REED LAW OFFICE

HENRY M. REED III 2218 FRANKFORT AVENUE LOUISVILLE, KENTUCKY 40206-2408

(502) 899-3880 FAX (502) 899-3882 E-MAIL: hankreed@bellsouth.net

July 29, 2009

RE VED

JUL \$ 0 2009

PUBLIC SERVICE COMMISSION

Mr. Jeff R. Derouen Executive Director Public Service Commission 211 Sower Boulevard P.O. Box 615 Frankfort, Kentucky 40602

2009-0032

In re: Application of Adair County Water District

Mr. Derouen:

Enclosed herewith please find ten (10) copies of the Petition of the Adair County Water District seeking a Certificate of Public Convenience and necessity with appropriate Exhibits.

The Petition also seeks an increase in the District's water rates.

Monarch Engineering, Inc., Lawrenceburg, Kentucky is the Consulting Engineers employed by the District for this Project. You are respectfully requested to direct any requests of the Commission for additional engineering information directly to Monarch Engineering, Inc.

If this office can supply any additional information please don't hesitate to advise me.

incerely yours, Un

HENRY M. REED III

cc: Mr. David M. Bowles, P.E. Monarch Engineering, Inc. 556 Carlton Dr. Lawrenceburg, Kentucky 40342

> Mr. Lennon Stone Superintendent Adair County Water District P.O. Box 567 Columbia, Kentucky 42728

Mr. Kevin Antle District Loan Manager US Department of Agriculture, Rural Development 957 Campbellsville Road Columbia, Kentucky 42728

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IN THE MATTER OF THE APPLICATION OF THE ADAIR COUNTY WATER DISTRICT, A WATER DISTRICT ORGANIZED PURSUANT TO CHAPTER 74 OF THE KENTUCKY REVISED STATUTES, IN ADAIR COUNTY, KENTUCKY, FOR (1) A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY, AUTHORIZING AND PERMITTING SAID ADAIR WATER DISTRICT TO CONSTRUCT WATER DISTRIBUTION SYSTEM IMPROVEMENTS, CONSISTING OF THE CONSTRUCTION OF ADDITIONS DISTRICT'S AND IMPROVEMENTS TO THE WATER SYSTEM AND (2) THE APPROVAL OF THE PROPOSED PLAN OF FINANCING SAID IMPROVEMENTS.

CASE NO. 2009.00320

RECEIVED

JUL 3 0 2009 PUBLIC SERVICE COMMISSION

COMMONWEALTH OF KENTUCKY

Before the Public Service Commission In the Matter of the Application of Adair County Water District

Index to Application

- 1. Petition of Adair County Water District ("District") for Certificate of Public Convenience and Necessity.
- 2. Affidavit of Publication The Adair Progress Legal Notice Regarding the District's Intention to File with the Public Service Commission.
- 3. Letter of Conditions to District from United States of America, acting through the U.S. Department of Agriculture, Rural Development ("USDARD") dated October 20, 2008, Amended by Letter dated June 18, 2009.
- 4. Debt Service Schedule for \$1,100,000 USDARD Bond Loan.
- 5. Amending Water Rate Resolution.
- 6. Certificate of Chairman of District regarding compliance with Public Service Commission requirements.
- 7. Concurrence of USDARD in Award of Construction Contracts.
- 8. Preliminary Engineering Report prepared by Monarch Engineering, Inc., Lawrenceburg, Kentucky.
- 9. Final Engineering Report and all Engineering Data prepared by Monarch Engineering, Inc., Lawrenceburg, Kentucky

Prepared by Henry M. Reed III, Bond Counsel to District 2218 Frankfort Avenue, Louisville, Kentucky 40206 Phone: 502-899-3880, Fax: 502-899-3882 e-mail: hankreed@bellsouth.net

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

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IN THE MATTER OF THE APPLICATION OF THE ADAIR COUNTY WATER DISTRICT, A WATER DISTRICT ORGANIZED PURSUANT TO CHAPTER 74 OF THE KENTUCKY REVISED STATUTES, IN ADAIR COUNTY, KENTUCKY, FOR (1) A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY, AUTHORIZING AND PERMITTING SAID WATER DISTRICT TO CONSTRUCT WATER DISTRIBUTION SYSTEM IMPROVEMENTS, CONSISTING OF THE CONSTRUCTION OF ADDITIONS AND IMPROVEMENTS TO THE DISTRICT'S WATER SYSTEM AND (2) THE APPROVAL OF THE PROPOSED PLAN OF FINANCING SAID IMPROVEMENTS.

CASE NO. _____

PETITION

Pursuant to KRS 278.023, this Petition of the Adair County Water District ("District" or "Petitioner"), respectfully states:

That Petitioner is a Water District in Adair County, created and existing under and by virtue of Chapter
74 of the Kentucky Revised Statutes, pursuant to an Order of the County Court of said County, following the
requisite procedure prescribed in said Chapter 74.

2. That the Post Office address of said District is "Adair County Water District, Danny Downey, Chairman, P.O. Box 567, Columbia, Kentucky 42728".

3. That the formation of the District, its present tariff of rates, and the issuance of its outstanding long term indebtedness have been previously approved by Orders of the Public Service Commission of Kentucky ("PSC").

4. That the District seeks a Certificate of Public Convenience and Necessity approving the construction of additions and improvements to the District's Water System, consisting of (a) 35,000 linear feet of 12-inch water transmission main and appurtenances, (b) construction of a new booster pump station and (c) a new 1,000,000 gallon elevated water storage tank (the "Project" or "Bypass Project").

5. That subject to the approval of the Commission, the District proposes to finance the construction of the improvements identified above pursuant to the terms of a certain Letter of Conditions dated October 20, 2008, Amended by Letter dated June 18, 2009, from the United States Department of Agriculture, Rural Development ("USDARD") to the District, whereunder USDARD proposes to lend to the District at an interest rate of 2.75% per annum through the issuance of the District's Water Revenue Bonds, Series of 2009, the sum of approximately \$1,100,000 supplemented by a USDARD Grant in the amount of approximately \$608,000, a Kentucky General Assembly Grant in the amount of approximately \$292,000 and an Economic Development Administration ("EDA") Grant in the amount of approximately \$1,500,000.

6. That the District is required by USDARD to increase its schedule of rates and charges for water service in accordance with the District's Amended Water Rate Resolution as shown on the Exhibit Addendum attached to this Petition.

7. That the District has observed the appropriate legal procedure in employing Monarch Engineering, Inc., Lawrenceburg, Kentucky, to prepare the plans and specifications for the construction of the proposed Bypass Project. The plans and specifications as to said Bypass Project have been approved by the appropriate governmental agencies.

8. That the approval of the Public Service Commission is urgently required in order to enable the District to proceed to accept construction bids for the Bypass Project and proceed with the construction in order to provide for the needs of the District.

9. That there are attached to this Petition those Exhibits indicated in the Exhibit Addendum to this Petition which the Petitioner believes the Commission will find necessary in ruling on the requests set forth in this Petition pursuant to KRS 278.023 (including Preliminary and Final Engineering Reports).

WHEREFORE, Petitioner prays that the Public Service Commission of Kentucky grant to the Petitioner the following:

A. A Certificate of Public Convenience and Necessity, permitting the Petitioner District to construct the Bypass Project as described in the Engineers' Reports filed herewith as Exhibits in order to provide required water service to said District.

B. An Order approving the financing arrangements made by the District in the issuance of \$1,100,000 of its Water Revenue Bonds, at an interest rate not exceeding 2.75% per annum, to be supplemented by a USDARD Grant in the amount of approximately \$608,000, a Kentucky General Assembly Grant in the amount of approximately \$292,000 and an Economic Development Administration ("EDA") Grant in the amount of approximately \$1,500,000.

Dated at Columbia, Kentucky as of this $\mathcal{21}$ day of July, 2009.

ADAIR COUNTY WATER DISTRICT

Chairman

Henry M. Reed III, Bond Counsel 2218 Frankfort Avenue Louisville, Kentucky 40206

STATE OF KENTUCKY)
) SS
COUNTY OF ADAIR)

The undersigned, Danny Downey, being first duly sworn, deposes and states: That he is the Chairman of Adair County Water District of Adair County, Kentucky, Petitioner in the above Petition; that he has read the foregoing Petition 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 that as to those matters, he believes same to be true.

IN TESTIMONY WHEREOF, witness the signature of the undersigned on the 2/ day of July, 2009.

