

# Rubin & Hays

ATTORNEYS AT LAW

Kentucky Home Trust Building, 450 South Third Street, Louisville, Kentucky 40202-1410  
Telephone (502) 569-7525 Telefax (502) 569-7555 www.rubinhays.com

CHARLES S. MUSSON  
W. RANDALL JONES  
CHRISTIAN L. JUCKETT

2013-00339

September 9, 2013

RECEIVED

SEP 10 2013

PUBLIC SERVICE  
COMMISSION

Mr. Jeff Derouen  
Executive Director  
Public Service Commission  
P.O. Box 615  
Frankfort, Kentucky 40602

Re: Estill County Water District #1 PSC Application - KRS 278.023

Dear Mr. Derouen:

Enclosed please find the original and ten (10) copies of the Application of the Estill County Water District #1 for a Certificate of Public Convenience and Necessity to construct, finance and increase rates pursuant to KRS 278.023.

Also enclosed are eleven (11) copies of the exhibits required pursuant to 807 KAR 5.069, with the **exception of the Preliminary and Final Engineering Reports, of which two copies are enclosed.**

If you need any additional information or documentation, please let us know.

Sincerely,

Rubin & Hays



By

W. Randall Jones

WRJ:jlm  
Enclosures  
cc: Distribution List

## DISTRIBUTION LIST

Account No. 166.0000

**Re: Estill County Water District No. 1 Waterworks Revenue Bonds, Series 2014, in  
the principal amount of \$1,699,000**

Mr. Thomas G. Fern  
State Director  
USDA, Rural Development  
771 Corporate Drive, Suite 200  
Lexington, Kentucky 40503-5477

Telephone: (606) 224-7336  
Fax: (606) 224-7425

Mr. John Johnson  
USDA, Rural Development  
65 Brighton Boulevard, Suite 3  
Shelbyville, Kentucky 40065

Telephone: (502) 633-3294  
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Ms. Audrea Miller  
Estill County Water District No. 1  
76 Cedar Grove Road  
Irvine, Kentucky 40336

Telephone: (606) 723-3795  
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R. Michael Williams, P.E.  
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W. Randall Jones, Esq.  
Rubin & Hays  
Kentucky Home Trust Building  
450 South Third Street  
Louisville, Kentucky 40202

Telephone: (502) 569-7525  
Fax: (502) 569-7555

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

RECEIVED  
SEP 10 2013  
PUBLIC SERVICE  
COMMISSION

In the Matter of:

**THE APPLICATION OF THE ESTILL COUNTY )**  
**WATER DISTRICT #1 FOR A CERTIFICATE OF )**  
**PUBLIC CONVENIENCE AND NECESSITY ) Case No. 2013 - 00339**  
**TO CONSTRUCT, FINANCE AND INCREASE )**  
**RATES PURSUANT TO KRS 278.023 )**

**A P P L I C A T I O N**

This Application of the Estill County Water District #1 ("Applicant"), respectfully shows:

1. That Applicant is a water district created and existing under and by virtue of Chapter 74 of the Kentucky Revised Statutes.

2. That the post office address of Applicant is:

Estill County Water District #1  
c/o Mr. Greg Wright, Chairman  
76 Cedar Grove Road  
Irvine, Kentucky 40336

3. That Applicant, pursuant to the provisions of KRS 278.023, seeks (i) a Certificate of Public Convenience and Necessity, permitting Applicant to construct a water system improvement project (the "Project"); (ii) an Order approving increased water rates; and (iii) approval of the proposed plan of financing said Project.

4. That the Project consists of the installation of 3, 4, 6 and 8 inch PVC waterline and appurtenances and two booster pumping stations.

5. That Applicant proposes to finance the construction of the Project through (i) the issuance of \$1,699,000 of its Waterworks Revenue Bonds; and (ii) a USDA, Rural Development ("RD") grant in the amount of \$661,000. Applicant has a commitment from RD to purchase said \$1,699,000 of bonds maturing over a 40-year period, at an interest rate of not exceeding 2.50% per annum, as set out in the RD Letter of Conditions, as amended, filed herewith as an Exhibit.

6. That Applicant does not contemplate having the Project constructed with any deviation from minimum construction standards of this Public Service Commission.

7. That Applicant files herewith the following Exhibits pursuant to 807 KAR 5:069 in support of this Application:

- A. Copy of RD Letter of Conditions, as amended (**Exhibit "A"**).
- B. Copy of RD Letter of Concurrence in Contract Award (**Exhibit "B"**).
- C. Copy of Preliminary and Final Engineering Reports.
- D. Certified statement from the Chairman of Applicant (**Exhibit "C"**), based upon statements of the Engineers for Applicant, concerning the following:
  - (1) 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.
  - (2) All other state approvals or permits have already been obtained;
  - (3) The proposed rates of Applicant shall produce the total revenue requirements set out in the engineering reports; and
  - (4) Setting out the dates when it is anticipated that construction will begin and end.


8. That Applicant has arranged for the publication, prior to or at the same time this Application is filed, of a Notice of Proposed Rate Change pursuant to Section 2 of 807 KAR 5:069, in the newspaper of general circulation in Applicant's service area. Said Notice sets out the current rates and the proposed rates of Applicant and a description of the construction Project. A copy of said Notice is filed herewith as **Exhibit "D"**.

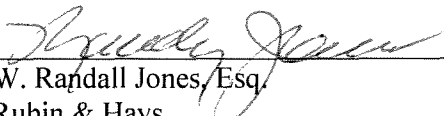
9. That the foregoing constitutes the documents necessary to obtain the approval of the Kentucky Public Service Commission in accordance with Section 278.023 of the Kentucky Revised Statutes and in accordance with the "Filing Requirements" specified in 807 KAR 5:069, Section 1.

WHEREFORE, Applicant, the Estill County Water District #1, asks that the Public Service Commission of the Commonwealth of Kentucky grant to Applicant the following:

- a. A Certificate of Public Convenience and Necessity permitting Applicant to construct a water system improvement project.
- b. An Order approving the financing arrangements made by Applicant, viz., (i) the issuance of \$1,699,000 of Estill County Water District #1 Waterworks Revenue Bonds at an interest rate of not exceeding 2.50% per annum; and (ii) an RD grant in the amount of \$661,000.
- c. An Order approving the proposed water rates and charges as set out in Section 27 of the RD Letter of Conditions, as amended, filed herewith as an Exhibit.

ESTILL COUNTY WATER DISTRICT #1

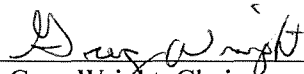
By:   
Chairman  
Board of Water Commissioners

  
W. Randall Jones, Esq.  
Rubin & Hays  
Counsel for Applicant  
Kentucky Home Trust Building  
450 South Third Street  
Louisville, Kentucky 40202  
(502) 569-7525  
wrjones@rubinhays.com

COMMONWEALTH OF KENTUCKY )  
 ) SS:  
COUNTY OF ESTILL )


The undersigned, Greg Wright, being duly sworn, deposes and states that he is the Chairman of the Board of Commissioners of the Estill County Water District #1, Applicant, in the above proceedings; that he has read the foregoing Application and has noted the contents thereof; that the same is true of his own knowledge, except as to matters which are therein stated on information or belief, and as to those matters, he believes same to be true.

IN TESTIMONY WHEREOF, witness the signature of the undersigned on this August 29, 2013.

  
\_\_\_\_\_  
Greg Wright, Chairman  
Estill County Water District #1

Subscribed and sworn to before me by Greg Wright, Chairman of the Board of Commissioners of the Estill County Water District #1, on this August 29, 2013.

My Commission expires: Jan 22, 2014.

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



**United States Department of Agriculture  
Rural Development  
Kentucky State Office**

February 2, 2011

Greg Wright, Chairman  
Estill County Water District No. 1  
76 Cedar Grove Road  
Irvine, Kentucky 42728

Dear Chairman Wright:

This letter establishes conditions which 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 and 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 \$1,699,000 and a RUS grant not to exceed \$661,000. 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 210 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:

771 Corporate Drive • Suite 200 • Lexington, KY 40503  
Phone (859) 224-7336 • Fax: (859) 224-7444 • TDD (859) 224-7422 • Web <http://www.rurdev.usda.gov/ky>

Committed to the future of rural communities

"USDA is an equal opportunity provider, employer and lender."  
To file a complaint of discrimination write USDA, Director, Office of Civil Rights,  
1400 Independence Avenue, SW, Washington, DC 20250-9410  
or call (800) 795-3272 (voice) or (202) 720-6382 (TDD)

1. Number of Users and Their Contribution:

There shall be 3,843 water users, of which 3,781 are existing users and 62 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 two years from the date of the Bond. Payments will be in accordance with applicable KRS, which requires interest to be paid semi-annually (February 1<sup>st</sup> and August 1<sup>st</sup>) and principal will be due on or before the first of February. 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 \$585 per month into a "Funded Debt Reserve Account" until the account reaches \$70,200. The deposits are to be resumed any time the account falls below the \$70,200.



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 resolutions.

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 \$2,400 monthly into the account. The funds in the short-lived asset account may be used by the District as needed to replace or add short-lived assets in the District's water system. This short-lived asset reserve amount replaces any previous short-lived assets requirements previously set with any prior RUS loan.

7. Security Requirements:

A pledge of gross water revenue will be provided in the Bond Resolution. 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.

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 and repay money.

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. 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, annually, in accordance with subsection 1780.47 of RUS Instruction 1780.

The enclosed audit booklet will be used as a guide for preparation of audits. The District shall be required to submit a copy of its audit agreement for review and concurrence by Rural Development prior to pre-closing the loan.

The District will be required to establish and maintain separate accounts for each system. Annual audits, budgets, and reports will be submitted to Rural Development showing separate accounts.

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

The District will accomplish audits in accordance with OMB Circular A-133, during the years in which federal funds are received. The District will provide copies of the audits to the Area Office and the appropriate Federal cognizant agency as designated by OMB Circular A-133.

13. 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 \$250,000.
- 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 a special flood and mudslide prone areas.

14. 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 "24" of this letter. The engineer may then proceed to develop final plans and specifications to be

completed no later than 180 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 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 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.

15. 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.

Rural Development financial programs must be extended without regard to race, color, religion, sex, national origin, marital status, age, or physical or mental handicap.

16. 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.

17. 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.

18. System Operator:

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

19. 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."

20. 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.

21. 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.

22. 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).

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 Board of Directors 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.

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. 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.

23. 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, upon receipt, must be deposited in an interest bearing account in accordance with 7 CFR part 3016 (as applicable). Interest earned on grant funds in excess of \$100 (as applicable) per year will be submitted to RUS at least quarterly.

24. Cost of Facility:

Breakdown of Costs:

Development	\$ 1,880,500
Land and Rights	10,000
Legal and Administrative	20,000
Engineering	235,300
Interest	26,000
Contingencies	<u>188,200</u>
TOTAL	\$ 2,360,000

Financing:

RUS Loan	\$ 1,699,000
RUS Grant	<u>661,000</u>
TOTAL	\$ 2,360,000

25. Use of Remaining Project Funds:

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.

26. 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.

27. Rates and Charges:

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

Water rates will be at least:

5/8" x 3/4" Meter

First	2,000	gallons @ \$	15.90. - Minimum Bill.
Next	3,000	gallons @ \$	7.72. - per 1,000 gallons.
Next	5,000	gallons @ \$	7.52. - per 1,000 gallons.
All Over	10,000	gallons @ \$	5.63. - per 1,000 gallons.

Water rates will be at least:

1" Meter

First	5,000	gallons @ \$	39.06. - Minimum Bill.
Next	5,000	gallons @ \$	7.52. - per 1,000 gallons.
All Over	10,000	gallons @ \$	5.63. - per 1,000 gallons.

Water rates will be at least:

2" Meter

First	16,000	gallons @ \$	110.44. - Minimum Bill.
All Over	16,000	gallons @ \$	5.63. - per 1,000 gallons.

Surcharge added to minimum bill of all Cobhill customers: \$4.81/month

28. 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.

