

CASE

NUMBER:

99-317

IN THE MATTER OF THE APPLICATION OF CHRISTIAN COUNTY WATER
DISTRICT FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY TO CONSTRUCT AND FINANCE AN IMPROVEMENTS PROJECT

SEQ NBR	ENTRY DATE	REMARKS
0001	07/27/1999	Application.
0002	07/29/1999	Acknowledgement letter.
M0001	08/04/1999	STEPHEN GLODO CHRISTIAN CO WD-PLANS & SPECS
M0002	08/04/1999	RANDALL JONES CHRISTIAN CO WD-MOTION TO REQ DEVIATION FROM USOA
0003	08/13/1999	Order granting deviation from 807 KAR 5001, Sec.11(2)(c) & Sec.6(1)-6(9)
0004	08/13/1999	Def. letter, info due 8/28
0005	08/17/1999	Def. cured letter
0006	09/01/1999	FINAL ORDER GRANTING CONSTRUCTION; APPROVES PROPOSED FINANCING PLAN
0007	12/07/2000	First Acknowledgment Letter Sent.
M0003	12/13/2000	JAMES OWEN/CHRISTIAN CO. WD-LETTER CONCERNING COMPLETION OF PROJECT

CHRISTIAN COUNTY WATER DISTRICT

P.O. Box 7
Hopkinsville, KY 42241-0007
Phone: 270-886-3696
Fax: 270-886-0708

Water Commissioners

William Lile
Chairman
John Berry
Secretary
J. David Johnson
Treasurer
Austin Young
Steve Hunt

December 11, 2000

RECEIVED
DEC 13 2000
Executive
Director's Office

Thomas M. Dorman
Executive Director
Public Service Commission
211 Sower Blvd
Frankfort, KY 40602

RECEIVED
DEC 13 2000
PUBLIC SERVICE
COMMISSION

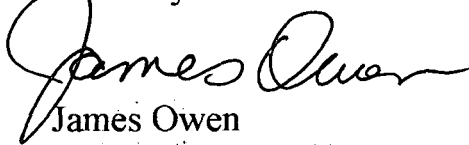
RE: Case No. 1999-317

Dear Mr. Dorman:

Public Service Commission, Case number 1999-317 is approximately 94% complete. Substantial completion may occur in three to six months. This time frame is dependant on weather and other variables which may be beyond both the District's and contractors control.

Once substantial completion of this project has occurred your agency will be notified. If we can be of any further assistance or can provide you with any additional information please feel free to contact us.

Sincerely


James Owen
General Manager



Paul E. Patton, Governor

**Ronald B. McCloud, Secretary
Public Protection and
Regulation Cabinet**

**Thomas M. Dorman
Executive Director
Public Service Commission**

**COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION**
211 SOWER BOULEVARD
POST OFFICE BOX 615
FRANKFORT, KENTUCKY 40602-0615
www.psc.state.ky.us
(502) 564-3940
Fax (502) 564-3460

**Martin J. Huelsmann
Chairman**

**Edward J. Holmes
Vice Chairman**

**Gary W. Gillis
Commissioner**

December 7, 2000

Mr. James R. Owen
Manager
Christian County Water District
P.O. Box 7
Hopkinsville, Kentucky 42241-0007

Re: Case No. 1999-317, First Reminder Letter

Dear Mr. Owen:

The Commission entered the enclosed Final Order in this case on September 1, 1999. The Commission ordered that Christian District should furnish documentation of the total costs of this project including the cost of construction and all other capitalized costs within 60 days of the date construction is substantially completed. To date the Commission has not received this filing. Please make the filing, referencing the case number 1999-317, not later than 15 days from the date of this letter.

If you have questions concerning this letter, please contact Jess Helton, of the Filings Division, at 502-564-3940, extension 278. Otherwise, please mail the required filing to Thomas M. Dorman, Executive Director, Public Service Commission, 211 Sower Blvd., Post Office Box 615, Frankfort, Kentucky 40602.

Sincerely,

A handwritten signature in black ink that reads "Stephanie J. Bell".