Danny Downey

Acknowledged before me by Danny Downey, Chairman of the Adair County Water District, on this $\frac{21}{2}$ day of July, 2009.

My Commission expires <u>9-23-2010</u> Notary Public, Kentucky

(Seal of Notary)

THE ADAIR PROGRESS

SDAY, JULY 9, 2009	11 1 2010 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	E ADAIR PROGRESS	PA
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	ns dated October 20, 2008,		
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	to the District through the is		
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3. In accordance with the	e Letter of Conditions, the Di	strict will be required	to
amend its existing water ra	ates and charges for the use a	nd services of the wat	er
distribution system for the	Qistrict customers currently in	effect, as follows:	
Gallonage Block	Existing Rate per Gallon	New Rates per Gallo	<u>n</u>
5/8"x3/4" Meter Size:			
First 2,000 gallons Next 3,000 gallons	\$14,85 Minimum Bill 5.70 per 1,000 gallons	\$15.35 Minimum Bil 5.75 per 1,000 gallor	
Next 5,000 gallons	4.95 per 1,000 gallons	5.00 per 1,000 gallor	
Next 15,000 gallons	3.85 per 1,000 gallons	3.90 per 1,000 gallor	
All Over 25,000 gallons	3.10 per 0.000 gallons	3.15 per 1,000 gallor	
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	al & Non-Residential Out-of-T	'own):	4.4
First 5,000 gallons	\$31.65 Minimum/Bill	\$32.60 Minimum Bil	
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Next 15,000 gallons	3.85 per 1,000 gallons	3.90 per 1,000 gallor	
All Over 25,000 gallons	3.10 per 1,000 gallons	3.15 per 1,000 gallor	1S
1.1/2" Meter Size (Non-F	Residential Out-of-Town):		
First 10,000 gallons	\$55.90 Minimum Bill	\$57.60 Minimum Bil	1
Next 15,000 gallons	3.85 per 1,000 gallons	3.90 per 1,000 gallor	
All Over 25,000 gallons	3.10 per 1,000 gallons	3.15 per 1,000 gallor	
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First 16,000 gallons	\$78.40 Minimum Bill	\$81.00 Minimum Bi	
Next 9,000 gallons	3.85 per 1,000 gallons	3.90 per 1,000 gallor	
All Over 25,000 gallons	3.10 per 1,000 gallons	3.15 per 1,000 gallor	1S
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anticipated that an Order	will be entered by the Puble the actual filing of the Petitio		on

NOTARIZED PROOF OF PUBLICATION

STATE OF KENTUCKY

COUNTY OF ADAIR

Before me, a Notary Public, in and for said County and State, this

15th day of JULY, 2009, came Donna Hancock, personally

known to me, who being duly sworn, states as follows:

That she is Publisher of The Adair Progress, and (Name of Publication)

that said publication of $\underbrace{JULY 9,2009}_{(Date)}$ carried the ADAIR COUNTY

WATER DISTRICT advertising for <u>ADAIR COUNTY WATER RATES.</u>

(Signature lotary Public) My Commission expires:





United States Department of Agriculture Rural Development Kentucky State Office

October 20, 2008

Larry Legg, Chairman Adair County Water District PO Box 567 Columbia, Kentucky 42728

Dear Mr. Legg:

This letter establishes conditions which must be understood and agreed to by you before further consideration may be given to the application. The loan/ 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/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 \$1,100,000; a RUS grant not to exceed \$608,000; a 2006 Kentucky General Assembly Grant in the amount of \$1,500,000; and an Economic Development Adminstration (EDA) grant of \$1,500,000. No applicant cash contribution will required.

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

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

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

If the conditions set forth in this letter are not met within 240 days from the date hereof, Rural Development reserves the right to discontinue the processing of the application.

In signing Form RD 1942-46, "Letter of Intent to Meet Conditions," you are agreeing to complete the following as expeditiously as possible:

771 Corporate Drive - Suite 200 - Lexingion, KY 40503 Phone: (659) 224-7306 - Fax. (859) 224-7444 - TDD: (859) 224-7422 - Web: http://www.rurdev.usde.gov/ky

Committed to the future of rural communities

"USDA is an equal opportunity provider, employer and lender To file a complaint of discrimination with USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or cell (800) 755-3337 (union) or (200) 700 (200) (750)

1. Number of Users and Their Contribution:

There shall be 5,772 water users, of which all are existing users. The Area Director will review and authenticate the number of users and amount of connection fees prior to advertising for construction bids

2. Grant Agreement:

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

3. Drug-Free Work Place:

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

4. <u>Repayment Period</u>:

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 (January 1st and July 1st) and principal will be due on or before the first of January. Rural Development may require the District to adopt a supplemental payment agreement providing for monthly payments of principal and interest so long as the bond is held or insured by RUS. Monthly payments will be approximate amortized installments.

5. <u>Recommended Repayment Method</u>:

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 SF 5510, "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 \$392 per month into a "Funded Depreciation Reserve Account" until the account reaches \$47,040. The deposits are to be resumed any time the account falls below the \$47,040.

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 \$725 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. <u>Organization</u>:

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, miscellancous 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) in accordance with subsection 1780.47 of RUS Instruction 1780.

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

Annual audits, budgets, and reports will be submitted to Rural Development.

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 \$395,000.
- 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. <u>Planning and Performing Development</u>:

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 210 days from this date, and prepare bid documents. The Area Director is prepared to furnish the necessary guide to follow so as to keep the project plans and documents within our guidelines and requirements. The

project should not be advertised for construction bids until all casements 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 minorityowned 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. <u>Section 504 of the Rehabilitation Act of 1973</u>:

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. <u>Civil Rights Act of 1964</u>:

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 <u>et seq.</u>) 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. <u>The Americans with Disabilities Act (ADA) of 1990</u>:

This Act (42 U.S.C. 12101 <u>ct seq.</u>) 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 <u>et seq.</u>) 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. <u>Closing Instructions</u>:

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 treatment plant and 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. <u>Commercial Interim Financing</u>:

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 \$100,000 at any time, the financial institution will secure the amount in excess of \$100,000 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 <u>each</u> payment estimate. <u>All bills and vouchers must be approved by Rural Development prior to payment by the District</u>.

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	\$ 3,784,000
Land and Rights	20,000
Legal and Administrative	25,000
Engineering	439,000
Interest	30,000
Environmental & Geo-Technical Study	30,000
Contingencies	380,000
TOTAL	\$ 4,708,000

Financing:

RUS Loan	\$	1,100,000
RUS Grant		608,000
EDA Grant		1,500,000
KY 2006 General Assembly	Grant	1.500,000
-	FOTAL \$	4,708,000

25. Commitment of Other Project Funds:

This Letter of Conditions is issued contingent upon a firm commitment being in effect prior to advertising for construction bids for the Economic Development Administration (EDA) grant in the amount of \$1,500,000, and for the Kentucky General Assembly Grant in the amount of \$1,500,000.

26. <u>Use of Remaining Project Funds</u>:

After providing for all authorized costs, any remaining project funds will be considered to be RUS/EDA/Kentucky General Assembly 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.

Page 9

Adair County Water District

27. 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.

28. 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 " Meters

First	2,000	gallons @ \$	15.35 Minimum Bill.
Next	3,000	gallons @ \$	5.75 per 1,000 gallons.
Next	5,000	gallons @\$	5.00 per 1,000 gallons.
Next	15,000	gallons @ \$	3.90 рет 1,000 gallons.
All Over	25,000	gallons @ \$	3.15 per 1,000 gallons.

Water rates will be at least: 1" Meters

First	5,000	gallons @ \$	32.60 Minimum Bill.
Next	5,000	gallons @ \$	5.00 per 1,000 gallons.
Next	15,000	gallons @ \$	3.90 per 1,000 gallons.
All Over	25,000	gallons @ \$	3.15 per 1,000 gallons.

Water rates will be at least: 1 1/2" Meters

First	10,000	gallons @ \$	57.60 Minimum Bill.
Next	15,000	gallons @ \$	3.90, - per 1,000 gallons.
All Over	25,000	gallons @ \$	3.15 per 1,000 gallons.

Water rates will be at least: 2" Meters

First	16,000	gallons @ \$	81.00 Minimum Bill.
Next	9,000	gallons @ \$	3.90 per 1,000 gallons.
All Over	25,000	gallons @ \$	3.15 per 1,000 gallons.