29. Compliance with the Bioterrorism Act:

Prior to pre-closing the loan, the District will provide a certification they have completed a Vulnerability Assessment (VA) and prepared an emergency response plan (ERP) as required by the Safe Drinking Water Act (SDWA).

30. Floodplain Construction:

The District will be required to pass and adopt a Resolution or amend its By-Laws whereby the District will deny any water service to any future customer wishing to build on or develop property located within a designated floodplain. If a customer or developer requests service for construction in a designated floodplain, the customer or developer must provide evidence and a justification for approval by the District and Rural Development officials that there are no other alternatives to construction or development within the designated floodplain. The community must be a participant in the National Flood Insurance Program (NFIP) and the customer or developer must obtain the required permits prior to the tap on restrictions being waived.

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

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

32. Mitigation Measures:

- A. The project shall be in compliance with all requirements noted in the Governor's Office for Local Development letter dated March 12, 2010, from Ms. Lee Nalley.
- B. The design and construction shall be in compliance with the requirements of the U.S. Fish and Wildlife Service as requested by letter dated July 6, 2010, and signed by Virgil Lee Andrews, Jr., Field Supervisor.
- C. The line design and construction shall be accomplished in a way that will leave flood plains and farmland without effect after construction is complete. The Army Corps of Engineers Nationwide Permit No. 12 applies to all floodplain and wetland utility line construction.
- D. Any excavation by Contractor that uncovers a historical or archaeological artifact shall be immediately reported to Owner and a representative of Agency. Construction shall be temporarily halted pending the notification process and further directions issued by Agency after consultation with the State Historic Preservation Officer (SHPO).
- E. The design and construction shall be in compliance with all local, state and federal environmental statutes, regulations and executive orders applicable to the project.
- F. Best Management Practices shall be incorporated into the project design, construction, and maintenance.



33. 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,

A handwritten signature in black ink, appearing to read "Thomas G. Fern", is written over a circular stamp that contains the name "THOMAS G. FERN".

THOMAS G. FERN  
State Director

Enclosures

- cc: Area Director - Shelbyville, Kentucky  
Bluegrass ADD - Lexington, Kentucky  
Rubin & Hays - Louisville, Kentucky  
Garett Fowles - Richmond, Kentucky  
Bell Engineering - Lexington, Kentucky  
PSC - ATTN: Dennis Jones - Frankfort, Kentucky



Rural Development

August 19, 2013

Kentucky State Office

771 Corporate Drive,  
Suite 200  
Lexington, KY  
40503

Greg Wright, Chairman  
Estill County Water District #1  
76 Cedar Grove Road  
Irvine, Kentucky 42728

Voice 859.224.7300  
Fax 859.224.7425  
TTY 859.224.7422

Re: Letter of Conditions Dated February 2, 2011

Dear Chairman Wright:

This letter shall serve as Amendment No. 1 to the Letter of Conditions dated February 2, 2011. The purpose of this amendment is to make revisions to the number of users, the funded short lived asset reserve fund, the breakdown of the project costs, the rates and make other editorial changes in accordance with current Rural Utility Service (RHS) Instructions.

Paragraph numbered "1" is revised to read as follows:

" 1. Number of Users and Their Contribution:

There shall be 3,803 water users, of which 3,801 are existing users and 2 are new users. The Area Director will review and authenticate the number of users prior to advertising for construction bids. "

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

" 6. Reserve Accounts:

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

The District will be required to deposit \$585 per month into a "Funded Debt Reserve Account" until the account reaches \$70,200. The deposits are to be resumed any time the account falls below the 70,200.

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.

USDA is an equal opportunity provider and employer.

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

The District also needs to fund an account for short-lived assets by depositing a sum of \$2,750 monthly into the account. The funds in the short-lived asset account may be used by the District as needed to replace or add short-lived assets in the District's water system. "

Paragraph numbered "24" is revised to read as follows:

" 24. Cost of Facility:

Breakdown of Costs:

Development	\$ 1,954,000
Land and Rights	2,000
Legal and Administrative	24,000
Engineering	255,000
Interest	25,000
Contingencies	<u>100,000</u>
TOTAL	\$ 2,360,000

Financing:

RUS Loan	\$ 1,699,000
RUS Grant	<u>661,000</u>
TOTAL	\$ 2,360,000 "

Paragraph numbered "27" is revised to read as follows:

" 27. Rates and Charges:

Rates and charges for facilities and services rendered by the\* must be at least adequate to meet cost of maintaining, repairing and operating the \* 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:

5/8" by 3/4" Meter:

First	2,000 gallons @ \$	16.44. - Minimum Bill.
Next	3,000 gallons @ \$	7.99. - per 1,000 gallons.
Next	5,000 gallons @ \$	7.79. - per 1,000 gallons.
All Over	10,000 gallons @ \$	5.90. - per 1,000 gallons.

1" Meter:

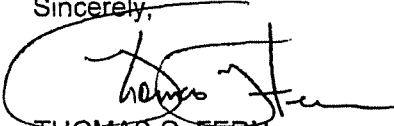
First	5,000 gallons @ \$	40.41. - Minimum Bill.
Next	5,000 gallons @ \$	7.79. - per 1,000 gallons.
All Over	10,000 gallons @ \$	5.90. - per 1,000 gallons.

2" Meter:

First	16,000	gallons @ \$	114.76. - Minimum Bill.
All Over	16,000	gallons @ \$	5.90. - per 1,000 gallons. "

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

Sincerely,



THOMAS G. FERN  
State Director

- cc: Area Director - Shelbyville, Kentucky
- Bluegrass ADD - Lexington, Kentucky
- Rubin & Hays - Louisville, Kentucky
- Garett Fowles - Richmond, Kentucky
- Bell Engineering - Lexington, Kentucky
- PSC - ATTN: Jeff Derouen - Frankfort, Kentucky



United States Department of Agriculture

Rural Development August 21, 2013

Kentucky State Office

771 Corporate Drive,  
Suite 200  
Lexington, KY  
40503

Voice 859.224.7300  
Fax 859.224.7425  
TTY 859.224.7422

SUBJECT: Estill County Water District  
Waterline Extensions  
Contract Award Concurrence

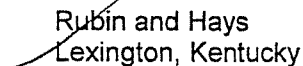
TO: Area Director  
Shelbyville, Kentucky

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, Clay Pipeline, in the amount of \$2,276,721.00, subject to a contract change order being executed simultaneously, in the amount of \$322,721.00, to bring the construction cost within the project budget.

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

  
THOMAS G. FERN  
State Director  
Rural Development

cc: Bell Engineering  
Lexington, Kentucky

  
Rubin and Hays  
Lexington, Kentucky

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

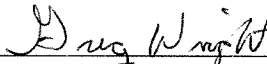
**CERTIFICATE OF CHAIRMAN OF ESTILL COUNTY WATER DISTRICT #1,  
AS TO STATEMENT REQUIRED BY SECTION 1(5) OF 807 KAR 5:069**

I, the undersigned, hereby certify that I am the duly qualified and acting Chairman of the Estill County Water District #1, and that said District is in the process of arranging to finance the construction of improvements to the water system (the "Project"), in cooperation with Bell Engineering, Inc., Lexington, Kentucky, the Engineers for the District (the "Engineers").

Based on information furnished to me by said Engineers for the District, I hereby certify as follows:

1. That 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.
2. That all other state approvals and/or permits have already been obtained.
3. That the rates proposed by the District in its current Application filed with the Public Service Commission of Kentucky are contemplated to produce total revenue requirements set out in the Engineering Reports prepared by such Engineers and filed with the Public Service Commission.
4. That it is now contemplated that construction of the Project will begin on or about October 1, 2013, and will end on or about March 29, 2014.

IN TESTIMONY WHEREOF, witness my signature this August 29, 2013.

  
\_\_\_\_\_  
Chairman  
Estill County Water District #1

STATE OF KENTUCKY     )  
  ) SS  
COUNTY OF ESTILL     )

Subscribed and sworn to before me by Greg Wright, Chairman of the Board of Commissioners of the Estill County Water District #1, on this August 29, 2013.

  
\_\_\_\_\_  
Notary Public  
In and For Said State and County

## NOTICE OF PROPOSED RATE CHANGE

In accordance with the regulations of the Kentucky Public Service Commission as set out in 807 KAR 5:069, Section 2, notice is hereby given to the customers of the Estill County Water District #1 of a change in the District's water rates. The changes in water rates are required by the U.S. Department of Agriculture, acting through Rural Development in connection with a loan by RD to the District in the amount of \$1,699,000 provided the District meets certain conditions of RD, including revising the water rates as set forth below:

### Current Monthly Rates

#### 5/8 x 3/4 inch meters

First 2,000 gallons	\$14.18 minimum bill
Next 3,000 gallons	6.80 per 1,000 gallons
Next 5,000 gallons	6.63 per 1,000 gallons
All over 10,000 gallons	4.91 per 1,000 gallons

#### 1 inch meters

First 5,000 gallons	\$34.60 minimum bill
Next 5,000 gallons	6.63 per 1,000 gallons
All over 10,000 gallons	4.91 per 1,000 gallons

#### 2 inch meters

First 16,000 gallons	\$97.20 minimum bill
All over 16,000 gallons	4.91 per 1,000 gallons

Cob Hill Surcharge	\$4.81 per 1,000 gallons
--------------------	--------------------------

### Proposed Monthly Water Rates

#### 5/8 x 3/4 inch meters

First 2,000 gallons	\$16.44 minimum bill
Next 3,000 gallons	7.99 per 1,000 gallons
Next 5,000 gallons	7.79 per 1,000 gallons
All over 10,000 gallons	5.90 per 1,000 gallons

#### 1 inch meters

First 5,000 gallons	\$40.41 minimum bill
Next 5,000 gallons	7.79 per 1,000 gallons
All over 10,000 gallons	5.90 per 1,000 gallons

2 inch meters

First 16,000 gallons	\$114.76 minimum bill
All over 16,000 gallons	5.90 per 1,000 gallons
Cob Hill Surcharge	\$4.81 per 1,000 gallons

The RD loan proceeds will be used in conjunction with a \$661,000 RD grant to finance the cost of the installation of 3, 4, 6 and 8 inch PVC waterline and appurtenances and two booster pumping stations. Signed, Greg Wright, Chairman, Estill County Water District #1.



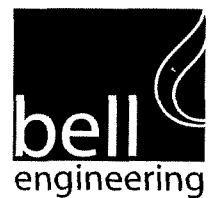
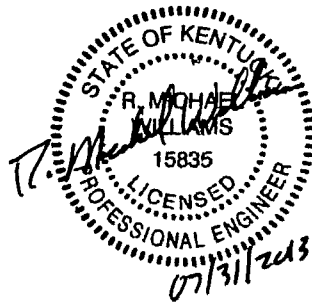
# Final Engineering Report

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## Phase 10 Water Line Extensions, Tank Improvements, and Water Line Replacement

Estill County Water District

July 2013



RECEIVED

SEP 10 2013

PUBLIC SERVICE  
COMMISSION

**Final Engineering Report  
Phase 10  
Water Line Extensions, Tank Improvements, and Water Line Replacement  
Estill County Water District  
July 2013**

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**Final Engineering Report  
Phase 10  
Water Line Extensions, Tank Improvements, and Water Line Replacement  
Estill County Water District**

## **Introduction**

The Estill County Water District (ECWD) is proposing to extend water service to provide improved pressure and water quality affecting over a thousand customers throughout the western portion of Estill County. Deteriorated plastic and ductile iron water line will be replaced on Wisemantown, Pea Ridge, Dark Hollow and Cedar Grove roads. Replacement of these water lines will directly affect the water service for 157 customers and improve water service to the entire service area by reducing the unaccounted for water loss. New water lines will be constructed in the Dug Hill and Stacy Lane areas. A new pump station will be constructed on Knob Lick Road to provide addition pressure and service to the Knob Lick area. The Dry Branch pump station is in need of repair and will be replaced.

The project contained three loops, Red Lick, Crooked Creek and KY 89 at Wiseman Crossing; however, these loops have been eliminated from the project. The KY 89 at Wiseman Crossing loop will be completed during a highway relocation project. The Red Lick and Crooked Creek are still need and will be constructed in a future project as funds become available. Also, the original project contained two chlorine booster stations and they were eliminated because the Estill County Water District Board considers the bid to be excessively high.

