

Rubin & Hays

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

PARALEGAL
MARY M. EMBRY

March 8, 2006

Ms. Elizabeth O'Donnell
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

Case 2006-00115

RECEIVED

MAR 10 2006

PUBLIC SERVICE
COMMISSION

Re: Allen County Water District Water Project

Dear Ms. O'Donnell:

Enclosed please find the original and ten (10) copies of the Application of Allen County Water District for an Order approving financing and issuance of a Certificate of Public Convenience and Necessity pursuant to KRS 278.023.

Also enclosed are eleven (11) copies of the exhibits required pursuant to 807 KAR 5.069, and 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. 1037.0000

Re: Allen County Water District Waterworks Revenue Bonds, Series 2006, in the principal amount of \$1,614,000

Mr. Kenneth H. Slone
State Director
Rural Development
771 Corporate Drive, Suite 200
Lexington, Kentucky 40503-5477

Telephone: (859) 224-7336
Fax: (859) 224-7340

Mr. Kevin Antle
Rural Development
957 Campbellsville Road
Columbia, Kentucky 42728-1901

Telephone: (270) 384-4759
Fax: (270) 384-6351

Mr. John H. Jones, Chairman
Ms. Sue Carter, Office Manager
Allen County Water District
P.O. Box 58
Scottsville, Kentucky 42164

Telephone: (270) 622-3040
Fax: (270) 622-3041

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Secrest & Secrest
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Scottsville, Kentucky 42164-0035

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Louisville, Kentucky 40202

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COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
MAR 10 2006
PUBLIC SERVICE
COMMISSION

In the Matter of:

THE APPLICATION OF ALLEN COUNTY WATER)
DISTRICT OF ALLEN COUNTY, KENTUCKY FOR) NO. 2006-00115
A CERTIFICATE OF PUBLIC CONVENIENCE)
AND NECESSITY TO CONSTRUCT AND FINANCE)
PURSUANT TO THE PROVISIONS OF KRS 278.023)

A P P L I C A T I O N

This Application of the Allen County Water District (the "Applicant") of Allen County, Kentucky, respectfully shows:

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

2. That the post office address of the Applicant is:

Allen County Water District
c/o Mr. John H. Jones, Chairman
P.O. Box 58
Scottsville, Kentucky 42164

3. That the Applicant, pursuant to the provisions of KRS 278.020 and 278.023, seeks (i) a Certificate of Public Convenience and Necessity, permitting the Applicant to construct a waterworks construction project, consisting of extensions, additions, and improvements (the "Project") to the existing waterworks system of the Applicant; and (ii) approval of the proposed plan of financing said Project.

4. That the proposed project consists of the installation of approximately 13,000 feet of 12-inch waterline, 53,400 feet of 4-inch waterline and appurtenances, and a bridge crossing over Barren River Lake. This project will provide service to approximately 16 new users.

5. That the Applicant proposes to finance the construction of the Project through (i) issuance of \$1,614,000 of its Waterworks Revenue Bonds, (ii) a Rural Development ("RD") grant

in the amount of \$500,000, and (iii) a contribution from the Applicant in the amount of \$150,000. The Applicant has a commitment from the RD to purchase said \$1,614,000 of bonds maturing over a 40-year period, at an interest rate of not exceeding 4.50% per annum, as set out in the RD Letter of Conditions filed herewith as an Exhibit.

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

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

- A. Copy of RD Letter of Conditions.
- B. Copy of RD Letter of Concurrence in Bid Award.
- C. Copy of Preliminary and Final Engineering Reports.
- D. Certified statement from the Chairman of the Applicant, based upon statements of the Engineers for the 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 existing rates of the 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 the foregoing constitutes the documents necessary to obtain the approval of the 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, the Applicant, the Allen County Water District, asks that the Public Service Commission of the Commonwealth of Kentucky grant to the Applicant the following:

- a. A Certificate of Public Convenience and Necessity permitting the Applicant to construct a waterworks project consisting of extensions, additions, and improvements to the existing waterworks system of the Applicant.
- b. An Order approving the financing arrangements made by the Applicant, viz., the issuance of \$1,614,000 of Allen County Water District Waterworks Revenue Bonds at an interest rate of not exceeding 4.50% per annum; a grant from RD in the amount of \$500,000; and a contribution from Applicant in the amount of \$150,000.

ALLEN COUNTY WATER DISTRICT

By: John H. Jones
Chairman
Board of Water Commissioners

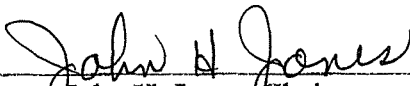
RUBIN & HAYS

By: W. Brubaker Jones
Counsel for Applicant
Kentucky Home Trust Building
450 South Third Street
Louisville, Kentucky 40202
(502) 569-7525

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF ALLEN)

The undersigned, John H. Jones, being duly sworn, deposes and states that he is the Chairman of the Board of Commissioners of the Allen County Water District, the 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 March 3, 2006.



John H. Jones, Chairman
Allen County Water District

Subscribed, sworn and acknowledged to before me by John H. Jones, Chairman of the Board of Commissioners of the Allen County Water District, on this March 3, 2006.

My Commission expires: 2-23-09.



Notary Public
In and for said County and State

(Seal of Notary)



DEC 22 2003

December 17, 2003

Mr. John H. Jones, Chairman
Allen County Water District
P.O. Box 58
Scottsville, Kentucky 42164

Dear Mr. Jones:

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/or 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/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 \$1,614,000, a RUS grant not to exceed \$500,000, and an applicant contribution of \$142,000.

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:

1. Number of Users and Their Contribution:

There shall be 3,624 water users, of which 3,608 are existing users and 16 are new users contributing \$8,000 in connection fees toward the cost of the project. The connection fees will be collected prior to advertising for construction bids and will be placed in the construction account at loan pre-closing, unless spent for authorized purposes prior to loan pre-closing. The Rural Development Manager will review and authenticate the number of users and amount of connection fees prior to advertising for construction bids. No contribution is required from the Water District.

1a. 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.

1b. Drug-Free Work Place:

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

2. 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 (January 1st and July 1st) and principal will be due on or before the first of January. Rural Development may require the Water 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.

3. Recommended Repayment Method:

Payments on this loan can 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 Rural Development Manager will furnish the necessary forms and further guidance on the PAD procedure.

4. Funded Depreciation Reserve Account:

The Water District will be required to deposit \$750.00 per month into a "Funded Depreciation Reserve Account" until the account reaches \$90,000. The deposits are to be resumed any time the account falls below the \$90,000.

The required monthly deposits to the Reserve Account and required Reserve Account levels are in addition to the requirements of the Water 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.

5. 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 Water 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.

6. Land Rights and Real Property:

The Water 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.

7. Organization:

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

8. Business Operations:

The Water 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 Water District after review by Rural Development. At no later than loan pre-closing, the Water 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, bookkeeping, making and delivering required reports and audits.

9. Accounts, Records and Audits:

The Water 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 and RUS Staff Instruction 1780-4, a copy of which is enclosed.

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

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

11. 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 Water District. The Water District should obtain amounts of coverage as recommended by its attorney, consulting engineer and/or insurance provider.
- B. Worker's Compensation - The Water District will carry worker's compensation insurance for employees in accordance with applicable state laws.
- C. Fidelity Bond - The Water 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 \$300,000.
- D. Real Property Insurance - The Water 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 Water 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 Water District will obtain and maintain adequate coverage on any facilities located in a special flood and mudslide prone areas.

12. 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 "22" 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 Rural Development Manager is prepared to furnish the necessary guide for him 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 Water 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.

13. Compliance with Section 504 of the Rehabilitation Act of 1973:

The Water District will be required to comply with Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), in order to make sure no handicapped individual, solely by reason of their handicap, is excluded from participation in the use of the water system, be denied the benefits of the water system, or be subjected to discrimination.

14. 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 Water District.

15. Compliance with Special Laws and Regulations:

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

16. System Operator:

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

17. Prior to Pre-Closing the Loan, the Water 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."

The Water District must offer the opportunity for all residents in the service area to become users of the facilities regardless of race, creed, color, religion, sex, national origin, marital status, physical or mental handicap or level of income.

18. Refinancing and Graduation Requirements:

The Water District is reminded that if at any time it shall appear to the Government that the Water 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 Water District will apply for and accept such loan in sufficient amount to repay the Government.

19. Commercial Interim Financing:

The Water 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 Water 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.

20. Disbursement of Project Funds:

A construction account for the purpose of disbursement of project funds (RUS) will be established by the Water 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.

During construction, the Water 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 Water 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 Water District.

Form RD 440-11, "Estimate of Funds Needed for 30-Day Period Commencing _____," will be prepared by the Water District and submitted to Rural Development in order that a periodic advance of federal cash may be requested.

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

21. 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 Water 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.

22. Cost of Facility:

Breakdown of Costs:

Development	\$ 1,787,000
Land and Rights	10,000
Legal and Administrative	19,000
Engineering	218,000
Interest	50,000
Contingencies	<u>180,000</u>
TOTAL	\$ 2,264,000

Financing:

RUS Loan	\$ 1,614,000
RUS Grant	500,000
Applicant Contribution	<u>150,000</u>
TOTAL	\$ 2,264,000

23. Debt Collection Improvement Act (DCIA) of 1996:

The Debt Collection Improvement Act (DCIA) of 1996 requires that all federal payments after January 1, 1999, must be made by Electronic Funds Transfer/Automated Clearing House (EFT/ACH). Borrowers receiving payments 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.

24. Use of Remaining Project Funds:

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

25. Rates and Charges:

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

Water rates will be at least:

First	2,000	gallons @ \$	16.17 - Minimum Bill.
Next	3,000	gallons @ \$	6.21 - per 1,000 gallons.
Next	5,000	gallons @ \$	5.16 - per 1,000 gallons.
Next	60,000	gallons @ \$	4.66 - per 1,000 gallons.
All Over	70,000	gallons @ \$	4.21 - per 1,000 gallons.

Wholesale rate to City of Scottsville \$2.34 - per 1,000 gallons.

26. Water Purchase Contract:

The Water 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.

27. Floodplain Construction:

The Water District will be required to pass and adopt a Resolution or amend its By-Laws whereby the Water 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 Water 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.

28. Mitigation Measures:

- A. The project shall be in compliance with all requirements noted in the Kentucky Department for Local Government letter dated December 9, 2002, from Mr. Ronald A. Cook, Manager.
- 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 February 14, 2003, and signed by Virgil Lee Andrews, Jr., Field Supervisor.
- C. The Owner and Engineer shall apply for and receive permission from the Army Corps of engineers for the transmission line crossing the Barren River Lake. This must be done prior to loan closing.

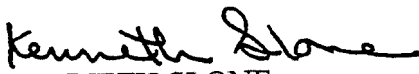
- D. The line design and construction shall be accomplished in a way that will leave flood plains and farmland without affect after construction is complete. The Army Corps of Engineers Nationwide Permit No. 12 applies to all floodplain and wetland utility line construction.
- E. The design and construction shall be in compliance with all local, state and federal environmental statutes, regulations and executive orders applicable to the project.

29. Final Approval Conditions:

Final approval of this loan 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 Rural Development Manager will allot a reasonable portion of time to provide guidance in application processing.

Sincerely,


KENNETH SLONE
State Director

Enclosures

cc: Rural Development Manager - Columbia, Kentucky
Community Development Manager - Glasgow, Kentucky
Barren County ADD - Bowling Green, Kentucky
Jim Secrest - Scottsville, Kentucky
✓ Rubin and Hays - Louisville, Kentucky
Kenvirons, Inc. - Frankfort, Kentucky
PSC - ATTN: Bob Amato - Frankfort, Kentucky



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

March 8, 2006

SUBJECT: Allen County Water District
Water System Reinforcements
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, Garrison Construction Co., Inc., in the amount of \$1,240,569.50.

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


KENNETH STONE
State Director
Rural Development

cc: Kenvirons, Inc.
Frankfort, Kentucky

Randy Jones
Rubin and Hayes
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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**CERTIFICATE OF CHAIRMAN OF ALLEN COUNTY WATER DISTRICT,
AS TO STATEMENT REQUIRED BY SECTION 1(5) OF 807 KAR 5:069**

I, John H. Jones, hereby certify that I am the duly qualified and acting Chairman of the Allen County Water District of Allen County, Kentucky, and that said District is in the process of arranging to finance the construction of extensions, additions and improvements to the existing waterworks system of the District (the "Project"), in cooperation with the Engineers for the District, Kenvirons, Inc., Frankfort, Kentucky.

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 existing rates of the District shall produce the total revenue requirements set out in the engineering reports.
4. That it is now contemplated that construction of the Project will begin on or about May 1, 2006, and will end on or about February 20, 2007.


IN TESTIMONY WHEREOF, witness my signature this March 3, 2006.



Chairman
Allen County Water District

STATE OF KENTUCKY)
) SS
COUNTY OF ALLEN)

Subscribed and sworn to before me by John H. Jones, Chairman of the Board of Commissioners of the Allen County Water District, on this March 3, 2006.



Notary Public
In and For Said State and County

(Seal of Notary)

FINAL ENGINEERING REPORT

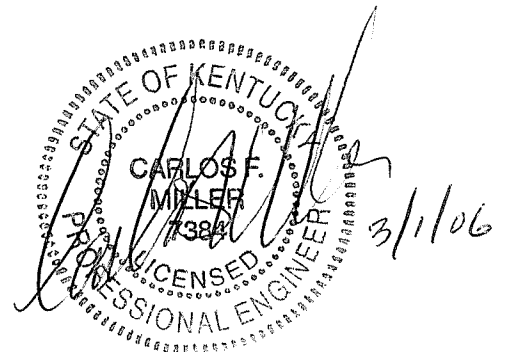
FOR

ALLEN COUNTY WATER DISTRICT

PHASE 7 WATER SYSTEM REINFORCEMENTS

PROJECT No. 2002109

MARCH, 2006



A Preliminary Engineering Report dated August, 2002 describes, in detail, the scope and need for this project. That engineering report is included herewith by reference.

Bids were received on February 24, 2006 for Contract 7. Six (6) bids were submitted. The low bid was submitted by Garrison Construction Co., Inc. in the amount of \$1,240,569.50 for the Base Project plus all Additive Alternates.

Copies of the certified bid tabulations are included in this report.

The Base Project and all Additive Alternates (Nos. 1 through 8) comprise Contract 7, which covers the initial project as submitted and approved by the funding agencies. The Base Project is the 12-inch transmission main and lake crossing. The additional extensions were contained in the bid schedule as Additive Alternates 1 through 8. The bid for the Base Project plus the Alternates is within the budgeted amount for construction, therefore all Alternates may be included in the contract award.

A project cost breakdown is shown in Exhibit 1. As shown in Exhibit 1, Item 6, a project contingency remains in the amount of \$792,131.

RECOMMENDATIONS

1. The bid amounts for the project are in the acceptable range for the types of work involved. The contractor that submitted the low bid is experienced and acceptable. It is recommended that the contract be awarded to the low bidder named herein for the Base Project and the Additive Alternates Nos. 1 through 8 in the amount of \$1,240,569.50.
2. Proceed with the application to the Public Service Commission for authority to construct the facilities.
3. Remaining monies should be used to install additional line extensions and /or improvements and reinforcements in the system. When the initial project is substantially complete and the amount of remaining monies is more precisely determined, a report relative to the utilization of the remaining funds will be submitted.

EXHIBIT 1

ALLEN COUNTY WATER DISTRICT PHASE 7 WATER SYSTEM REINFORCEMENTS PROJECT COST BREAKDOWN

	<u>INITIAL BUDGET</u>	<u>REVISED BUDGET</u>
1. Construction	\$1,787,000	\$1,240,569 ⁽¹⁾
2. Engineering		
2.1 Design	132,000	97,700
2.2 Construction Observation	68,500	54,100
2.3 Preliminary Engineering Report	7,000	7,000
2.4 Environmental Investigation	10,500	3,500
	<u>218,000</u>	<u>162,300</u>
3. Legal and Administration		
3.1 Bond Counsel	12,000	12,000
3.2 Local Counsel	7,000	7,000
	<u>19,000</u>	<u>19,000</u>
4. Land and Rights	10,000	0
5. Capitalized Interest	50,000	50,000
6. Contingency	180,000	792,131
	<u>180,000</u>	<u>792,131</u>
TOTAL PROJECT COST	\$2,264,000	\$2,264,000

FUNDING

RUS Loan	\$1,614,000
RUS Grant	500,000
Applicant Contribution	150,000
	<u>150,000</u>
	\$2,264,000

⁽¹⁾ Base Project plus Additive Alternates Nos. 1 through 8.

KENVIRONS, INC
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

PROJECT: BID TABULATIONS
 LOCATION: Phase 7 - Water System Reinforcements
 BID DATE: Allen County Water District
 February 24, 2006 - 2:00 p.m. (local time)


SHEET 1 OF 10

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co., Inc 6960 Greensburg Road Greensburg, KY 42743		Cleary Construction Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
I. 12-Inch Transmission Main									
1	12-Inch C.I. Pipe, CL 350, Push-On Joint	LF	13,000	\$29.65	\$385,450.00	\$33.70	\$438,100.00	\$38.10	\$495,300.00
2	Locking Gaskets for 12-Inch D.I., Push-On Joint Pipe	EA	242	90.00	21,780.00	100.00	24,200.00	101.20	24,490.40
3	12-Inch Gate Valve	EA	4	1,453.50	5,814.00	1,450.00	5,800.00	1,791.28	7,165.12
4	12" x 12" TS & V	EA	1	3,756.00	3,756.00	3,900.00	3,900.00	4,264.58	4,264.58
5	Bore Encasement for 12-Inch D.I.	LF	70	196.70	13,769.00	170.00	11,900.00	183.85	12,869.50
6	Open Cut Encasement for 12" D.I.	LF	470	73.50	34,545.00	90.00	42,300.00	90.10	42,347.00
7	Master Meter Station	EA	1	24,175.00	24,175.00	35,000.00	35,000.00	41,289.15	41,289.15
8	Air Release Valve	EA	2	935.00	1,870.00	500.00	1,000.00	824.89	1,649.78
9	Tie-In, Scottsville Side	EA	1	1,750.00	1,750.00	2,500.00	2,500.00	2,081.56	2,081.56
10	Fire Hydrant, Type 3	EA	1	2,903.00	2,903.00	2,900.00	2,900.00	3,539.50	3,539.50
11	Garren Lake Bridge Crossing	LS		192,970.00	192,970.00	175,000.00	175,000.00	252,792.10	252,792.10
12	Final Pipeline Cleanup	LF	12,500	0.70	8,750.00	0.70	8,750.00	0.70	8,750.00
TOTAL FOR 12-INCH TRANSMISSION MAIN					\$697,532.00		\$751,350.00		\$896,538.69
II. Water System Extensions									
13	4-Inch PVC Pipe, SDR 21	LF	22,900	\$4.95	\$113,355.00	\$7.10	\$162,590.00	\$6.80	\$155,720.00
14	4-Inch PVC Pipe, SDR 17	LF	4,300	5.35	23,005.00	7.70	33,110.00	7.33	31,519.00
15	4-Inch D.I. Pipe, CL 350, Push On Joint	LF			0.00		0.00		0.00
16	3-Inch D.I. Pipe, CL 350, Push On Joint	LF			0.00		0.00		0.00
17	3-Inch PVC Pipe, SDR 17	LF			0.00		0.00		0.00
18	Bored Encasement for 3 and 4-Inch Pipe	LF	70	95.00	6,650.00	100.00	7,000.00	74.60	5,222.00
19	4-Inch Gate Valve	EA	9	460.00	4,140.00	480.00	4,320.00	488.00	4,392.00
20	3-Inch Gate Valve	EA			0.00		0.00		0.00
21	6" x 4" Tapping Sleeve & Valve	EA	1	1,433.00	1,433.00	1,200.00	1,200.00	1,102.75	1,102.75
22	4" x 4" Tapping Sleeve & Valve	EA			0.00		0.00		0.00
23	6" x 3" Tapping Sleeve & Valve	EA			0.00		0.00		0.00
24	4" x 3" Tapping Sleeve & Valve	EA			0.00		0.00		0.00
25	Air Release Valve	EA	2	765.00	1,530.00	400.00	800.00	422.26	844.52
26	3-Inch Blow Off, Type 1	EA			0.00		0.00		0.00
27	3-Inch Blow Off, Type 2	EA			0.00		0.00		0.00
28	4" Blow Off, Type 1	EA	5	1,400.00	7,000.00	1,100.00	5,500.00	1,380.85	6,904.25
29	4" Blow Off, Type 2	EA	1	520.00	520.00	380.00	380.00	482.50	482.50
30	6" Blow Off, Type 1	EA	1	650.00	650.00	600.00	600.00	1,564.61	1,564.61
31	Creek Crossing Test Meter	EA	1	537.00	537.00	500.00	500.00	2,022.92	2,022.92
32	Pavement Restoration				0.00		0.00		0.00
32.1	Crushed Stone	LF	4,000	6.00	24,000.00	0.00	0.00	3.00	12,000.00
32.2	Light Duty Bituminous	LF	1,000	11.75	11,750.00	0.00	0.00	15.00	15,000.00
32.3	Heavy Bituminous	LF	50	33.00	1,650.00	20.00	1,000.00	45.00	2,250.00
32.4	Concrete	LF	50	50.00	2,500.00	30.00	1,500.00	60.00	3,000.00
33	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	17	475.00	8,075.00	500.00	8,500.00	527.11	8,960.87
34	3/4" Service Tubing	LF	1,000	3.90	3,900.00	4.00	4,000.00	4.25	4,250.00
35	Free Bore for 3 through 8-Inch Pipe	LF	80	27.50	2,200.00	30.00	2,400.00	35.00	2,800.00
36	Directional Bores				0.00		0.00		0.00
36.1	Sulpher Creek on Big Springs Road	LS			0.00		0.00		0.00
36.2	Sulpher Creek on Settle Road	LS			0.00		0.00		0.00
36.3	Sulpher Creek on Carl Hurt Road	LS			0.00		0.00		0.00
36.4	Casey Branch on Kay Brown Road	LS			0.00		0.00		0.00
36.5	Snake Creek on Snake Creek Road	LS	1	15,912.00	15,912.00	12,000.00	12,000.00	8,804.80	8,804.80
37	4" Creek Crossing, Type A	LF	50	43.00	2,150.00	55.00	2,750.00	63.95	3,197.50
38	4" Creek Crossing, Type B	LF			0.00		0.00		0.00
39	3" Creek Crossing, Type A	LF			0.00		0.00		0.00
40	3" Creek Crossing, Type B	LF			0.00		0.00		0.00
41	Final Pipeline Cleanup	LF	27,200	0.70	19,040.00	0.70	19,040.00	0.70	19,040.00
42	Blue Line Stream Crossing 3" & 4"	EA	3	9,956.50	29,869.50	3,000.00	9,000.00	9,000.00	27,000.00
TOTAL WATER SYSTEM EXTENSIONS					\$279,866.50		\$276,190.00		\$316,077.72
TOTAL BASE PROJECT BID					\$977,398.50		\$1,027,540.00		\$1,212,616.41
(Not In This Contract) Additive Alternate No. 1					\$0.00		\$0.00		\$0.00
Additive Alternate No. 2					39,196.50		47,519.00		47,490.51
Additive Alternate No. 3					63,375.50		79,746.00		75,554.67
Additive Alternate No. 4					36,541.00		40,499.00		34,785.95
Additive Alternate No. 5					32,041.50		38,446.50		29,747.30
Additive Alternate No. 6					38,520.50		46,326.00		46,828.11
Additive Alternate No. 7					35,213.00		39,936.00		33,545.85
Additive Alternate No. 8					18,283.00		21,856.00		21,708.96
TOTAL OF ADDITIVE ALTERNATES NOS. 1-8					\$263,171.00		\$314,328.50		\$289,661.36
TOTAL BASE PROJECT BID PLUS ADDITIVE ALTERNATES 1-8					\$1,240,569.50		\$1,341,868.50		\$1,502,277.77

* DENOTES AN ARITHMETIC ERROR ON THE BID, AND THE AMOUNT HAS BEEN CORRECTED TO REFLECT UNIT PRICE ON BID

THE ABOVE IS A TRUE AND COMPLETE TABULATION OF BIDS RECEIVED AT 2:00 P.M., LOCAL TIME, FRIDAY, FEBRUARY 24, 2006 AT THE ALLEN COUNTY WATER DISTRICT

BY:


 Carlos F. Miller, P.E.