29. 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.

30. 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).

31. 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.

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

The Median Household Income (MHI) for the Adair County Water 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.

33. Mitigation Measures:

- A. The project shall be in compliance with all requirements noted in the Governor's Office for Local Development letter dated February 18, 2008, from Ms. Lee Nalley.
- B. The line design and construction shall be accomplished in a way that will leave flood plains and familand without effect after construction is complete. The Army Corps of Engineers Nationwide Permit No. 12 applies to all floodplain and wetland utility line construction.
- C. 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).
- D. The design and construction shall be in compliance with all local, state and federal environmental statutes, regulations and executive orders applicable to the project.
- E. Best Management Practices shall be incorporated into the project design, construction, and maintenance.

34. 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,

Kumoth Store **KENNETH SLONE**

State Director

Énclosures

 cc: Area Director - Columbia, Kentucky Lake Cumberland ADD – Russell Springs, Kentucky Henry M. Reed III - Louisville, Kentucky Marshall Loy - Columbia, Kentucky Monarch Engineering - Lawrenceburg, Kentucky PSC - ATTN: Dennis Jones - Frankfort, Kentucky



United States Department of Agriculture Rural Development Kentucky State Office

June 18, 2009

Larry Legg, Chairman Adair County Water District PO Box 567 Columbia, Kentucky 42728

Re: Letter of Conditions Dated October 20, 2008

Dear Mr. Legg:

This letter shall serve as Amendment No. 1 to the Letter of Conditions dated 10/20/08. The purpose of this amendment is to reduce the amount of 2006 Kentucky General Assembly Grant committed to the project and reduce the overall costs and financing of the project.

The Second Paragraph on Page 1 is revised to read as follows:

" This letter is not to be considered as loan and/or grant approval or as a representation as to the availability of funds. The docket may be completed on the basis of a RUS loan not to exceed \$1,100,000, a RUS grant not to exceed \$608,000, a 2006 Kentucky General Assembly Grant of \$292,000, and an Economic Development Administration (EDA) grant of \$1,500,000. No cash contribution will be required."

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

" 24. Cost of Facility:

Breakdown of Costs:

Development		\$ 2,843,000
Legal and Administrative		25,000
Engineering		323,500
Interest		30,000
Environmental & Geo-Technical Stud	dy	30,000
Contingencies		248,500
	TOTAL	\$ 3,500,000

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RUS Loan		\$ 1,100,000	
RUS Grant		608,000	
KY 2006 General Assembly Grant		292,000	
EDA Grant		<u>1,500,000</u>	
	TOTAL	\$ 3,500,000	"

Paragraph numbered "25" is revised to read as follows:

" 25. Commitment of Other Project Funds:

This Letter of Conditions is issued contingent upon a firm commitment being in effect prior to advertising for construction bids for the Economic Development Administration (EDA) grant in the amount of \$1,500,000, and for the Kentucky General Assembly Grant in the amount of \$292,000. "

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

Sincerely,

Vernon C. Brown VERNON C. BROWN Acting State Director

 cc: Area Director - Columbia, Kentucky Lake Cumberland ADD – Russell Springs, Kentucky Henry M. Reed III - Louisville, Kentucky Marshall Loy - Columbia, Kentucky Monarch Engineering - Lawrenceburg, Kentucky PSC - ATTN: Dennis Jones - Frankfort, Kentucky

BOND SCHEDULE, 11/25/2008

Name of Borrower: Adair County Water District			
Amount of Loan	1100000	Annual Interest Rate	0.0275
Number of Initial Interest Only Payments	2	Number of principal and/or Interest Payments	40
Payment Frequency	Annual	This is a split payment bond.	false
Principal Payment Units	100	Interest Payment Units	1

YEAR	PERIOD	NUMBER	PAYMENT	INTEREST	PRINCIPAL	BALANCE
2011	1	1	30250	30250	0	1100000
2012	1	2	30250	30250	0	1100000
2013]	3	47050	30250	16800	1083200
2014]	4	46988	29788	17200	1066000
2015	1	5	47015	29315	17700	1048300
2016]	6	47029	28829	18200	1030100
2017]	7	47028	28328	18700	1011400
2018]	8	47014	27814	19200	992200
2019]	9	46986	27286	19700	972500
2020	1	10	47044	26744	20300	952200
2021]	11	46986	26186	20800	931400
2022]	12	47014	25614	21400	910000
2023	1	13	47025	25025	22000	888000
2024	1	14	47020	24420	22600	865400
2025]	15	46999	23799	23200	842200
2026]	16	47061	23161	23900	818300
2027	1	17	47004	22504	24500	793800
2028	1	18	47030	21830	25200	768600
2029]	19	47037	21137	25900	742700
2030	1	20	47025	20425	26600	716100
2031]	21	46993	19693	27300	688800
2032]	22	47042	18942	28100	660700
2033]	23	47070	18170	28900	631800
2034]	24	47075	17375	29700	602100
2035	1	25	47058	16558	30500	571600
2036]	26	47019	15719	31300	540300
2037	1	27	47059	14859	32200	508100
2038]	28	47073	13973	33100	475000
2039]	29	47063	13063	34000	441000
2040]	30	47028	12128	34900	406100
2041]	31	47068	11168	35900	370200
2042	1	32	46981	10181	36800	333400
2043]	33	47069	9169	37900	295500
2044	1	34	47027	8127	38900	256600
2045	1	35	47057	7057	40000	216600
2046]	36	47057	5957	41100	175500
2047]	37	47027	4827	42200	133300
2048]	38	47066	3666	43400	89900
2049]	39	47073	2473	44600	45300
2050		40	46546	1246	45300	0
TOTALS		<u></u>	1847306	747306	1100000	

AMENDED WATER RATE RESOLUTION

A RESOLUTION OF THE BOARD OF WATER COMMISSIONERS OF ADAIR COUNTY WATER DISTRICT AMENDING RATES AND CHARGES FOR WATER SERVICE PROVIDED BY THE DISTRICT.

WHEREAS, Adair County Water District (the "District") is required to apply to the Kentucky Public Service Commission ("PSC") for a Certificate of Public Convenience and Necessity authorizing and permitting said District to construct water distribution system improvements (the "Bypass Project"), and,

WHEREAS, the District proposes to finance said Bypass Project through the issuance of \$1,100,000 of the

District's "Water Revenue Bonds, Series of 2009," (the "Bonds") by the issuance thereof to the United States

Department of Agriculture, Rural Development ("USDARD") supplemented by a USDARD Grant in the amount of

\$608,000 and a Kentucky General Assembly Grant in the amount of \$292,000 and an Economic Development

Administration ("EDA") Grant in the amount of \$1,500,000, and,

WHEREAS, the District will apply to the Kentucky Public Service Commission for a Certificate of Public

Convenience and Necessity and approval of a Schedule of Rates and Charges for water service in accordance with a

certain USDARD Letter of Conditions dated October 20, 2008, Amended by Letter of Conditions dated June 18,

2009, setting forth the conditions for the USDARD Loan:

NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED BY THE BOARD OF WATER

COMMISSIONERS OF THE ADAIR COUNTY WATER DISTRICT AS FOLLOWS:

1. That subject to PSC approval commencing with the billing period corresponding to the month of

September, 2009, the District's rates and charges for water service shall be as follows:

Gallonage Block	Existing Rate per G	allon New R	ates per Gallon
5/8" x 3/4" Meter Size:			
First 2,000 gallons	\$14.85 Minimum Bi	\$15.35	Minimum Bill
Next 3,000 gallons	5.70 per 1,000 gal		per 1,000 gallons
Next 5,000 gallons	4.95 per 1,000 gal		
Next 15,000 gallons	3.85 per 1,000 gal		
All Over 25,000 gallons	3.10 per 1,000 gal		
1" Meter Size (Residential & Non-Resid	ential Out-of-Town):		
First 5,000 gallons	\$31.65 Minimum Bi	\$32.60	Minimum Bill
Next 5,000 gallons	4.95 per 1,000 gal	lons 5.00	per 1,000 gallons
Next 15,000 gallons	3.85 per 1,000 gal		per 1,000 gallons
All Over 25,000 gallons	3.10 per 1,000 gal	lons 3.15	per 1,000 gallons
1 1/2" Meter Size (Non-Residential Out-	of-Town):		
First 10,000 gallons	\$55.90 Minimum Bi	\$57.60	Minimum Bill
Next 15,000 gallons	3.85 per 1,000 gal	lons 3.90	per 1,000 gallons
All Over 25,000 gallons	3.10 per 1,000 gal	lons 3.15	per 1,000 gallons
2" Meter Size (Non-Residential Out-of-Town):			
First 16,000 gallons	\$78.40 Minimum Bi	11 \$81.00	Minimum Bill
Next 9,000 gallons	3.85 per 1,000 gal	lons 3.90	per 1,000 gallons

All Over 25,000 gallons

3.10 per 1,000 gallons

3.15 per 1,000 gallons

2. That all other rates and charges not specifically mentioned herein shall remain as presently effective.

3. That all resolutions or parts thereof of the District in conflict with the provisions of this Resolution are

hereby repealed to the extent of such conflict.