Stephanie Bell
Secretary of the Commission

Enclosure
CC: Parties of Record





COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

CERTIFICATE OF SERVICE

RE: Case No. 99-317
CHRISTIAN COUNTY WATER DISTRICT

I, Stephanie Bell, Secretary of the Public Service Commission, hereby certify that the enclosed attested copy of the Commission's Order in the above case was served upon the following by U.S. Mail on September 1, 1999.

See attached parties of record.

Stephanie J. Bell

Secretary of the Commission

SB/sa
Enclosure

Mr. James R. Owen
Manager
Christian County Water District
P. O. Box 7
Hopkinsville, KY. 42241 0007

Mr. Stephen J. Globo
J.T. Blankinship and Associates
401 South 17th Street
P. O. Box 40
Murphysboro, IL. 62966

Honorable John P. Kirkham
Attorney at Law
1404 S. Virginia Street
P. O. Box 585
Hopkinsville, KY. 42241

Mr. Sam Conner
Public Finance Department
J.J.B. Hilliard, W.L. Lyons, Inc.
P. O. Box 32760
Louisville, KY. 40232 2760

Honorable W. Randall Jones
Attorney at Law
Rubin & Hays
First Trust Centre
200 S. Fifth Street
Louisville, KY. 40202

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF CHRISTIAN COUNTY)
WATER DISTRICT FOR A CERTIFICATE OF)
PUBLIC CONVENIENCE AND NECESSITY TO) CASE NO. 99-317
CONSTRUCT AND FINANCE AN IMPROVEMENTS)
PROJECT)

O R D E R

On August 4, 1999, Christian County Water District ("Christian District") applied for a Certificate of Public Convenience and Necessity to construct a \$3,690,000 waterworks improvement project and for approval of its plan for financing the project. The proposed project involves the construction of 27,811 linear feet of 10-inch polyvinyl chloride ("PVC") water transmission main, 56,325 linear feet of 8-inch PVC water transmission main, 217,413 linear feet of 6-inch PVC water transmission main, 192,177 linear feet of 4-inch PVC water transmission main, two new booster pump stations, and related appurtenances. Project funding is a \$3,445,000 revenue bond with coupon rates ranging from 3.75 to 5.7 percent to be sold by J.J.B. Hilliard, W. L. Lyons, Inc. and a \$170,000 contribution from the Applicant.

The proposed project includes the construction of two new booster pump stations and approximately 94 miles of 10, 8, 6, and 4-inch water transmission mains to provide service to approximately 400 new customers. Plans and specifications for the proposed improvements prepared by J.T. Blankinship and Associates of Murphysboro, Illinois,

have been approved by the Division of Water of the Natural Resources and Environmental Protection Cabinet.

The Commission, having reviewed the evidence of record and being otherwise sufficiently advised, finds that:

1. Public convenience and necessity require that the construction proposed be performed and that a Certificate of Public Convenience and Necessity be granted.

2. The proposed construction consists of 27,811 linear feet of 10-inch PVC water transmission main, 56,325 linear feet of 8-inch PVC water transmission main, 217,413 linear feet of 6-inch PVC water transmission main, 192,177 linear feet of 4-inch PVC water transmission main, two new booster pump stations, and related appurtenances.

3. Christian District should obtain approval from the Commission prior to performing any additional construction not expressly authorized by this Order.

4. Any deviation from the construction or financing approved should be undertaken only with the prior approval of the Commission.

5. Christian District should furnish documentation of the total costs of this project including the cost of construction and all other capitalized costs (engineering, legal, administrative, etc.) within 60 days of the date that construction is substantially completed. Construction costs should be classified into appropriate plant accounts in accordance with the Uniform System of Accounts for water utilities prescribed by the Commission.

6. Christian District should require construction to be inspected under the general supervision of a professional engineer with a Kentucky registration in civil or mechanical engineering.

7. The financing plan proposed by Christian District is for lawful objects within the corporate purpose of its utility operation, is necessary and appropriate for and consistent with the proper performance of its service to the public and will not impair its ability for such purpose, should therefore be approved.