3-1-06
 DATE

KENVIRONS, INC
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

PROJECT: BID TABULATIONS
 LOCATION: Phase 7 - Water System Reinforcements
 BID DATE: Allen County Water District
 February 24, 2006 - 2:00 p.m. (local time)

SHEET 2 OF 10

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co., Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
I. 12-Inch Transmission Main									
1	12-Inch C.I. Pipe, CL 350, Push-On Joint	LF	13,000	\$39.00	\$507,000.00	\$41.50	\$539,500.00	\$60.00	\$780,000.00
2	Locking Gaskets for 12-Inch D.I., Push-On Joint Pipe	EA	242	100.00	24,200.00	90.00	21,780.00	120.00	29,040.00
3	12-Inch Gate Valve	EA	4	1,450.00	5,800.00	2,600.00	10,400.00	1,500.00	6,000.00
4	12" x 12" TS & V	EA	1	4,200.00	4,200.00	3,800.00	3,800.00	6,000.00	6,000.00
5	Bore Encasement for 12-Inch D.I.	LF	70	200.00	14,000.00	250.00	17,500.00	400.00	28,000.00
6	Open Cut Encasement for 12" D.I.	LF	470	80.00	37,600.00	100.00	47,000.00	150.00	70,500.00
7	Master Meter Station	EA	1	40,000.00	40,000.00	47,500.00	47,500.00	35,000.00	35,000.00
8	Air Release Valve	EA	2	825.00	1,650.00	1,250.00	2,500.00	400.00	800.00
9	Tie-In, Scottsville Side	EA	1	2,500.00	2,500.00	6,200.00	6,200.00	5,000.00	5,000.00
10	Fire Hydrant, Type 3	EA	1	3,000.00	3,000.00	2,000.00	2,000.00	2,000.00	2,000.00
11	Garren Lake Bridge Crossing	LS		180,000.00	180,000.00	255,000.00	255,000.00	527,000.00	527,000.00
12	Final Pipeline Cleanup	LF	12,500	0.70	8,750.00	0.70	8,750.00	0.70	8,750.00
TOTAL FOR 12-INCH TRANSMISSION MAIN					\$828,700.00		\$961,930.00		\$1,498,090.00
II. Water System Extensions									
13	4-Inch PVC Pipe, SDR 21	LF	22,900	\$7.75	\$177,475.00	\$10.75	\$246,175.00	\$9.00	\$206,100.00
14	4-Inch PVC Pipe, SDR 17	LF	4,300	8.15	35,045.00	11.25	48,375.00	9.50	40,850.00
15	4-Inch D.I. Pipe, CL 350, Push On Joint	LF		0.00	0.00	0.00	0.00	0.00	0.00
16	3-Inch D.I. Pipe, CL 350, Push On Joint	LF		0.00	0.00	0.00	0.00	0.00	0.00
17	3-Inch PVC Pipe, SDR 17	LF		0.00	0.00	0.00	0.00	0.00	0.00
18	Bored Encasement for 3 and 4-Inch Pipe	LF	70	85.00	5,950.00	175.00	12,250.00	150.00	10,500.00
19	4-Inch Gate Valve	EA	9	590.00	5,310.00	900.00	8,100.00	320.00	2,880.00
20	3-Inch Gate Valve	EA		0.00	0.00	0.00	0.00	0.00	0.00
21	6" x 4" Tapping Sleeve & Valve	EA	1	1,300.00	1,300.00	2,250.00	2,250.00	2,000.00	2,000.00
22	4" x 4" Tapping Sleeve & Valve	EA		0.00	0.00	0.00	0.00	0.00	0.00
23	6" x 3" Tapping Sleeve & Valve	EA		0.00	0.00	0.00	0.00	0.00	0.00
24	4" x 3" Tapping Sleeve & Valve	EA		0.00	0.00	0.00	0.00	0.00	0.00
25	Air Release Valve	EA	2	525.00	1,050.00	1,100.00	2,200.00	400.00	800.00
26	3-Inch Blow Off, Type 1	EA		0.00	0.00	0.00	0.00	0.00	0.00
27	3-Inch Blow Off, Type 2	EA		0.00	0.00	0.00	0.00	0.00	0.00
28	4" Blow Off, Type 1	EA	5	1,330.00	6,650.00	1,250.00	6,250.00	1,000.00	5,000.00
29	4" Blow Off, Type 2	EA	1	970.00	970.00	1,450.00	1,450.00	900.00	900.00
30	6" Blow Off, Type 1	EA	1	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
31	Creek Crossing Test Meter	EA	1	700.00	700.00	1,500.00	1,500.00	800.00	800.00
32	Pavement Restoration			0.00	0.00	0.00	0.00	0.00	0.00
32.1	Crushed Stone	LF	4,000	2.00	8,000.00	4.00	16,000.00	8.00	32,000.00
32.2	Light Duty Bituminous	LF	1,000	10.00	10,000.00	8.00	8,000.00	15.00	15,000.00
32.3	Heavy Bituminous	LF	50	15.00	750.00	35.00	1,750.00	25.00	1,250.00
32.4	Concrete	LF	50	15.00	750.00	40.00	2,000.00	40.00	2,000.00
33	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	17	625.00	10,625.00	850.00	14,450.00	600.00	10,200.00
34	3/4" Service Tubing	LF	1,000	6.00	6,000.00	4.00	4,000.00	6.00	6,000.00
35	Free Bore for 3 through 8-Inch Pipe	LF	80	35.00	2,800.00	150.00	12,000.00	80.00	6,400.00
36	Directional Bores			0.00	0.00	0.00	0.00	0.00	0.00
36.1	Sulpher Creek on Big Springs Road	LS		0.00	0.00	0.00	0.00	0.00	0.00
36.2	Sulpher Creek on Settle Road	LS		0.00	0.00	0.00	0.00	0.00	0.00
36.3	Sulpher Creek on Carl Hurt Road	LS		0.00	0.00	0.00	0.00	0.00	0.00
36.4	Casey Branch on Kay Brown Road	LS		0.00	0.00	0.00	0.00	0.00	0.00
36.5	Snake Creek on Snake Creek Road	LS	1	30,000.00	30,000.00	40,000.00	40,000.00	20,000.00	20,000.00
37	4" Creek Crossing, Type A	LF	50	100.00	5,000.00	125.00	6,250.00	120.00	6,000.00
38	4" Creek Crossing, Type B	LF		0.00	0.00	0.00	0.00	0.00	0.00
39	3" Creek Crossing, Type A	LF		0.00	0.00	0.00	0.00	0.00	0.00
40	3" Creek Crossing, Type B	LF		0.00	0.00	0.00	0.00	0.00	0.00
41	Final Pipeline Cleanup	LF	27,200	0.70	19,040.00	0.70	19,040.00	0.70	19,040.00
42	Blue Line Stream Crossing 3" & 4"	EA	3	4,000.00	12,000.00	5,000.00	15,000.00	2,000.00	6,000.00
TOTAL WATER SYSTEM EXTENSIONS					\$340,915.00		\$468,540.00		\$395,220.00
TOTAL BASE PROJECT BID					\$1,169,615.00		\$1,430,470.00		\$1,893,310.00
(Not in This Contract) Additive Alternate No. 1					50.00		50.00		50.00
Additive Alternate No. 2					53,823.50		74,798.00		64,181.00
Additive Alternate No. 3					97,209.00		104,525.00		115,390.00
Additive Alternate No. 4					59,498.00		64,908.00		67,038.00
Additive Alternate No. 5					60,763.50		77,151.00		61,806.00
Additive Alternate No. 6					51,666.50		72,671.50		57,129.00
Additive Alternate No. 7					60,419.00		72,549.00		57,414.00
Additive Alternate No. 8					24,219.00		35,754.00		29,544.00
TOTAL OF ADDITIVE ALTERNATES NOS. 1-8					\$407,598.50		\$502,356.50		\$452,502.00
TOTAL BASE PROJECT BID PLUS ADDITIVE ALTERNATES 1-8					\$1,577,213.50		\$1,932,826.50		\$2,345,812.00

* DENOTES AN ARITHMETIC ERROR ON THE BID. AND THE AMOUNT HAS BEEN CORRECTED TO REFLECT UNIT PRICE ON BID

THE ABOVE IS A TRUE AND COMPLETE TABULATION OF BIDS RECEIVED AT 2:00 P.M. LOCAL TIME, FRIDAY, FEBRUARY 24, 2006 AT THE ALLEN COUNTY WATER DISTRICT

BY: _____ DATE _____
 Carlos F. Miller, P.E.

KENVIRONS, INC.
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 1

SHEET 3 OF 10

Wilkerson Road

NOT IN THIS CONTRACT

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co , Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc. P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
2	4-Inch PVC Pipe, SDR 21	LF							
3	4-Inch Gate Valve	EA							
8	4" Blow Off, Type 2	EA							
9	Pavement Restoration								
12	32.1. Crushed Stone	LF							
13	5/8" x 3/4" Meter Box Installation with Individual PRV	EA							
15	3/4" Service Tubing	LF							
24	Free Bore for 3 through 8-Inch Pipe	LF							
	4" Creek Crossing, Type A	LF							
25	Final Pipeline Cleanup	LF							
	Blue Line Stream Crossing 3" & 4"	EA							
TOTAL ALTERNATE NO. 1 BID					\$0.00		\$0.00		\$0.00

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co , Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
2	4-Inch PVC Pipe, SDR 21	LF							
3	4-Inch Gate Valve	EA							
8	4" Blow Off, Type 2	EA							
9	Pavement Restoration								
12	32.1. Crushed Stone	LF							
13	5/8" x 3/4" Meter Box Installation with Individual PRV	EA							
15	3/4" Service Tubing	LF							
24	Free Bore for 3 through 8-Inch Pipe	LF							
	4" Creek Crossing, Type A	LF							
25	Final Pipeline Cleanup	LF							
	Blue Line Stream Crossing 3" & 4"	EA							
TOTAL ALTERNATE NO. 1 BID					\$0.00		\$0.00		\$0.00

KENVIRONS, INC
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 2

SHEET 4 OF 10

Alderson Road

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co., Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	5,330	\$4.95	\$26,383.50	\$7.10	\$37,843.00	\$6.80	\$36,244.00
22	4" x 4" Tapping Sleeve & Valve	EA	1	1,360.00	1,360.00	1,200.00	1,200.00	1,086.70	1,086.70
28	4" Blow Off, Type 1	EA	1	1,400.00	1,400.00	1,100.00	1,100.00	923.23	923.23
32	Pavement Restoration								
	32.1. Crushed Stone	LF	500	6.00	3,000.00	0.00	0.00	3.00	1,500.00
	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	3	475.00	1,425.00	500.00	1,500.00	527.11	1,581.33
34	3/4" Service Tubing	LF	180	3.90	702.00	4.00	720.00	4.25	765.00
	Free Bore for 3 through 8-Inch Pipe	LF	20	27.50	550.00	30.00	600.00	35.00	700.00
37	4" Creek Crossing, Type A	LF	15	43.00	645.00	55.00	825.00	63.95	959.25
41	Final Pipeline Cleanup	LF	5,330	0.70	3,731.00	0.70	3,731.00	0.70	3,731.00
TOTAL ALTERNATE NO. 2 BID					\$39,196.50		\$47,519.00		\$47,490.51

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co., Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	5,330	\$7.75	\$41,307.50	\$10.75	\$57,297.50	\$9.00	\$47,970.00
22	4" x 4" Tapping Sleeve & Valve	EA	1	1,300.00	1,300.00	2,000.00	2,000.00	1,500.00	1,500.00
28	4" Blow Off, Type 1	EA	1	1,330.00	1,330.00	1,250.00	1,250.00	1,000.00	1,000.00
32	Pavement Restoration								
	32.1. Crushed Stone	LF	500	2.00	1,000.00	4.00	2,000.00	8.00	4,000.00
	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	3	625.00	1,875.00	850.00	2,550.00	600.00	1,800.00
34	3/4" Service Tubing	LF	180	6.00	1,080.00	4.00	720.00	6.00	1,080.00
	Free Bore for 3 through 8-Inch Pipe	LF	20	35.00	700.00	150.00	3,000.00	80.00	1,600.00
37	4" Creek Crossing, Type A	LF	15	100.00	1,500.00	125.00	1,875.00	100.00	1,500.00
41	Final Pipeline Cleanup	LF	5,330	0.70	3,731.00	0.70	3,731.00	0.70	3,731.00
TOTAL ALTERNATE NO. 2 BID					\$53,823.50		\$74,423.50		\$64,181.00

* DENOTES AN ARITHMETIC ERROR ON THE BID, AND THE AMOUNT HAS BEEN CORRECTED TO REFLECT UNIT PRICE ON BID

KENVIRONS, INC.
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 3

SHEET 5 OF 10

Big Springs Road

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co , Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
14	4-Inch PVC Pipe, SDR 17	LF	1,660	\$4.95	\$8,217.00	\$7.70	\$12,782.00	\$7.33	\$12,167.80
15	4-Inch DI Pipe, CL350, Push On Joint	LF	2,740	13.10	35,894.00	17.60	48,224.00	16.85	46,169.00
19	4-Inch Gate Valve	EA	1	460.00	460.00	480.00	480.00	488.00	488.00
28	4" Blow Off, Type 1	EA	1	1,400.00	1,400.00	1,100.00	1,100.00	1,380.85	1,380.85
32	Pavement Restoration								
	32.1. Crushed Stone	LF	400	6.00	2,400.00	0.00	0.00	3.00	1,200.00
	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	2	475.00	950.00	500.00	1,000.00	527.11	1,054.22
33	3/4" Service Tubing	LF	120	3.90	468.00	4.00	480.00	4.25	510.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	27.50	550.00	30.00	600.00	35.00	700.00
36	Directional Bores								
	36.1. Sulpher Creek on Big Springs Road	LS	1	9,956.50	9,956.50	12,000.00	12,000.00	8,804.80	8,804.80
41	Final Pipeline Cleanup	LF	4,400	0.70	3,080.00	0.70	3,080.00	0.70	3,080.00
TOTAL ALTERNATE NO. 3 BID					\$63,375.50		\$79,746.00		\$75,554.67

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co., Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
14	4-Inch PVC Pipe, SDR 17	LF	1,660	\$8.15	\$13,529.00	\$11.25	\$18,675.00	\$9.50	\$15,770.00
15	4-Inch DI Pipe, CL350, Push On Joint	LF	2,740	16.50	45,210.00	18.00	49,320.00	25.00	68,500.00
19	4-Inch Gate Valve	EA	1	590.00	590.00	900.00	900.00	320.00	320.00
28	4" Blow Off, Type 1	EA	1	1,330.00	1,330.00	1,250.00	1,250.00	1,000.00	1,000.00
32	Pavement Restoration								
	32.1. Crushed Stone	LF	400	2.00	800.00	4.00	1,600.00	8.00	3,200.00
	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	2	625.00	1,250.00	850.00	1,700.00	600.00	1,200.00
33	3/4" Service Tubing	LF	120	6.00	720.00	4.00	480.00	6.00	720.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	35.00	700.00	150.00	3,000.00	80.00	1,600.00
36	Directional Bores								
	36.1. Sulpher Creek on Big Springs Road	LS	1	30,000.00	30,000.00	30,000.00	30,000.00	20,000.00	20,000.00
41	Final Pipeline Cleanup	LF	4,400	0.70	3,080.00	0.70	3,080.00	0.70	3,080.00
TOTAL ALTERNATE NO. 3 BID					\$97,209.00		\$104,525.00		\$115,390.00

KENVIRONS, INC.
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 4

SHEET 6 OF 10

Settle Road

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co , Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
16	3-Inch DI Pipe, CL350, Push On Joint	LF	1,060	\$12.80	\$13,568.00	\$17.30	\$18,338.00	\$14.86	\$15,751.60
17	3-Inch PVC Pipe, SDR 17	LF	980	4.40	4,312.00	6.35	6,223.00	5.36	5,252.80
20	3-Inch Gate Valve	EA	1	395.00	395.00	450.00	450.00	459.84	459.84
26	3-Inch Blow Off, Type 1	EA	1	1,168.00	1,168.00	960.00	960.00	1,261.81	1,261.81
32	Pavement Restoration								
	32.1. Crushed Stone	LF	200	6.00	1,200.00	0.00	0.00	3.00	600.00
	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	1	475.00	475.00	500.00	500.00	527.11	527.11
33	Free Bore for 3 through 8-Inch Pipe	LF	20	27.50	550.00	30.00	600.00	35.00	700.00
36	Directional Bores								
	36.2. Sulphur Creek on Settle Road	LS	1	13,445.00	13,445.00	12,000.00	12,000.00	8,804.80	8,804.80
41	Final Pipeline Cleanup	LF	2,040	0.70	1,428.00	0.70	1,428.00	0.70	1,428.00
TOTAL ALTERNATE NO. 4 BID					\$36,541.00		\$40,499.00		\$34,785.96

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co , Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
16	3-Inch DI Pipe, CL350, Push On Joint	LF	1,060	\$16.50	\$17,490.00	\$15.00	\$15,900.00	\$20.00	\$21,200.00
17	3-Inch PVC Pipe, SDR 17	LF	980	7.25	7,105.00	11.00	10,780.00	9.50	9,310.00
20	3-Inch Gate Valve	EA	1	550.00	550.00	900.00	900.00	300.00	300.00
26	3-Inch Blow Off, Type 1	EA	1	1,200.00	1,200.00	1,250.00	1,250.00	1,000.00	1,000.00
32	Pavement Restroation								
	32.1. Crushed Stone	LF	200	2.00	400.00	4.00	800.00	8.00	1,600.00
	5/8" x 3/4" Meter Box Installation with Individual PRV	EA	1	625.00	625.00	850.00	850.00	600.00	600.00
33	Free Bore for 3 through 8-Inch Pipe	LF	20	35.00	700.00	150.00	3,000.00	80.00	1,600.00
36	Directional Bores								
	36.2. Sulphur Creek on Settle Road	LS	1	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00
41	Final Pipeline Cleanup	LF	2,040	0.70	1,428.00	0.70	1,428.00	0.70	1,428.00
TOTAL ALTERNATE NO. 4 BID					\$59,498.00		\$64,908.00		\$67,038.00

KENVIRONS, INC
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 5

SHEET 7 OF 10

Carl Hurt Road

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co , Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
17	3-Inch PVC Pipe, SDR 17	LF	3,530	\$4.40	\$15,532.00	\$6.35 *	\$22,415.50	\$5.36	\$18,920.80
26	3-Inch Blow Off, Type 1	EA	1	1,168.00	1,168.00	960.00	960.00	1,261.81	1,261.81
32	Pavement Restoration								
	32.1. Crushed Stone	LF	400	6.00	2,400.00	0.00	0.00	3.00	1,200.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	27.50	550.00	30.00	600.00	35.00	700.00
36	Directional Bores								
	36.3. Sulpher Creek on Carl Hurt Road	EA	1	9,920.50	9,920.50	12,000.00	12,000.00	5,193.69	5,193.69
41	Final Pipeline Cleanup	LF	3,530	0.70	2,471.00	0.70	2,471.00	0.70	2,471.00
TOTAL ALTERNATE NO. 5 BID					\$32,041.50		\$38,446.50		\$29,747.30

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co , Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
17	3-Inch PVC Pipe, SDR 17	LF	3,530	\$7.25	\$25,592.50	\$11.00	\$38,830.00	\$9.50	\$33,535.00
26	3-Inch Blow Off, Type 1	EA	1	1,200.00	1,200.00	1,250.00	1,250.00	1,000.00	1,000.00
32	Pavement Restoration								
	32.1. Crushed Stone	LF	400	2.00	800.00	4.00	1,600.00	8.00	3,200.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	35.00	700.00	150.00	3,000.00	80.00	1,600.00
36	Directional Bores								
	36.3. Sulpher Creek on Carl Hurt Road	EA	1	30,000.00	30,000.00	30,000.00	30,000.00	20,000.00	20,000.00
41	Final Pipeline Cleanup	LF	3,530	0.70	2,471.00	0.70	2,471.00	0.70	2,471.00
TOTAL ALTERNATE NO. 5 BID					\$60,763.50		\$77,151.00		\$61,806.00

KENVIRONS, INC.
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 6

SHEET 8 OF 10

A.R. Oliver Road

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co., Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	5,670	\$4.95	\$28,066.50	\$7.10	\$40,257.00	\$6.80	\$38,556.00
25	Air Release Valve	EA	1	935.00	935.00	400.00	400.00	422.26	422.26
28	4" Blow Off, Type 1	EA	1	1,400.00	1,400.00	1,100.00	1,100.00	1,380.85	1,380.85
32	Pavement Restoration								
	32.1. Crushed Stone	LF	600	6.00	3,600.00	0.00	0.00	3.00	1,800.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	27.50	550.00	30.00	600.00	35.00	700.00
41	Final Pipeline Cleanup	LF	5,670	0.70	3,969.00	0.70	3,969.00	0.70	3,969.00
TOTAL ALTERNATE NO. 6 BID					\$38,520.50		\$46,326.00		\$46,828.11

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavatio 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co., Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	5,670	\$7.75	\$43,942.50	\$10.75	\$60,952.50	\$8.00	\$45,360.00
25	Air Release Valve	EA	1	525.00	525.00	1,100.00	1,100.00	400.00	400.00
28	4" Blow Off, Type 1	EA	1	1,330.00	1,330.00	1,250.00	1,250.00	1,000.00	1,000.00
32	Pavement Restoration								
	32.1. Crushed Stone	LF	600	2.00	1,200.00	4.00	2,400.00	8.00	4,800.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	35.00	700.00	150.00	3,000.00	80.00	1,600.00
41	Final Pipeline Cleanup	LF	5,670	0.70	3,969.00	0.70	3,969.00	0.70	3,969.00
TOTAL ALTERNATE NO. 6 BID					\$51,666.50		\$72,671.50		\$57,129.00