4. That this Resolution shall become effective upon its adoption and the District's receipt of approval of the

Public Service Commission.

Passed and adopted this 9th day of July, 2009.

ADAIR COUNTY WATER DISTRICT Chairman

Attest:

Telaho Harris

CERTIFICATE

I, the undersigned, duly authorized and acting Secretary/Treasurer of the Adair County Water District hereby certify that the foregoing is a true and correct copy of an Amended Water Rate Resolution passed and adopted by the Board of Water Commissioners of the District by 5 voting for and 0 voting against said adoption, at a regular meeting held on the 9th day of July, 2009 at which a quorum was present and voting throughout said meeting.

Dated this 9th day of July, 2009.

ADAIR COUNTY WATER DISTRICT

Mittle Oficens Secretary/Treasurer

CERTIFICATION OF DISTRICT CHAIRMAN REGARDING COMPLIANCE WITH PUBLIC SERVICE COMMISSION REQUIREMENTS

The undersigned certifies that he is the duly authorized and acting Chairman of the Adair County Water District (the "District") which intends to file with the Public Service Commission of Kentucky ("PSC") a Petition seeking a Certificate of Public Convenience and Necessity in connection with the construction of additions and improvements to the District's water distribution system, consisting of (a) 35,000 linear feet of 12-inch water transmission main and appurtenances, (b) construction of a new booster pump station and (c) a new 1,000,000 gallon elevated water storage tank (the "Project" or "Bypass Project").

The undersigned has executed this Certificate in reliance upon information and advice of Monarch Engineering, Inc., Lawrenceburg, Kentucky (the "Engineers") which firm has been retained by the District to provide engineering services in connection with the Bypass Project.

The undersigned states that the proposed plans and specifications for the Bypass Project have been designed to meet the minimum construction and operating requirements established 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.

The undersigned states that all other State approvals or permits have been obtained.

The undersigned further certifies that the Bypass Project is to be financed through the issuance of (a) the District's Water Revenue Bonds, Series of 2009, in the principal amount of approximately \$1,100,000 (the "Bonds") which are to be sold to the United States of America, acting through the U.S. Department of Agriculture, Rural Development ("USDARD"), (b) a USDARD Grant in the amount of approximately \$608,000, (c) a Kentucky General Assembly Grant in the amount of approximately \$292,000 and (d) an Economic Development Administration ("EDA") Grant in the amount of approximately \$1,500,000.

Based upon the information supplied by the Engineers, it is estimated that construction of the Bypass Project will commence August 30, 2009 and be completed May 1, 2010.

Based upon the advice of the Engineers and USDARD, the undersigned has been advised that an increase in water rates will be required by the District, as existing rates are estimated to be insufficient to meet the expenses incident to the operation and maintenance of the District's water distribution system and pay and retire all of the District's outstanding Water Revenue Bonds.

Dated this 21 day of July, 2009.

ER DISTRICT

Danny Downey Chairman



United States Department of Agriculture Rural Development Kentucky State Office

June 25, 2009

SUBJECT: Adair County Water District Columbia Bypass Transmission Main and Tank Contract Award Concurrence

TO: Area Director Columbia, 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 on Contract 1, Garrison Construction Co., Inc., in the amount of \$1,413,143.00 and to the low bidder on Contract 2, Caldwell Tanks, Inc., in the amount of \$1,429,600.00.

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

Enderson **RNON BROWN**

VERNON BROWN Acting State Director Rural Development

cc: Monarch Engineering, Inc. Lawrenceburg, Kentucky

> Reed Law Office Louisville, Kentucky

> > 771 Corporate Drive • Suite 200 • Lexington, KY 40503 Phone: (859) 224-7300 • Fax: (859) 224-7425 • TDD: (859) 224-7422 • Web: http://www.rurdev.usda.gov/ky

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PRELIMINARY ENGINEERING REPORT COLUMBIA BYPASS WATER TRANSMISSION MAIN & WATER STORAGE TANK ADAIR COUNTY WATER DISTRICT ADAIR COUNTY, KENTUCKY

FEBRUARY 2008

PRELIMINARY ENGINEERING REPORT COLUMBIA BYPASS TRANSMISSION MAIN AND WATER STORAGE TANK ADAIR COUNTY WATER DISTRICT ADAIR COUNTY, KENTUCKY

I. <u>GENERAL</u>

This Preliminary Engineering Report is intended to analyze the proposed water system improvements that are being planned by the Adair County Water District which will improve water system pressure in the northeast portion of the service area and increase the volume of water storage. A new transmission water main is proposed to be constructed beginning at the Columbia / Adair County Industrial Park and extend along the new Columbia Bypass to Kentucky Highway 55 north of Columbia. In addition, a new booster pump station and 1,000,000 gallon elevated water storage tank will also be constructed near the interchange of Kentucky Highway 61 and Cumberland Parkway to serve the southern portion of Adair County.

II. PROJECT PLANNING AREA

The area to be affected by the construction will lie adjacent to present and new transportation routes and the new water storage tank will be constructed adjacent to the existing transportation routes. These areas are delineated on the attached maps. The topography of these areas is relatively flat and varies to gently rolling hills. The land use in this area is mainly agricultural with some light timber harvesting. Within the proposed service area there are no major commercial or industrial businesses expected.

The construction of the project will have a major impact upon the southern portion of the District's service area improving water pressures and volumes throughout the region. This area has experienced growth over the past twenty years since the first water lines were installed and the supply system is quickly approaching its capacity to provide an ample amount of water. The construction will also have a minor impact upon the entire water system operated by the District by relieving other portions of the water system from having to provide storage and supply to serve this area.

The communities that will be benefited will be the Southern portion of Adair County which will be the site of the new water storage tank and also the communities of Gadberry, Flatwood, Sparksville, Breeding, and all of the surrounding areas.

III. EXISTING FACILITIES

The Adair County Water District owns and operates the water distribution system that serves nearly the entire rural portion of Adair County. The District in conjunction with the Columbia/Adair County Water Commission produces the majority of its water supply to the entire rural portion of Adair County and to the City of Columbia. The District purchases a small portion of its water for resale from four suppliers which are the City of Columbia, City of Russell Springs, City of Jamestown, and the City of Campbellsville. Water Purchase contracts with each supplier have recently been updated and at present the Water District does not exceed the contracted amount. Over 95 percent of the rural portion of Adair County is served with potable water through the Water District's network of water distribution and transmission lines.

The Adair County Water District operates the water system through a Board of Commissioners, Manager, office personnel and field personnel. The Commissioners serve a four year term and they are appointed by the Adair County Fiscal Court.

IV. <u>NEED FOR THE PROJECT</u>

This project is intended to eliminate a potentially serious health hazard in the communities in which it will serve. The Water District provides potable water service to all of rural Adair County and in the southern portion of the county, water supply and water pressure has been measured in several locations to be just above the regulatory limits. This situation is due primarily to the growth in this area coupled with the need to provide a safe and ample supply of drinking water to all of the residences of Adair County. In the event water pressure is reduced to a level that is below the regulatory standard, the potential for a health hazard exists which could lead to an area wide illness. These minimum operating pressures are set by federal and state officials and are designed to provide a safe supply of potable water, but when these levels are exceeded the chance for an unsafe condition exists. In addition, violations of these parameters will result in mediation efforts on the part of the Water District to correct the situation.

The Adair County Water District is proposing to construct a 12-inch transmission main that would extend from the Columbia / Adair County Industrial Park and then along the new Columbia Bypass to Kentucky Highway 55 north of Columbia, and also to construct a new booster pump station and 1,000,000 gallon elevated water storage tank near the interchange of Kentucky Highway 61 and Cumberland Parkway.