## Final Design

### Water Line Extensions to New Customers

The Estill County Water District is proposing to improve water service to existing customers, provide increased pressure and improved water quality affecting over a thousand customers throughout the western portion of Estill County. The new water lines are listed in Table 1 below.

**Table 1**

Road Name	Length (ft.)	Line Size (in.)
Stacy Lane Extension	3,696	4
Dug Hill Road	3,500	4

### Water Line Loops

The original project as it was bid contained three loops as listed in Table 2. The KY89@wiseman crossing loop is deleted from the project because the highway department is upgrading the intersection and this loop will be completed in the highway relocation project. The Red lick and Crooked Creek loops have been eliminated from the project because of budget restrictions

**Table 2**

Road Name	Length (ft.)	Line Size (in.)
Red Lick	7,500	6
Crooked Creek	3,696	4
KY 89@wiseman Xing	500	4

## Rehabilitation of Existing Water Lines

Deteriorated plastic and ductile iron water line will be replaced on Wisemantown, Pea Ridge, Dark Hollow and Cedar Grove roads are listed in Table 3

**Table 3**

Road Name	Length (ft.)	Line Size (in.)
US 52 (Wisemantown)	13,654	8
Doug Hill	1,800	4
Pea Ridge	3,600	6
Dark Hollow	4,000	4
Cedar Grove	5,500	6

## Booster Pumping Stations

A new pump station will be constructed on Knob Lick road to provide additional pressure and service to the Knob Lick area. The Dry Branch pump station is in need of repair and will be replaced.

## Project Bidding

Construction bids for the referenced project were received on July 18, 2013. The low bidder for the project is Clay Pipeline, Inc., 70 Fox Hollow Road, Manchester, Kentucky. The amount bid by Clay Pipeline, Inc. for Contract 371-10-01 was \$2,276,721.00. The low bid is in excess of the Rural Development construction funds awarded to this project. In order to remain within the project budget as funded by Rural Development, the Estill County Water District Board voted to delete following divisions as listed in the bid documents and the attached bid tabulation:

- Division "E"-Ky89/Dry Ridge Road Connection
- Division "J"-Crooked Creek Loop Connection across Big Round Mountain
- Division "K"-Red Lick Road
- Division "M"-Booster Chlorination Station at Existing Watson Ridge Water Storage Tank
- Division "O"- Telemetry Upgrade, Water District Office

The revised construction contract amount will be \$1,954,000. A revised budget for the Phase 10 Water Line Extensions, Pump Station Upgrade and Water Line Rehab project is shown below.

### **Project Funding**

USDA RUS Grant: \$661,000  
 USDA RIS Loan: \$1,699,000  
 Total funding: \$2,360,000

### **Project Budget**

**Phase 10 Pump Station Upgrade and Water Line Rehab  
 Opinion of Probable Project Cost  
 Revised after BID**

Administration and Legal	\$24,000
Land Structure, ROW, permits	\$2,000
Planning	\$10,000
Engineering Fees Design/Bidding	\$120,000
Engineering Fees Construction	\$30,000
Engineering Fees RPR	\$91,000
Interest During Construction	\$25,000
Environmental	\$4,000
Construction	\$1,954,000
Contingencies (5% of construction)	\$100,000
<b>Total Project Opinion of Probable Costs</b>	<b>\$2,360,000</b>

## Project Schedule

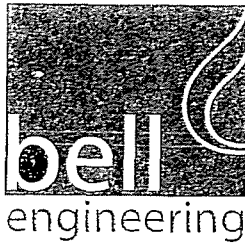
- |                                    |                 |
|------------------------------------|-----------------|
| 1. Finish Design                   | Complete        |
| 2. Advertise for construction Bids | Complete        |
| 3. Bid Opening                     | Complete        |
| 4. Begin Construction              | October 1, 2013 |
| 5. End Construction                | March 29, 2014  |
| 6. Close-Out Project               | April 28, 2014  |

**Appendix I**

**Recommendation for Award**

**Certified Bid Tabulations**





July 25, 2013

Mr. Greg Wright  
Estill County Water District #1  
76 Cedar Grove Road  
Irvine, KY 40336

Re: **Recommendation for Award**  
**Contract 371-10-01**  
**Phase 10 Water Line Extensions, Pump Station Repair and**  
**Water Line Rehab**  
**Estill County Water District #1**  
**Estill County Kentucky**

Dear Greg:

Construction bids for the referenced project were received on July 18, 2013. We have reviewed, mathematically checked and tabulated all bids on this project. We have also reviewed the qualifications of the contractor. The low bidder appears capable of performing the work.

The low bidder for Contract 371-10-01 is Clay Pipeline, Inc., 70 Fox Hollow Road, Manchester, Kentucky. The amount bid by Clay Pipeline, Inc. for Contract 371-10-01 was \$2,276,721.00. A tabulation of this and all bids is enclosed for your review. The low bid is in excess of the Rural Development construction funds awarded to this project. In order to remain within the project budget as funded by Rural Development, we recommend deletion of the following divisions listed in the bid documents:

Division "E"-Ky89/Dry Ridge Road Connection  
Division "J"-Crooked Creek Loop Connection across Big Round Mountain  
Division "K"-Red Lick Road  
Division "M"-Booster Chlorination Station at Existing Watson Ridge Water Storage Tank  
Division "O"- Telemetry Upgrade, Water District Office

Therefore, based on our review of the bidders and their bids, we recommend that the subject contract with the above exceptions be awarded, subject to Public Service Commission review, to the low bidder as outlined below:

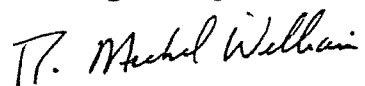
**Contract 371-10-01, Phase 10 Water Line Extensions, Pump Station Upgrade and**  
**Water Line Rehab.**

July 25, 2013  
Mr. Greg Wright  
Page 2

The revised construction contract amount will be \$1,954,000. A revised budget for the Phase 10 Water Line Extensions, Pump Station Upgrade and Water Line Rehab project is attached.

Should you have any questions, please let us know.

Sincerely,  
Bell Engineering.



R. Michael Williams, P.E.  
Project Engineer

Enclosures

Estill County Water District #1  
Phase 10 Pump Station Upgrade and Water Line rehab

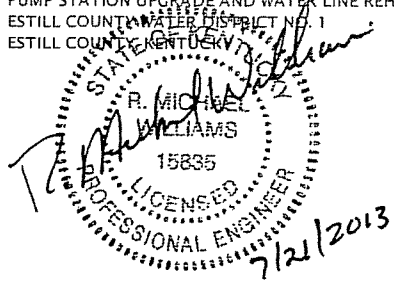
**Opinion of Probable Project Cost**  
**Revised after BID**

Administration and Legal	\$24,000
Land Structure, ROW, permits	\$2,000
Planning	\$10,000
Engineering Fees Design/Bidding	\$120,000
Engineering Fees Construction	\$30,000
Engineering Fees RPR	\$91,000
Interest During Construction	\$25,000
Environmental	\$4,000
Construction	\$1,954,000
Contingencies (5% of construction)	\$100,000
<b>Total Project Opinion of Probable Costs</b>	<b>\$2,360,000</b>

CONTRACT 371-10-01 PHASE 10 WATER LINE EXTENSIONS  
 (Revised July 11, 2013) PUMP STATION UPGRADE AND WATER LINE REHAB  
 ESTILL COUNTY WATER DISTRICT NO. 1  
 ESTILL COUNTY, KENTUCKY

We certify that the following is a true and complete tabulation of all bids received by Estill County Water District No. 1, Irvine, Kentucky, on July 18, 2013, for the titled project.

BELL ENGINEERING



Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962	Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167	Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353
---	--	---

Item No.	Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
<p>If the Contract is to be awarded, it will be awarded to the lowest, responsive, responsible Base Bid whose evaluation by the OWNER indicates to the OWNER that the award will be in the best interest of the Project. The bid alternates submitted by the lowest, responsive, responsible Base Bidder shall then be evaluated for possible inclusion in the Project.</p> <p>DIVISION "A" - WISEMANTOWN ROAD, KY 499</p>									
1.	8-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	13,800	L.F.	\$20.25	\$279,450.00	\$23.00	\$317,400.00	\$24.30	\$335,340.00
2.	8-Inch Class 200 (DR 9) Polyethylene Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Transition Fittings, Installed by "Directional Bore," and Copper Tracer Wire, Unclassified Excavation, Complete at Clear Creek	1	L.S.	\$21,400.00	\$21,400.00	\$18,000.00	\$18,000.00	\$9,200.00	\$9,200.00
3.	6-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	3,000	L.F.	\$17.60	\$52,800.00	\$20.00	\$60,000.00	\$19.45	\$58,350.00
4.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	740	L.F.	\$11.50	\$8,510.00	\$17.00	\$12,580.00	\$15.40	\$11,396.00
5.	8-Inch or 6-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	31	Each	\$1,125.00	\$34,875.00	\$1,400.00	\$43,400.00	\$1,090.00	\$33,790.00
6.	2-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	1	Each	\$630.00	\$630.00	\$415.00	\$415.00	\$500.00	\$500.00
7.	5/8-Inch x 3/4-Inch Meter Setting, PRV, Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Complete, Reuse Existing Meter	120	Each	\$870.00	\$104,400.00	\$675.00	\$81,000.00	\$810.00	\$97,200.00
8.	Reconnect to Existing Service Line, Including Exploration, Search, All Needed Fittings, and Cut/Cap/Block Existing Service Line, Complete	120	Each	\$116.00	\$13,920.00	\$100.00	\$12,000.00	\$415.00	\$49,800.00
9.	3/4-Inch, 1-Inch or 2-Inch Polyethylene Service Pipe with PE Cover Pipe, Corporation Stop, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Copper Tracer Wire, Unclassified Excavation, Complete	5,250	L.F.	\$10.70	\$56,175.00	\$7.50	\$39,375.00	\$16.10	\$84,525.00
10.	8-Inch x 6-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	4	Each	\$2,377.00	\$9,508.00	\$2,275.00	\$9,100.00	\$2,960.00	\$11,840.00
11.	4-Inch or 3-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	3	Each	\$1,464.00	\$4,392.00	\$1,400.00	\$4,200.00	\$1,890.00	\$5,670.00
12.	14-Inch x 0.250-Inch Steel Cover Pipe, Loading Carrier Pipe, Including Casing Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	280	L.F.	\$40.00	\$11,200.00	\$100.00	\$28,000.00	\$54.10	\$15,148.00
13.	Boring or Jacking for 14-Inch Steel Cover Pipe, Unclassified Excavation	280	L.F.	\$100.00	\$28,000.00	\$100.00	\$28,000.00	\$153.60	\$43,008.00
14.	Hydrant Assembly, Furnish and Install, Complete	12	Each	\$4,541.00	\$54,492.00	\$3,200.00	\$38,400.00	\$3,560.00	\$42,720.00
15.	Cut into Existing Line, Complete	2	Each	\$655.00	\$1,310.00	\$400.00	\$800.00	\$1,270.00	\$2,540.00
16.	Cut, Cap and Block Existing Line, Complete	9	Each	\$617.00	\$5,553.00	\$500.00	\$4,500.00	\$890.00	\$8,010.00
17.	Test Meter Assembly, Furnish and Install, Complete	1	Each	\$1,425.00	\$1,425.00	\$1,600.00	\$1,600.00	\$2,400.00	\$2,400.00
18.	Fiberglass Line Marker, Furnish and Install, Complete	14	Each	\$43.00	\$602.00	\$80.00	\$1,120.00	\$83.90	\$1,174.60
19.	Blow-off Assembly, Furnish and Install, Complete	1	Each	\$1,875.00	\$1,875.00	\$1,700.00	\$1,700.00	\$2,215.00	\$2,215.00
20.	Crushed Rock on Trench Surface, In Place (_____ L.F. x 225/2000 lbs = _____ Tons)	225	Ton	\$26.00	\$5,850.00	\$21.00	\$4,725.00	\$64.20	\$14,445.00

We certify that the following is a true and complete tabulation of all bids received by Estill County Water District No. 1, Irvine, Kentucky, on July 18, 2013, for the titled project.