KENVIRONS, INC.
 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 7

SHEET 9 OF 10

Kay Brown Road

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co., Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	3,120	\$4.95	\$15,444.00	\$7.10	\$22,152.00	\$6.80	\$21,216.00
18	Bored Encasement for 3 and 4-Inch Pipe	LF	25	95.00	2,375.00	100.00	2,500.00	74.60	1,865.00
28	4" Blow Off, Type 1	EA	1	1,400.00	1,400.00	1,100.00	1,100.00	1,380.85	1,380.85
32	Pavement Restoration								
32.1.	Crushed Stone	LF	300	6.00	1,800.00	0.00	0.00	3.00	900.00
36	Directional Bores								
36.4.	Casey Branch	LS	1	12,010.00	12,010.00	12,000.00	12,000.00	6,000.00	6,000.00
41	Final Pipeline Cleanup	LF	3,120	0.70	2,184.00	0.70	2,184.00	0.70	2,184.00
TOTAL ALTERNATE NO. 7 BID					\$35,213.00		\$39,936.00		\$33,545.85

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Lauret Construction Co., Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	3,120	\$7.75	\$24,180.00	\$10.75	\$33,540.00	\$9.00	\$28,080.00
18	Bored Encasement for 3 and 4-Inch Pipe	LF	25	85.00	2,125.00	175.00	4,375.00	150.00	3,750.00
28	4" Blow Off, Type 1	EA	1	1,330.00	1,330.00	1,250.00	1,250.00	1,000.00	1,000.00
32	Pavement Restoration								
32.1.	Crushed Stone	LF	300	2.00	600.00	4.00	1,200.00	8.00	2,400.00
36	Directional Bores								
36.4.	Casey Branch	LS	1	30,000.00	30,000.00	30,000.00	30,000.00	20,000.00	20,000.00
41	Final Pipeline Cleanup	LF	3,120	0.70	2,184.00	0.70	2,184.00	0.70	2,184.00
TOTAL ALTERNATE NO. 7 BID					\$60,419.00		\$72,549.00		\$57,414.00

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 452 VERSAILLES ROAD
 FRANKFORT, KENTUCKY 40601
 TEL (502) 695-4357
 FAX (502) 695-4363

ADD ALTERNATE NO. 8

SHEET 10 OF 10

Stewart Road

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Garrison Construction Co., Inc 6960 Greensburg Road Greensburg KY 42743		Cleary Construction, Inc 1860 Edmonton Road Tompkinsville, KY 42167		H & M Pipeline, Inc P O Box 277 Russell Springs, KY 42642	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	2,520	\$4.95	\$12,474.00	\$7.10	\$17,892.00	\$6.80	\$17,136.00
22	4" x 4" Tapping Sleeve & Valve	EA	1	1,360.00	1,360.00	1,200.00	1,200.00	1,086.70	1,086.70
25	Air Release Valve	EA	1	935.00	935.00	400.00	400.00	422.26	422.26
32	Pavement Restoration								
	32.1. Crushed Stone	LF	200	6.00	1,200.00	0.00	0.00	3.00	600.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	27.50	550.00	30.00	600.00	35.00	700.00
41	Final Pipeline Cleanup	LF	2,520	0.70	1,764.00	0.70	1,764.00	0.70	1,764.00
TOTAL ALTERNATE NO. 8 BID					\$18,283.00		\$21,856.00		\$21,708.96

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Twin States Utilities & Excavation 3075 Bethlehem Church Road Mt. Hermon, KY 42157		Schroeder Construction, Inc 616 Pear Orchard Road NW Elizabethtown, KY 42701		Laurel Construction Co., Inc 5209 Somerset Road London, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
13	4-Inch PVC Pipe, SDR 21	LF	2,520	\$7.75	\$19,530.00	\$10.75	\$27,090.00	\$9.00	\$22,680.00
22	4" x 4" Tapping Sleeve & Valve	EA	1	1,300.00	1,300.00	2,000.00	2,000.00	1,500.00	1,500.00
25	Air Release Valve	EA	1	525.00	525.00	1,100.00	1,100.00	400.00	400.00
32	Pavement Restoration								
	32.1. Crushed Stone	LF	200	2.00	400.00	4.00	800.00	8.00	1,600.00
35	Free Bore for 3 through 8-Inch Pipe	LF	20	35.00	700.00	150.00	3,000.00	80.00	1,600.00
41	Final Pipeline Cleanup	LF	2,520	0.70	1,764.00	0.70	1,764.00	0.70	1,764.00
TOTAL ALTERNATE NO. 8 BID					\$24,219.00		\$35,754.00		\$29,544.00

PRELIMINARY ENGINEERING REPORT

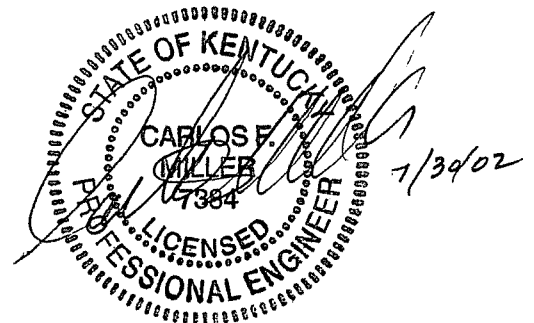
FOR

ALLEN COUNTY WATER DISTRICT

**PHASE 7 - WATER SUPPLY TRANSMISSION
AND REINFORCEMENT FACILITIES**

PROJECT NO. 2002109

AUGUST, 2002



INTRODUCTION

The Allen County Water District (ACWD) was formed to provide a dependable supply of potable water to the rural areas of Allen County. A first phase of construction for the District was completed in the summer of 1978. This construction consisted of approximately 8 miles of 4"-8" waterlines. As a result of the construction of Phase 1A and subsequent expansion by the District, the more densely populated areas of northeast Allen County are now being served.

In 1983, the District received an additional loan/grant from FmHA to serve those customers in the Phase 2 service area. This Phase 2 project added, to the existing system, over 250 customers, 25 miles of water main, one 165,000 gallon storage tank and two master meters.

In 1990, the District completed an expansion project into the southwestern portion of the county. This project consisted of 10 miles of 6- and 4-inch line, two booster pumping stations and two 160,000 gallon storage tanks. This project serves 114 new customers and two Pig Improvement Company (PIC) facilities. Two extensions from this project have been constructed by the District and funded with local contributions serving an additional 70 customers and two additional PIC facilities.

In 1993 the District completed an extension project into the southern portion of the county from Scottsville to the Tennessee state line. This project included 40 miles of water line, booster pump and storage tank.

The Phase 5 extension project included over 30 miles of distribution lines scattered over the entire district area making water service available to an additional 213 rural residential customers and a PIC pig farm.

The Phase 6 project during 2000 provided the pumping, transmission and tie-in facilities to enable the District to purchase virtually all of its water from Glasgow instead of Scottsville. This switch in water suppliers resulted in an immediate significant reduction in water purchase cost. The left-over monies from this project funded approximately 20 miles of lines in the Red Hill / Midway area which was the only geographical area in the county that did not have water service.

The ACWD presently purchases its water from the Cities of Glasgow (95%) and Scottsville (5%), Kentucky. These sources have provided the District a dependable source of potable water.

Maps showing the proposed transmission mains and project elements are bound in this report.

GEOGRAPHIC LOCATION

Allen County is located in the southwestern part of Kentucky. The county seat is the City of Scottsville, which is located near the geographic center of the county. Scottsville is 25 miles southeast of Bowling Green and 25 miles southwest of Glasgow. The Allen County Water

District's service area includes all of Allen County except for certain areas in and around the City of Scottsville. Figure 1 shows the county location.

PROJECT NEED

The only sources of water available to county residents are wells, springs and cisterns. Widespread contamination of wells has been thoroughly documented. Over seventy percent of the wells tested in the district's service area have been judged unfit for human consumption. The health and welfare of the county depends on a good water supply. Extension of the District's facilities throughout the county is the only source of potable water available.

This proposed project addresses the issue of water supply to the county system. During the Phase 6 project ACWD acquired, from Scottsville, the 12-inch pipeline that extended across Barren River Lake and tied the Glasgow system to the Scottsville system. This line was connected to a treated water transmission line that was extended across the lake in another location and tied into the Glasgow system at the treatment facility. This transmission line that extends from the Glasgow WTP to Hwy 252 is the source of water for ACWD. The new lake crossing installed in Phase 6 is dual 12-inch lines. The 12-inch pipeline acquired from Scottsville is a single line. In order to enhance reliability and insure a continued supply in the event of a failure of the lake crossing, dual pipelines are recommended. This project provides the additional lake crossing. Included also are several connections of dead end lines that will significantly enhance the system hydraulics. The ACWD is rapidly growing and the small 3 and 4-inch segments need to be connected. There are 24 new customers that will be reached in the process of the interconnections.

ALTERNATIVE SOURCES

There are only two sources of water for Allen county, namely the treatment facilities of Glasgow and Scottsville, The water supply for both treatment facilities is the Barren River Lake which is essentially unlimited. There are no other alternatives. Scottsville and ACWD are interconnected so the lake crossings provided by ACWD provide a significant back-up for Scottsville in the event of an emergency. Duplicity in these lake crossings greatly enhance the reliability of supply.

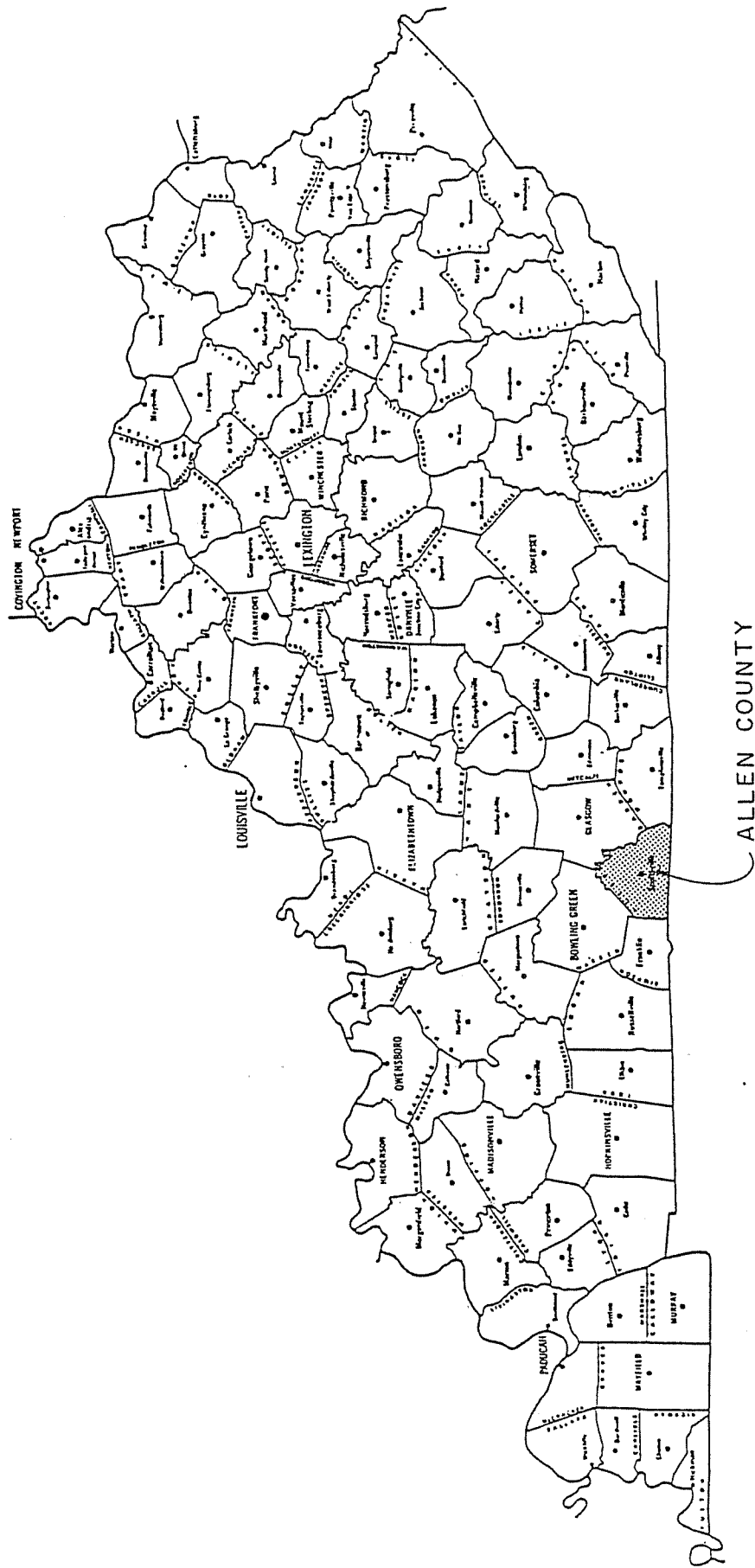


FIGURE I
PROJECT LOCATION MAP

EXISTING FACILITIES

The ACWD began operations in 1977. The existing facilities consist of approximately:

- 40,131 feet of 2-inch pipe
- 332,000 feet of 3-inch pipe
- 1,360,000 feet of 4-inch pipe
- 592,400 feet of 6-inch pipe
- 75,700 feet of 8-inch pipe
- 28,000 feet of 10-inch pipe
- 105,600 feet of 12-inch pipe
- 3 - 169,000 gallon standpipe
- 1 - 230,000 gallon standpipe
- 1 - 300,000 gallon Elevated Tank
- 2 - Master Meter Stations
- 4 - Booster Pump Stations
- 2 - Control Valve Stations

The District purchases most of its water from the City of Glasgow (97%) for \$1.05 per thousand gallons. Water is purchased from the City of Scottsville (3%) for the customers along 31-E for \$2.03 per 1000 gallons. The facilities of the District are in good condition with an unaccounted for water loss of 7.8% including system flushing and fire fighting use. ACWD is physically and economically sound.

PROPOSED FACILITIES

The proposed project consists of approximately 25 miles of pipeline in sizes 4-inch through 12-inch. The primary element of this project is the 12-inch transmission line across Barren River Lake to provide duplicity.

The preliminary estimate of project cost is \$2,264,000. The District will contribute up to \$150,000. The remainder is being sought in the form of a \$1,614,000 loan and \$500,000 grant from the U.S. Department of Agriculture, Rural Development.

The solid waste for Allen County residents is picked-up by Ausbrooks Disposal, W & W Disposal, Sann Disposal and Presley Disposal and hauled to the Allen County Transfer Station. The ultimate destination of the trash is the Barren County Landfill, KY Permit No. 005.00001.

Portions of U.S.G.S. topographic maps and a general highway map, are bound in this report showing the locations of the project elements. Exhibit 1 contains an itemized cost estimate.

WATER SYSTEM OPERATION

A detailed hydraulic computer model is utilized to size pipelines and to determine the need for booster pumping and the location and overflow elevations of water storage tanks.

The system was designed and sized to meet the anticipated peak demand conditions and to allow for normal growth. The maps in the back of this report show all water lines recommended as a part of this construction project. The system has been designed so that water pressures at the meters of individual customers will not be less than 30 psi at peak flow conditions. Where static pressures exceed 100 psi, individual pressure regulators will be required to protect fixtures from high pressure.

Storage tanks are used in the water system to stabilize the pressure throughout the system, to provide sufficient water to take care of instantaneous peak requirements, to provide water in the event of temporary failure of the source and to provide water during peak days if the water demand exceeds the capacity of the source. The tanks must be of sufficient elevation to maintain a minimum of 30 psi pressure in the zone they serve and to provide for a two-day water requirement under average conditions for a minimum storage of 300 gallons per meter served.

The existing tanks are filled by pumping stations equipped with duplicate pumps which run alternately.

Pumps are designed to maintain an operating level in the tanks about 10 to 12 feet lower than the overflow level of the tanks. This requires pumping to begin when the water level in the tanks drop to the operating level; pumping stops when the tanks are refilled to the overflow level. This procedure provides adequate pressure stabilization of the system. The pumps are controlled by telemetering with electric check valves to damper pressure surges during pump cut-on and cut-off.

LAND, WATER AND OTHER RIGHTS AND PERMITS

LAND

No land will need to be acquired for this project.

WATER

Allen County Water District's purchases, during January through December, 2001, were 256,480,300 gallons from the city of Glasgow and 7,935,900 from the city of Scottsville. The present Glasgow water treatment capacity is 6 MGD at the lake facility and 2.5 MGD at the in-town facility. The present demand is an average of 3.5 MGD with a peak of 4.0 MGD. Most of

the Glasgow demand is produced at the lake facility. The lake facility is set up to expand to 9 MGD with the addition of clearwell capacity and upsizing the raw water pumps. The rate of \$1.05 per thousand gallons to ACWD includes the capital improvements cost. The present Glasgow treatment facility can easily accept the projected demand of 4600 GPD for the 23 potential customers in the proposed project. The present water purchase contract with Glasgow provides for One (1.0) MGD and has 32 years remaining. The average daily demand of ACWD from the Glasgow system during 2001 was 703,000 GPD (0.703 MGD).

OTHER RIGHTS AND PERMITS

The majority of all of the pipelines will be laid on private property. This will require both a permanent easement and a temporary construction easement; both are usually combined on one easement form. A description of the easements necessary will be prepared by the engineer. From these descriptions, the attorney will prepare the easement and right-of-way documents. ACWD will then be responsible for obtaining the signatures of property owners, conveying these easements. If for any unforeseen reason private easements cannot be obtained, water mains may be constructed on highway rights-of-way. A permit for this type of construction must be obtained from the affected highway department (either state or county). This permit can be incorporated into the permit necessary for line crossings of highways. The engineer will provide the necessary information and apply for these permits.

Several other permits and approvals will be necessary before completion of the project. Among these are: Kentucky Division of Water; a permit for stream crossing from the Kentucky Department for Natural Resources and Environmental Protection; Kentucky Public Service Commission; and the U.S. Army Corps of Engineers for crossing of Barren River Lake. The District's attorney, engineer and the Rural Development county supervisor will advise and assist in procuring the necessary and proper permits and approvals.

There are no railroad crossings required.

EXHIBIT 1

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(1) 12" Lake Crossing		(2) Bridge Hollow Road		(3) Jeff. Sch. Road		(4) J. W. York Road		(5) Walnut Creek Road	
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
1 12" DI, B & S	LF	300.00	800	\$240,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
2 12" DI, Loc. Gask.	LF	40.00	7,400	\$296,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3 6" PVC	LF	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
4 4" PVC	LF	7.00	0	\$0.00	0	\$0.00	0	\$0.00	3,400	\$23,800.00	4,200	\$29,400.00
5 3" PVC	LF	5.00	0	\$0.00	10,000	\$50,000.00	3,000	\$15,000.00	0	\$0.00	0	\$0.00
6 6" DI	LF	12.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
7 4" DI	EA	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	700	\$5,600.00
8 12" Gate Valve	EA	1,500.00	2	\$3,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9 6" Gate Valve	EA	450.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
10 4" Gate Valve	EA	400.00	0	\$0.00	0	\$0.00	0	\$0.00	4	\$1,600.00	3	\$1,200.00
11 3" Gate Valve	EA	350.00	0	\$0.00	7	\$2,450.00	2	\$700.00	0	\$0.00	0	\$0.00
12 3-Inch Blow-Off	EA	500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
13 Pavement Replacement	LF	8.00	2,000	\$16,000.00	1,000	\$8,000.00	300	\$2,400.00	300	\$2,400.00	400	\$3,200.00
14 5/8" x 3/4" Meter Installation	EA	400.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
15 3/4" Service Tubing	LF	5.75	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
16 Creek Crossing for 6"	LF	60.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17 Creek Crossing for 4"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
18 Creek Crossing Test Meter	EA	500.00	1	\$500.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$500.00
19 Bore & Case for 8"	LF	150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20 Open Cut & Case for 8"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
21 Bore & Case for 6"	LF	130.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
22 Open Cut & Case for 6"	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
23 Bore & Case for 3" & 4"	LF	110.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
24 Open Cut & Case for 3" & 4"	LF	35.00	0	\$0.00	50	\$1,750.00	100	\$3,500.00	100	\$3,500.00	50	\$1,750.00
25 6" DI, B & S	LF	100.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
26 4" DI, B & S	LF	80.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	300	\$24,000.00
27 12" x 12" TS&V	EA	4,000.00	2	\$8,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
28 8" x 6" TS&V	EA	1,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
29 6" x 6" TS&V	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
30 6" x 4" TS&V	EA	1,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
31 4" x 4" TS&V	EA	900.00	1	\$900.00	0	\$0.00	1	\$900.00	0	\$0.00	0	\$0.00
32 3" x 3" TS&V	EA	800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
33 Control Valve Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
34 Pressure Reducing Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
35 Pump Station	EA	60,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
36 CL. 3 Channel Lining	Ton	10.00	25,000	\$250,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
37 Telemetry	LF	30,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
38 Final Pipeline Cleanup	LF	0.70	2,000	\$1,400.00	10,000	\$7,000.00	3,000	\$2,100.00	3,400	\$2,380.00	4,900	\$3,430.00
			\$815,800.00		\$69,200.00		\$24,600.00		\$33,680.00		\$69,080.00	

EXHIBIT 1

(CONTINUED)

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(6) Stewart Road		(7) Pleas. Field Ch. Road		(8) Dry Creek Road		(9) Amos-Long Creek		(10) Cedar Lane	
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
1 12" DI, B & S	LF	300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
2 12" DI, Loc. Gask.	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3 6" PVC	LF	8.00	0	\$0.00	0	\$0.00	0	\$0.00	3,600	\$28,800.00	0	\$0.00
4 4" PVC	LF	7.00	4,000	\$28,000.00	17,000	\$119,000.00	6,400	\$44,800.00	0	\$0.00	4,000	\$28,000.00
5 3" PVC	LF	5.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
6 6" DI	LF	12.00	0	\$0.00	0	\$0.00	0	\$0.00	2,400	\$28,800.00	0	\$0.00
7 4" DI	EA	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
8 12" Gate Valve	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9 6" Gate Valve	EA	450.00	0	\$0.00	0	\$0.00	0	\$0.00	5	\$2,250.00	0	\$0.00
10 4" Gate Valve	EA	400.00	3	\$1,200.00	10	\$4,000.00	5	\$2,000.00	0	\$0.00	3	\$1,200.00
11 3" Gate Valve	EA	350.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
12 3-Inch Blow-Off	EA	500.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00
13 Pavement Replacement	LF	8.00	400	\$3,200.00	1,700	\$13,600.00	600	\$4,800.00	400	\$3,200.00	400	\$3,200.00
14 5/8" x 3/4" Meter Installation	EA	400.00	0	\$0.00	3	\$1,200.00	0	\$0.00	0	\$0.00	0	\$0.00
15 3/4" Service Tubing	LF	5.75	0	\$0.00	200	\$1,150.00	0	\$0.00	0	\$0.00	0	\$0.00
16 Creek Crossing for 6"	LF	60.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17 Creek Crossing for 4"	LF	50.00	0	\$0.00	20	\$1,000.00	20	\$1,000.00	20	\$1,000.00	0	\$0.00
18 Creek Crossing Test Meter	EA	500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
19 Bore & Case for 8"	LF	150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20 Open Cut & Case for 8"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
21 Bore & Case for 6"	LF	130.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
22 Open Cut & Case for 6"	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
23 Bore & Case for 3" & 4"	LF	110.00	50	\$5,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
24 Open Cut & Case for 3" & 4"	LF	35.00	0	\$0.00	150	\$5,250.00	100	\$3,500.00	100	\$3,500.00	100	\$3,500.00
25 6" DI, B & S	LF	100.00	0	\$0.00	0	\$0.00	0	\$0.00	300	\$30,000.00	0	\$0.00
26 4" DI, B & S	LF	80.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
27 12" x 12" TS&V	EA	4,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
28 8" x 6" TS&V	EA	1,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
29 6" x 6" TS&V	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
30 6" x 4" TS&V	EA	1,000.00	0	\$0.00	1	\$1,000.00	0	\$0.00	0	\$0.00	0	\$0.00
31 4" x 4" TS&V	EA	900.00	2	\$1,800.00	1	\$900.00	1	\$900.00	0	\$0.00	2	\$1,800.00
32 3" x 3" TS&V	EA	800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
33 Control Valve Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
34 Pressure Reducing Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
35 Pump Station	EA	60,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
36 CL. 3 Channel Lining	Ton	10.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
37 Telemetry	LF	30,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
38 Final Pipeline Cleanup	LF	0.70	4,000	2,800.00	17,000	11,900.00	6,400	4,480.00	6,000	4,200.00	4,000	2,800.00
			\$43,500.00		\$160,000.00		\$62,480.00		\$102,750.00		\$41,500.00	