V. <u>ALTERNATIVES CONSIDERED</u>

Based on the need for the continuation of the supply of potable water to the residents and small businesses in Adair County, the Adair County Water District is the only logical entity that can provide water service to the new service areas. The Kentucky Division of

Water and the Kentucky Public Service Commission regulate the District and also mandate that the operation of the system be in compliance with the applicable rules and regulations. The Water District is the only utility that has jurisdiction to provide the water service to the new users. Increasing the storage capacity and also the capability of the Water District to adequately transport water to its customers is a necessity and enforced by the regulatory agencies that regulate the operation of the Water District.

Alternatives considered for the 12-inch transmission main consisted of constructing a water transmission main through the City of Columbia in order to increase the volume of water that could be delivered to the District's service area. Also, the alternative to construct two new 500,000 gallon water storage tanks, one on the north side of Columbia and one on the south side of Columbia. Other routes were considered for the location of the transmission main but due to the new development of the new water treatment plant that is to be owned and operated by the Columbia / Adair County Water Commission, the proposed route was chosen.

VI. PROPOSED PROJECT

The proposed project consists of the installation of approximately 35,000 linear feet of 12-inch transmission water main and appurtenances and also the construction of a new water booster pump station and a new 1,000,000 gallon elevated water storage tank which will enhance the District's operation particularly in the southern portion of the service area. The water transmission main will be constructed of ductile iron material and it will extend from the Columbia / Adair County Industrial Park following the new Columbia Bypass to Kentucky Highway 55 north of Columbia.

An itemized cost estimate is included in this report and outlines all of the individual construction items along with their associated estimated unit costs. A summary cost estimate recaps all of the project costs and outlines the funding scheme for the project, which is also included in this report. The total cost of the expansion and improvements is estimated to be \$4,708,000 with funding being provided by a grant in the amount of \$854,000 from the USDA Rural Development Agency, a grant in the amount of \$1,500,000 from the Economic Development Authority and a grant in the amount of \$1,500,000 from the Kentucky General Assembly.

VII. CONCLUSIONS AND RECOMMENDATIONS

Based on the need for the Water District to maintain the required level of service in providing a potable water supply combined with the responsibility to transport water throughout the Adair County Water System, it is recommended that the Adair County Water District pursue the financial assistance as outlined above in order that these extensions and improvements can be implemented. The Water District is the only major supplier of potable water within the rural areas of Adair County and their system is situated such that these extensions could be made without adversely affecting service to their other customers.

PRELIMINARY COST ESTIMATE WATER SYSTEM IMPROVEMENTS COLUMBIA BYPASS TRANSMISSION MAIN ADAIR COUNTY WATER DISTRICT SEPTEMBER 2007

BYPASS TRANSMISSION MAIN

				UNIT	TOTAL
ITEM	DESCRIPTION	QUANT	ITY	PRICE	COST
1	12-Inch DI CL 350 WL	35,000	LF	\$36.00	\$1,260,000.00
2	Bore & Case for 12-Inch Water Line	1,000	LF	200.00	200,000.00
3	Creek Crossing for 12-Incn Water Line	400	LF	100.00	40,000.00
4	12-Inch Gate Valve	16	LF	3,000.00	48,000.00
5	3-Way Flush Hydrant	16	LF	3,500.00	56,000.00
6	Air Release Valve	8	LF	2,500.00	20,000.00
7	Connection	7	LF	5,000.00	35,000.00
8	Master Meter	2	LF	15,000.00	30,000.00
9	Booster Pump Station	1	EA	200,000.00	200,000.00
	SUBTOTAL	\$1,889,000.00			
	CONTINGENCY	190,000.00			
	TOTAL CONSTRUCTION COST				\$2,079,000.00

PRELIMINARY COST ESTIMATE WATER SYSTEM IMPROVEMENTS COLUMBIA BYPASS WATER STORAGE TANK ADAIR COUNTY WATER DISTRICT SEPTEMBER 2007

1,000,000 GALLON TANK

ITEM			TOTAL
NO.	DESCRIPTION	QUANTITY	COST
1	Site Work	1 LS	\$80,000.00
2	Foundation	1 LS	200,000.00
3	Steel Riser Support	1 LS	550,000.00
4	Steel Bowl Reservoir	1 LS	610,000.00
5	Painting/Sterilization	1 LS	110,000.00
6	Piping	1 LS	150,000.00
7	Valve Vault	1 LS	100,000.00
8	Fencing	1 LS	25,000.00
9	Telemetry Control	1 LS	70,000.00
	SUBTOTAL		\$1,895,000.00
	CONTINGENCY		190,000.00
	TOTAL CONSTRUCTION COST		\$2,085,000.00

PRELIMINARY COST ESTIMATE WATER SYSTEM IMPROVEMENTS COLUMBIA BYPASS WATER SYSTEM IMPROVEMENTS ADAIR COUNTY WATER DISTRICT SEPTEMBER 2007

