 25, 2019

Mr. Jimmy Mills, Chairman
Edmonson County Water District
1128 Hwy 259 North
P.O. Box 208
Brownsville, KY 42210

Re: Edmonson County Water District
2017 Edmonson/Hart Water Line Project
Recommendations for Award

Dear Mr. Mills:

Bids on the Edmonson County 2017 Edmonson/Hart Water Line Project were received and opened at 10:00 a.m. on September 24, 2019. Bids received were as follows (copies of bid tabulations enclosed):

1. Cumberland Pipeline, LLC	\$ 780,278.50
2. United Pipeline, Inc.	\$ 798,105.00
3. Cleary Construction, Inc.	\$ 1,011,330.00

The low bids are within the amount budgeted for construction on this project. Based on references checked, we are of the opinion that the low Contractor currently has good reputation for their work and is capable of completing the work as shown and specified in an acceptable manner. We hereby recommend award of the 2017 Edmonson/Hart Water Line Project contract to Cumberland Pipeline, LLC in the amount of \$780,278.50.

Please call if you have any questions or need additional information.

Sincerely,

Louis E. Robbins, P.E.

Enclosures

cc: Linda Lockett, RD Elizabethtown
Gerald Wuetcher, Stoll Keenon Ogden PLLC
File 3621-08 A

EXHIBIT 7

RESOLUTION 19-_____

**A RESOLUTION OF THE BOARD OF COMMISSIONERS OF
EDMONSON COUNTY WATER DISTRICT TO AWARD A CONTRACT
FOR THE CONSTRUCTION OF 2017 EDMONSON/HART WATER LINE
PROJECT**

WHEREAS, Edmonson County Water District ("Edmonson District") caused to be published in accordance with the provisions of KRS Chapter 424 an advertisement for bids on the Construction Contract for 2017 Edmonson/Hart Water Line Project ("Contract");

WHEREAS, three firms submitted bids on the Contract, all of which were in accordance with the terms of the advertisements;

WHEREAS, Cumberland Pipeline, LLC, of Russell Springs, Kentucky, submitted the lowest of these bids with a bid of \$780,278.50; and

WHEREAS, the Project Engineer has recommended that Edmonson District award the Contract to Cumberland Pipeline, LLC, subject to Rural Development's ("RD") concurrence with the bid award and receipt of any required authorizations from the Kentucky Public Service Commission ("KPSC");

WHEREAS, at a meeting on September 24, 2019, the Board of Commissioners of Edmonson District awarded the Contract to Cumberland Pipeline, LLC; and,


WHEREAS, the Board of Commissioners of Edmonson District wishes to affirm and formalize its earlier award of the Contract;

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE BOARD OF COMMISSIONERS OF EDMONSON 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.

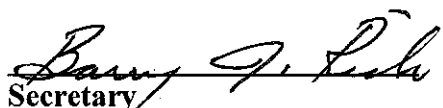
Section 2. Cumberland Pipeline, LLC is awarded the Contract at the bid amount of \$780,278.50.

ADOPTED BY THE BOARD OF COMMISSIONERS OF EDMONSON DISTRICT at a meeting held on October 8, 2019, signed by the Chairman, and attested by the Secretary.



Chairman

ATTEST:



Secretary

EXHIBIT 8



Rural Development

September 30, 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: Edmonson Co. Water District
2017 Edmonson/Hart Waterline project
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, Cumberland Pipeline, Inc.. in the amount of \$780278.50.

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

Julie Anderson

Hilda G. Legg
State Director
Rural Development

Cc: Louis Robbins

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, 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.

EXHIBIT 9

PROVIDED SEPARATELY

EXHIBIT 10

EXHIBIT 10A



August 8, 2018

Jimmy Mills, Chairperson
Edmonson County Water District
PO Box 208
Brownsville, KY 42210

SUBJECT: Recipient Name: Edmonson County Water District
Project Name: 2018 Water Main Extension and Upgrades

Dear Chairman Mills:

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 \$1,032,000 and a RUS grant not to exceed \$258,000. 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 180 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.