EXHIBIT 1

(CONTINUED)

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(11) Forest Springs Road		(12) Snake Creek Road		(13) Harrison School Road		(14) Old Gainsville Road		(15) Clifton Ch. Road	
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
1 12" DI, B & S	LF	300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
2 12" DI, Loc. Gask.	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3 6" PVC	LF	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
4 4" PVC	LF	7.00	5,200	\$36,400.00	8,000	\$56,000.00	0	\$0.00	0	\$0.00	0	\$0.00
5 3" PVC	LF	5.00	0	\$0.00	0	\$0.00	1,200	\$6,000.00	3,200	\$16,000.00	8,000	\$40,000.00
6 6" DI	LF	12.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
7 4" DI	EA	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
8 12" Gate Valve	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9 6" Gate Valve	EA	450.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
10 4" Gate Valve	EA	400.00	3	\$1,200.00	4	\$1,600.00	0	\$0.00	0	\$0.00	0	\$0.00
11 3" Gate Valve	EA	350.00	0	\$0.00	0	\$0.00	2	\$700.00	3	\$1,050.00	4	\$1,400.00
12 3-Inch Blow-Off	EA	500.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00
13 Pavement Replacement	LF	8.00	500	\$4,000.00	800	\$6,400.00	100	\$800.00	300	\$2,400.00	800	\$6,400.00
14 5/8" x 3/4" Meter Installation	EA	400.00	0	\$0.00	3	\$1,200.00	0	\$0.00	0	\$0.00	0	\$0.00
15 3/4" Service Tubing	LF	5.75	0	\$0.00	180	\$1,035.00	0	\$0.00	0	\$0.00	0	\$0.00
16 Creek Crossing for 6"	LF	60.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17 Creek Crossing for 4"	LF	50.00	20	\$1,000.00	20	\$1,000.00	0	\$0.00	20	\$1,000.00	0	\$0.00
18 Creek Crossing Test Meter	EA	500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
19 Bore & Case for 8"	LF	150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20 Open Cut & Case for 8"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
21 Bore & Case for 6"	LF	130.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
22 Open Cut & Case for 6"	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
23 Bore & Case for 3" & 4"	LF	110.00	0	\$0.00	0	\$0.00	30	\$3,300.00	0	\$0.00	0	\$0.00
24 Open Cut & Case for 3" & 4"	LF	35.00	100	\$3,500.00	100	\$3,500.00	0	\$0.00	100	\$3,500.00	100	\$3,500.00
25 6" DI, B & S	LF	100.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
26 4" DI, B & S	LF	80.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
27 12" x 12" TS&V	EA	4,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
28 8" x 6" TS&V	EA	1,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
29 6" x 6" TS&V	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
30 6" x 4" TS&V	EA	1,000.00	0	\$0.00	0	\$0.00	1	\$1,000.00	0	\$0.00	0	\$0.00
31 4" x 4" TS&V	EA	900.00	2	\$1,800.00	2	\$1,800.00	0	\$0.00	0	\$0.00	2	\$1,800.00
32 3" x 3" TS&V	EA	800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
33 Control Valve Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
34 Pressure Reducing Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
35 Pump Station	EA	60,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
36 CL 3 Channel Lining	EA	10.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
37 Telemetry	LF	30,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
38 Final Pipeline Cleanup	LF	0.70	5,200	\$3,640.00	8,000.00	\$5,600.00	\$1,200.00	\$840.00	\$3,200.00	\$2,240.00	\$8,000.00	\$5,600.00
				\$52,540.00		\$79,135.00		\$13,640.00		\$27,190.00		\$59,700.00

EXHIBIT 1

(CONTINUED)

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(16) Meador/Pt. Oliver Road		(17) Settle Road		(18) Big Springs Road		(19) Carl Hurt Road		(20) A. R. Oliver Road						
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost					
1	12" DI, B & S	LF	300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
2	12" DI, Loc. Gask.	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
3	6" PVC	LF	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
4	4" PVC	LF	7.00	3,000	\$21,000.00	0	\$0.00	3,000	\$21,000.00	3,200	\$22,400.00	10,400	\$72,800.00				
5	3" PVC	LF	5.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
6	6" DI	LF	12.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
7	4" DI	EA	8.00	0	\$0.00	3,000	\$24,000.00	3,000	\$24,000.00	1,600	\$12,800.00	0	\$0.00				
8	12" Gate Valve	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
9	6" Gate Valve	EA	450.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
10	4" Gate Valve	EA	400.00	3	\$1,200.00	3	\$1,200.00	3	\$1,200.00	3	\$1,200.00	5	\$2,000.00				
11	3" Gate Valve	EA	350.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
12	3-Inch Blow-Off	EA	500.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00				
13	Pavement Replacement	LF	8.00	300	\$2,400.00	300	\$2,400.00	400	\$3,200.00	300	\$2,400.00	1,000	\$8,000.00				
14	5/8" x 3/4" Meter Installation	EA	400.00	0	\$0.00	2	\$800.00	0	\$0.00	0	\$0.00	0	\$0.00				
15	3/4" Service Tubing	LF	5.75	0	\$0.00	180	\$1,035.00	0	\$0.00	0	\$0.00	0	\$0.00				
16	Creek Crossing for 6"	LF	60.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
17	Creek Crossing for 4"	LF	50.00	20	\$1,000.00	0	\$0.00	20	\$1,000.00	50	\$2,500.00	0	\$0.00				
18	Creek Crossing Test Meter	EA	500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
19	Bore & Case for 8"	LF	150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
20	Open Cut & Case for 8"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
21	Bore & Case for 6"	LF	130.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
22	Open Cut & Case for 6"	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
23	Bore & Case for 3" & 4"	LF	110.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
24	Open Cut & Case for 3" & 4"	LF	35.00	100	\$3,500.00	50	\$1,750.00	100	\$3,500.00	80	\$2,800.00	100	\$3,500.00				
25	6" DI, B & S	LF	100.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
26	4" DI, B & S	LF	80.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
27	12" x 12" TS&V	EA	4,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
28	8" x 6" TS&V	EA	1,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
29	6" x 6" TS&V	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
30	6" x 4" TS&V	EA	1,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
31	4" x 4" TS&V	EA	900.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
32	3" x 3" TS&V	EA	800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
33	Control Valve Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
34	Pressure Reducing Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
35	Pump Station	EA	60,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
36	CL. 3 Channel Lining	EA	10.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
37	Telemetry	LF	30,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00				
38	Final Pipeline Cleanup	LF	0.70	3,000	\$2,100.00	3,000	\$2,100.00	\$6,000.00	\$4,200.00	\$4,800.00	\$3,360.00	\$10,400.00	\$7,280.00				
					\$32,200.00			\$34,285.00			\$59,100.00			\$48,460.00			\$94,580.00

EXHIBIT 1

(CONTINUED)

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(21) Halifax Road		(22) East-Old Street Burnley Road		(23) Michell Weaver Road		(24) Hwy 1332		(25) W. Old State Road	
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
1 12" DI, B & S	LF	300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
2 12" DI, Loc. Gask.	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3 6" PVC	LF	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
4 4" PVC	LF	7.00	2,600	\$18,200.00	5,800	\$40,600.00	2,600	\$18,200.00	8,200	\$57,400.00	4,500	\$31,500.00
5 3" PVC	LF	5.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
6 6" DI	LF	12.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
7 4" DI	EA	8.00	800	\$6,400.00	3,200	\$25,600.00	400	\$3,200.00	0	\$0.00	500	\$4,000.00
8 12" Gate Valve	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9 6" Gaate Valve	EA	450.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
10 4" Gate Valve	EA	400.00	3	\$1,200.00	5	\$2,000.00	3	\$1,200.00	4	\$1,600.00	3	\$1,200.00
11 3" Gate Valve	EA	350.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
12 3-Inch Blow-Off	EA	500.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00
13 Pavement Replacement	LF	8.00	250	\$2,000.00	500	\$4,000.00	250	\$2,000.00	800	\$6,400.00	400	\$3,200.00
14 5/8" x 3/4" Meter Installation	EA	400.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
15 3/4" Service Tubing	LF	5.75	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
16 Creek Crossing for 6"	LF	60.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17 Creek Crossing for 4"	LF	50.00	0	\$0.00	60	\$3,000.00	30	\$1,500.00	60	\$3,000.00	0	\$0.00
18 Creek Crossing Test Meter	EA	500.00	0	\$0.00	1	\$500.00	0	\$0.00	1	\$500.00	0	\$0.00
19 Bore & Case for 8"	LF	150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20 Open Cut & Case for 8"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
21 Bore & Case for 6"	LF	130.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
22 Open Cut & Case for 6"	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
23 Bore & Case for 3" & 4"	LF	110.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
24 Open Cut & Case for 3" & 4"	LF	35.00	80	\$2,800.00	80	\$2,800.00	50	\$1,750.00	80	\$2,800.00	80	\$2,800.00
25 6" DI, B & S	LF	100.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
26 4" DI, B & S	LF	80.00	0	\$0.00	0	\$0.00	100	\$8,000.00	1,000	\$80,000.00	200	\$16,000.00
27 12" x 12" TS&V	EA	4,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
28 8" x 6" TS&V	EA	1,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
29 6" x 6" TS&V	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
30 6" x 4" TS&V	EA	1,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
31 4" x 4" TS&V	EA	900.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$900.00	0	\$0.00
32 3" x 3" TS&V	EA	800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
33 Control Valve Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
34 Pressure Reducing Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
35 Pump Station	EA	60,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
36 CL. 3 Channel Lining	Ton	10.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
37 Telemetry	LF	30,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
38 Final Pipeline Cleanup	LF	0.70	3,400	\$2,380.00	9,000	\$6,300.00	3,000	\$2,100.00	8,200	\$5,740.00	5,000	\$3,500.00
			\$33,980.00		\$85,800.00		\$38,950.00		\$159,340.00		\$63,200.00	

EXHIBIT 1

(CONTINUED)

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(26) Shirk/Syd Lamb Road		(27) Hwy 100 at Trammel Fk.		(28) Cedar Creek Road		(29) Alonzo/Long Hollow Road		(30) New Roe Road	
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
1 12" DI, B & S	LF	300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
2 12" DI, Loc. Gask.	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3 6" PVC	LF	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
4 4" PVC	LF	7.00	16,600	\$116,200.00	0	\$0.00	2,600	\$18,200.00	11,000	\$77,000.00	6,000	\$42,000.00
5 3" PVC	LF	5.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
6 6" DI	LF	12.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
7 4" DI	EA	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
8 12" Gate Valve	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9 6" Gate Valve	EA	450.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
10 4" Gate Valve	EA	400.00	8	\$3,200.00	0	\$0.00	2	\$800.00	5	\$2,000.00	3	\$1,200.00
11 3" Gate Valve	EA	350.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
12 3-Inch Blow-Off	EA	500.00	2	\$1,000.00	0	\$0.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00
13 Pavement Replacement	LF	8.00	1,600	\$12,800.00	0	\$0.00	300	\$2,400.00	1,000	\$8,000.00	600	\$4,800.00
14 5/8" x 3/4" Meter Installation	EA	400.00	2	\$800.00	0	\$0.00	1	\$400.00	6	\$2,400.00	3	\$1,200.00
15 3/4" Service Tubing	LF	5.75	120	\$690.00	0	\$0.00	60	\$345.00	0	\$0.00	180	\$1,035.00
16 Creek Crossing for 6"	LF	60.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17 Creek Crossing for 4"	LF	50.00	100	\$5,000.00	0	\$0.00	0	\$0.00	100	\$5,000.00	30	\$1,500.00
18 Creek Crossing Test Meter	EA	500.00	1	\$500.00	0	\$0.00	0	\$0.00	1	\$500.00	0	\$0.00
19 Bore & Case for 8"	LF	150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20 Open Cut & Case for 8"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
21 Bore & Case for 6"	LF	130.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
22 Open Cut & Case for 6"	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
23 Bore & Case for 3" & 4"	LF	110.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
24 Open Cut & Case for 3" & 4"	LF	35.00	150	\$5,250.00	0	\$0.00	50	\$1,750.00	200	\$7,000.00	100	\$3,500.00
25 6" DI, B & S	LF	100.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
26 4" DI, B & S	LF	80.00	0	\$0.00	500	\$40,000.00	0	\$0.00	0	\$0.00	0	\$0.00
27 12" x 12" TS&V	EA	4,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
28 8" x 6" TS&V	EA	1,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
29 6" x 6" TS&V	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
30 6" x 4" TS&V	EA	1,000.00	1	\$1,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
31 4" x 4" TS&V	EA	900.00	2	\$1,800.00	0	\$0.00	1	\$900.00	0	\$0.00	1	\$900.00
32 3" x 3" TS&V	EA	800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
33 Control Valve Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
34 Pressure Reducing Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
35 Pump Station	EA	60,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
36 CL. 3 Channel Lining	Ton	10.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
37 Telemetry	LF	30,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
38 Final Pipeline Cleanup	LF	0.70	16,600	\$11,620.00	\$0.00	\$0.00	\$2,600.00	\$1,820.00	\$11,000.00	\$7,700.00	\$6,000.00	\$4,200.00
				\$159,860.00		\$40,000.00		\$27,615.00		\$110,600.00		\$61,335.00

EXHIBIT 1

(CONTINUED)

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(31) Wilkerson Road		(32) Anderson Road		(33) Claudius Harris Road		(34) O'Neal Road		(35) Gallatin Road	
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
1 12" DI, B & S	LF	300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
2 12" DI, Loc. Gask.	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3 6" PVC	LF	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	6,000	\$48,000.00
4 4" PVC	LF	7.00	4,400	\$30,800.00	4,800	\$33,600.00	10,000	\$70,000.00	8,000	\$56,000.00	0	\$0.00
5 3" PVC	LF	5.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
6 6" DI	LF	12.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
7 4" DI	EA	8.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
8 12" Gate Valve	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9 6" Gate Valve	EA	450.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
10 4" Gate Valve	EA	400.00	2	\$800.00	2	\$800.00	5	\$2,000.00	4	\$1,600.00	5	\$2,000.00
11 3" Gate Valve	EA	350.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
12 3-Inch Blow-Off	EA	500.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00
13 Pavement Replacement	LF	8.00	400	\$3,200.00	500	\$4,000.00	1,000	\$8,000.00	800	\$6,400.00	600	\$4,800.00
14 5/8" x 3/4" Meter Installation	EA	400.00	2	\$800.00	2	\$800.00	0	\$0.00	0	\$0.00	0	\$0.00
15 3/4" Service Tubing	LF	5.75	120	\$690.00	120	\$690.00	0	\$0.00	0	\$0.00	0	\$0.00
16 Creek Crossing for 6"	LF	60.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17 Creek Crossing for 4"	LF	50.00	30	\$1,500.00	60	\$3,000.00	160	\$8,000.00	100	\$5,000.00	100	\$5,000.00
18 Creek Crossing Test Meter	EA	500.00	1	\$500.00	1	\$500.00	1	\$500.00	1	\$500.00	2	\$1,000.00
19 Bore & Case for 8"	LF	150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20 Open Cut & Case for 8"	LF	50.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
21 Bore & Case for 6"	LF	130.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
22 Open Cut & Case for 6"	LF	40.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
23 Bore & Case for 3" & 4"	LF	110.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
24 Open Cut & Case for 3" & 4"	LF	35.00	50	\$1,750.00	50	\$1,750.00	150	\$5,250.00	100	\$3,500.00	0	\$0.00
25 6" DI, B & S	LF	100.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	300	\$30,000.00
26 4" DI, B & S	LF	80.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
27 12" x 12" TS&V	EA	4,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
28 8" x 6" TS&V	EA	1,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
29 6" x 6" TS&V	EA	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
30 6" x 4" TS&V	EA	1,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
31 4" x 4" TS&V	EA	900.00	1	\$900.00	2	\$1,800.00	1	\$900.00	2	\$1,800.00	0	\$0.00
32 3" x 3" TS&V	EA	800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
33 Control Valve Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
34 Pressure Reducing Station	EA	7,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
35 Pump Station	EA	60,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
36 CL. 3 Channel Lining	EA	10.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
37 Telemetry	LF	30,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
38 Final Pipeline Cleanup	LF	0.70	4,400	\$3,080.00	4,800	\$3,360.00	10,000	\$7,000.00	8,000	\$5,600.00	6,000	\$4,200.00
			\$45,020.00		\$51,300.00		\$102,650.00		\$81,400.00		\$96,000.00	

EXHIBIT 1

(CONTINUED)

OPINION OF PROBABLE CONSTRUCTION COST

Item	Unit	Unit Cost	(36) Kay Brown Road						Total Cost		
			Quantity	Cost	Quantity	Cost			Quantity	Cost	
1	12" DI, B & S	LF	300.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
2	12" DI, Loc. Gask.	LF	40.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
3	6" PVC	LF	8.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
4	4" PVC	LF	7.00	2,400	\$16,800.00		\$0.00		\$0.00	0	\$0.00
5	3" PVC	LF	5.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
6	6" DI	LF	12.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
7	4" DI	EA	8.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
8	12" Gate Valve	EA	1,500.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
9	6" Gate Valve	EA	450.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
10	4" Gate Valve	EA	400.00	2	\$800.00		\$0.00		\$0.00	0	\$0.00
11	3" Gate Valve	EA	350.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
12	3-Inch Blow-Off	EA	500.00	2	\$1,000.00		\$0.00		\$0.00	0	\$0.00
13	Pavement Replacement	LF	8.00	200	\$1,600.00		\$0.00		\$0.00	0	\$0.00
14	5/8" x 3/4" Meter Installation	EA	400.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
15	3/4" Service Tubing	LF	5.75	0	\$0.00		\$0.00		\$0.00	0	\$0.00
16	Creek Crossing for 6"	LF	60.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
17	Creek Crossing for 4"	LF	50.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
18	Creek Crossing Test Meter	EA	500.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
19	Bore & Case for 8"	LF	150.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
20	Open Cut & Case for 8"	LF	50.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
21	Bore & Case for 6"	LF	130.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
22	Open Cut & Case for 6"	LF	40.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
23	Bore & Case for 3" & 4"	LF	110.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
24	Open Cut & Case for 3" & 4"	LF	35.00	50	\$1,750.00		\$0.00		\$0.00	0	\$0.00
25	6" DI, B & S	LF	100.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
26	4" DI, B & S	LF	80.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
27	12" x 12" TS&V	EA	4,000.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
28	8" x 6" TS&V	EA	1,800.00		\$0.00		\$0.00		\$0.00	0	\$0.00
29	6" x 6" TS&V	EA	1,500.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
30	6" x 4" TS&V	EA	1,000.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
31	4" x 4" TS&V	EA	900.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
32	3" x 3" TS&V	EA	800.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
33	Control Valve Station	EA	7,000.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
34	Pressure Reducing Station	EA	7,000.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
35	Pump Station	EA	60,000.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
36	CL. 3 Channel Lining	EA	10.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
37	Telemetry	LF	30,000.00	0	\$0.00		\$0.00		\$0.00	0	\$0.00
38	Final Pipeline Cleanup	LF	0.70	2,400	\$1,680.00		\$0.00		\$0.00	0	\$0.00
					\$23,630.00		\$0.00		\$0.00		\$0.00

EXHIBIT 2

OPINION OF PROBABLE CONSTRUCTION COST

<u>MAP NO.</u>	<u>EXTENSION</u>	<u>CONSTRUCTION COST</u>	<u>CUSTOMERS</u>
1	12" Lake Crossing	\$815,800	
6	Stewart Road	43,500	
7	Pleasant Field Church Road	160,000	3
12	Snake Creek Road	79,135	3
17	Settle Road	34,285	2
18	Big Springs Road	59,100	
19	Carl Hurt Road	48,460	
20	A.R. Oliver Road	94,580	
26	Shirk / Syd Lamb Roads	159,860	2
29	Alonzo / Long Hollow Road	110,600	6
30	New Roe Road	61,335	3
31	Wilkerson Road	45,020	2
32	Anderson Road	51,300	2
36	Kay Brown Road	23,630	
	TOTALS	\$1,786,605	23

EXHIBIT 3

OPINION OF PROBABLE PROJECT COST AND FUNDING

I. PROJECT COST

1. CONSTRUCTION COST		\$1,787,000
2. ENGINEERING		
Preliminary Engineering Report	\$7,000	
Design	132,000	
Construction Observation	68,500	
Environmental	<u>10,500</u>	
		\$218,000
3. LEGAL		
Local Counsel	\$7,000	
Bond Counsel	<u>12,000</u>	
		\$19,000
4. CAPITALIZED INTEREST		60,000
5. CONTINGENCIES		<u>180,000</u>
		\$219,000
	TOTAL PROJECT COST	\$2,264,000

II. PROJECT FUNDING

Rural Development Loan	\$1,614,000	
Rural Development Grant	500,000	
Owner Contribution	<u>150,000</u>	
	\$2,264,000	
	TOTAL PROJECT FUNDING	\$2,264,000

EXHIBIT 4

ADJUSTMENTS TO TEST YEAR, 2001

1. SALARIES

2002	\$196,493 x .05 =	\$9,825
2003	\$206,318 x .05 =	10,316
2004	\$216,634 x .05 =	10,832
2005	\$227,466 x .05 =	<u>11,373</u>
		\$42,346

FICA: \$238,839 x .0762 = \$18,200

TOTAL ADJUSTMENT \$60,546

2. HEALTH INSURANCE

Health Insurance Premium during 2001 = \$3,300 x 12 = \$39,600

25% Increase for 2003 = \$39,600 x 1.25 = \$49,500

Projected 25% Increase for 2005 = \$49,500 x 1.25 = \$61,875

TOTAL ADJUSTMENT TO 2005 = \$61,875 - \$39,600 = \$22,275

3. ADDED CUSTOMERS TO EXISTING SYSTEM

3.1 Expenses

Dec. 31, 2002 Customer Count	3,977
Avg. Customer Count during 2001	<u>(-) 3,704</u>
Total Added Customers	273

Cost of Water: 273 x 4.2 M Gals/Mo x 12 ÷ 0.92 x \$1.05 = \$15,703

Pumping: 14,956 M Gals x \$0.07 = 1,047

Customer Accounts: 273 cust. x \$28 = 7,644

Admin. & General: 273 cust. x \$25 = 6,825

TOTAL ADJUSTMENT \$31,219

3.2 Revenues

273 Customers x \$29.83 x 12 = **\$97,723**

4. PROPOSED PROJECT

4.1 Expenses

Water: 16 New Customers x 4.2 M Gals. x 12 ÷ 0.92 x \$1.05 =	\$920
Pumping: 877 M Gals. x \$0.07 =	61
Customer Accounts: 16 Customers x \$28 =	448
Transmission & Distribution: 176 inch-miles x \$50 =	8,800
Admin. & General: 16 Customers x \$25 =	<u>400</u>
TOTAL ADJUSTMENT	\$10,629

4.2 Revenues

16 Customers x \$29.83 x 12 =	\$5,727
-------------------------------	---------

4.3 Depreciation

\$1,787,000 ÷ 50 years =	\$35,740
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5. DEBT SERVICE

5.1 Proposed Project

\$1,614,000 x .05929 =	\$95,694
Interest = \$80,700	
Principal = \$15,000	

5.2 Existing

From Summary / Addendum, page 5 for 2005

	<u>Principal</u>	<u>Interest</u>
RD	\$44,500	\$154,502
KRWFC	13,992	18,432

6. Case Credit Corporation note matures January, 2005, therefore was excluded from 2005 expenses.

SUMMARY ADDENDUM
TO
PRELIMINARY ENGINEERING REPORT

DATED January 15, 2003

FOR

Allen County Water District
Phase 7: Water System Extensions and Reinforcements
(NAME OF PROJECT)

APPLICANT CONTACT PERSON Bobby Petty

APPLICANT PHONE NUMBER (270) 622-3040

APPLICANT TAX IDENTIFICATION NUMBER (TIN) 61-0997995

ITEMS IN BOLD ITALIC PRINT ARE APPLICABLE TO SEWER SYSTEMS.