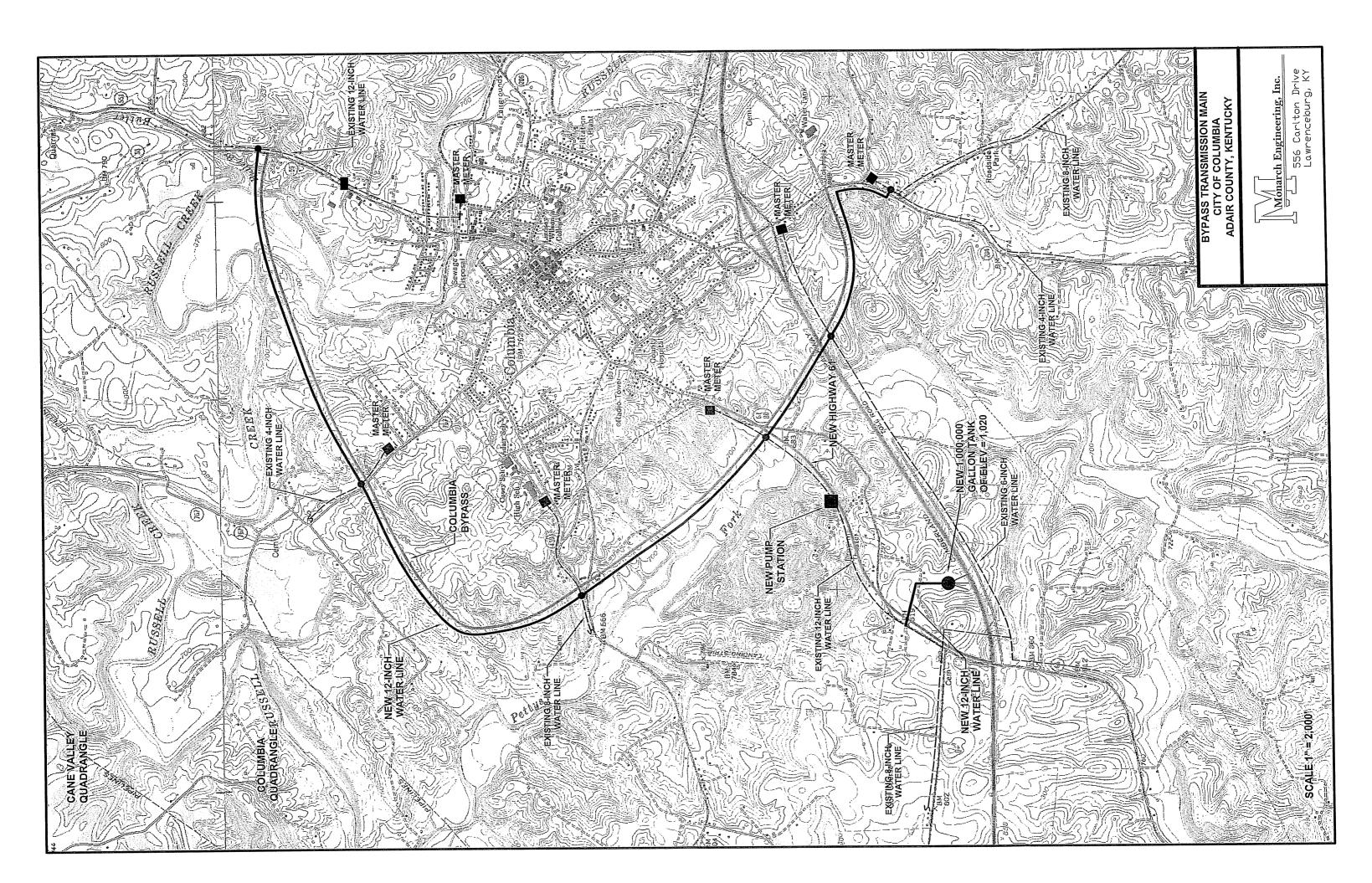
PROJECT COSTS

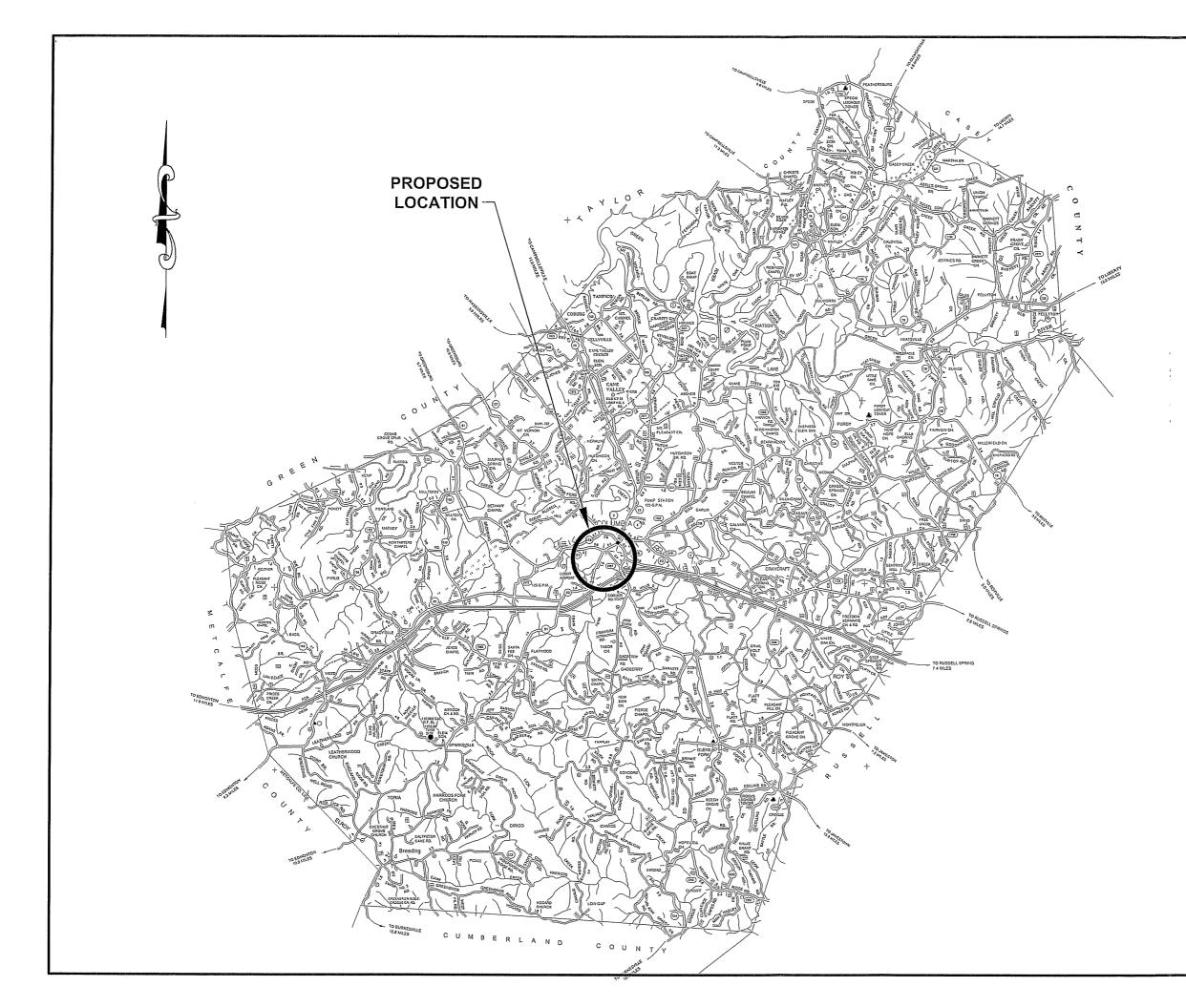
DEVELOPMENT	\$3,784,000
TRANSMISSION MAIN	1,889,000
STORAGE TANK	1,895,000
CONTINGENCY	380,000
ENGINEERING DESIGN	286,000
CONSTRUCTION INSPECTION	153,000
LAND & EASEMENT ACQUISITION	20,000
INTEREST	30,000
ENVIRONMENTAL ASSESSMENT	15,000
GEOTECHNICAL EXPLORATION	15,000
LEGAL	25,000
TOTAL PROJECT COSTS	\$4,708,000

PRELIMINARY COST ESTIMATE WATER SYSTEM IMPROVEMENTS COLUMBIA BYPASS WATER SYSTEM IMPROVEMENTS ADAIR COUNTY WATER DISTRICT SEPTEMBER 2007

PROJECT FINANCING

TOTAL PROJECT FINANCING	\$4,708,000
KENTUCKY GENERAL ASSEMBLY	1,500,000
RURAL DEVELOPMENT LOAN	854,000
RURAL DEVELOPMENT GRANT	854,000
ECONOMIC DEVELOPMENT AUTHORITY	1,500,000





PROJECT LOCATION MAP ADAIR COUNTY WATER DISTRICT



556 Carlton Drive Lawrenceburg, KY

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FINAL ENGINEERING REPORT

COLUMBIA BYPASS TRANSMISSION MAIN & 1,000,000 GALLON WATER STORAGE TANK

> ADAIR COUNTY WATER DISTRICT ADAIR COUNTY, KENTUCKY

> > JUNE 2009



June 15, 2009

Mr. Danny Downey, Chairman Adair County Water District P.O. Box 567 Columbia, KY 42728

Re: Columbia Bypass Transmission Main & Tank

Dear Mr. Downey:

On June 11, 2009, bids were received by the Adair County Water District for the construction of the Columbia Bypass Water Transmission Main and Water Storage Tank. Seven bids were received for the transmission main contract, with the lowest bid being submitted by Garrison Construction Co., Inc, located in Greensburg, KY, in the amount of \$1,413,143.00, and four bids were received for the one million gallon water storage tank contract, with the lowest bid being submitted by Caldwell Tanks, Inc., located in Louisville, KY, in the amount of \$1,429,600.00. The sum of both low bids is an amount of \$2,842,743.00. A summarized bid tabulation of all bids received and the Final Project Budget is attached.

According to the information shown on the Final Project Budget, there are sufficient funds available to construct the project. These funds will be provided by the U.S. Department of Agriculture through their Rural Development program, the U.S. Economic Development Authority, and the Commonwealth of Kentucky as a result of action during the 2008 Kentucky General Assembly. Therefore we recommend that the Water District consider awarding a contract to Garrison Construction Co., Inc. in the amount of \$1,413,143.00 for the construction of the water transmission main and also to Caldwell Tanks, Inc, in the amount of \$1,429,600.00 for the construction of the water storage tank. This recommendation is contingent upon approval from the Rural Development Agency and the Kentucky Public Service Commission.

Should you need additional information, please advise.

Sincerely,

David M. Bowles, P.E.

/dmb

FINAL AS BID BUDGET COLUMBIA BYPASS TRANSMISSION MAIN & STORAGE TANK ADAIR COUNTY WATER DISTRICT ADAIR COUNTY , KENTUCKY JUNE 12, 2009

PROJECT COSTS

PHASE 1 DEVELOPMENT	
TRANSMISSION MAIN	\$1,413,143.00
WATER STORAGE TANK	1,429,600.00
CONTINGENCY	248,752.85
ENGINEERING DESIGN	207,235.96
CONSTRUCTION INSPECTION	116,268.19
INTEREST	30,000.00
ADDITIONAL ENGINEERING	30,000.00
LEGAL & ADMINSTRATIVE	25,000.00
TOTAL PROJECT COSTS	\$3,500,000.00

FINAL AS BID BUDGET COLUMBIA BYPASS TRANSMISSION MAIN & STORAGE TANK ADAIR COUNTY WATER DISTRICT ADAIR COUNTY , KENTUCKY JUNE 12, 2009

PROJECT FINANCING

USDA RURAL DEVELOPMENT GRANT \$1,100,000.00 USDA RURAL DEVELOPMENT LOAN 608,000.00 ECONOMIC DEVELOPMENT AUTHRITY 1,500,000.00 2006 GENERAL ASSEMBLY 292,000.00

TOTAL PROJECT FINANCING

\$3,500,000.00

MONARCH ENGINEERING, INC.