BELL ENGINEERING

Item No.	Item	Quantity	Unit	Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
21.	Extra for #3 Channel Liner Stone, Only on Order of the Engineer	625	Ton	\$28.00	\$17,500.00	\$21.00	\$13,125.00	\$47.00	\$29,375.00
22.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	125	L.F.	\$45.00	\$5,625.00	\$30.00	\$3,750.00	\$35.00	\$4,375.00
23.	4-Inch Thickness Concrete Surface Replacement, Trench Width, on Drives and Roads, Complete	100	L.F.	\$50.00	\$5,000.00	\$25.00	\$2,500.00	\$52.20	\$5,220.00
TOTAL DIVISION "A"					\$724,492.00		\$725,690.00		\$868,241.60
DIVISION "B" - DARK HOLLOW ROAD REHABILITATION (STA. 0+00 TO WISEMANTOWN ROAD)									
1.	4-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	4,400	L.F.	\$12.00	\$52,800.00	\$18.70	\$82,280.00	\$14.80	\$65,120.00
2.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	120	L.F.	\$13.35	\$1,602.00	\$17.00	\$2,040.00	\$12.95	\$1,554.00
3.	5/8-Inch x 3/4-Inch Meter Setting, PRV, Meter Yoke, Box, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Complete, Reuse Existing Meter	24	Each	\$663.00	\$15,912.00	\$675.00	\$16,200.00	\$810.00	\$19,440.00
4.	Reconnect to Existing Service Line, Including Exploration, Search, All Needed Fittings, and Cut/Cap/Block Existing Service Line, Complete	24	Each	\$117.00	\$2,808.00	\$100.00	\$2,400.00	\$415.00	\$9,960.00
5.	3/4-Inch or 1-Inch Polyethylene Service Pipe with PE Cover Pipe, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Tracer Wire, Unclassified Excavation, Complete	1,450	L.F.	\$10.70	\$15,515.00	\$7.50	\$10,875.00	\$16.10	\$23,345.00
6.	3-Inch or 4-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	5	Each	\$760.00	\$3,800.00	\$650.00	\$3,250.00	\$650.00	\$3,250.00
7.	10-Inch x 0.250-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Casing Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	60	L.F.	\$72.00	\$4,320.00	\$100.00	\$6,000.00	\$45.50	\$2,730.00
8.	Boring or Jacking for 10-Inch Steel Cover Pipe, Unclassified Excavation	60	L.F.	\$85.00	\$5,100.00	\$100.00	\$6,000.00	\$132.00	\$7,920.00
9.	Blow-Off/Flushing Hydrant Assembly, Furnish and Install, Complete, (Post Hydrant No. 2)	2	Each	\$1,521.00	\$3,042.00	\$2,500.00	\$5,000.00	\$2,215.00	\$4,430.00
10.	Cut, Cap, and Block Existing Main Line	4	Each	\$612.00	\$2,448.00	\$400.00	\$1,600.00	\$890.00	\$3,560.00
11.	3-Inch x 3-Inch Ductile Iron Tapping Sleeve, Valve, Box, and Concrete Collar, Complete	3	Each	\$1,164.00	\$3,492.00	\$1,400.00	\$4,200.00	\$1,900.00	\$5,700.00
12.	Air Release Assembly, Furnish and Install, Complete	1	Each	\$748.00	\$748.00	\$675.00	\$675.00	\$1,100.00	\$1,100.00
13.	Fiberglass or Concrete Line Marker, Furnish and Install, Complete	4	Each	\$43.00	\$172.00	\$80.00	\$320.00	\$83.90	\$335.60
14.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	80	Ton	\$26.00	\$2,080.00	\$21.00	\$1,680.00	\$64.20	\$5,136.00
15.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	150	L.F.	\$45.00	\$6,750.00	\$30.00	\$4,500.00	\$35.00	\$5,250.00
16.	4-Inch Thickness Concrete Driveway Replacement, Trench Width, Complete	60	L.F.	\$50.00	\$3,000.00	\$25.00	\$1,500.00	\$52.20	\$3,132.00
TOTAL DIVISION "B"					\$123,589.00		\$148,520.00		\$161,962.60

We certify that the following is a true and complete tabulation of all bids received by Estill County Water District No. 1, Irvine, Kentucky, on July 18, 2013, for the titled project.

BELL ENGINEERING

				Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
Item No.	Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
<b>DIVISION "C" - DUG HILL ROAD</b>									
1.	4-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	2,570	L.F.	\$12.00	\$30,840.00	\$20.00	\$51,400.00	\$12.20	\$31,354.00
2.	4-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	6	Each	\$780.00	\$4,680.00	\$650.00	\$3,900.00	\$675.00	\$4,050.00
3.	10-Inch x 0.250-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	60	L.F.	\$61.00	\$3,660.00	\$100.00	\$6,000.00	\$45.50	\$2,730.00
4.	Boring or Jacking for 10-Inch Steel Cover Pipe, Unclassified Excavation	60	L.F.	\$100.00	\$6,000.00	\$100.00	\$6,000.00	\$132.00	\$7,920.00
5.	Blow-Off/Flushing Hydrant Assembly, Furnish and Install, Complete (Post Hydrant No. 2)	2	Each	\$1,722.00	\$3,444.00	\$2,500.00	\$5,000.00	\$2,215.00	\$4,430.00
6.	Remove Existing Blow-off Assembly, Furnish and Install, Complete	2	Each	\$200.00	\$400.00	\$200.00	\$400.00	\$765.00	\$1,530.00
7.	Tie-in to Existing Line, Complete	2	Each	\$259.00	\$518.00	\$400.00	\$800.00	\$1,270.00	\$2,540.00
8.	Fiberglass Line Marker, Furnish and Install, Complete	4	Each	\$43.00	\$172.00	\$80.00	\$320.00	\$83.90	\$335.60
9.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	30	Ton	\$26.00	\$780.00	\$21.00	\$630.00	\$64.20	\$1,926.00
10.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	25	L.F.	\$45.00	\$1,125.00	\$30.00	\$750.00	\$35.00	\$875.00
TOTAL DIVISION "C"					\$51,619.00		\$75,200.00		\$57,690.60
<b>DIVISION "D" - EDWARDS LANE</b>									
1.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	900	L.F.	\$11.42	\$10,278.00	\$9.00	\$8,100.00	\$10.30	\$9,270.00
2.	5/8-Inch x 3/4-Inch Meter Setting, Including New Meter, PRV Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Tie-In to Existing Service, Complete	7	Each	\$941.00	\$6,587.00	\$900.00	\$6,300.00	\$1,060.00	\$7,420.00
3.	3/4-Inch or 1-Inch Polyethylene Service Pipe with PE Cover Pipe, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Copper Tracer Wire, Unclassified Excavation, Complete	550	L.F.	\$10.70	\$5,885.00	\$7.50	\$4,125.00	\$16.10	\$8,855.00
4.	Blow-Off/Hydrant Assembly, Furnish and Install, Complete (Post Hydrant No. 2)	1	Each	\$1,781.00	\$1,781.00	\$2,500.00	\$2,500.00	\$2,215.00	\$2,215.00
5.	Fiberglass Line Marker, Furnish and Install, Complete	2	Each	\$43.00	\$86.00	\$80.00	\$160.00	\$83.90	\$167.80
6.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	20	Ton	\$26.00	\$520.00	\$21.00	\$420.00	\$64.20	\$1,284.00
7.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	25	L.F.	\$58.50	\$1,462.50	\$30.00	\$750.00	\$35.00	\$875.00
TOTAL DIVISION "D"					\$26,599.50		\$22,355.00		\$30,086.80

BELL ENGINEERING

Item No.	Item	Quantity	Unit	Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
DIVISION "E" - KY 89/DRY RIDGE ROAD CONNECTION									
1.	4-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	700	L.F.	\$12.00	\$8,400.00	\$18.00	\$12,600.00	\$11.10	\$7,770.00
2.	6-Inch x 4-Inch Ductile Iron Tapping Sleeve, Valve, Box, and Concrete Collar, Complete	1	Each	\$1,937.00	\$1,937.00	\$1,900.00	\$1,900.00	\$2,450.00	\$2,450.00
3.	4-Inch x 4-Inch Ductile Iron Tapping Sleeve, Valve, Box, and Concrete Collar, Complete	1	Each	\$1,812.00	\$1,812.00	\$1,750.00	\$1,750.00	\$2,300.00	\$2,300.00
4.	Fiberglass Line Marker, Furnish and Install, Complete	2	Each	\$43.00	\$86.00	\$80.00	\$160.00	\$83.90	\$167.80
5.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	25	Ton	\$26.00	\$650.00	\$21.00	\$525.00	\$64.20	\$1,605.00
6.	10-Inch x 0.250-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	40	L.F.	\$61.00	\$2,440.00	\$100.00	\$4,000.00	\$45.50	\$1,820.00
7.	Boring or Jacking for 10-Inch Steel Cover Pipe, Unclassified Excavation	40	L.F.	\$85.00	\$3,400.00	\$100.00	\$4,000.00	\$132.00	\$5,280.00
TOTAL DIVISION "E"					\$18,725.00		\$24,935.00		\$21,392.80
DIVISION "F" - CEDAR GROVE ROAD REHABILITATION									
1.	6-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	4,800	L.F.	\$14.65	\$70,320.00	\$20.00	\$96,000.00	\$19.40	\$93,120.00
2.	2-Inch or 3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	50	L.F.	\$15.00	\$750.00	\$20.00	\$1,000.00	\$15.90	\$795.00
3.	5/8-Inch x 3/4-Inch Meter Setting, Including PRV Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Complete (Reuse Existing Meter)	37	Each	\$700.00	\$25,900.00	\$675.00	\$24,975.00	\$810.00	\$29,970.00
4.	Reconnect to Existing Service Line, Including Exploration, Search, All Needed Fittings, and Cut/Cap/Block Existing Service Line, Complete	37	Each	\$117.00	\$4,329.00	\$100.00	\$3,700.00	\$415.00	\$15,355.00
5.	3/4-Inch or 1-Inch Polyethylene Service Pipe with PE Cover Pipe, Corporation Stop, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Copper Tracer Wire, Unclassified Excavation, Complete	2,800	L.F.	\$10.70	\$29,960.00	\$7.50	\$21,000.00	\$16.10	\$45,080.00
6.	3-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	1	Each	\$731.00	\$731.00	\$600.00	\$600.00	\$620.00	\$620.00
7.	6-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	6	Each	\$895.00	\$5,370.00	\$800.00	\$4,800.00	\$810.00	\$4,860.00
8.	12-Inch x 0.250-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Casing Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	120	L.F.	\$33.00	\$3,960.00	\$100.00	\$12,000.00	\$45.90	\$5,508.00
9.	Boring or Jacking for 12-Inch Steel Cover Pipe, Unclassified Excavation	120	L.F.	\$100.00	\$12,000.00	\$100.00	\$12,000.00	\$144.30	\$17,316.00
10.	Hydrant Assembly, Furnish and Install, Complete	6	Each	\$4,528.00	\$27,168.00	\$3,000.00	\$18,000.00	\$3,560.00	\$21,360.00
11.	Cut into Existing Line, Complete	1	Each	\$275.00	\$275.00	\$500.00	\$500.00	\$1,270.00	\$1,270.00
12.	Cut, Cap, and Block Existing 4-Inch Through 6-Inch Lines, Complete	8	Each	\$620.00	\$4,960.00	\$400.00	\$3,200.00	\$890.00	\$7,120.00
12a.	8-Inch x 6-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	1	Each	\$2,377.00	\$2,377.00	\$2,300.00	\$2,300.00	\$2,960.00	\$2,960.00

CONTRACT 371-10-01 PHASE 10 WATER LINE EXTENSIONS  
 (Revised July 11, 2013) PUMP STATION UPGRADE AND WATER LINE REHAB  
 ESTILL COUNTY WATER DISTRICT NO. 1  
 ESTILL COUNTY, KENTUCKY

We certify that the following is a true and complete tabulation of all bids received by Estill County Water District No. 1, Irvine, Kentucky, on July 18, 2013, for the titled project.