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

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

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

I. GENERAL

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

Installation of 25 miles of pipeline in sizes 4 – inch through 12 – inch to provide system looping. The primary element is a 12 – inch transmission line across Barren River Lake to provide duplicity. Service will be made available to 23 new customers.

II. **FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM**

A. *Sewage Treatment:*

1. *Type* _____

2. *Method of Sludge Disposal* _____

3. *Cost per 1,000 gallons is sewage treatment is contracted:*

\$ _____

4. *Date Constructed* _____

B. *Treatment Capacity of Sewage Treatment Plant* _____

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

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

E. Sewage Collection System:

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

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

III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM

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

See page 3A

If the applicant purchases water:

Seller(s);

1. City of Glasgow _____
2. City of Scottsville _____
3. _____

Price/1,000 gallons:

1. \$ 1.05 _____
2. \$ 2.03 _____
3. _____

Present Estimated Market Value of Existing System: \$ 12,106,300

PAGE 3A
ITEM III – A WATER SOURCE

Allen County Water District purchases approximately 97% of its treated water from the city of Glasgow. Approximately 3% is purchased from the city of Scottsville for the District's customers along Highway 31-E that are connected to the transmission line from Scottsville's treatment facility at Barren River Lake into Scottsville. The raw water source for both Glasgow and Scottsville is Barren River Lake. The quality of the raw water source is excellent and the quantity is virtually unlimited. The raw water intake for both cities is a concrete tower in the lake.

Allen County Water District's purchases, during January through December, 2001, were 256,480,300 gallons from the city of Glasgow and 7,935,900 gallons from the city of Scottsville. The present Glasgow water treatment capacity is 6 MGD at the lake facility and 2.5 MGD at the intown facility. The present demand is an average of 3.5 MGD with a peak of 4.0 MGD. Most of the Glasgow demand is produced at the lake facility. The lake facility is set up to expand to 9 MGD with the addition of clearwell capacity and upsizing the raw water pumps. The rate of \$1.05 per thousand gallons to ACWD includes the capital improvements cost. All of the demand for the additional customers in this project will be supplied from Glasgow. The present Glasgow treatment facility can easily accept the projected demand of 4600 GPD for the 23 potential customers in the proposed project. The present water purchase contract with Glasgow provides for One (1.0) MGD and has 32 years remaining. The average daily demand of ACWD from the Glasgow system during 2001 was 703,000 GPD (0.703 MGD).

B. Water Storage:

Type: Ground Storage Tank	_____	Elevated Tank	_____ 1
Standpipe	_____ 4	Other	_____
Number of Storage Structures	_____ 5		
Total Storage Volume Capacity	_____ 1,040,000		
Date Storage Tank(s) Constructed	_____ 1977 to 2000		

C. Water Distribution System:

Pipe Material	_____ PVC and Ductile			
Lineal Feet of Pipe: 3" Diameter	_____ 332,000	4"	_____ 1,360,000	
2" 40,131	_____ 6" 592,400	8"	_____ 75,700	
	_____ 10" 28,000	12"	_____ 105,600	
Date(s) Water Lines Constructed	_____ 1977 through 2000			
Number and Capacity of Pump Station(s)	_____ (1) 1000 GPM; (1) 180 GPM; (1) 400 GPM; (1) 120 GPM			

D. Condition of Existing Water System:

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

_____ The system is in excellent condition. After this project, the major item
 _____ Needed would be increased storage capacity depending on growth.

E. Percentage of Water Loss Existing System _____ 7.8%

IV. EXISTING LONG-TERM INDEBTEDNESS

A. List of Bonds and Notes:

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Principal Balance (1)</u>	<u>Payment Date</u>	<u>Bond Type Water/Sewer*</u>		<u>Amount on Deposit in Reserve Account</u>
1979 Issue	RD	\$ 41,000	Jan 1	%	%	
1990 Issue	RD	\$ 228,000	Jan 1	%	%	
1996 Issue	RD	\$ 576,000	Jan 1	%	%	
1997 Issue	RD	\$ 606,000	Jan 1	%	%	
1999 Issue	RD	\$ 1,969,000	Jan 1	%	%	
2001 Issue	KRWFC	\$ 401,000	Varies	%	%	

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

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

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Payment Year 2003</u>		<u>Payment Year 2004</u>		<u>Payment Year 2005</u>	
		<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>
1979 Issue	RD	1,500	1,900	1,500	1,825	1,500	1,750
1990 Issue	RD	4,000	11,000	4,000	10,800	4,000	10,600
1996 Issue	RD	8,000	25,200	8,000	24,840	9,000	24,435
1997 Issue	RD	6,500	28,933	6,500	28,616	7,000	28,275
1999 Issue	RD	21,000	91,580	22,000	90,535	23,000	89,442
2001 Issue	KRWFC	12,996	19,799	12,996	18,972	13,992	18,432

(1) Per December 31, 2001

V. EXISTING SHORT-TERM INDEBTEDNESS

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

<u>Lender or Lesser</u>	<u>Date of Issue (Month & Year)</u>	<u>Principal Balance</u>	<u>Purpose (Water and/ or Sewer)</u>	<u>Payment Date</u>	<u>Principal & Interest Payment (P&I)</u>	<u>Date to Be Paid In Full</u>
Case Credit Corp.	2/6/01	\$40,677	Water		\$1,212/ Month	1/6/05

VI. LAND AND RIGHTS - EXISTING SYSTEM(S)

Number of Treatment Plant Sites:	Water		<i>Sewer</i>	
Number of Storage Tank Sites:	Water	5	<i>Sewer</i>	
Number of Pump Stations:	Water	4	<i>Sewer</i>	
Total Acreage:	Water	6 Acres	<i>Sewer</i>	Acres
Purchase Price:	Water	\$ 0.00	<i>Sewer</i>	\$

VII. NUMBER OF EXISTING USERS

Residential (In Town)*	Water		<i>Sewer</i>
Residential (Out of Town)*		3,738	
Non-Residential (In Town)			
Non-Residential (Out of Town)		83	
Total		3,821	
Number to Total Potential Users Living in the Service Area		4,500	

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

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

<u>Meter Size</u>	<u>Water Connection Fee</u>	<u>Sewer Connection Fee</u>
5/8" x 3/4"	\$ 500	\$
1-Inch	\$ 700	\$
2-Inch	\$ 1100	\$

IX. SEWER RATES - EXISTING SYSTEM

Percentage of Water Bill _____ % *Minimum Charge* \$ _____

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

Date This Rate Went Into Effect _____

X. WATER RATES - EXISTING SYSTEM

Existing Rate Schedule:

First	<u>2,000</u>	Gallons @	<u>\$ 16.17</u>	Minimum.
Next	<u>3,000</u>	Gallons @	<u>\$ 6.21</u>	per 1,000 Gallons.
Next	<u>5,000</u>	Gallons @	<u>\$ 5.16</u>	per 1,000 Gallons.
Next	<u>60,000</u>	Gallons @	<u>\$ 4.66</u>	per 1,000 Gallons.
Next	_____	Gallons @	<u>\$</u>	per 1,000 Gallons.
Next	_____	Gallons @	<u>\$</u>	per 1,000 Gallons.
All Over	<u>70,000</u>	Gallons @	<u>\$ 4.21</u>	per 1,000 Gallons.

Date This Rate Went Into Effect May 25, 1993

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

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

For Period _____ to _____.

*All
Meter
Sizes*

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

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

For Period January to December, 2001.

All
Meter
Sizes

<u>Monthly Sewer Usage</u>			<u>Average</u>	<u>Residential</u>		<u>Non-Residential</u>	
				No. of Users	Usage (1000)	No. of Users	Usage (1000)
0	-	2,000 Gal.	1,000	13308	12041.4	342	204.4
2,000	-	3,000 Gal.	2,500	7114	18247.0	66	174.1
3,000	-	4,000 Gal.	3,500	7106	25124.4	53	187.3
4,000	-	5,000 Gal.	4,500	5329	24130.2	54	246.0
5,000	-	6,000 Gal.	5,500	3616	19919.6	42	230.8
6,000	-	7,000 Gal.	6,500	2196	14294.2	26	168.5
7,000	-	8,000 Gal.	7,500	1326	9966.3	23	190.8
8,000	-	9,000 Gal.	8,500	836	7112.4	24	186.1
9,000	-	10,000 Gal.	9,500	544	5164.8	22	209.0
10,000	-	11,000 Gal.	10,500	396	4158.7	18	188.6
11,000	-	12,000 Gal.	11,500	239	2744.0	15	172.7
12,000	-	13,000 Gal.	12,500	157	1965.0	19	235.4
13,000	-	14,000 Gal.	13,500	116	1567.3	14	189.6
14,000	-	15,000 Gal.	14,500	107	1559.1	15	217.8
15,000	-	16,000 Gal.	15,500	73	1134.4	6	93.7
16,000	-	17,000 Gal.	16,500	59	974.5	6	99.5
17,000	-	18,000 Gal.	17,500	47	841.3	10	157.7
18,000	-	19,000 Gal.	18,500	41	759.8	5	93.0
19,000	-	20,000 Gal.	19,500	34	664.7	4	97.5
20,000	-	45,000 Gal.	26.8/29.8	215	5760.2	65	1934.7
45,000	-	70,000 Gal.	55.4/58.0	32	1772.7	23	1334.5
over	-	70,000 Gal.	35.7/365.5	37	5022.3	112	40900.5
Total				(49298)	(164924.3)	(964)	(47512.2)
Average Usage					(3.3)		(49.3)

Total Water Purchased and/or Produced

265,560

Total Water Sold

234,042

XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM

A. Sewage Treatment:

1. Type _____
2. Method of Sludge Disposal _____
3. Cost per 1,000 gallons if sewage treatment is contracted:
\$ _____

B. Treatment Capacity of Sewage Treatment Plant _____

C. Type of Sewage Collector System (Describe) _____

D. Number and Capacity of Sewage Lift Stations _____

E. Sewage Collection System:

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

XIV. LAND AND RIGHTS - PROPOSED SEWER SYSTEM

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

XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

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

See page 3, Item III-A

B. Water Storage: N/A

Type: Ground Storage Tank _____ Elevated Tank _____
 Standpipe _____ Other _____
 Number of Storage Structures _____
 Total Storage Volume Capacity _____

C. Water Distribution System:

Pipe Material	PVC and Ductile			
Lineal Feet of Pipe:	3" Diameter	25,400	4"	174,300
	6"	9,600	8"	
	10"		12"	8,200
Number and Capacity of Pump Station(s)	N/A			

XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM N/A

Number of Treatment Plant Sites _____
 Number of Storage Tank Sites _____
 Number of Pump Stations _____
 Total Acreage _____ Acres
 Purchase Price \$ _____

XVII. NUMBER OF NEW SEWER USERS

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

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

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

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

XIX. NUMBER OF NEW WATER USERS

Residential (In Town)*	
Residential (Out of Town)*	16
Non-Residential (In Town)	
Non-Residential (Out of Town)	
Total	
Number to Total Potential Users Living in the Service Area	23

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

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

<u>Meter Size</u>	<u>Connection Fee</u>
5/8" x 3/4"	\$ 500
1-Inch	\$ 700
1-1/2 Inch	\$
2-Inch	\$ 1100
3-Inch	\$
4-Inch	\$
5-Inch	\$
6-Inch	\$

XXI. SEWER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant:

Percentage of Water Bill _____ % Minimum Charge \$ _____
Other: (If Charge Not Based on Water Bill) _____

Proposed Rate Schedule: (Without RUS Grant)

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

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

B. Recommended Rate Schedule with RUS Grant:

Percentage of Water Bill _____ % Minimum Charge \$ _____
Other: (If Charge Not Based on Water Bill) _____

Proposed Rate Schedule: (With RUS Grant)

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

If more than one rate, use additional sheets.

XXII. WATER RATES - PROPOSED

A. Proposed Rate Schedule Without RUS Grant:

First	<u>2,000</u>	Gallons @	<u>\$ 16.17</u>	Minimum.
Next	<u>3,000</u>	Gallons @	<u>\$ 6.21</u>	per 1,000 Gallons.
Next	<u>5,000</u>	Gallons @	<u>\$ 5.16</u>	per 1,000 Gallons.
Next	<u>60,000</u>	Gallons @	<u>\$ 4.66</u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @	<u>\$</u>	per 1,000 Gallons.
Next	<u> </u>	Gallons @	<u>\$</u>	per 1,000 Gallons.
All Over	<u>70,000</u>	Gallons @	<u>\$ 4.21</u>	per 1,000 Gallons.

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

B. Recommended Rate Schedule with RUS Grant:

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

If more than one rate, use additional sheets.

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

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

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

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

1-Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
1-1/2 Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
2- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
3- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
4-Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()

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

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

5- Inch	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
			<i>Subtotal</i>			()	()	()	()	()
6- Inch	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
			<i>Subtotal</i>			()	()	()	()	()
		TOTALS			()	()	()			

MULTI-FAMILY AND APARTMENT USER ANALYSIS

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

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

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

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

1-Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
1-1/2 Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
2- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
3- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()
4-Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		<i>Subtotal</i>			()	()	()	()	()

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

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

5- Inch	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
			Subtotal			()	()	()	()	()
6- Inch	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
			Subtotal			()	()	()	()	()
		TOTALS			()	()	()			

MULTI-FAMILY AND APARTMENT USER ANALYSIS

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

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

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

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

XXV. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS

Meter Size*	Monthly Sewer Usage			Average	Average Rate	Residential			Non-Residential		
						No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
5/8 x 3/4 Inch	0	-	2,000 Gal.	1,000	16.17	13308	12041.4	215190	342	204.4	5530
	2,000	-	3,000 Gal.	2,500	19.28	7114	18247.0	137158	66	174.1	1272
	3,000	-	4,000 Gal.	3,500	25.49	7106	25124.4	181132	53	187.3	1351
	4,000	-	5,000 Gal.	4,500	31.70	5329	24130.2	168929	54	246.0	1712
	5,000	-	6,000 Gal.	5,500	37.38	3616	19919.6	135166	42	230.8	1570
	6,000	-	7,000 Gal.	6,500	42.54	2196	14294.2	93418	26	168.5	1106
	7,000	-	8,000 Gal.	7,500	47.70	1326	9966.3	63250	23	190.8	1097
	8,000	-	9,000 Gal.	8,500	52.86	836	7112.4	44191	24	186.1	1269
	9,000	-	10,000 Gal.	9,500	58.02	544	5164.8	31563	22	209.0	1276
	10,000	-	11,000 Gal.	10,500	62.93	396	4158.7	24920	18	188.6	1134
	11,000	-	12,000 Gal.	11,500	67.59	239	2744.0	16154	15	172.7	1014
	12,000	-	13,000 Gal.	12,500	72.25	157	1965.0	11343	19	235.4	1373
	13,000	-	14,000 Gal.	13,500	76.91	116	1567.3	8922	14	189.6	1077
	14,000	-	15,000 Gal.	14,500	81.57	107	1559.1	8728	15	217.8	1224
	15,000	-	16,000 Gal.	15,500	86.23	73	1134.4	6295	6	93.7	517
	16,000	-	17,000 Gal.	16,500	90.89	59	974.5	5362	6	99.5	545
	17,000	-	18,000 Gal.	17,500	95.55	47	841.3	4491	10	157.7	956
	18,000	-	19,000 Gal.	18,500	100.21	41	759.8	4109	5	43.0	501
	19,000	-	20,000 Gal.	19,500	104.87	34	664.7	3566	4	97.5	419
					138.89/	215	5760.2	29861	65	1934.7	9936
	20,000	-	45,000 Gal.	26.8/29.8	152.87						
					272.16/	32	1772.7	8709	23	1334.5	6538
	45,000	-	70,000 Gal.	55.4/58.0	284.28						
					616.80/	37	5022.3	22822	112	40900.5	177295
	over	-	70,000 Gal.	135.7/365.2	1582.99						
				Subtotal		(42928)	(164924.3)	(1,225,279)	(964)	(47512.2)	(218712)
				Average Monthly Rate	(28.54)						
				Average Monthly Usage			(3.3)			(49.3)	

City of Scottsville

\$2.34/1000 Gals.

22,020 51,527

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

** Number of users should reflect the actual number of "meter settings". (Reflects number of Annual Bills)

1-Inch		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Subtotal		()	()	()	()	()	()
1-1/2 Inch		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Subtotal		()	()	()	()	()	()
2- Inch		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Subtotal		()	()	()	()	()	()
3- Inch		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Gal.							
		Subtotal		()	()	()	()	()	()
4-Inch	First	55,000	Gal.	294.80			5	0	1474
	Next	15,000	Gal.						
	Over	70,000	Gal.	198.3	904.84		7	1372.3	6334
			Gal.						
			Gal.						
		Subtotal				(12)	(1372.3)	(7808)	

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

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

5- Inch	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
			Subtotal		()	()	()	()	()	()
6- Inch	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
			Subtotal		()	()	()	()	()	()
			TOTALS		()	()	(1225279)			278047

MULTI-FAMILY AND APARTMENT USER ANALYSIS

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

Name of Unit	Number of Units	Number of Meters	Revenue Calculations
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

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

1-Inch	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
		Subtotal			()	()	()	() () ()
1-1/2 Inch	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
		Subtotal			()	()	()	() () ()
2- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
		Subtotal			()	()	()	() () ()
3- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
		Subtotal			()	()	()	() () ()
4-Inch	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____
		Subtotal			()	()	()	() () ()

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

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

5- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		Subtotal			()	()	()	()	()
6- Inch	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
	_____	Gal.	_____	_____	_____	_____	_____	_____	_____
		Subtotal			()	()	()	()	()
		TOTALS			()	()	()		

MULTI-FAMILY AND APARTMENT USER ANALYSIS

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

Name of Unit	Number of Units	Number of Meters	Revenue Calculations
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

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

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

A. Operating Income:

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

B. Operation and Maintenance Expenses:

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

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

C. Non-Operating Income:

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

D. Net Income

\$ _____

E. Debt Repayment:

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

F. Balance Available for Coverage

\$ _____

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

A. Operating Income:

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

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

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

C. Non-Operating Income:

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

D. Net Income _____
\$ _____

E. Debt Repayment:

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

F. Balance Available for Coverage _____
\$ _____

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

A. Operating Income:

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

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

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

C. Non-Operating Income:

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

D. Net Income

\$ _____

E. Debt Repayment:

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

F. Balance Available for Coverage

\$ _____

XXX. CURRENT OPERATING BUDGET (WATER SYSTEM)

(As of the last full operating year.)