1. Number of Users and Their Contribution:

There shall be 10,449 water users, of which 10,424 are existing users and 25 are new users. The Area Director will review and authenticate the number of users 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 one year from the date of the Bond. Payments will be in accordance with applicable KRS, which requires interest to be paid semi-annually (January 1st and July 1st) and principal will be due on or before the first of January. 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 \$385 per month into a "Funded Debt Reserve Account" until the account reaches \$46,200. The deposits are to be resumed any time the account falls below the \$46,200.

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 \$8,417 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 water 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.

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 \$511,000.
- 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 240 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 sewer 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.

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	\$ 986,250
Environmental	7,500
Land and Rights	6,000
Legal and Administrative	16,500
Engineering Fees	165,000
Interest	10,000
Contingencies	<u>98,750</u>
TOTAL PROJECT COST	\$1,290,000

Project Funding:

RUS Loan	\$1,032,000
RUS Grant	<u>258,000</u>
TOTAL FUNDING	\$1,290,000

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 grant 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 and sewer 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	1,500	gallons @ \$14.00 - Minimum Bill.
All Over	1,500	gallons @ \$ 5.30 – per 1,000 gallons.

Wholesale Water Rate to Brownsville:

\$3.13 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 utility 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. Mitigation Measures:

- A. 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.
- B. Any excavation by Contractor that uncovers a historical or archaeological artifact shall be immediately reported to Owner and a representative of the Agency. Construction shall be temporarily halted pending the notification process and further directions issued by the Agency after consultation with the State Historic Preservation Officer (SHPO).
- C. The design and construction shall be in compliance with all local, state, and federal environmental statutes, regulations, and executive orders applicable to the project.
- D. Best Management Practices shall be incorporated into the project design, construction, and maintenance.
- E. The project design, construction, and operation shall be inclusive of all comments by the KY Department for Local Government letter dated August 25, 2017 and updated July 14, 2018.
- F. The project design, construction, and operation shall be inclusive of all comments by the U.S. Fish and Wildlife Service letter dated June 8, 2018.

38. 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>).

39. 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.

40. 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.

41. American Iron & Steel:

Section 746 of Title VII of the Consolidated Appropriations Act of 2017 (Division A - Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2017) applies a new American Iron and Steel requirement:

- (1) No Federal funds made available for this fiscal year for the rural water, waste water, waste disposal, and solid waste management programs authorized by the Consolidated Farm and Rural Development Act (7 U.S.C. 1926 et seq.) shall be used for a project for the construction, alteration, maintenance, or repair of a public water or wastewater system unless all of the iron and steel products used in the project are produced in the United States.

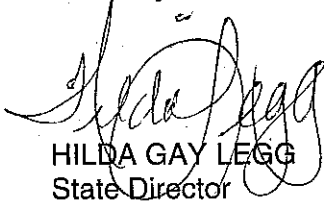
- (2) The term "iron and steel products" means the following products made primarily of iron or steel: lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.
- (3) The requirement shall not apply in any case or category of cases in which the Secretary of Agriculture (in this section referred to as the "Secretary") or the designee of the Secretary finds that— a. applying the requirement would be inconsistent with the public interest; b. iron and steel products are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality; or c. inclusion of iron and steel products produced in the United States will increase the cost of the overall project by more than 25 percent.