BELL ENGINEERING

Item No.	Item	Quantity	Unit	Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
13.	6-Inch x 6-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	5	Each	\$2,188.00	\$10,940.00	\$2,100.00	\$10,500.00	\$2,740.00	\$13,700.00
14.	Remove Existing Hydrants, Complete	6	Each	\$500.00	\$3,000.00	\$250.00	\$1,500.00	\$765.00	\$4,590.00
15.	6-Inch x 2-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	1	Each	\$989.00	\$989.00	\$900.00	\$900.00	\$1,350.00	\$1,350.00
16.	Fiberglass Line Marker, Furnish and Install, Complete	8	Each	\$43.00	\$344.00	\$80.00	\$640.00	\$83.90	\$671.20
17.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	140	Ton	\$26.00	\$3,640.00	\$21.00	\$2,940.00	\$64.20	\$8,988.00
18.	Extra for #3 Channel Liner Stone, Only on Order of the Engineer	20	Ton	\$28.00	\$560.00	\$21.00	\$420.00	\$47.00	\$940.00
19.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	900	L.F.	\$45.00	\$40,500.00	\$30.00	\$27,000.00	\$35.00	\$31,500.00
20.	4-Inch Thickness Concrete Driveway Replacement, Trench Width, Complete	50	L.F.	\$50.00	\$2,500.00	\$25.00	\$1,250.00	\$52.20	\$2,610.00
TOTAL DIVISION "F"					\$250,573.00		\$245,225.00		\$309,683.20
DIVISION "G" - STACY LANE LOOP CONNECTION									
1.	6-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	3,100	L.F.	\$14.40	\$44,640.00	\$20.00	\$62,000.00	\$19.40	\$60,140.00
2.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	350	L.F.	\$11.65	\$4,077.50	\$17.00	\$5,950.00	\$15.60	\$5,460.00
3.	2-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	50	L.F.	\$14.00	\$700.00	\$15.00	\$750.00	\$15.45	\$772.50
4.	5/8-Inch x 3/4-Inch Meter Setting, Including New Meter, PRV, Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Complete	1	Each	\$958.00	\$958.00	\$900.00	\$900.00	\$1,060.00	\$1,060.00
4a.	5/8-Inch x 3/4-Inch Meter Setting, Including Using Existing Meter PRV, Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Complete	2	Each	\$754.00	\$1,508.00	\$675.00	\$1,350.00	\$950.00	\$1,900.00
5.	Reconnect to Existing Service Line, Including Exploration, Search, All Needed Fittings, and Cut/Cap/Block Existing Service Line, Complete	2	Each	\$117.00	\$234.00	\$100.00	\$200.00	\$415.00	\$830.00
6.	3/4-Inch or 1-Inch Polyethylene Service Pipe with PE Cover Pipe, Corporation Stop, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Copper Tracer Wire, Unclassified Excavation, Complete	120	L.F.	\$10.90	\$1,308.00	\$7.50	\$900.00	\$16.10	\$1,932.00
7.	6-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	1	Each	\$1,095.00	\$1,095.00	\$800.00	\$800.00	\$810.00	\$810.00
8.	2-Inch or 3-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	3	Each	\$700.00	\$2,100.00	\$600.00	\$1,800.00	\$655.00	\$1,965.00
9.	Hydrant Assembly, Furnish and Install, Complete	3	Each	\$4,538.00	\$13,614.00	\$3,000.00	\$9,000.00	\$3,560.00	\$10,680.00
9a.	Blow-Off/Flushing Hydrant Assembly, Furnish and Install, Complete (Post Hydrant No. 2)	3	Each	\$1,875.00	\$5,625.00	\$2,500.00	\$7,500.00	\$2,215.00	\$6,645.00
10.	Cut, Cap and Block Existing Service Line or Existing 6-Inch, 2-Inch, and 1-1/2 Inch Line	6	Each	\$616.00	\$3,696.00	\$400.00	\$2,400.00	\$890.00	\$5,340.00
11.	6-Inch x 6-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	2	Each	\$2,205.00	\$4,410.00	\$2,100.00	\$4,200.00	\$2,960.00	\$5,920.00



BELL ENGINEERING

Item No.	Item	Quantity	Unit	Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
12.	Air Release Assembly, Furnish and Install, Complete	1	Each	\$1,094.00	\$1,094.00	\$675.00	\$675.00	\$1,100.00	\$1,100.00
13.	Remove Existing Blow-off and/or Hydrant Assembly, Complete	2	Each	\$200.00	\$400.00	\$250.00	\$500.00	\$765.00	\$1,530.00
14.	Fiberglass Line Marker, Furnish and Install, Complete	4	Each	\$43.00	\$172.00	\$80.00	\$320.00	\$83.90	\$335.60
15.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	30	Ton	\$26.00	\$780.00	\$21.00	\$630.00	\$64.20	\$1,926.00
16.	Extra for #3 Channel Liner, Stone, Only on Order of the Engineer	5	Ton	\$28.00	\$140.00	\$21.00	\$105.00	\$47.00	\$235.00
17.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	170	L.F.	\$45.00	\$7,650.00	\$30.00	\$5,100.00	\$35.00	\$5,950.00
18.	4-Inch Thickness Concrete Driveway Replacement, Trench Width, Complete	30	L.F.	\$50.00	\$1,500.00	\$25.00	\$750.00	\$52.20	\$1,566.00
TOTAL DIVISION "G"					\$95,701.50		\$105,830.00		\$116,097.10
DIVISION "H" - DRY BRANCH ROAD WATER BOOSTER PUMPING STATION									
Section 1									
For the complete construction as shown on plan sheets and specifications of a water booster station, complete, as specified and/or shown on the Drawings, including excavation, regrade, valves, telemetry, piping, site work, concrete work, crushed stone, security fence, gate, electrical and control work, and all other items of work necessary for a complete and functional facility;				L.S.	\$250,000.00	L.S.	\$218,800.00	L.S.	\$258,400.00
Subtotal Section 1					\$250,000.00		\$218,800.00		\$258,400.00
Section 2 - Existing Dry Branch Road Booster Pump Station (to be abandoned)									
For the complete installation of all piping, valves, backfill existing station, regrade, and all accessories to allow the Estill County Water District to abandon the existing station after the new/proposed pumping station has been accepted and in service for a minimum of 30 days, complete, as specified and/or shown on the Drawings, including excavation, site work, and regrade of items installed by the Contractor;				L.S.	\$14,084.00	L.S.	\$8,300.00	L.S.	\$11,500.00
Subtotal Section 2					\$14,084.00		\$8,300.00		\$11,500.00
TOTAL DIVISION "H," SECTIONS 1 AND 2					\$264,084.00		\$227,100.00		\$269,900.00
DIVISION "I" - DELETED									
DIVISION "J" - CROOKED CREEK LOOP CONNECTION ACROSS BIG ROUND MOUNTAIN									
1.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	3,500	L.F.	\$11.38	\$39,830.00	\$17.00	\$59,500.00	\$10.30	\$36,050.00
2.	5/8-Inch x 3/4-Inch Meter Setting, Including New Meter, PRV, Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Complete	2	Each	\$958.00	\$1,916.00	\$900.00	\$1,800.00	\$1,060.00	\$2,120.00
3.	3/4-Inch or 1-Inch Polyethylene Service Pipe with PE Cover Pipe, Corporation Stop, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Copper Tracer Wire, Unclassified Excavation, Complete	50	L.F.	\$10.70	\$535.00	\$10.00	\$500.00	\$16.10	\$805.00
4.	3-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	5	Each	\$731.00	\$3,655.00	\$600.00	\$3,000.00	\$620.00	\$3,100.00
5.	8-Inch x 0.188-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Casing Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	40	L.F.	\$37.00	\$1,480.00	\$100.00	\$4,000.00	\$37.45	\$1,498.00
6.	Boring or Jacking for 8-Inch Steel Cover Pipe, Unclassified Excavation	40	L.F.	\$80.00	\$3,200.00	\$100.00	\$4,000.00	\$116.60	\$4,664.00
7.	Cut into Existing 3-Inch PVC Main, Complete	2	Each	\$621.00	\$1,242.00	\$500.00	\$1,000.00	\$1,270.00	\$2,540.00

CONTRACT 371-10-01 PHASE 10 WATER LINE EXTENSIONS  
 (Revised July 11, 2013) PUMP STATION UPGRADE AND WATER LINE REHAB  
 ESTILL COUNTY WATER DISTRICT NO. 1  
 ESTILL COUNTY, KENTUCKY

We certify that the following is a true and complete tabulation of all bids received by Estill County Water District No. 1, Irvine, Kentucky, on July 18, 2013, for the titled project.

BELL ENGINEERING

Item No.	Item	Quantity	Unit	Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
8.	Air Release Assembly, Furnish and Install, Complete	3	Each	\$858.00	\$2,574.00	\$675.00	\$2,025.00	\$1,100.00	\$3,300.00
9.	Blow-Off/Flushing Hydrant, Complete (Post Hydrant No. 2)	1	Each	\$1,875.00	\$1,875.00	\$2,500.00	\$2,500.00	\$2,215.00	\$2,215.00
10.	Fiberglass Line Marker, Furnish and Install, Complete	8	Each	\$43.00	\$344.00	\$80.00	\$640.00	\$83.90	\$671.20
11.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	70	Ton	\$26.00	\$1,820.00	\$21.00	\$1,470.00	\$64.20	\$4,494.00
12.	Extra for #3 Channel Liner Stone, Only on Order of the Engineer	5	Ton	\$28.00	\$140.00	\$21.00	\$105.00	\$47.00	\$235.00
TOTAL DIVISION "J"					\$58,611.00		\$80,540.00		\$61,692.20
DIVISION "K" - RED LICK ROAD									
1.	6-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	7,000	L.F.	\$14.27	\$99,890.00	\$20.00	\$140,000.00	\$12.90	\$90,300.00
2.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	20	L.F.	\$11.20	\$224.00	\$15.00	\$300.00	\$9.40	\$188.00
3.	6-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	2	Each	\$895.00	\$1,790.00	\$800.00	\$1,600.00	\$810.00	\$1,620.00
4.	3-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	1	Each	\$731.00	\$731.00	\$600.00	\$600.00	\$620.00	\$620.00
5.	12-Inch x 0.250-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Casing Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	40	L.F.	\$43.50	\$1,740.00	\$100.00	\$4,000.00	\$45.90	\$1,836.00
6.	Boring or Jacking for 12-Inch Steel Cover Pipe, Unclassified Excavation	40	L.F.	\$100.00	\$4,000.00	\$100.00	\$4,000.00	\$144.30	\$5,772.00
7.	Hydrant Assembly, Furnish and Install, Complete	2	Each	\$4,538.00	\$9,076.00	\$3,000.00	\$6,000.00	\$3,560.00	\$7,120.00
8.	6-Inch x 6-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	1	Each	\$2,188.00	\$2,188.00	\$2,100.00	\$2,100.00	\$2,740.00	\$2,740.00
9.	Tie-in to Existing Line, Complete	1	Each	\$668.00	\$668.00	\$500.00	\$500.00	\$1,270.00	\$1,270.00
10.	Remove Existing Blow-off, Complete	1	Each	\$200.00	\$200.00	\$250.00	\$250.00	\$765.00	\$765.00
11.	Fiberglass Line Marker, Furnish and Install, Complete	8	Each	\$43.00	\$344.00	\$80.00	\$640.00	\$83.90	\$671.20
12.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	10	Ton	\$26.00	\$260.00	\$21.00	\$210.00	\$64.20	\$642.00
13.	Extra for #3 Channel Liner Stone, Only on Order of the Engineer	10	Ton	\$28.00	\$280.00	\$21.00	\$210.00	\$47.00	\$470.00
TOTAL DIVISION "K"					\$121,391.00		\$160,410.00		\$114,014.20
DIVISION "L" - PEA RIDGE ROAD TO KY 52 (STARTING AT CEMETERY ROAD)									
1.	8-Inch Polyethylene, Class 200 Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	160	L.F.	\$36.20	\$5,792.00	\$50.00	\$8,000.00	\$55.40	\$8,864.00
2.	6-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	4,600	L.F.	\$17.43	\$80,178.00	\$20.00	\$92,000.00	\$14.30	\$65,780.00
3.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	50	L.F.	\$16.50	\$825.00	\$17.00	\$850.00	\$10.80	\$540.00