A. Operating Income:

Water Sales	\$ 1,437,253
Disconnect/Reconnect/Late Charge Fees	76,542
Other (Describe)	
Less Allowances and Deductions (Taxes)	(24,221)
Total Operating Income	\$ 1,489,574

B. Operation and Maintenance Expenses:

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

Source of Supply Expense	\$ 294,931
Pumping Expense	25,892
Water Treatment Expense	--
Transmission and Distribution Expense	320,403
Customer Accounts Expense	139,200
Administrative and General Expense	330,111
Total Operating Expenses	\$ 1,110,537
Net Operating Income	\$ 379,037

C. Non-Operating Income:

Interest on Deposits	\$ 122,062
Other (Identify)	1,434
Total Non-Operating Income	\$ 123,496

D. Net Income

\$ 502,533

E. Debt Repayment:

RUS Interest	\$ 175,336
RUS Principal	37,000
Non-RUS Interest	13,137
Non-RUS Principal	12,226
Total Debt Repayment	\$ 237,699

F. Balance Available for Coverage

\$ 264,834

XXXI. PROPOSED OPERATING BUDGET (WATER SYSTEM) EXISTING SYSTEM AND NEW USERS
 (1st Full Year of Operation) Year Ending 2005

A. Operating Income:

Water Sales	<u>\$ 1,540,703</u>
Disconnect/Reconnect/Late Charge Fees	<u>76,542</u>
Other (Describe)	
Less Allowances and Deductions (Taxes)	<u>(24,221)</u>
Total Operating Income	<u>\$ 1,593,024</u>

B. Operation and Maintenance Expenses:

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

Source of Supply Expense	<u>\$ 311,554</u>
Pumping Expense	<u>27,000</u>
Water Treatment Expense	<u>--</u>
Transmission and Distribution Expense	<u>370,492</u>
Customer Accounts Expense	<u>170,432</u>
Administrative and General Expense	<u>391,468</u>
Total Operating Expenses	<u>\$ 1,270,946</u>
Net Operating Income	<u>\$ 322,078</u>

C. Non-Operating Income:

Interest on Deposits	<u>\$ 100,000</u>
Other (Identify)	<u>1,434</u>
Total Non-Operating Income	<u>\$ 101,434</u>

D. Net Income \$ 423,512

E. Debt Repayment:

RUS Interest	<u>\$ 235,202</u>
RUS Principal	<u>59,500</u>
Non-RUS Interest	<u>19,120</u>
Non-RUS Principal	<u>13,992</u>
Total Debt Repayment	<u>\$ 327,814</u>

F. Balance Available for Coverage \$ 95,698

XXXII. PROPOSED OPERATING BUDGET (WATER SYSTEM) NEW USERS EXTENSION ONLY
 (1st Full Year of Operation) Year Ending 2005

A. Operating Income:

Water Sales	\$ 5,727
Disconnect/Reconnect/Late Charge Fees	_____
Other (Describe)	_____
Less Allowances and Deductions	(_____)
Total Operating Income	\$ 5,727

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

Source of Supply Expense	\$ 920
Pumping Expense	61
Water Treatment Expense	--
Transmission and Distribution Expense	44,540
Customer Accounts Expense	448
Administrative and General Expense	400
Total Operating Expenses	\$ 46,369
Net Operating Income	\$ (40,642)

C. Non-Operating Income:

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

D. Net Income \$ (40,642)

E. Debt Repayment:

RUS Interest	\$ 80,700
RUS Principal	15,000
Non-RUS Interest	_____
Non-RUS Principal	_____
Total Debt Repayment	\$ 95,700

F. Balance Available for Coverage \$ (136,342)

XXXIII. ESTIMATED PROJECT COST - SEWER
(Round to nearest \$100)

	<i>COLLECTION</i>	<i>TREATMENT</i>	<i>TOTAL</i>
<i>Development</i>	_____	_____	_____
<i>Land & Rights</i>	_____	_____	_____
<i>Legal</i>	_____	_____	_____
<i>Engineering</i>	_____	_____	_____
<i>Interest</i>	_____	_____	_____
<i>Contingencies</i>	_____	_____	_____
<i>Initial Operating and Maintenance</i>	_____	_____	_____
<i>Other</i>	_____	_____	_____
TOTAL	_____	_____	_____

XXXIV. ESTIMATED PROJECT FUNDING - SEWER

	<i>COLLECTION</i>	<i>TREATMENT</i>	<i>TOTAL</i>
<i>Applicant - User Contribution Fees</i>	_____	_____	_____
<i>Other - Applicant Contribution</i>	_____	_____	_____
<i>RUS Loan</i>	_____	_____	_____
<i>RUS Grant</i>	_____	_____	_____
<i>ARC Grant (If applicable)</i>	_____	_____	_____
<i>CDBG (If applicable)</i>	_____	_____	_____
<i>Other (Specify)</i>	_____	_____	_____
<i>Other (Specify)</i>	_____	_____	_____

XXXV. ESTIMATED PROJECT COST - WATER

Development	\$ 1,787,000
Land and Rights	10,000
Legal	19,000
Engineering	218,000
Interest	50,000
Contingencies	180,000
Initial Operating and Maintenance	
Other	
TOTAL	\$ 2,264,000

XXXVI. PROPOSED PROJECT FUNDING

Applicant - User Connection Fees	\$ 8,000
Other Applicant Contribution	142,000
RUS Financial Assistance	1,614,000
RUS Grant	500,000
ARC Grant (If applicable)	
CDBG Grant (If applicable)	
Other (Specify)	
Other (Specify)	
TOTAL	\$ 2,264,000

PROJECT MAPS

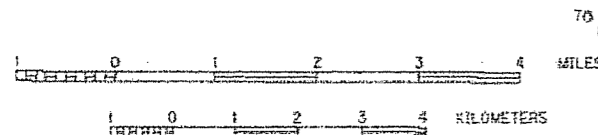
MAPS FOR PROPOSED PROJECT

MAPS FOR REMAINING TIE-INS

1999 EDITION

GENERAL HIGHWAY MAP ALLEN COUNTY KENTUCKY

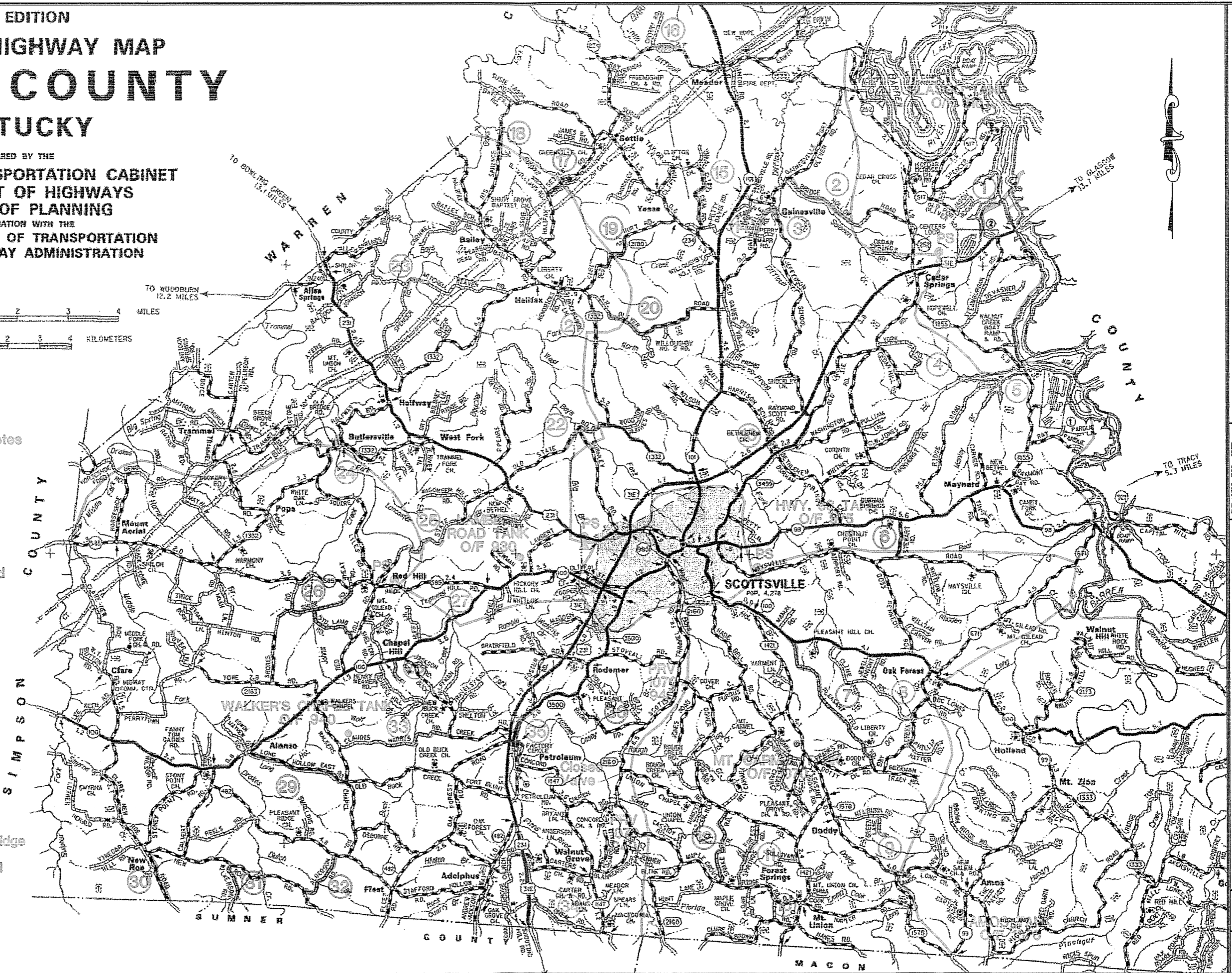
PREPARED BY THE
KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
DIVISION OF PLANNING
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



NOTES:

- 1. Lines shown in red denotes Proposed Project.
- 2. Lines shown in green denotes Pressure Zone Boundaries.

- 1. 12" Lake Crossing
- 2. Bridge Hollow Road
- 3. Jefferson School Road
- 4. J.W. York Road
- 5. Walnut Creek Road
- 6. Stewart Road
- 7. Pleasant Field Church Road
- 8. Dry Creek Road
- 9. Amos-Long Creek Road
- 10. Muri Williams Road
- 11. Forest Springs Road
- 12. Snake Creek Road
- 13. Harrison School Road
- 14. Old Gainesville Road.
- 15. Clifton Church Road
- 16. Meador Fort Road
- 17. Settle Road
- 18. Big Springs Road
- 19. Carl Hurt Road
- 20. A.R. Oliver Road
- 21. Halifax Road
- 22. Burnley Road
- 23. Mitchell Weaver Road
- 24. KY. 1332
- 25. West Old State Road
- 26. Shirk/Syd Lamb Road
- 27. KY. 100/Trammel Fork Bridge
- 28. Cedar Creek Road
- 29. Alonzo-Long Hollow Road
- 30. New Roe Road
- 31. Wilkerson Road
- 32. Anderson Road
- 33. Claudius Harris Road
- 34. O'Neil Road
- 35. US 231/31E
- 36. Roy Brown Road



ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY

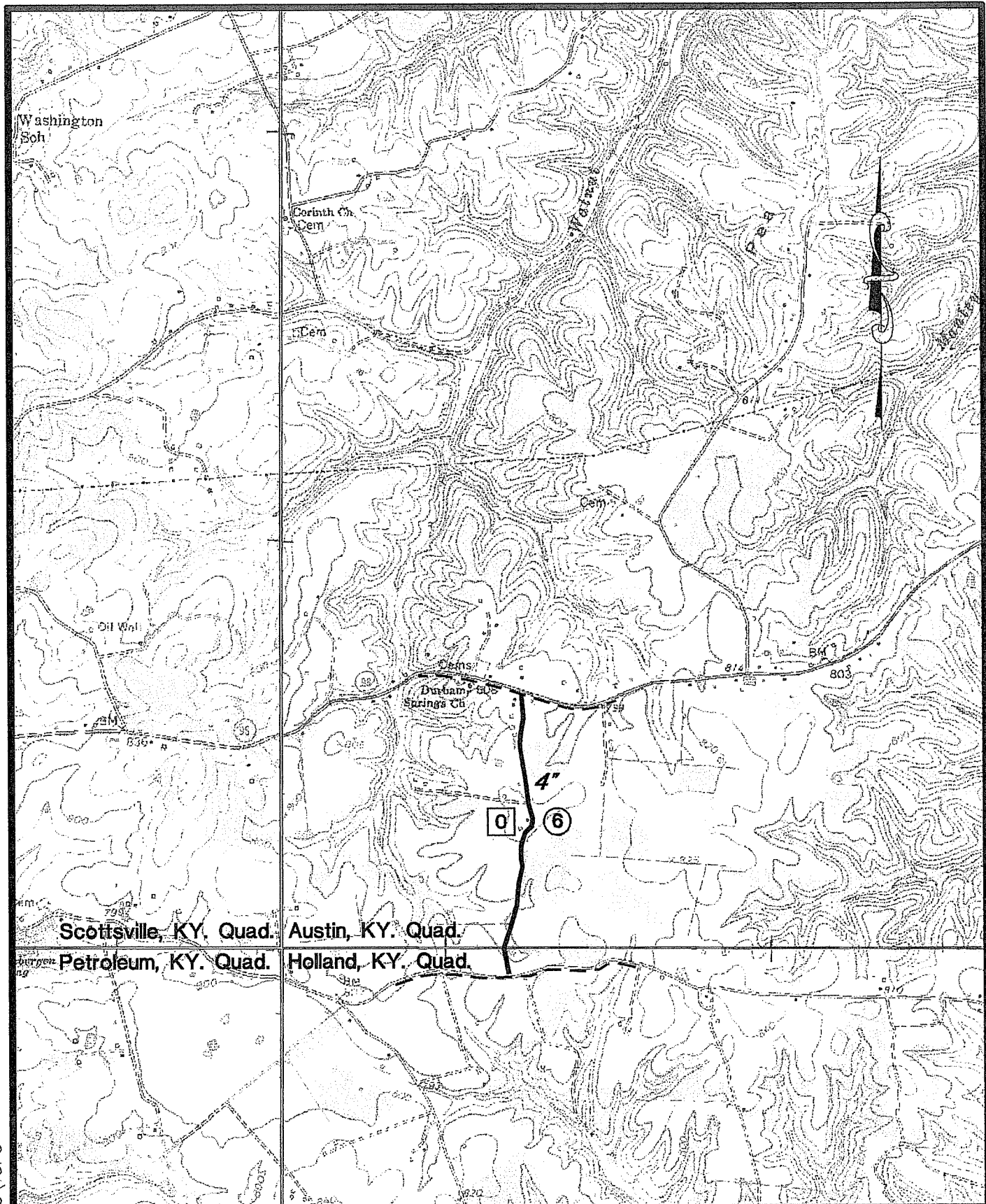
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PROJECT NO.
2002109
SHEET NO.
1 of 1

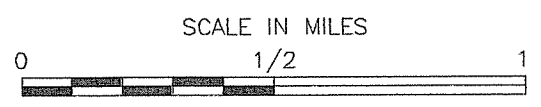
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Washington Sch
 Corinth Ch. Cem
 Cems
 Durham Springs Ch
 Scottsville, KY. Quad. Austin, KY. Quad.
 Petroleum, KY. Quad. Holland, KY. Quad.

AUSTIN & HOLLAND, KY. QUADRANGLES

**ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY**

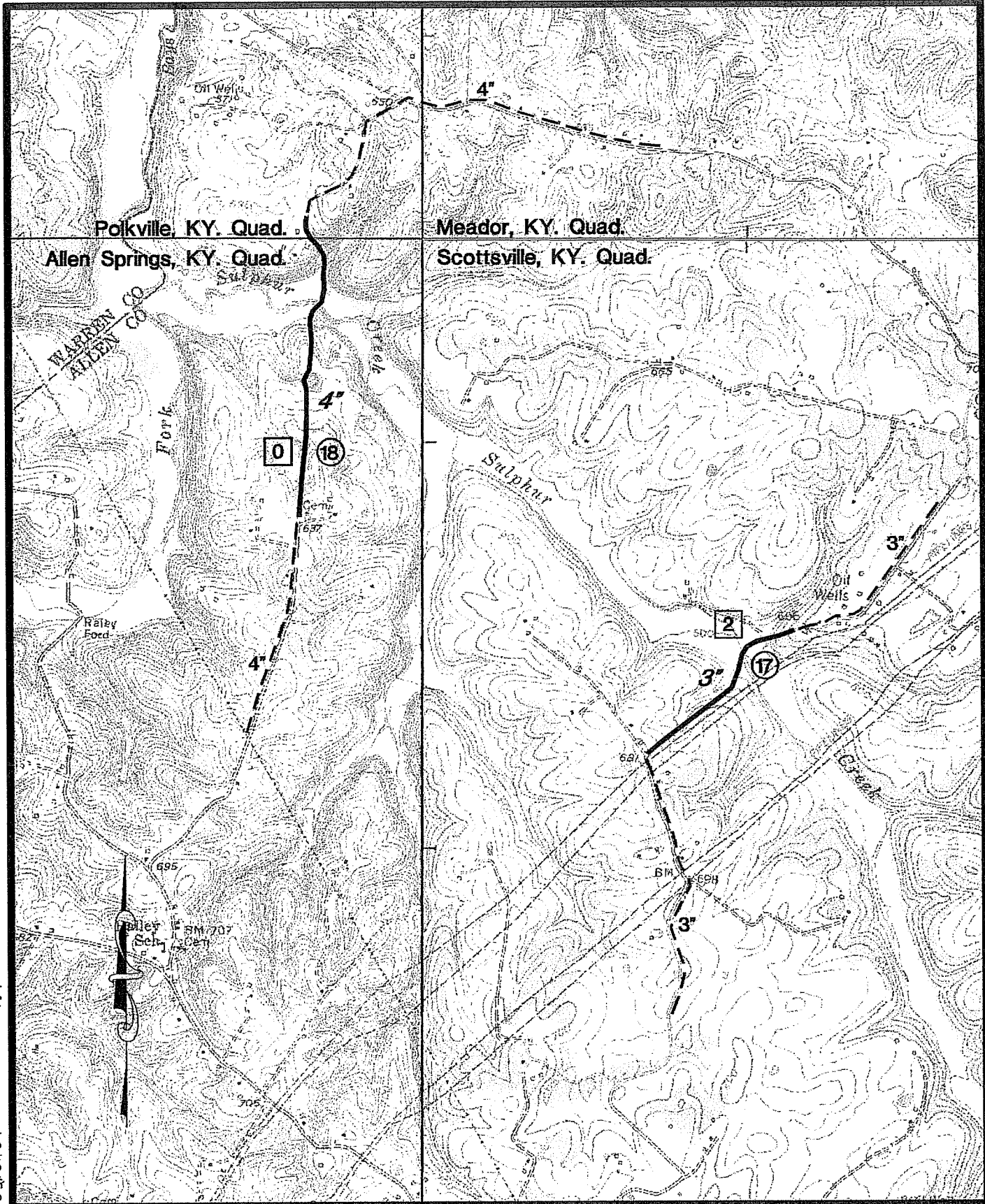


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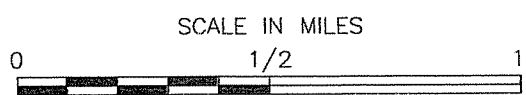
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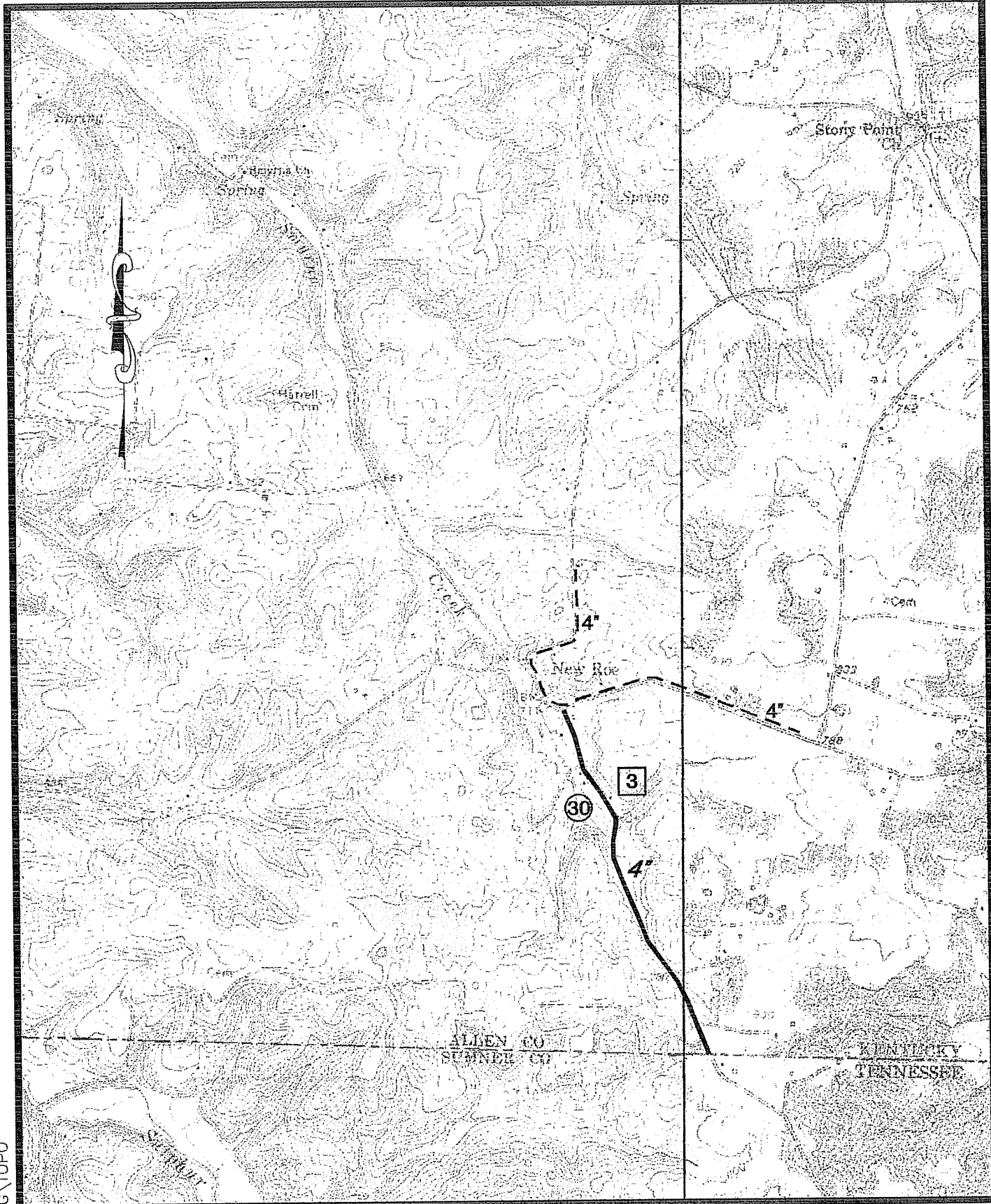
ALLEN SPRINGS & SCOTTSVILLE, KY. QUADRANGLE

**ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY**



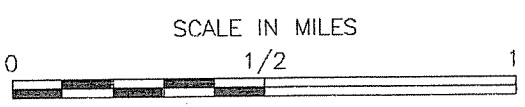
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HICKORY FLAT, KY. QUADRANGLE

ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY

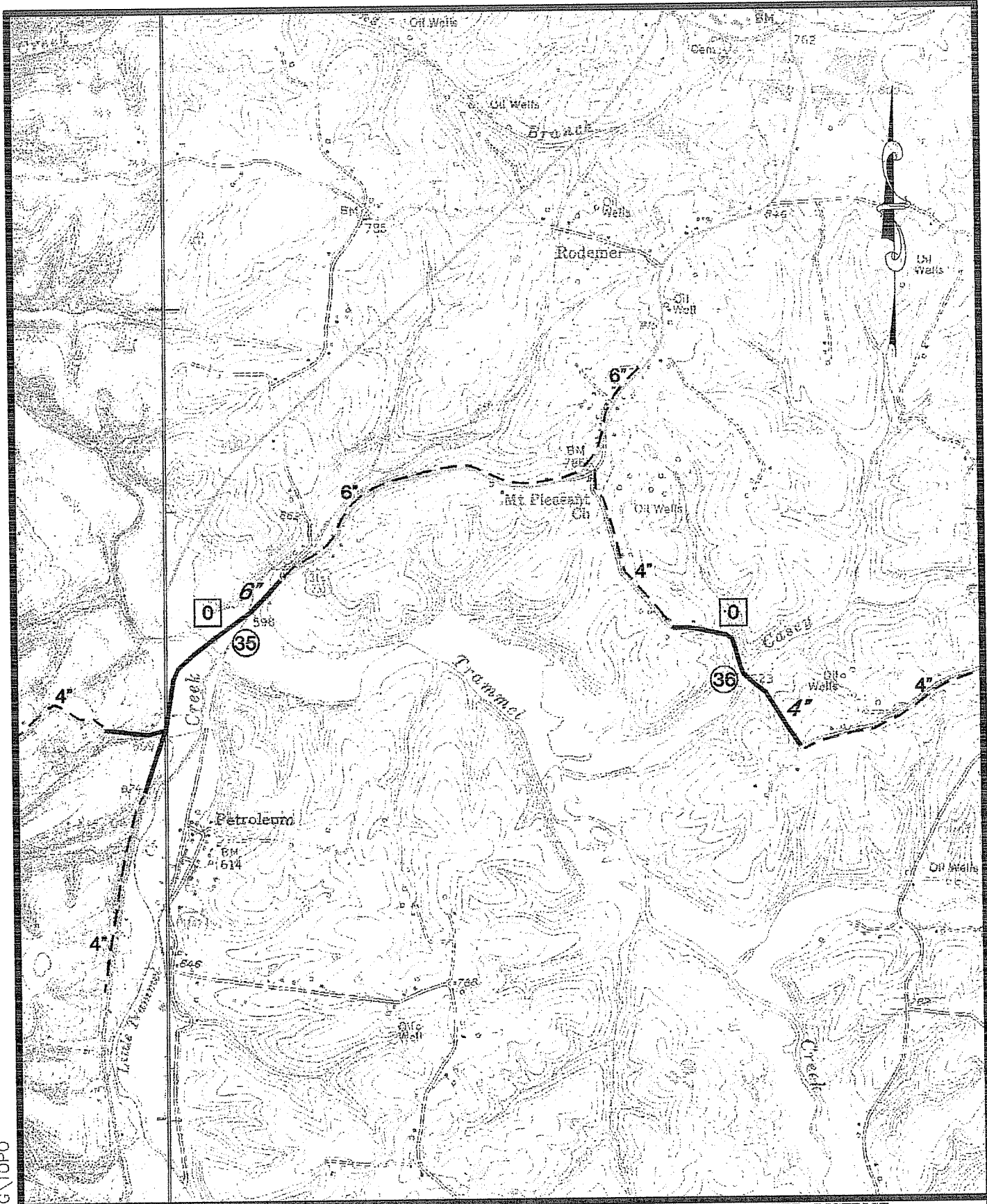


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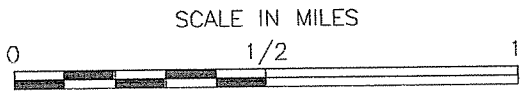
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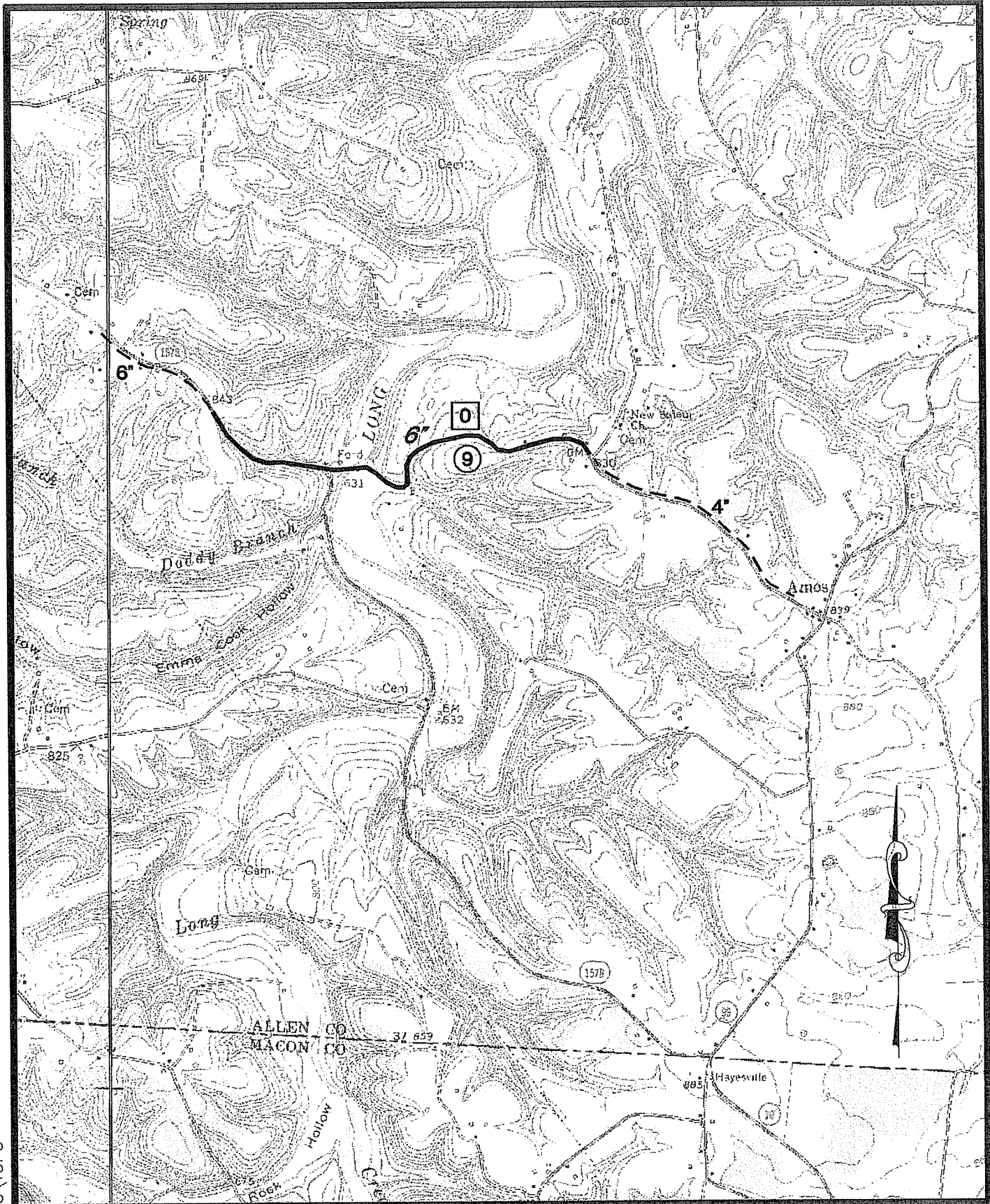
ADOLPHUS & PETROLEUM, KY. QUADRANGLES

**ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY**



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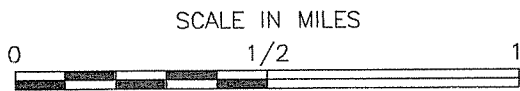
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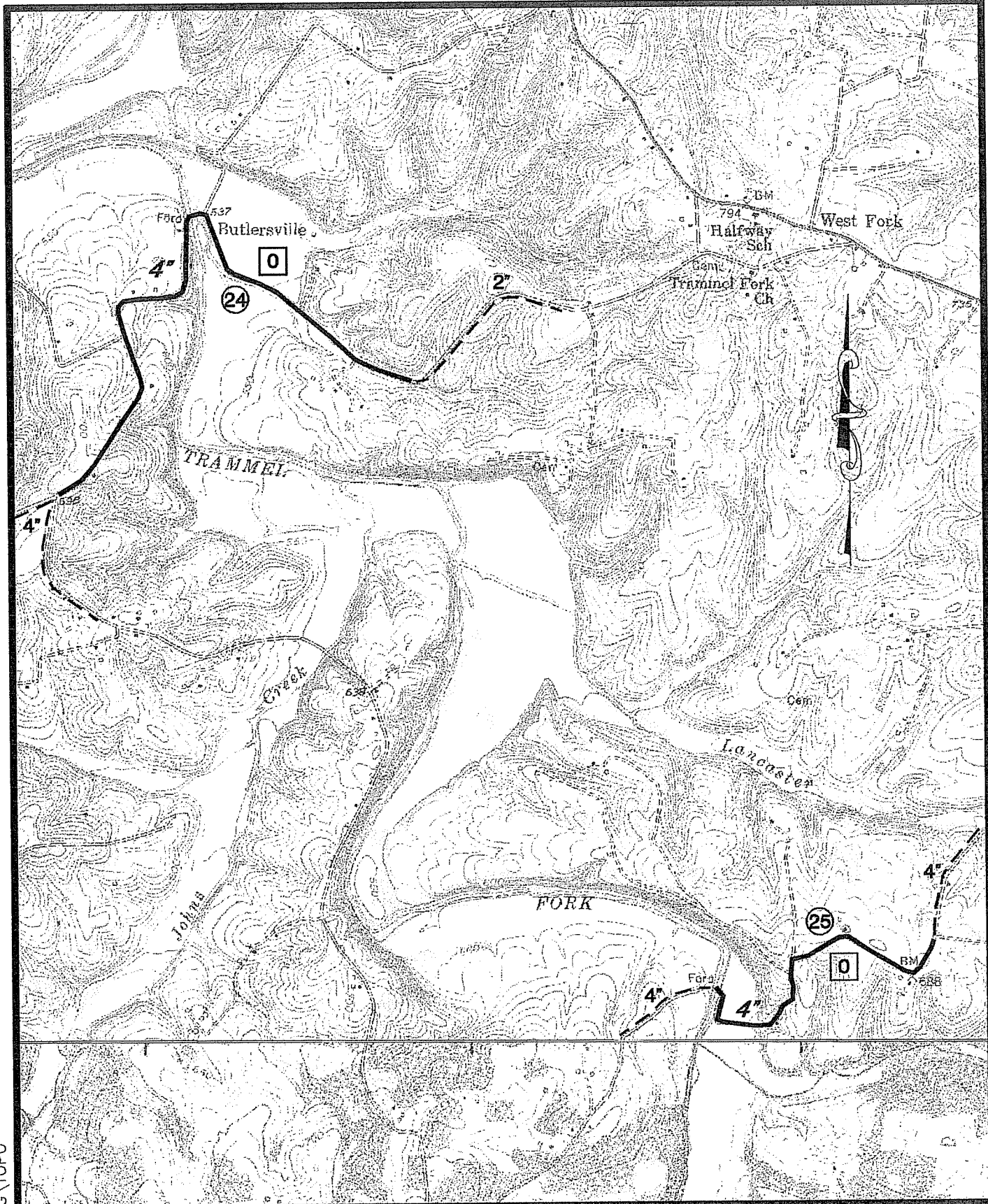
HOLLAND, KY. QUADRANGLE

**ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY**



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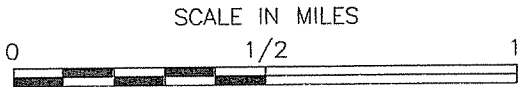
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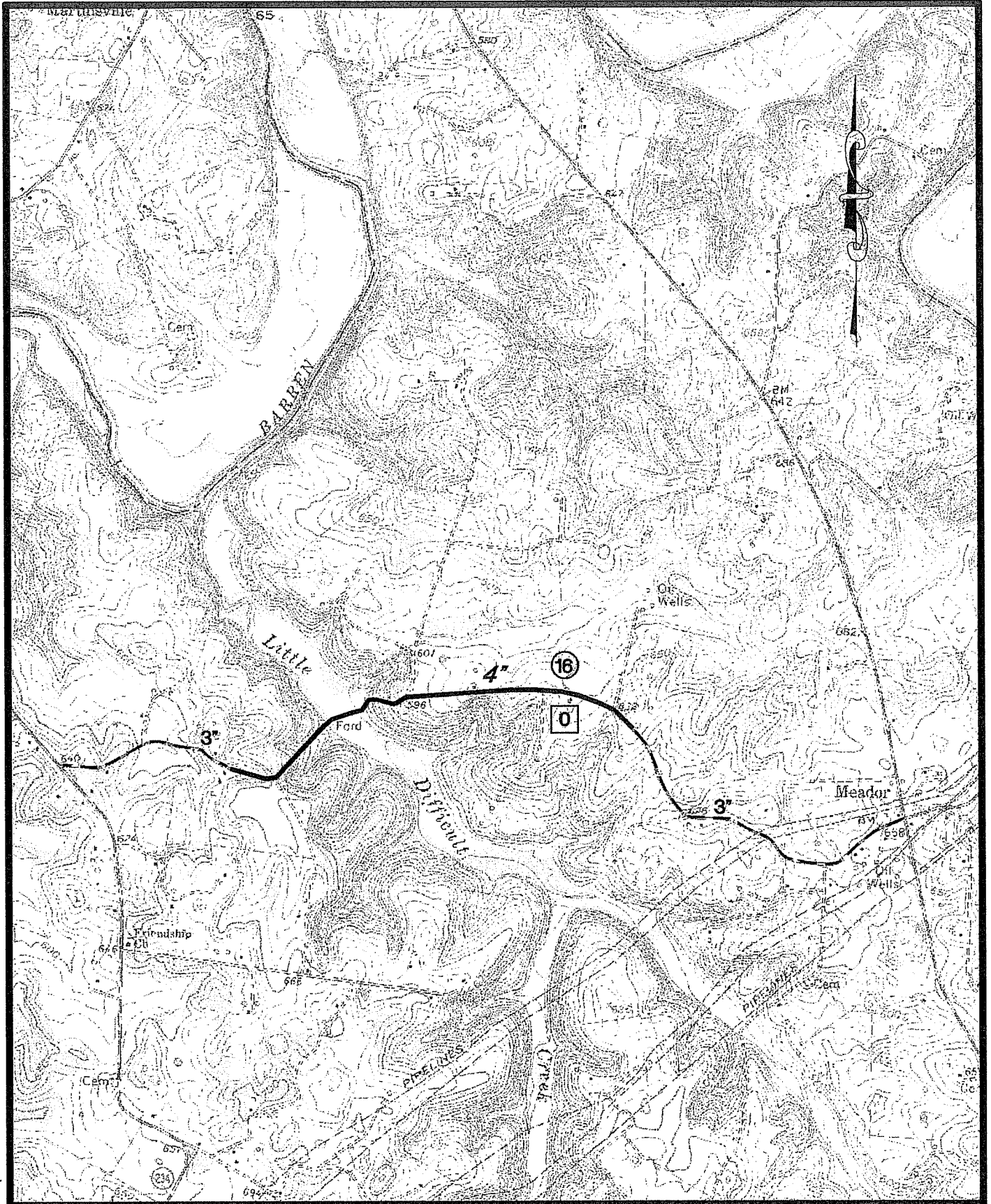
ALLEN SPRINGS, KY. QUADRANGLE

**ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY**



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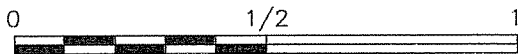


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MEADOR, KY. QUADRANGLE

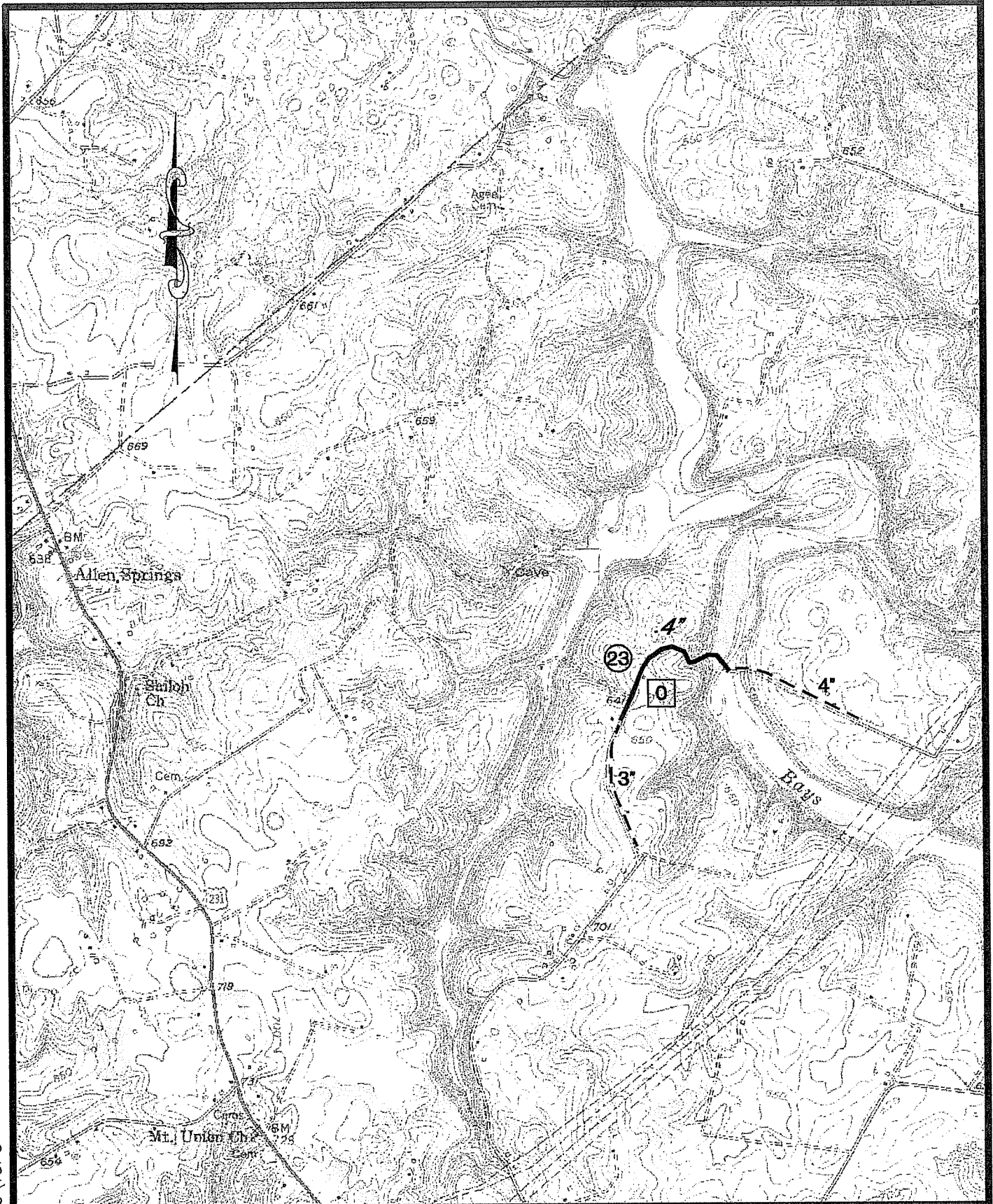
**ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY**

SCALE IN MILES



KENVIRONS, INC.

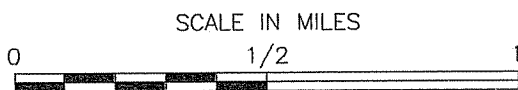
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ALLEN SPRINGS, KY. QUADRANGLE

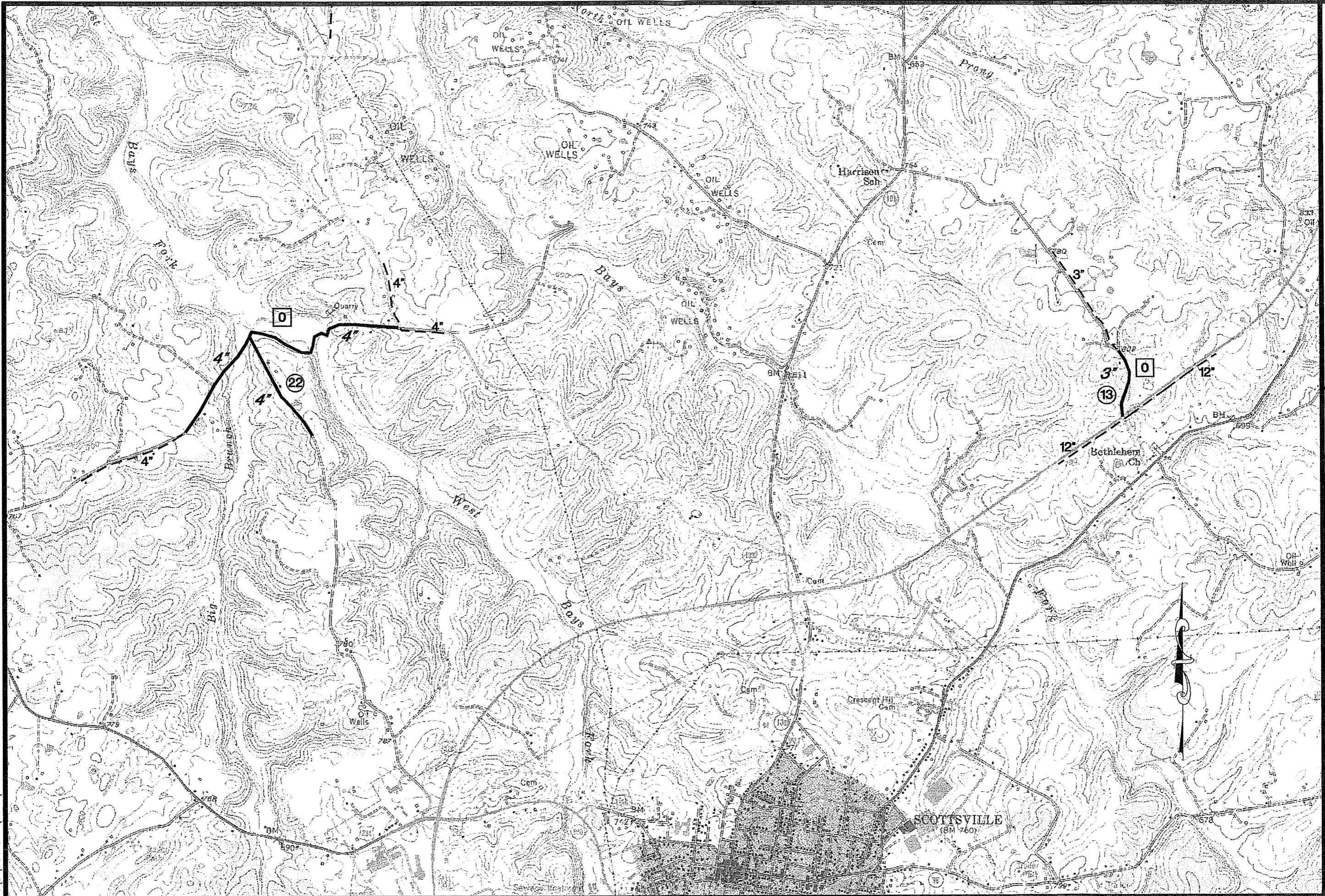
**ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY**



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**ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY**