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,



HILDA GAY LEGG
State Director

Enclosures

- cc: Area Director – Columbia, Kentucky
Area Manager – Elizabethtown, Kentucky
Barren River ADD – Bowling Green, Kentucky
Stoll, Keenon & Ogden – Louisville, Kentucky
Thomas Goff – Leitchfield, Kentucky
GRW Engineers – Nashville, Tennessee
PSC – ATTN: Talina Mathews – Frankfort, Kentucky

EXHIBIT 10B

Position 3

Form RD 1942-46
(Rev. 6-10)

UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL DEVELOPMENT

FORM APPROVED
OMB NO. 0575-0015
OMB NO. 0570-0062

LETTER OF INTENT TO MEET CONDITIONS

Date 08-09-2018

TO: United States Department of Agriculture

RURAL DEVELOPMENT

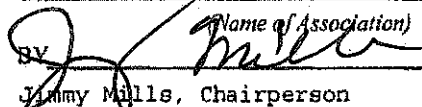
(Name of USDA Agency)

250 SPORTSMAN LAKE ROAD
ELIZABETHTOWN, KY 42701

(USDA Agency Office Address)

We have reviewed and understand the conditions set forth in your letter dated 08-08-2018. It is our intent to meet all of them not later than 03-08-2018.

Edmonson County Water District

BY  _____
(Name of Association)

Jimmy Mills, Chairperson

(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

INSTRUCTIONS-TYPE IN CAPITALIZED ELITE TYPE IN SPACES MARKED () Complete Items 1 through 29 and applicable Items 30 through 34. See FMI.			
1. CASE NUMBER ST CO BORROWER ID 20-031-*****2517		LOAN NUMBER	FISCAL YEAR
2. BORROWER NAME Edmonson County Water District		3. NUMBER NAME FIELDS (1, 2, or 3 from Item 2)	
		4. STATE NAME Kentucky	5. COUNTY NAME Edmonson
GENERAL BORROWER/LOAN INFORMATION			
8. RACE/ETHNIC CLASSIFICATION 1 - WHITE 2 - BLACK 3 - ASIAN 4 - HISPANIC 5 - A/P	7. TYPE OF APPLICANT 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		9. EMPLOYEE RELATIONSHIP CODE 1 - EMPLOYEE 2 - MEMBER OF FAMILY 3 - CLOSE RELATIVE 4 - ASSO
10. SEX CODE 6 1 - MALE 2 - FEMALE 3 - FAMILY UNIT 4 - ORGAN MALE OWNED 5 - ORGAN FEMALE OWNED 6 - PUBLIC BODY	11. MARITAL STATUS 1 - MARRIED 2 - SEPARATED 3 - UNMARRIED (INCLUDES WIDOWED/DIVORCED)	12. VETERAN CODE 1 - YES 2 - NO	13. CREDIT REPORT 1 - YES 2 - NO
14. DIRECT PAYMENT 3 (See FMI)	15. TYPE OF PAYMENT 2 1 - MONTHLY 2 - ANNUALLY 3 - SEMI-ANNUALLY 4 - QUARTERLY	16. FEE INSPECTION 2 1 - YES 2 - NO	
17. COMMUNITY SIZE 1 - 10 OR LESS (FOR RPH AND 2 - OVER 10,000 (RPH ONLY)		18. USE OF FUNDS CODE (See FMI)	
COMPLETE FOR OBLIGATION OF FUNDS			
19. TYPE OF ASSISTANCE 067 (See FMI)	20. PURPOSE CODE	21. SOURCE OF FUNDS	22. TYPE OF ACTION 1 - OBLIGATION ONLY 2 - OBLIGATION/CHECK REQUEST 3 - CORRECTION OF OBLIGATION
23. TYPE OF SUBMISSION 2 1 - INITIAL 2 - SUBSEQUENT	24. AMOUNT OF LOAN \$1,032,000.00	25. AMOUNT OF GRANT \$258,000.00	
26. AMOUNT OF IMMEDIATE ADVANCE	27. DATE OF APPROVAL MO DAY YR 08 09 18	28. INTEREST RATE 3.1250 %	29. REPAYMENT TERMS 40
COMPLETE FOR COMMUNITY PROGRAM AND CERTAIN MULTIPLE-FAMILY HOUSING LOANS			
30. PROFIT TYPE 1 - LIMITED PROFIT 2 - FULL PROFIT 3 - NONPROFIT			
COMPLETE FOR EM LOANS ONLY		COMPLETE FOR CREDIT SALE-ASSUMPTION	
31. DISASTER DESIGNATION NUMBER (See FMI)	32. TYPE OF SALE 1 - CREDIT SALE ONLY 2 - ASSUMPTION ONLY 3 - CREDIT SALE WITH SUBSEQUENT LOAN 4 - ASSUMPTION WITH SUBSEQUENT LOAN		
FINANCE OFFICE USE ONLY		COMPLETE FOR FP LOANS ONLY	
33. OBLIGATION DATE MO DA YR	34. BEGINNING FARMER/RANCHER (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 13 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 the Letter of Conditions 08 08 18, and any 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 8/9/, 20 18