556 Carlton Drive Lawrenceburg, KY 40342

Phone (502) 839-1310 Fax (502) 839-1373

BID TABULATIONS ADAIR COUNTY WATER DISTRICT COLUMBIA BYPASS WATER TRANSMISSION MAIN ADAIR COUNTY, KENTUCKY BID DATE: JUNE 11, 2009 @ 2:00 P.M. LOCAL TIME

		6960 Greensburg Rd. Greensburg, KY 42743		Stotts Constructi P.O. Box 1689 Columbia, KY 423	728	Cleary Construction, Inc. 2006 Edmonton Rd. Tompkinsville, KY 42167		
ITEM			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL COST
NO.	DESCRIPTION	QUANTITY	PRICE	COST	PRICE	COST	PRICE	0051
	BASE BID							<u> </u>
1	12-Inch Ductile Iron Water Line	25,760 LF	\$27.80	\$716,128.00	\$34.90	\$899,024.00	\$32.00	\$824,320.00
2	River Crossing for 12-Inch WL	300 LF	177.00	53,100.00	153.00	45,900.00	250.00	75,000.00
3	8-Inch PVC SDR 21 Water Line	200 LF	9.35	1,870.00	10.00	2,000.00	14.00	2,800.00
4	6-Inch PVC SDR 21 Water Line	1,600 LF	6.50	10,400.00	10.00	16,000.00	11.00	17,600.00
5	4-Inch PVC SDR 21 Water Line	100 LF	5.25	525.00	7.00	700.00	11.00	1,100.00
6	3-Inch PVC SDR 21 Water Line	100 LF	4.90	490.00	7.00	700.00	11.00	1,100.00
7	2-Inch PVC SDR 21 Water Line	100 LF	4.55	455.00	7.00	700.00	14.00	1,400.00
8	Bore & Case for 12-Inch Water Line	1,110 LF	200.00	222,000.00	145.00	160,950.00	150.00	166,500.00
9	Open Cut & Case for 12-Inch WL	200 LF	60.00	12,000.00	50.00	10,000.00	82.00	16,400.00
10	Creek Crossing for 12-Inch WL	70 LF	65.00	4,550.00	70.00	4,900.00	61.00	4,270.00
11	12-Inch Gate Valve	19 EA	1,965.00	37,335.00	2,000.00	38,000.00	1,900.00	36,100.00
12	8-Inch Gate Valve	1 EA	1,260.00	1,260.00	1,400.00	1,400.00	1,245.00	1,245.00
13	6-Inch Gate Valve	5 EA	865.00	4,325.00	1,170.00	5,850.00	860.00	4,300.00
14	4-Inch Gate Valve	1 EA	680.00	680.00	750.00	750.00	700.00	700.00
	3-Inch Gate Valve	1 EA	620.00	620.00	725.00	725.00	630.00	630.00
16	2-inch Gate Valve	1 EA	520.00	520.00	550.00	550.00	530.00	530.00
17	Flush Hydrant	12 EA	3,275.00	39,300.00	3,100.00	37,200.00	3,125.00	37,500.00
§	Air Release Valve	9 EA	3,475.00	31,275.00	1,500.00	13,500.00	2,640.00	23,760.00
Ě	Mater Meter/Control Valve	1 EA	119,950.00	119,950.00	115,000.00	115,000.00	124,000.00	124,000.00
20	12-Inch Master Meter	1 EA	41,665.00	41,665.00	40,000.00	40,000.00	49,000.00	49,000.00
21	4-Inch Master Meter	1 EA	22,955.00	22,955.00	22,000.00	22,000.00	28,000.00	28,000.00
22	3-Inch Master Meter	4 EA	19,625.00	78,500.00	20,000.00	80,000.00	25,000.00	100,000.00
23	Connection No. 1	1 EA	975.00	975.00	1,000.00	1,000.00	2,500.00	2,500.00
24	Connection No. 2	1 EA	1,860.00	1,860.00	2,300.00	2,300.00	4,500.00	4,500.00
25	Connection No. 3	1 EA	1,860.00	1,860.00	2,000.00	2,000.00	4,500.00	4,500.00
26	Connection No. 4	1 EA	620.00	620.00	1,800.00	1,800.00	1,400.00	1,400.00
27	Connection No. 5	1 EA	975.00	975.00	1,000.00	1,000.00	2,000.00	2,000.00
28	Connection No. 6	1 EA	1,185.00	1,185.00	1,900.00	1,900.00	3,500.00	3,500.00
20	Connection No. 7	1 EA	900.00	900.00	1,200.00	1,200.00	2,800.00	2,800.00
30	Connection No.8 WHELLIN	1 EA	900.00	900.00	1,000.00	1,000.00	3,000.00	3,000.00
31	Connection No. 9	1 EA	1,860.00	1,860.00	2,000.00	2,000.00	3,500.00	3,500.00
32	Connection No. 10	1 EA	2,105.00	2,105.00	2,500.00	2,500.00		5,000.00
				\$1,413,143.00		\$1,512,549.00		\$1,548,955.00

THE ABOVE IS A TRUE ANBORD MELETE TABULATION OF BIDS RECEIVED AT 2:00P.M. LOCAL TIME, THURSDAY, JUNE 11, 2009 AT THE ADAIR

1548.3 BY: Project No. 0851

HIIMIN

(₃ 9) DATE

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MONARCH ENGINEERING, INC.

556 Carlton Drive

Lawrenceburg, KY 40342

Phone (502) 839-1310

Fax (502) 839-1373

BID TABULATIONS ADAIR COUNTY WATER DISTRICT COLUMBIA BYPASS WATER TRANSMISSION MAIN ADAIR COUNTY, KENTUCKY BID DATE: JUNE 11, 2009 @ 2:00 P.M. LOCAL TIME