CONTRACT 371-10-01 PHASE 10 WATER LINE EXTENSIONS  
 (Revised July 11, 2013) PUMP STATION UPGRADE AND WATER LINE REHAB  
 ESTILL COUNTY WATER DISTRICT NO. 1  
 ESTILL COUNTY, KENTUCKY

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BELL ENGINEERING

Item No.	Item	Quantity	Unit	Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
4.	5/8-Inch x 3/4-Inch Meter Setting, Including PRV, Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap, Exploration, Furnish and Install, Complete (Reuse Existing Meter)	9	Each	\$700.00	\$6,300.00	\$675.00	\$6,075.00	\$810.00	\$7,290.00
5.	Reconnect to Existing Service Line, Including Exploration, Search, All Needed Fittings, and Cut/Cap/Block Existing Service Line, Complete	11	Each	\$117.00	\$1,287.00	\$100.00	\$1,100.00	\$415.00	\$4,565.00
6.	3/4-Inch or 1-Inch Polyethylene Service Pipe with PE Cover Pipe, Corporation Stop, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Copper Tracer Wire, Unclassified Excavation, Complete	550	L.F.	\$10.70	\$5,885.00	\$7.50	\$4,125.00	\$16.10	\$8,855.00
7.	6-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	6	Each	\$895.00	\$5,370.00	\$800.00	\$4,800.00	\$810.00	\$4,860.00
8.	3-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	1	Each	\$731.00	\$731.00	\$600.00	\$600.00	\$620.00	\$620.00
9.	14-Inch x 0.250-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Casing Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	210	L.F.	\$71.00	\$14,910.00	\$100.00	\$21,000.00	\$54.10	\$11,361.00
10.	Boring or Jacking for 14-Inch Steel Cover Pipe, Unclassified Excavation	210	L.F.	\$100.00	\$21,000.00	\$100.00	\$21,000.00	\$153.60	\$32,256.00
11.	Hydrant Assembly, Furnish and Install, Complete	4	Each	\$4,538.00	\$18,152.00	\$3,000.00	\$12,000.00	\$3,560.00	\$14,240.00
12.	Cut, Cap, and Block Existing Line, Complete	2	Each	\$641.00	\$1,282.00	\$400.00	\$800.00	\$890.00	\$1,780.00
13.	6-Inch x 6-Inch Tapping Sleeve, Valve, Box, Concrete Collar, Complete	2	Each	\$2,187.00	\$4,374.00	\$2,100.00	\$4,200.00	\$2,740.00	\$5,480.00
14.	3-Inch x 3-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	1	Each	\$1,464.00	\$1,464.00	\$1,400.00	\$1,400.00	\$1,890.00	\$1,890.00
15.	Air Release Assembly, Furnish and Install, Complete	2	Each	\$933.00	\$1,866.00	\$675.00	\$1,350.00	\$1,100.00	\$2,200.00
16.	Test Meter Assembly, Complete	1	Each	\$1,208.00	\$1,208.00	\$1,200.00	\$1,200.00	\$2,400.00	\$2,400.00
17.	Fiberglass Line Marker, Furnish and Install, Complete	9	Each	\$43.00	\$387.00	\$80.00	\$720.00	\$83.90	\$755.10
18.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	20	Ton	\$26.00	\$520.00	\$21.00	\$420.00	\$64.20	\$1,284.00
19.	Extra for #3 Channel Liner Stone, Only on Order of the Engineer	20	Ton	\$28.00	\$560.00	\$21.00	\$420.00	\$47.00	\$940.00
20.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	45	L.F.	\$45.00	\$2,025.00	\$30.00	\$1,350.00	\$35.00	\$1,575.00
TOTAL DIVISION "L"					\$174,116.00		\$183,410.00		\$177,535.10
DIVISION "M" - BOOSTER CHLORINATION STATION AT EXISTING WATSON RIDGE WATER STORAGE TANK									
For the complete construction as shown on plan sheets and specifications of a booster chlorination station, complete, as specified and/or shown on the Drawings, including excavation, regrade, valves, piping, site work, concrete work, crushed stone, security fence, gate, electrical and control work, and all other items of work necessary for a complete and functional facility;									
				L.S.	\$92,220.00	L.S.	\$96,100.00	L.S.	\$113,300.00
TOTAL DIVISION "M"					\$92,220.00		\$96,100.00		\$113,300.00

CONTRACT 371-10-01 PHASE 10 WATER LINE EXTENSIONS  
 (Revised July 11, 2013) PUMP STATION UPGRADE AND WATER LINE REHAB  
 ESTILL COUNTY WATER DISTRICT NO. 1  
 ESTILL COUNTY, KENTUCKY

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BELL ENGINEERING

Item No.	Item	Quantity	Unit	Clay Pipeline, Inc. 70 Fox Hollow Road Manchester, Kentucky 40962		Cleary Construction, Inc. 2005 Edmonton Road Tompkinsville, Kentucky 42167		Kenney, Inc. P.O. Box 1305 Mt. Sterling, Kentucky 40353	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
ADDITIVE ALTERNATES: DO NOT INCLUDE IN TOTAL BASE BID									
ALTERNATE TO DIVISION "A" - WISEMANTOWN ROAD/KY 999, ON V.C. WHITT ROAD (SHEET 3)									
1.	3-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	700	L.F.	\$16.56	\$11,592.00	\$9.00	\$6,300.00	\$15.40	\$10,780.00
2.	5/8-Inch x 3/4-Inch Meter Setting, Including Meter PRV, Meter Yoke, Box, Cover, Corporate Stop, Saddle, Tap Exploration, Furnish and Install, Complete	9	Each	\$1,170.00	\$10,530.00	\$900.00	\$8,100.00	\$810.00	\$7,290.00
3.	Reconnect to Existing Service Line, Including Exploration, Search, All Needed Fittings, and Cut/Cap/Block Existing Service Line, Complete	9	Each	\$417.00	\$3,753.00	\$100.00	\$900.00	\$415.00	\$3,735.00
4.	3/4-Inch or 1-Inch Polyethylene Service Pipe with PE Cover Pipe, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Tracer Wire, Unclassified Excavation, Complete	300	L.F.	\$12.43	\$3,729.00	\$7.00	\$2,100.00	\$16.10	\$4,830.00
5.	Blow-Off/Flushing Assembly, Furnish and Install, Complete (Post Hydrant No. 2)	1	Each	\$2,575.00	\$2,575.00	\$2,500.00	\$2,500.00	\$2,215.00	\$2,215.00
6.	Cut, Cap, and Block Existing Line	1	Each	\$2,022.00	\$2,022.00	\$400.00	\$400.00	\$890.00	\$890.00
7.	6-Inch x 3-Inch Ductile Iron Tapping Sleeve, Valve, Box, Concrete Collar, Complete	1	Each	\$2,600.00	\$2,600.00	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00
8.	Fiberglass Line Marker, Furnish and Install, Complete	2	Each	\$44.00	\$88.00	\$100.00	\$200.00	\$83.90	\$167.80
9.	Crushed Rock on Trench Surface (_____ L.F. x 225/2000 lbs = _____ Tons)	35	Ton	\$36.00	\$1,260.00	\$21.00	\$735.00	\$64.20	\$2,247.00
10.	Extra for #3 Channel Liner Stone, Only on Order of the Engineer	25	Ton	\$37.50	\$937.50	\$21.00	\$525.00	\$47.00	\$1,175.00
11.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	20	L.F.	\$85.00	\$1,700.00	\$30.00	\$600.00	\$35.00	\$700.00
12.	4-Inch Thickness Concrete Driveway Replacement, Trench Width, Complete	15	L.F.	\$91.00	\$1,365.00	\$25.00	\$375.00	\$52.20	\$783.00
TOTAL ALTERNATE TO DIVISION "A"					\$42,151.50		\$24,735.00		\$37,312.80
ALTERNATE TO DIVISION "B" - DARK HOLLOW ROAD REHABILITATION (KY 52 TO GLEN FLOYD SERVICE LINE, SHEET 5)									
1.	4-Inch Class 250 (SDR 17) PVC Pipe, Furnishing, Trenching, Bedding, Laying, Backfilling, Fittings and Copper Tracer Wire, Unclassified Excavation, Complete	1,700	L.F.	\$17.07	\$29,019.00	\$10.00	\$17,000.00	\$14.80	\$25,160.00
2.	4-Inch Mechanical Joint Resilient Seated Gate Valve and Box, Including Concrete Valve Box Collar, Complete	2	Each	\$967.00	\$1,934.00	\$650.00	\$1,300.00	\$675.00	\$1,350.00
3.	10-Inch x 0.250-Inch Steel Cover Pipe, Including Loading Carrier Pipe, Casing Spacers and End Seals, Furnish and Install, Complete (by Open Cut or Boring)	80	L.F.	\$71.00	\$5,680.00	\$100.00	\$8,000.00	\$45.50	\$3,640.00
4.	Boring or Jacking for 10-Inch Steel Cover Pipe, Unclassified Excavation	80	L.F.	\$120.00	\$9,600.00	\$100.00	\$8,000.00	\$132.00	\$10,560.00
5.	Blow-Off/Flushing Hydrant Assembly, Furnish and Install, Complete (Post Hydrant No. 2)	1	Each	\$2,623.00	\$2,623.00	\$2,500.00	\$2,500.00	\$2,215.00	\$2,215.00
6.	8-Inch x 4-Inch Ductile Iron Tapping Sleeve, Valve, Box, and Concrete Collar, Complete	1	Each	\$3,631.00	\$3,631.00	\$2,300.00	\$2,300.00	\$2,900.00	\$2,900.00
7.	5/8-Inch x 3/4-Inch Meter Setting, PRV, Meter Yoke, Box, Cover, Corporate Stop Saddle, Tap, Exploration, Furnish and Install, Complete (Reuse Existing Meter)	1	Each	\$971.00	\$971.00	\$675.00	\$675.00	\$810.00	\$810.00

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BELL ENGINEERING

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				Unit Price	Total	Unit Price	Total	Unit Price	Total
8.	Reconnect to Existing Service Line, Including Exploration, Search, All needed Fittings, and Cut/Cap/Block Existing Service Line, Complete	1	Each	\$317.00	\$317.00	\$100.00	\$100.00	\$415.00	\$415.00
9.	3/4-Inch, 1-Inch, or 2-Inch Polyethylene Service Pipe, with PE Cover Pipe, Corporation Stop, Furnishing, Trenching, Bedding, Laying and Backfilling, or by Jacking, Copper Tracer Wire, Unclassified Excavation, Complete	20	L.F.	\$13.00	\$260.00	\$7.00	\$140.00	\$16.10	\$322.00
10.	Fiberglass Line Marker, Furnish and Install, Complete	3	Each	\$44.00	\$132.00	\$100.00	\$300.00	\$83.90	\$251.70
11.	Crushed Rock on Trench Surface (..... L.F. x 225/2000 lbs = ..... Tons)	15	Ton	\$36.00	\$540.00	\$21.00	\$315.00	\$64.20	\$963.00
12.	2-Inch Thickness Bituminous Surface Replacement, Trench Width, on Drives and Roads, Complete	15	L.F.	\$85.00	\$1,275.00	\$30.00	\$450.00	\$35.00	\$525.00
TOTAL ALTERNATE TO DIVISION "B"					\$55,982.00		\$41,080.00		\$49,111.70
<b>SUMMARY</b>									
ALTERNATE TO DIVISION "A" - WISEMANTOWN ROAD/KY 999, ON V.C. WHITT ROAD					\$42,151.50		\$24,735.00		\$37,312.80
ALTERNATE TO DIVISION "B" - DARK HOLLOW ROAD REHABILITATION (KY 52 TO GLEN FLOYD SERVICE LINE, SHEET 5)					\$55,982.00		\$41,080.00		\$49,111.70
TOTAL ADDITIVE ALTERNATES					\$98,133.50		\$65,815.00		\$86,424.50