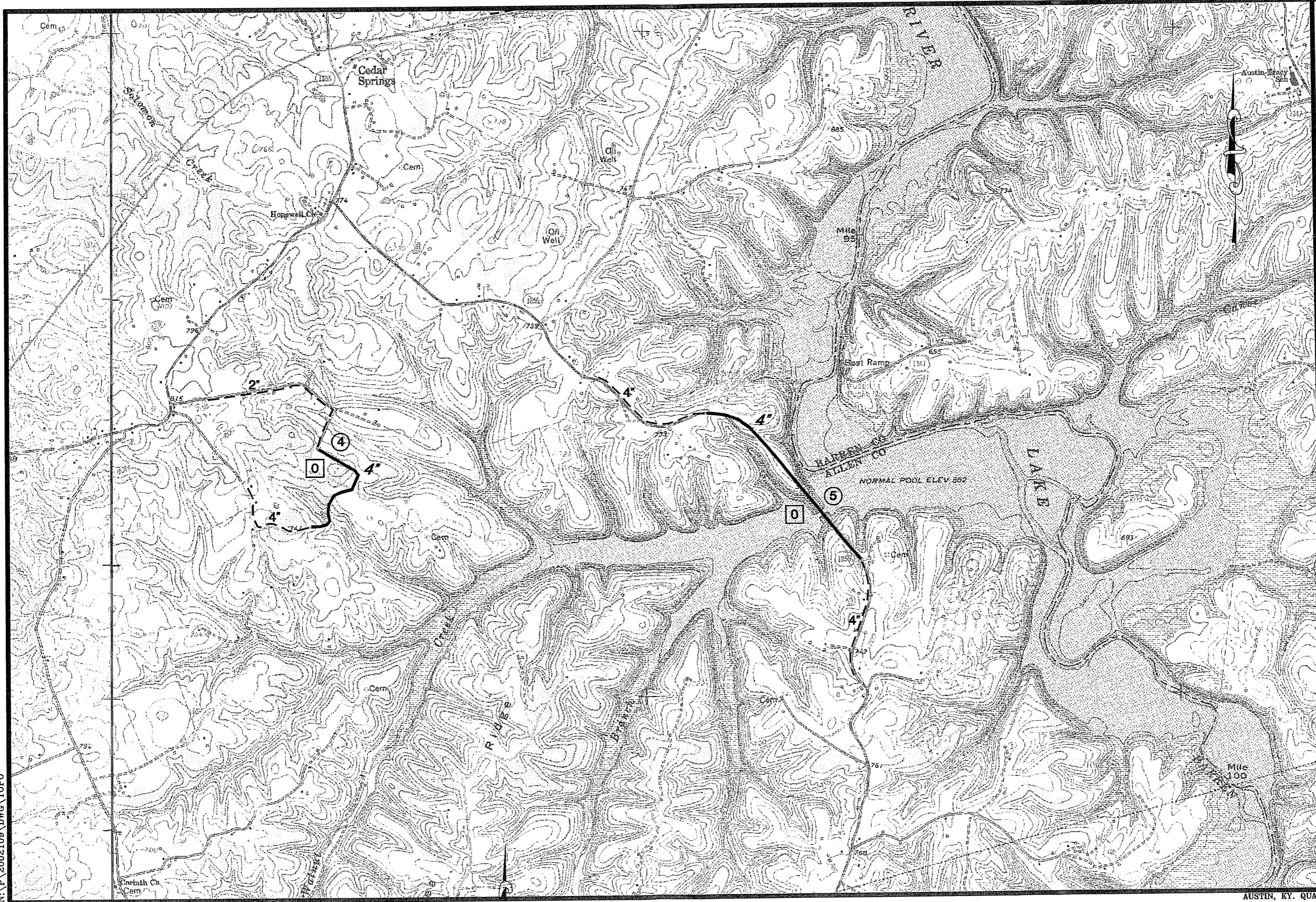
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 FRANKFORT, KENTUCKY



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**ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY**

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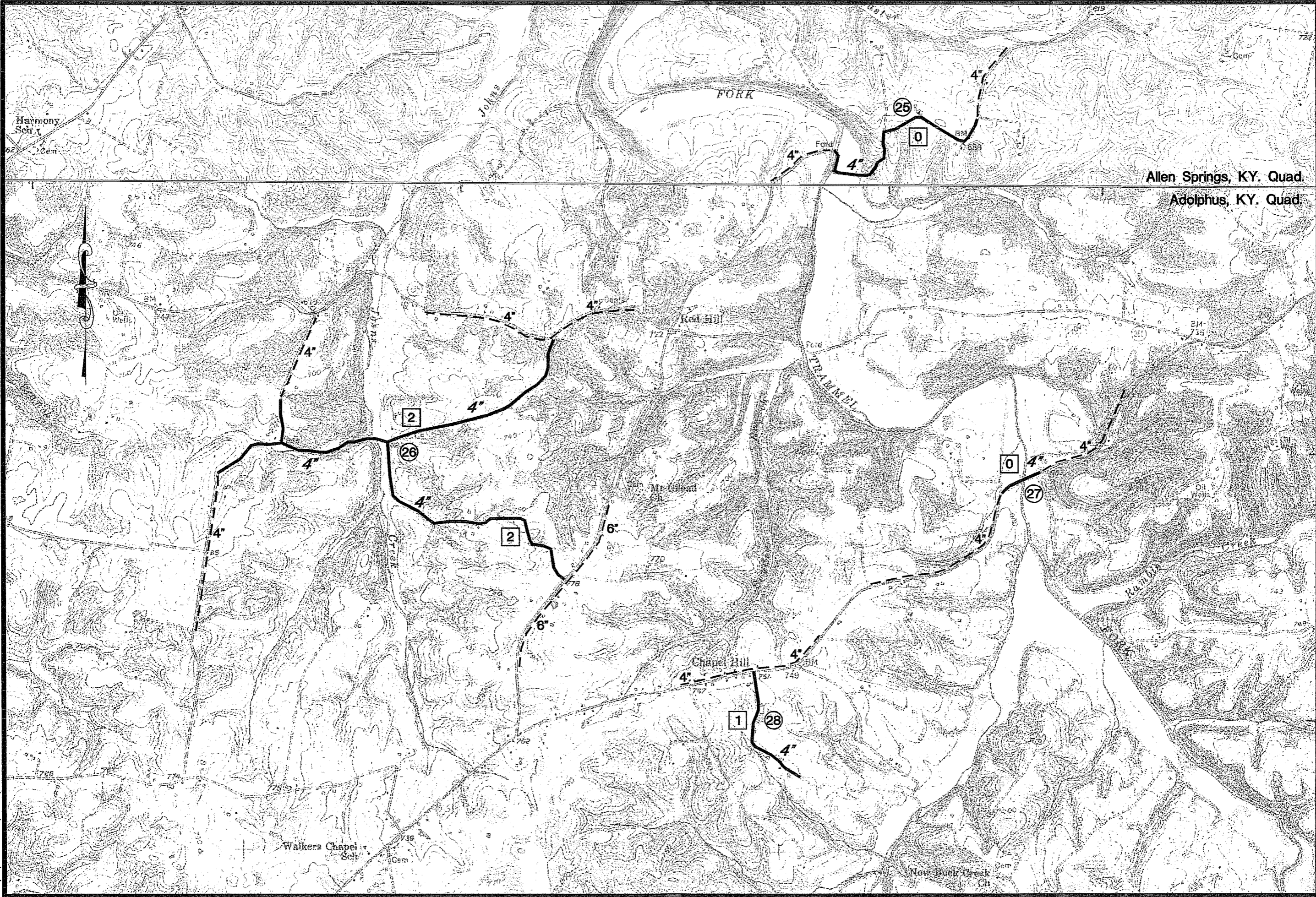
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FRANKFORT, KENTUCKY



PROJECT NO.
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 SHEET NO.

AUSTIN, KY. QUAD.

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Allen Springs, KY. Quad.
Adolphus, KY. Quad.

ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY

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CHECKED BY: CFM
CHECKED BY:
DATE: 07/02
SCALE: 1"=2000'
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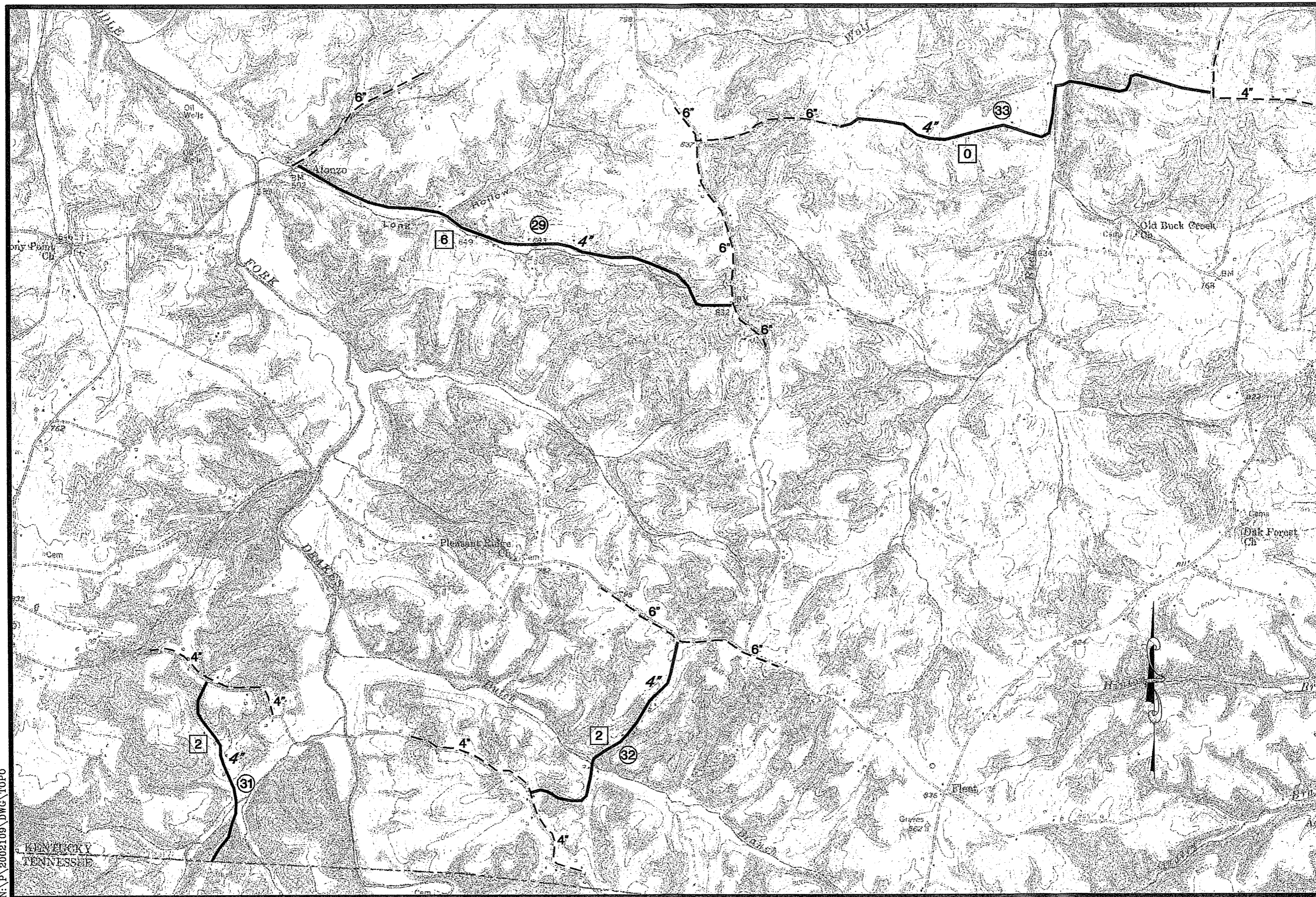
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FRANKFORT, KENTUCKY



PROJECT NO.
2002109

SHEET NO.

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KENTUCKY
TENNESSEE

**ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY**

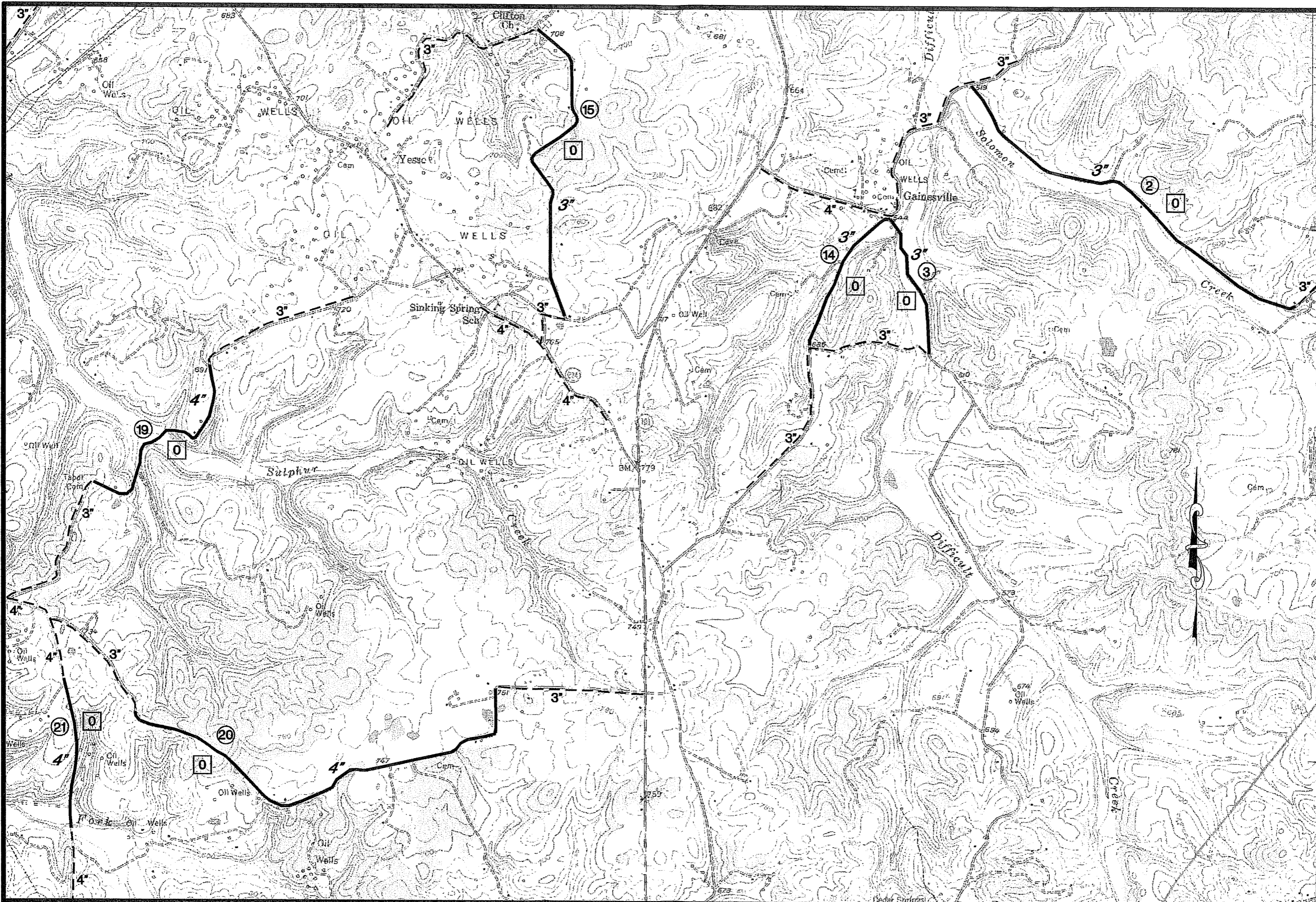
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FRANKFORT, KENTUCKY



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 2002109
 SHEET NO.

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**ALLEN COUNTY WATER DISTRICT
WATER SYSTEM EXTENSIONS
ALLEN COUNTY, KENTUCKY**

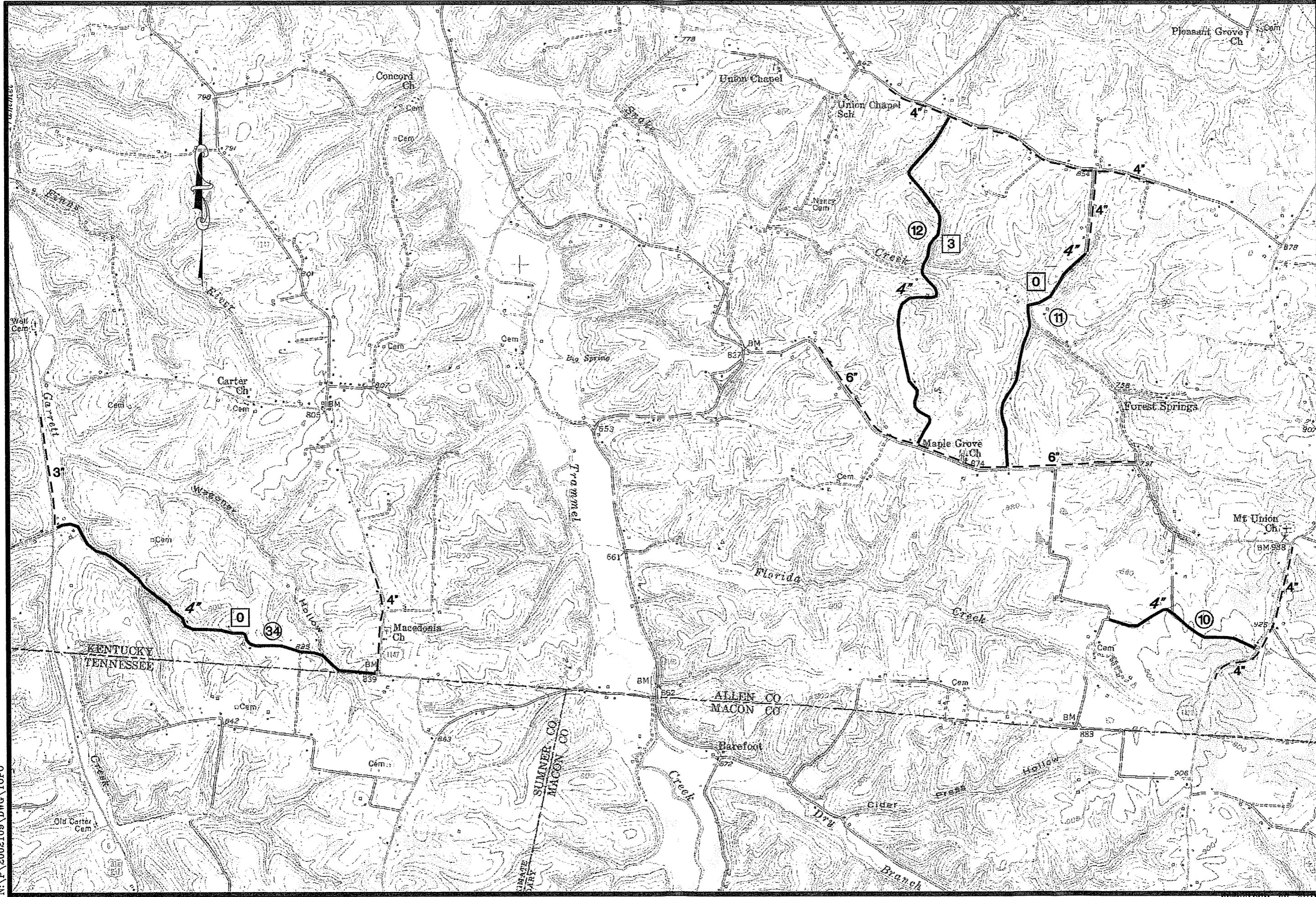
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FRANKFORT, KENTUCKY



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**ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY**

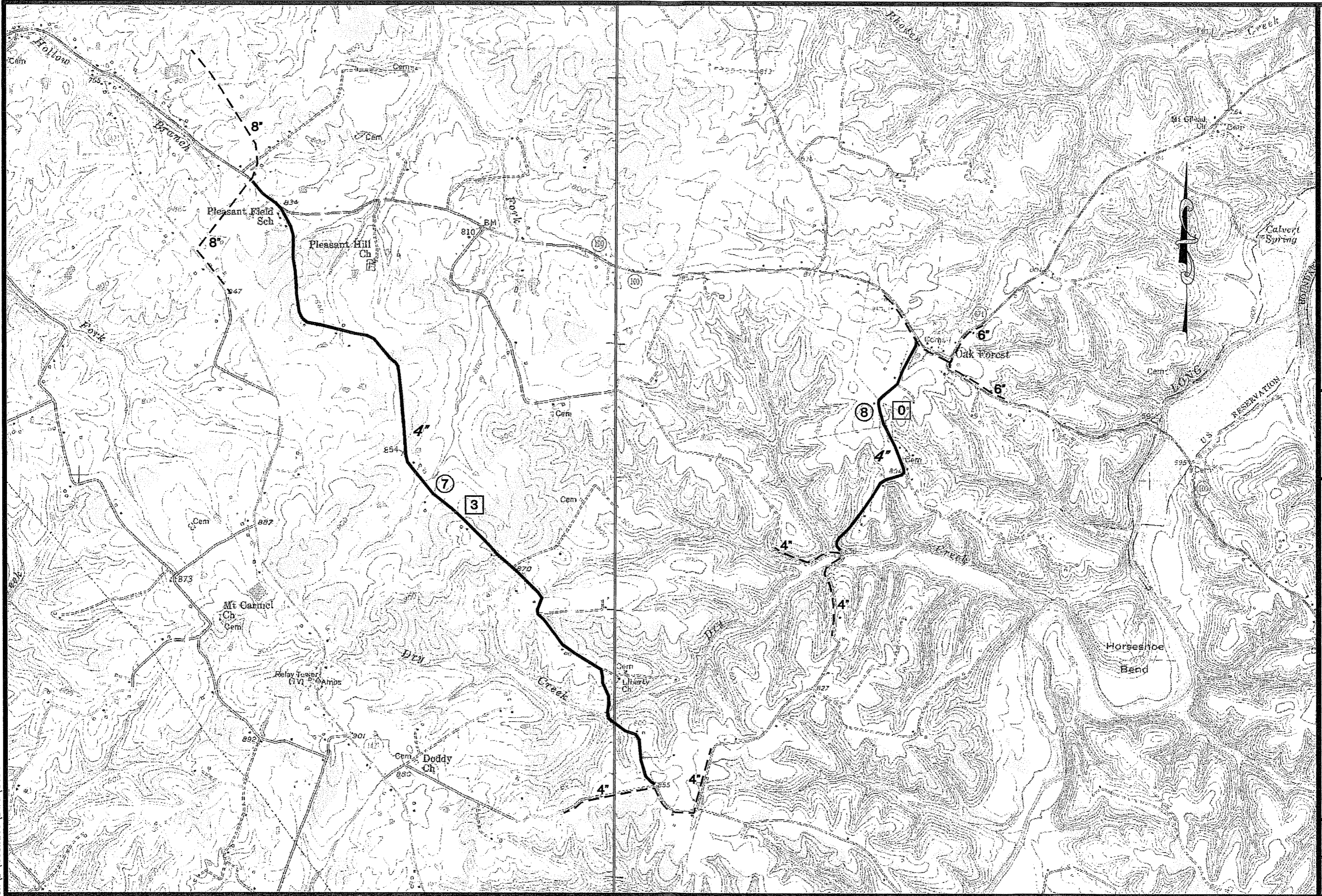
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 REV:

KENVIRONS, INC.
 FRANKFORT, KENTUCKY



PROJECT NO.
 2002109
 SHEET NO.

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**ALLEN COUNTY WATER DISTRICT
 WATER SYSTEM EXTENSIONS
 ALLEN COUNTY, KENTUCKY**

DRAWN BY: JKP
 CHECKED BY: CFM
 DATE: 07/02
 SCALE: 1"=2000'
 REV:

KENVIRONS, INC.
 FRANKFORT, KENTUCKY



PROJECT NO.
 2002109
 SHEET NO.