Fax (502) 839-1373 BID DA			Twin States Utilities, Inc.		e, Inc.	Scott & Ritter, Inc.			
			P.O. Box 14		808 West Main St		P.O. Box 749		
		Mt. Hermon, KY 4	12157	Campbellsville, K		Bowling Green, KY 42102-0749			
			TOTAL	UNIT	TOTAL	UNIT	TOTAL		
ITEM	DECODIDITION	QUANTITY	UNIT PRICE	COST	PRICE	COST	PRICE	COST	
NO.	DESCRIPTION	QUANTIT	PRICE	0001			The second se		
1	BASE BID	05 700 1 5	¢00.00	\$850,080.00	\$31.50	\$811,440.00	\$33.89	\$873,006.40	
*	12-Inch Ductile Iron Water Line	25,760 LF	\$33.00	63,900.00	300.00	90,000.00	177.85	53,355.00	
1	River Crossing for 12-Inch WL	300 LF	213.00	3,800.00	20.00	4,000.00	26,60	5,320.00	
1	8-Inch PVC SDR 21 Water Line	200 LF	19.00		10.00	16,000.00	22.80	36,480.00	
	6-Inch PVC SDR 21 Water Line	1,600 LF	17.00	27,200.00	10.00	1,000.00	9.50	950.00	
-	4-Inch PVC SDR 21 Water Line	100 LF	16.00	1,600.00	10.00	1,000.00	10.45	1,045.00	
1	3-Inch PVC SDR 21 Water Line	100 LF	15.00	1,500.00	10.00	1,000.00	10.90	1,090.00	
	2-Inch PVC SDR 21 Water Line	100 LF	14.00	1,400.00 183,150.00	220.00	244,200.00	288.60	320,346.00	
	Bore & Case for 12-Inch Water Line	1,110 LF	165.00		100.00	20,000.00	109.05	21,810.00	
9	Open Cut & Case for 12-Inch WL	200 LF	50.00	10,000.00	200.00	14,000.00	95.00	6,650.00	
10	Creek Crossing for 12-Inch WL	70 LF	120.00	8,400.00	2,200.00	41,800.00	1,630.00	30,970.00	
11	12-Inch Gate Valve	19 EA	2,680.00	50,920.00	1,400.00	1,400.00	1,110.00	1,110.00	
1	8-Inch Gate Valve	1 EA	1,600.00	1,600.00	850.00	4,250.00	735.00	3,675.00	
1	6-Inch Gate Valve	5 EA	1,430.00	7,150.00	650.00	650.00	580.00	580.00	
	4-Inch Gate Valve	1 EA	1,000.00	1,000.00	650.00	650.00	550.00	550.00	
	3-Inch Gate Valve	1 EA	980.00	980.00	500.00	500.00	350.00	350.00	
16	2-inch Gate Valve	1 EA	660.00	660.00	3,400.00	40,800.00	2,765.00	33,180.00	
	Flush Hydrant	12 EA	3,200.00	38,400.00	1,500.00	13,500.00	2,615.00	23,535.00	
18	Air Release Valve	9 EA	3,500.00	31,500.00		120,000.00	146,850.00	146,850.00	
19	Mater Meter/Control Valve	1 EA	135,000.00	135,000.00	120,000.00	80,000.00	43,055.00	43,055.00	
20	12-Inch Master Meter	1 EA	50,000.00	50,000.00	80,000.00	35,000.00	21,820.00	21,820.00	
21	4-Inch Master Meter	1 EA	32,000.00	32,000.00	35,000.00	120,000.00	19,950.00	79,800.00	
22	3-Inch Master Meter	4 EA	30,000.00	120,000.00	30,000.00	1,500.00	1,490.00	1,490.00	
23	Connection No. 1	1 EA	2,000.00	2,000.00	1,500.00	2,200.00	2,100.00	2,100.00	
24	Connection No. 2	1 EA	3,200.00	3,200.00	2,200.00	2,200.00	2,100.00	2,100.00	
25	Connection No. 3	1 EA	3,200.00	3,200.00	2,200.00	1,500.00	1,620.00	1,620.00	
26	Connection No. 4	1 EA	1,800.00	1,800.00	1,500.00	1,300.00		1,490.00	
27	Connection No. 5	1 EA	2,000.00	2,000.00	1,400.00	3,400.00		1,605.00	
28	Connection No. 6	1 EA	2,200.00	2,200.00	3,400.00	1,600.00		1,435.00	
29	Connection No. 7	1 EA	1,900.00	1,900.00	and the second se	1,800.00		1,435.00	
30	Connection No.8	1 EA	1,900.00	1,900.00	and the second se	2,200.00		2,095.00	
31	Connection No. 9	1 EA	3,200.00	3,200.00		4,500.00		3,070.00	
32	Connection No. 10	1 EA	4,000.00	4,000.00		\$1,682,890.00		\$1,723,967.40	
	TOTAL BASE BID			\$1,645,640.00		\$1,002,030.00			

MONARCH ENGINEERING, INC. 556 Carlton Drive Lawrenceburg, KY 40342 Phone (502) 839-1310 Fax (502) 839-1373

BID TABULATIONS ADAIR COUNTY WATER DISTRICT COLUMBIA BYPASS WATER TRANSMISSION MAIN ADAIR COUNTY, KENTUCKY BID DATE: JUNE 11, 2009 @ 2:00 P.M. LOCAL TIME

un (oo	2) 009-1070		Gary Clifford, Inc. 5114 New Jackson Hodgenville, KY 4	2748
ITEM			UNIT	TOTAL
NO.	DESCRIPTION	QUANTITY	PRICE	COST
	BASE BID			AL 000 000 00
1	12-Inch Ductile Iron Water Line	25,760 LF		\$1,028,339.20
2	River Crossing for 12-Inch WL	300 LF		79,542.00
3	8-Inch PVC SDR 21 Water Line	200 LF		2,000.00
4	6-Inch PVC SDR 21 Water Line	1,600 LF		15,200.00
5	4-Inch PVC SDR 21 Water Line	100 LF		900.00
6	3-Inch PVC SDR 21 Water Line	100 LF		850.00
7	2-Inch PVC SDR 21 Water Line	100 LF		800.00
8	Bore & Case for 12-Inch Water Line	1,110 LF		271,950.00
9	Open Cut & Case for 12-Inch WL	200 LF		22,000.00
10	Creek Crossing for 12-Inch WL	70 LF		10,500.00
11	12-Inch Gate Valve	19 E/		43,700.00
12	8-Inch Gate Valve	1 E/		1,100.00
13	6-Inch Gate Valve	5 E/		4,000.00
14	4-Inch Gate Valve	1 E/		600.00
15	3-Inch Gate Valve	1 E		500.00
16	2-inch Gate Valve	1 E.		400.00
17	Flush Hydrant	12 E		33,600.00
18	Air Release Valve	9 E		19,800.00
19	Mater Meter/Control Valve	1 E	٩ 140,000.00	140,000.00
20	12-Inch Master Meter	1 E		60,823.07
21	4-Inch Master Meter	1 E		39,592.51
22	3-Inch Master Meter	4 E		151,248.36
23	Connection No. 1	1 E		1,500.00
24	Connection No. 2	1 E	A 3,000.00	3,000.00
25	Connection No. 3	1 E	A 3,000.00	3,000.00
26	Connection No. 4	1 E	A 1,500.00	1,500.00
27	Connection No. 5	1 E		1,500.00
28	Connection No. 6	1 E	A 1,500.00	1,500.00
29	Connection No. 7	1 E	A 1,500.00	1,500.00
30	Connection No.8	1 E	A 1,500.00	1,500.00
31	Connection No. 9	1 E	A 1,500.00	1,500.00
32	Connection No. 10	1 E	A 2,500.00	2,500.00
	TOTAL BASE BID			\$1,946,445.14

556 Carli Lawrence Phone (5	CH ENGINEERING, INC. con Drive aburg, KY 40342 02) 839-1310 02) 839-1373		BID TABULATIONS ADAIR COUNTY WATER DISTRICT 1,000,000 GALLON COMPOSITE ELEVATED WATER STORAGE TANK ADAIR COUNTY, KENTUCKY BID DATE: JUNE 11, 2009 @ 2:00 P.M. LOCAL TIME Caldwell Tanks, Inc.				
	· · · · · · · · · · · · · · · · · · ·		P.O. Box 35770 Louisville, KY 4023		3600 Mansell Rd., S Alpharetta, GA 3002		
ITEM			UNIT	TOTAL	UNIT	TOTAL	
NO.	DESCRIPTION	QUANTITY	PRICE	COST	PRICE	COST	
	BASE BID						
1	Site Work	1 LS	\$15,700.00	\$15,700.00	\$50,000.00	\$50,000.00	
2	Tank Foundation	1 LS	156,000.00	156,000.00	90,400.00	90,400.00	
3	Concrete Tank Riser	1 LS	329,500.00	329,500.00	450,000.00	450,000.00	
4	Steel Reservoir	1 LS	745,200.00	745,200.00	793,000.00	793,000.00	
5	Coatings	1 LS	120,900.00	120,900.00	125,000.00	125,000.00	
6	Yard Piping	1 LS	62,300.00	62,300.00	28,600.00	28,600.00	
	TOTAL BASE BID			\$1,429,600.00		\$1,537,000.00	
			Phoenix Fabricator P.O. Box 40 Sebree, KY 42455		Landmark Structure 1665 Harmon Rd. Fort Worth, TX 7617		

r			Sebree, KY 42455		Fort Worth, TX 7617	77
ITEM			UNIT	TOTAL	UNIT	TOTAL
_NO.	DESCRIPTION	QUANTITY	PRICE	COST	PRICE	COST
	BASE BID					
1	Site Work	1 LS	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00
2	Tank Foundation	1 LS	204,400.00	204,400.00	400,000.00	400,000.00
3	Concrete Tank Riser	1 LS	500,000.00	500,000.00	960,000.00	960,000.00
4	Steel Reservoir	1 LS	650,000.00	650,000.00	200,000.00	200,000.00
5	Coatings	1 LS	150,000.00	150,000.00	100,000.00	100,000.00
6	Yard Piping	1 LS	75,000.00	75,000.00	50,000.00	50,000.00
	TOTAL BASE BID			\$1,609,400.00		\$1,730,000.00

THE ABOV TRUE AND COMPLETE TABULATION OF BIDS RECEIVED AT 2:00P.M. LOCAL TIME, THURSDAY, JUNE 11, 2009 AT THE ADAIR COUNTY WATER DISTRICT.

BY: David M. Bowles 0851 STONAL ENG Project No. 0851

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6/11/09 DATE

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