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				Unit Price	Total	Unit Price	Total	Unit Price	Total
<b>DIVISION "N" - DUG HILL ROAD WATER BOOSTER PUMPING STATION AND KNOB LICK TANK TELEMETRY</b>									
For the complete construction as shown on plan sheets and specifications of a water booster station, complete, as specified and/or shown on the Drawings, including excavation, regrade, valves, telemetry including Knob Lick Tank telemetry (sheet E5), piping, site work, concrete work, crushed stone, security fence, gate, electrical and control work, and all other items of work necessary for a complete and functional facility;									
				L.S.	\$243,000.00	L.S.	\$200,000.00	L.S.	\$205,100.00
	TOTAL DIVISION "N"				\$243,000.00		\$200,000.00		\$205,100.00
<b>DIVISION "O" - TELEMETRY UPGRADE, WATER DISTRICT OFFICE</b>									
For the telemetry upgrade at the Estill County Water District Central office, located at 76 Cedar Grove Road, Irvine, Kentucky, as shown and listed in the Contract Documents, Bid Specifications, Section 16915, for a complete and functional facility and system;									
				L.S.	\$32,000.00	L.S.	\$55,800.00	L.S.	\$34,400.00
	TOTAL DIVISION "O"				\$32,000.00		\$55,800.00		\$34,400.00
<b>SUMMARY</b>									
	DIVISION "A" - WISEMANTOWN ROAD, KY 499				\$724,492.00		\$725,690.00		\$868,241.60
	DIVISION "B" - DARK HOLLOW ROAD REHABILITATION (STA. 0+00 TO WISEMANTOWN ROAD)				\$123,589.00		\$148,520.00		\$161,962.60
	DIVISION "C" - DUG HILL ROAD				\$51,619.00		\$75,200.00		\$57,690.60
	DIVISION "D" - EDWARDS LANE				\$26,599.50		\$22,355.00		\$30,086.80
	DIVISION "E" - KY 89/DRY RIDGE ROAD CONNECTION				\$18,725.00		\$24,935.00		\$21,392.80
	DIVISION "F" - CEDAR GROVE ROAD REHABILITATION				\$250,573.00		\$245,225.00		\$309,683.20
	DIVISION "G" - STACY LANE LOOP CONNECTION				\$95,701.50		\$105,830.00		\$116,097.10
	DIVISION "H" - DRY BRANCH ROAD WATER BOOSTER PUMPING STATION				\$264,084.00		\$227,100.00		\$269,900.00
	DIVISION "I" - DELETED				xxxxxxxxxxxx		xxxxxxxxxxxx		xxxxxxxxxxxx
	DIVISION "J" - CROOKED CREEK LOOP CONNECTION ACROSS BIG ROUND MOUNTAIN				\$58,611.00		\$80,540.00		\$61,692.20
	DIVISION "K" - RED LICK ROAD				\$121,391.00		\$160,410.00		\$114,014.20
	DIVISION "L" - PEA RIDGE ROAD TO KY 52 (STARTING AT CEMETERY ROAD)				\$174,116.00		\$183,410.00		\$177,535.10
	DIVISION "M" - BOOSTER CHLORINATION STATION AT EXISTING WATSON RIDGE WATER STORAGE TANK				\$92,220.00		\$96,100.00		\$113,300.00
	DIVISION "N" - DUG HILL ROAD WATER BOOSTER PUMPING STATION AND KNOB LICK TANK TELEMETRY				\$243,000.00		\$200,000.00		\$205,100.00
	DIVISION "O" - TELEMETRY UPGRADE, WATER DISTRICT OFFICE				\$32,000.00		\$55,800.00		\$34,400.00
	<b>TOTAL BASE BID - CONTRACT 371-10-01</b>				<b>\$2,276,721.00</b>		<b>\$2,351,115.00</b>		<b>\$2,541,096.20</b>

**Appendix II**

**Current Rates and Charges**

**Proposed Rates and Charges**

ESTILL COUNTY WATER DISTRICT NO. 1  
July 2013

Current Rates and Charges

5/8"	Water Consumption				
	First	2,000	Gallons @	\$14.18	Minimum
	Next	3,000	Gallons @	\$6.80	Per 1,000 Gallons
	Next	5,000	Gallons @	\$6.63	Per 1,000 Gallons
	Over	10,000	Gallons @	\$4.91	Per 1,000 Gallons
1"	First	5,000	Gallons @	\$34.60	Minimum
	Next	5,000	Gallons @	\$6.63	Per 1,000 Gallons
	Over	10,000	Gallons @	\$4.91	Per 1,000 Gallons
2"	First	16,000	Gallons @	\$97.20	Per 1,000 Gallons
	Over	16,000	Gallons @	\$4.91	Per 1,000 Gallons
	Cobhill Surcharge			\$ 4.81	Per 1,000 Gallons



ESTILL COUNTY WATER DISTRICT NO. 1  
July 2013

Proposed Rates and Charges\*

5/8"	Water Consumption				
	First	2,000	Gallons @	\$ 16.44	Minimum
	Next	3,000	Gallons @	\$ 7.99	Per 1,000 Gallons
	Next	5,000	Gallons @	\$ 7.79	Per 1,000 Gallons
	Over	10,000	Gallons @	\$ 5.90	Per 1,000 Gallons
1"	First	5,000	Gallons @	\$ 40.41	Minimum
	Next	5,000	Gallons @	\$ 7.79	Per 1,000 Gallons
	Over	10,000	Gallons @	\$ 5.90	Per 1,000 Gallons
					Minimum
2"	First	16,000	Gallons @	\$ 114.76	Per 1,000 Gallons
	Over	16,000	Gallons @	\$ 5.90	Per 1,000 Gallons
	Cobhill Surcharge			\$ 4.81	Per 1,000 Gallons

\* Includes purchased water rate increase from \$2.288 per 1000 gallons to \$2.327 per 1000 gallons effective July 19, 2013.



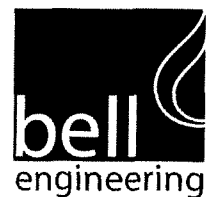
# **Preliminary Engineering Report**

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## **Phase 10 Water Line Extensions, Tank Improvements, and Water Line Replacement**

**Estill County Water District**

**Revised September 2010**

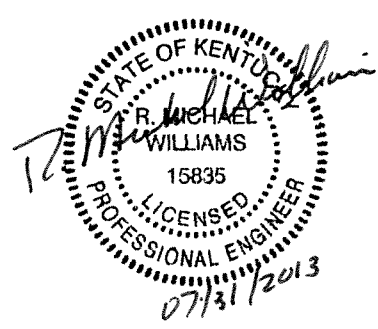


SEP 18 2010  
PUBLIC SERVICE  
COMMISSION

**Preliminary Engineering Report**  
**Phase 10**  
**Water Line Extensions, Tank Improvements, and Water Line Replacement**  
**Estill County Water District**  
**Revised September 2010**

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**Preliminary Engineering Report**  
**Phase 10**  
**Water Line Extensions, Tank Improvements, and Water Line Replacement**  
**Estill County Water District**

## **1. General**

The Estill County Water District (ECWD) is proposing to extend water service to provide improved pressure and water quality affecting over a thousand customers throughout the western portion of Estill County. The project will complete three loops, Red Lick, Crooked Creek and KY 89 at Wiseman Crossing. Deteriorated plastic and ductile iron water line will be replaced on Wisemantown, Pea Ridge, Dark Hollow and Cedar Grove roads. Replacement of these water lines will directly affect the water service for 157 customers and improve water service to the entire service area by reducing the unaccounted for water loss. New water lines will be constructed in the Dug Hill and Stacy Lane areas. A new pump station will be constructed on Knob Lick Road to provide addition pressure and service to the Knob Lick area. The Dry Branch pump station is in need of repair and will be replaced. Booster chlorination stations will be constructed to improve chlorine residual in the Watson tank area and for those customers that receive water from Jackson County.

## **2. Project Planning Area**

The ECWD service area covers the entire Estill County area with the exception of the City of Irvine east of the Kentucky River. The Wisemantown, Pea Ridge, Dark Hollow and Cedar Grove roads areas contain the most intensive work areas. System schematics, shown on the service area map, were developed from information received from the Bluegrass Area Development District and further refined from discussions with the ECWD staff.

## **3. Existing Facilities**

The ECWD distribution system is comprised of 2-inch (8.6 miles), 3 inch (40 miles), 4 inch (96 miles), 6 inch (205 miles ), 8 inch (3.5 miles), and 10 inch and 12 inch (less than 1 mile each) water lines. The ECWD has ten pump stations, including one hydro pneumatic station and nine water storage tanks. The nine Storage tanks have a combined storage volume of 1,231,000 gallons. The system is served from the Irvine Municipal Utilities master meters. The system provides water service to approximately 3,810 customers.

The distribution system is shown on Map #2. The ECWD is generally in good repair; however, some components installed when the system was much smaller are in need of upgrading while others are showing signs of wear because of many years of use.

Some components in the system (Wisemantown, Pea Ridge, Dark Hollow and Cedar Grove roads) have deteriorated ductile iron water pipes because of poor soil conditions, or have inappropriate PVC pipe with glued joints.

The ECWD is currently in compliance with all Federal and State Regulations regarding the sanitary features of the distribution system. In addition the ECWD is governed by the Public Service Commission, and they have no current violations of PSC regulations.

#### **4. Need for the Project**

Realization of the project will accomplish a number of health related and operational objectives. The loops will improve water quality by eliminating dead end lines and provide the additional advantage of increased reliability to area customers. The water lines that serve the new customers will eliminate the dependence on wells and cisterns. Many of the wells in the area are not dependable during periods of short rainfall and may contain pollutants from the many septic systems in the area. Two pump stations are scheduled to be replaced or upgraded in the project which will improve the reliability of the water supplies. One the pump stations to be replaced floods frequently and causes water outages for area residents.

Of particular concern to the water district, deteriorated plastic and ductile iron water lines need to be replaced on Wisemantown, Pea Ridge, Dark Hollow and Cedar Grove roads. These deteriorated lines result in water loss because of leaks and can result in health threats as a result of intrusion of contaminants into the distribution system.

A letter from the Estill County health department describing the need for the project is included in the Appendix.

#### **5. Alternatives Considered**

Design Criteria:

1. Provide water service to new customers
2. Provide more dependable water service to existing customers.
3. Provide improved water quality.

There are no reasonable alternatives to these projects if the residents are to be provided with water from a municipal source. Because of the terrain and close proximity of the ECWD distribution system to the potential customers, supply from another municipality would be impractical.

## 6. Proposed Project

The project has six components: water line extensions, rehabilitation of existing water line, water line loops upgrading, replacing pump and constructing booster pumping stations and adding booster chlorination stations.

### Water Line Extensions to New Customers

The Estill County Water District is proposing to improve water service to existing customers, provide improved pressure and water quality affecting over a thousand customers throughout the western portion of Estill County. The new water lines are listed in Table 1 below.

**Table 1**

Road Name	Length (ft.)	Line Size (in.)
Stacy Lane Extension	3,696	4
Dug Hill Road	3,500	4

## Water Line Loops

The project will complete three loops as listed in Table 2

**Table 2**

Road Name	Length (ft.)	Line Size (in.)
Red Lick	7,500	6
Crooked Creek	3,696	4
KY 89@wiseman Xing	500	4

## Rehabilitation of Existing Water Line

Deteriorated plastic and ductile iron water line will be replaced on Wisemantown, Pea Ridge, Dark Hollow and Cedar Grove roads and listed in Table 3

**Table 3**

Road Name	Length (ft.)	Line Size (in.)
US 52 (Wisemantown)	13,654	8
Doug Hill	1,800	4
Pea Ridge	3,600	6
Dark Hollow	4,000	4
Cedar Grove	5,500	6

## Constructing Booster Pumping Stations

A new pump station will be constructed on Knob Lick road to provide additional pressure and service to the Knob Lick area. The Dry Branch pump station is in need of repair and will be replaced.