IT IS THEREFORE ORDERED that:

1. Christian District is granted a Certificate of Public Convenience and Necessity to proceed with the proposed construction project consisting of 27,811 linear feet of 10-inch PVC water transmission main, 56,325 linear feet of 8-inch PVC water transmission main, 217,413 linear feet of 6-inch PVC water transmission main, 192,177 linear feet of 4-inch PVC water transmission main, two new booster pump stations and related appurtenances.

2. Christian District shall comply with the requirements contained in Findings 3 through 6 as if the same were individually so ordered.

3. The financing plan proposed by Christian District is hereby approved.

Done at Frankfort, Kentucky, this 1st day of September, 1999.

By the Commission

ATTEST:


Executive Director



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

August 17, 1999

To: All parties of record

RE: Case No. 99-317
CHRISTIAN COUNTY WATER DISTRICT

The Commission staff has reviewed your response of August 4, 1999 and has determined that your application in the above case now meets the minimum filing requirements set by our regulations. Enclosed please find a stamped filed docketed copy of the first page of your filing. This case has been docketed and will be processed as expeditiously as possible.

If you need further information, please contact my staff at 502/564-3940.

Sincerely,
Stephanie Bell

Stephanie Bell
Secretary of the Commission

SB/sa
Enclosure

Mr. James R. Owen
Manager
Christian County Water District
P. O. Box 7
Hopkinsville, KY. 42241 0007

Mr. Stephen J. Globo
J.T. Blankinship and Associates
401 South 17th Street
P. O. Box 40
Murphysboro, IL. 62966

Honorable John P. Kirkham
Attorney at Law
1404 S. Virginia Street
P. O. Box 585
Hopkinsville, KY. 42241

Mr. Sam Conner
Public Finance Department
J.J.B. Hilliard, W.L. Lyons, Inc.
P. O. Box 32760
Louisville, KY. 40232 2760

Honorable W. Randall Jones
Attorney at Law
Rubin & Hays
First Trust Centre
200 S. Fifth Street
Louisville, KY. 40202

Rubin & Hays

ATTORNEYS AT LAW

First Trust Centre, 200 South Fifth Street, Louisville, Kentucky 40202-3236
Telephone (502) 569-7525 Telefax (502) 569-7555 Email: rh@rubinhays.com

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

OF COUNSEL
WM. CARL FUST

PARALEGAL
MARY M. EMBRY

July, 23 1999

FILED

AUG 04 1999

PUBLIC SERVICE
COMMISSION

Ms. Helen Helton
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

Re: *CASE 99-317* Christian County Water District - Public Service Commission Application for the Water System Improvements Project

Dear Ms. Helton:

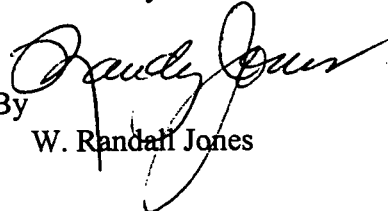
Enclosed please find the original and ten (10) copies of the Application of the Christian County Water District for a Certificate of Public Convenience and Necessity to construct and finance a Project pursuant to KRS Chapter 278 and a Motion to Request Deviation from the 90-day Financial Exhibit Filing Requirement.

Also enclosed are two (2) copies of the Engineering Report of J.T. Blankinship & Associates, Inc. The Plans and Specifications will be filed by J.T. Blankinship & Associates, Inc., in the near future.

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

Sincerely,

Rubin & Hays

By 
W. Randall Jones

WRJ:jl
Enclosures

cc: Distribution List

Rubin & Hays

ATTORNEYS AT LAW

First Trust Centre, 200 South Fifth Street, Louisville, Kentucky 40202-3236
Telephone (502) 569-7525 Telefax (502) 569-7555 Email: rh@rubinhays.com

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

OF COUNSEL
WM. CARL FUST

PARALEGAL
MARY M. EMBRY

August 3, 1999

FILED
AUG 04 1999
PUBLIC SERVICE
COMMISSION

Ms. Helen Helton
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

Re: Christian County Water District - Case #99-317

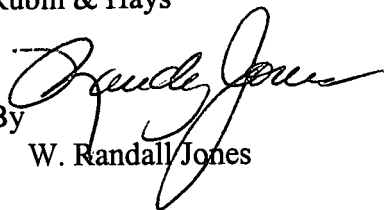
Dear Ms. Helton:

Enclosed please find the original and ten (10) copies of a Motion to Request Deviation from the USOA account breakdown relating to the above Case.