[Handwritten Signature]
Jimmy Mills, Chairperson

(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.

[Handwritten Signature]

(Signature of Approving Official)

Typed or Printed Name: Hilda Gay Legg

Date Approved: 8/9/18

Title: State Director

38. TO THE APPLICANT: As of this date 8/17/18, 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

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

Jimmy Mills, being duly sworn, deposes and states:

1. He is the Chairman of the Board of Commissioners of Edmonson County Water District.

2. Edmonson County Water District owns and operates facilities the produce and distribute water to the public in in the Kentucky counties of Butler, Edmonson, Grayson, Hart, and Warren.

3. Edmonson County Water District has retained GRW Engineers, Inc. (“Engineer”), an engineering, architectural and geospatial consulting firm, to design and oversee the construction of proposed improvements to its water distribution system (“the Project”), including the construction of approximately 2,750 feet of four-inch water main to serve an additional customer and interconnect its water system with that of Green River Valley Water District, and the construction of 20,955 feet of three-inch and four-inch water main and a pressure booster station to serve twenty-five new and existing customers and to eliminate long individual service lines.

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 Edmonson Water District proposes and which are set forth in its Application filed with the Public Service Commission of Kentucky are contemplated to

EXHIBIT 12

**EDMONSON COUNTY WATER DISTRICT
NOTICE OF PROPOSED RATE CHANGE**

On or about October 10, 2019, Edmonson County 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 that, as a condition to the award of a loan of \$1,032,000, which will be evidenced by waterworks revenue bonds, and a grant of \$258,000, Edmonson County Water District assess the following rates:

	Present Rate	Proposed Rate	Change (\$)	Change (%)
First 1,500 Gallons	\$ 13.00 Minimum Bill	\$ 14.00 Minimum Bill	\$ 1.00	7.7
Over 1,500 Gallons	4.90 Per 1,000 Gallons	5.30 Per 1,000 Gallons	\$ 0.40	8.2
Wholesale Rate	2.90 Per 1,000 Gallons	3.13 Per 1,000 Gallons	\$ 0.23	7.9

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

Customer Class	Average Monthly Usage (gals.)	Average Bill Present Rates	Average Bill Proposed Rates	Increase (\$)	Increase (%)
Retail	3,078	\$ 20.74	\$ 22.37	\$ 1.63	7.9
Wholesale	3,196,250	\$ 9,269.13	\$10,004.27	\$ 735.14	7.9

The proposed rates will 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.

The proposed rates are required under the terms of an agreement between Edmonson County 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 Edmonson County Water District and RD, or to defer the issuance of all necessary orders to implement the terms of the agreement.

Any person may examine the application at Edmonson County Water District’s office at 1128 Highway 259 North, Brownsville, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 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=2019-00355.

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. Edmonson County Water District’s application is docketed as Case No. 2019-00355.

The proceeds of the RD loan and grant will be used to construct approximately 23,705 feet of three- and four-inch water main and a pressure booster station and to install flushing hydrants and leak detection meters.

Jimmy Mills, Chairman
Edmonson County Water District

EXHIBIT 13

EXHIBIT 13

PROPOSED RATES

First 1,500 Gallons	\$ 14.00 Minimum Bill
All Over 1,500 Gallons	5.30 Per 1,000 Gallons
Wholesale Rate	3.13 Per 1,000 Gallons