## Booster Chlorination Stations

The Winston and Sand Hill tanks will be painted and a mixing system will be installed in the Winston tank. Booster chlorination stations will be construction to improved chlorine residual in the Watson tank area and for those customers that receive water from Jackson County.

## **7 Environmental Impacts**

There are no environmental impacts expected beyond the normal construction practices which will be governed by best management practices.

The project was also been submitted to the Kentucky clearing house, which is designated as the single point of contact pursuant to Presidential Executive Order 12372. The clearinghouse letter (SAI# KY20080103-0004) is included in Appendix A.

## **8 Land Requirements**

The project will be constructed on both County Road and State highway rights of way. A site must be acquired for one the new pump station.

## **9. Construction problems**

Construction problems are not anticipated for either the pump station or the water lines.



# Opinion of Probable Project Cost (Revised)

## Phase 10

### Water Line Extensions, Tank Improvements, and Water Line replacement Estill County Water District

Item Number	Item	Quantity	Unit	Unit Price	Total
<b>Water Line Rehabilitation</b>					
1	8" Water Line	13,654	L.F.	\$20	\$273,000
2	6" Water Line	9,100	L.F.	\$18	\$164,000
3	4" Water Line	5,800	L.F.	\$17	\$99,000
4	Water Meters, Service Line	157	Each	\$1,800	\$283,000
5	Cut in	19	Each	\$2,000	\$38,000
6	Bore	500	L.F.	\$200	\$100,000
7	Valves	20	Each	\$900	\$18,000
8	Hydrants	20	Each	\$3,500	\$70,000
9	Crushed Stone, Bit Pavement	900	Ton	\$100	\$90,000
<b>New Water Line Construction</b>					
10	New 4" Water Line Complete	7,196	L.F.	\$17	\$122,000
<b>Pump Stations</b>					
11	Dry Branch--Replacement	1	Each	\$225,000	\$225,000
12	Knob Lick--New	1	Each	\$175,000	\$175,000
<b>Booster Chlorination</b>					
13	Jackson Booster Chlorination	1	Each	\$12,000	\$12,000
14	Watson Tank Booster Chlorination	1	Each	\$12,000	\$12,000
<b>Loop Connections</b>					
15	Red Lick	7500	L.F.	20	\$150,000
16	Crooked Creek	3696	L.F.	18	\$67,000
17	KY 89@wiseman Xing	500	L.F.	17	\$9,000
<b>Opinion of Probable Construction Costs</b>					<b>\$1,907,000</b>

## 11 Opinion of Probable Project Cost

Administration and Legal	\$20,000
Land Structure, ROW, permits	\$8,000
Planning	\$10,000
Engineering Fees Design/Bidding	\$118,000
Engineering Fees Construction	\$30,000
Engineering Fees RPR	\$90,000
Interest During Construction	\$10,000
Construction	\$1,907,000
Contingencies (10% of construction)	\$191,000
<b>Total Project Opinion of Probable Costs</b>	<b>\$2,384,000</b>

## 12 Possible Funding Scenario

RD Loan	\$1,668,800
RD Grant	\$715,200
<b>Total</b>	<b>\$2,384,000</b>

## 13 Annual Operating Budget

The annual operating budget will be included in the Summary Addendum.

## 14. Conclusion and Recommendations

The project has five components: water line extensions to new customers, rehabilitation of existing water lines, water line loops, upgrading and constructing booster pumping stations, and adding booster chlorination stations. Each of the components, when complete will improve or add service to customers of the ECWD service area. Rehabilitation of the deteriorated water lines will improve the system's water quality, improve system reliability by reducing water outages and reduce water loss. System reliability will also be enhanced by the new and upgraded pump stations.

Replacement of these water lines will directly affect the water service for 157 customers and improve water service to the entire service area by reducing the unaccounted for water loss. Improved water quality and chlorination residual are additional benefits of the project.

**Map #1**

**Estill County Water District Service Area**

**Map #2**

**Estill County Water District Distribution System**

**Map #3**

**Project Map**  
**Phase 10**  
**Water Line Extensions, Tank Improvements, and Water Line Replacement**  
**Estill County Water District**

**Appendix A**

**Kentucky State Clearinghouse Letter**



STEVEN L. BESHEAR  
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  
WWW.DLG.KY.GOV

TONY WILDER  
COMMISSIONER

March 12, 2010

Mr. Willis Jackson  
Bell Engineering  
354 Waller Avenue  
Lexington, KY 40504

**RE:** ECWD Phase 10 Water Line Extension, Tank Improvements, and Line Replacement  
WX21065004  
SAI# KY20100209-0171

Dear Mr. Jackson:

The Kentucky State Clearinghouse, which has been officially designated as the Commonwealth's Single Point of Contact (SPOC) pursuant to Presidential Executive Order 12372, has completed its evaluation of your proposal. The clearinghouse review of this proposal indicates there are no identifiable conflicts with any state or local plan, goal, or objective. Therefore, the State Clearinghouse recommends this project be approved for assistance by the cognizant federal agency.

Although the primary function of the State Single Point of Contact is to coordinate the state and local evaluation of your proposal, the Kentucky State Clearinghouse also utilizes this process to apprise the applicant of statutory and regulatory requirements or other types of information which could prove to be useful in the event the project is approved for assistance. Information of this nature, if any, concerning this particular proposal will be attached to this correspondence.

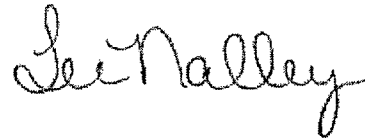
You should now continue with the application process prescribed by the appropriate funding agency. This process may include a detailed review by state agencies that have authority over specific types of projects.

This letter signifies only that the project has been processed through the State Single Point of Contact. It is neither a commitment of funds from this agency or any other state or federal agency.

**The results of this review are valid for one year from the date of this letter.**  
Continuation or renewal applications must be submitted to the State Clearinghouse annually. An application not submitted to the funding agency, or not approved within one year after completion of this review, must be re-submitted to receive a valid intergovernmental review.

If you have any questions regarding this letter, please feel free to contact my office at 502-573-2382.

Sincerely,

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

Lee Nalley  
Kentucky State Clearinghouse

Attachments



The Kentucky Housing Corporation has made the following advisory comment pertaining to State Application Identifier Number KY201002090171  
No comments.

The Natural Resources has made the following advisory comment pertaining to State Application Identifier Number KY201002090171

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or 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 and a new pump station. Prior approval must be obtained from the DOW before construction can begin.

The applicant must cite the State Application Identifier:  
SAI #KY201002090171 when submitting plans and specifications.

This project is consistent with the Estill 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 the proposed project is located in a floodplain area; therefore, a floodplain construction permit is required for this project.

This project is intended to extend water service to approximately 62 new customers, provide improved pressure and water quality affecting over a thousand customers throughout the western portion of Estill County. The project will complete three loops, Red Lick, Crooked Creek and KY 89 at Wiseman crossing. Deteriorated plastic and ductile iron water line will be replaced on Wisemantown, Pearidge, Dark Hollow and Cedar Grove roads. New water line will be constructed to serve 62 new customers on Middle fork, Old Landing, Leighton, Hargett-Parvin, Edwards, Church House, Congleton, Burton Williams, Searcy Branch, Sarvis, EK Power Lane, Billy fork, Betsy ridge, and Stacy Lane Extension. A new pump station will be constructed on Knob Lick road to provide additional pressure and service to the Knob Lick area. The Dry Branch pump station is in need of repair and will be replaced. The Ivory Hill pump station will be upgraded to increase the capacity. The Winston and Sand Hill tanks will be painted and a mixing system installed in the Winston tank. Booster chlorination stations will be construction to improved chlorine residual in the Watson tank area and for those customers that receive water from Jackson County. Completion of this project will result in improved services to 1,000 households. Completion of this project will result in new service to 62 households.

Water Infrastructure has no objections to the proposed project. Plans and specifications along with hydraulic analysis of the proposed project must be submitted to the Division of Water's Water Infrastructure Branch by a registered professional engineer in Kentucky. Applicant must receive a written approval from the Division of Water prior to the beginning of the construction.

Chlorine booster stations may need a Groundwater Protection Plan depending on the form of chlorine used.

Best management practices shall be used to reduce runoff from the project into adjacent streams.

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/](http://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.

The Bluegrass ADD has made the following advisory comment pertaining to State Application Identifier Number KY201002090171  
no comments

The Housing, Building, Construction has made the following advisory comment pertaining to State Application Identifier Number KY201002090171  
no comment

The Labor Cabinet has made the following advisory comment pertaining to State Application Identifier Number KY201002090171

PW RATES MAY APPLY-CONTACT KY LABOR CABINET AT 502 564 3534

The Fish & Wildlife has made the following advisory comment pertaining to State Application Identifier Number KY201002090171

We request that you coordinate the proposed project with the U. S. Fish & Wildlife Service Kentucky Field Office at 502-695-0468 to address potential impacts to Federally Listed Threatened/Endangered Species. The U. S. Fish & Wildlife Service will be able to help in the development of a plan to minimize impacts to federally listed species during construction of the proposed project.

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.

The Health and Family Services has made the following advisory comment pertaining to State Application Identifier Number KY201002090171

The Cabinet for Health and Family Services supports this grant application project, and would encourage the project coordinators, to the extent possible or necessary, to coordinate their local-regional project activities with the public health resources in the region.

The Heritage Council has made the following advisory comment pertaining to State Application Identifier Number KY201002090171

The applicant must ensure compliance with the Advisory Council on Historic Preservation's Rules and Regulations for the Protection of Historic and Cultural Properties (36CRF, Part 800) pursuant to the National Historic Preservation Act of 1966, the National Environmental Policy Act of 1969, and Executive Order 11593.

Existing lines and infrastructure within or adjacent to the right-of-way do not require an archaeological survey; however, the lines and infrastructure outside of or not adjacent to the right-of-way must be surveyed by a professional archaeologist to determine if sites eligible for listing in the National Register of Historic Places will be affected by the undertaking. Where a given project area or portions thereof have been disturbed by prior construction, the applicant may file documentation of that disturbance with the State Historic Preservation Officer and may request an opinion concerning the need of an archaeological survey (note: farming does not constitute disturbance). The State Historic Preservation Officer must review and approve the survey report.

If you have any questions, please contact Philip Mink at 502-564-7005, extension 140

The Transportation has made the following advisory comment pertaining to State Application Identifier Number KY201002090171

**Blackburn (D 10), Jason:**

**Applicant must obtain proper Encroachment Permit from Department of Highways. This includes Entrance permits to any new structures built along state roads.**

**Appendix B**

**Estill County Health Department Letter**



ESTILL COUNTY HEALTH DEPARTMENT  
P.O. BOX 115 / 365 RIVER DRIVE  
IRVINE, KY 40336  
PHONE: 606-723-5181 FAX: 606-723-5254

March 15, 2010

Wallace Taylor  
Estill Co. Judge Executive  
130 Main St. / Rm. 102  
Irvine, Kentucky 40336

Dear Judge Taylor:

This letter is in support of the Estill Water District's proposal to extend and replace municipal water lines in Estill County. In recent years Estill Water District has had many "Boil Water Advisories" due to either aged lines leaking or breaking or undersized lines to areas with increased population growth that simply can't support the water use demand. There is a great public health need to replace these inadequate municipal water supply lines to prevent possible contamination and water borne illnesses in our community.

The areas slated for water line extensions are areas that are underserved or not served at all. The homes in these areas currently rely on springs, wells or cisterns for their potable water use and consumption. Most of these private sources are compromised and contaminated. A municipal water supply to these homes is much needed to prevent any disease or illness that may be attributed to poor water quality.

The health department supports any effort to move these projects forward.

Respectfully,

Kenny W. Cole, R.S.  
Environmental Health Specialist III  
Estill Co. Health Department

**CASE NO: 2013-00339**

**CONTAINS**

**LARGE OR OVERSIZED**

**MAP(S)**

**RECEIVED ON: September 10, 2013**