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

Sincerely,

Rubin & Hays

By 
W. Randall Jones

WRJ:jl
Enclosures

cc: Distribution List

DISTRIBUTION LIST

Account No. 2397.0000

Re: Christian County Water District Waterworks Revenue Bonds, Series 1999 Phase V B

Mr. James R. Owen
Manager
Christian County Water District
P.O. Box 7
Hopkinsville, Kentucky 42241-0007

Phone: (270) 886-3696

Mr. Stephen J. Glodo
J. T. Blankinship and Associates
401 South 17th Street
P. O. Box 40
Murphysboro, Illinois 62966

Phone: (618) 687-1771
Fax: (618) 687-1773

John P. Kirkham, Esq.
Attorney at Law
1404 S. Virginia Street
P.O. Box 585
Hopkinsville, Kentucky 42241

Phone: (270) 885-1121
Fax: (270) 885-1123

Mr. Sam Conner
Public Finance Department
J.J.B. Hilliard, W.L. Lyons, Inc.
P.O. Box 32760
Louisville, Kentucky 40232-2760

Phone: (502) 588-8473
Fax: (502) 588-8470

W. Randall Jones, Esq.
Rubin & Hays
First Trust Centre
200 S. Fifth Street
Louisville, Kentucky 40202

Phone: (502) 569-7534
Fax: (502) 569-7555

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
AUG 04 1999
PUBLIC SERVICE
COMMISSION

In the matter of:

APPLICATION OF CHRISTIAN COUNTY)
WATER DISTRICT FOR A CERTIFICATE) Case No. 99-317
OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT AND)
FINANCE AN IMPROVEMENTS PROJECT)

**MOTION TO REQUEST DEVIATION FROM
USOA ACCOUNT BREAKDOWN REQUIREMENT (807 KAR 5:001(11))**

Christian County Water District (CCWD), by counsel, moves the Commission to enter an Order in Case No. 99-317 regarding the application of CCWD for a Certificate of Public Convenience and Necessity to Construct and Finance an Improvements Project, granting CCWD a deviation from the requirement of filing a USOA account number breakdown of the property to be acquired as set forth in 807 KAR 5:001(11) (2) (c). The reasons supporting this Motion are as follows:

1. The Engineers for CCWD have not provided a detailed breakdown of the property to be acquired and the dollar amounts thereof in the certified bid tabulations.
2. Compliance with 807 KAR 5:001 (11) (2) (c) would unduly burden CCWD both from a financial standpoint in having to pay its Accountant to compile the USOA account breakdowns and by causing a substantial delay in starting construction of the Project.

For the reasons stated above, CCWD hereby moves the Commission to enter its Order granting CCWD a deviation from the requirement of filing a USOA account breakdown of the property to be acquired pursuant to 807 KAR 5:001(11) (2) (c).

J.T. BLANKINSHIP & ASSOCIATES

Consulting Engineers and Land Surveyors

401 SOUTH 17TH STREET - P.O. BOX 40 - MURPHYSBORO, ILLINOIS 62966

WATER AND SEWERAGE IMPROVEMENTS
STREET AND HIGHWAY IMPROVEMENTS
AIRPORTS - EVALUATION SURVEYS - SUBDIVISIONS
TELEPHONE 618-687-1771
FAX 618-687-1773

August 3, 1999

AUG 04 1999

PUBLIC SERVICE
COMMISSION

Ms. Helen C. Helton, Executive Director
Commonwealth of Kentucky
Public Service Commission
730 Schenkel Lane
P.O. Box 615
Frankfort, KY 40602

Re: Case No. 99-317
Christian County Water District
Phase V-B

Dear Ms. Helton,

We are transmitting herewith for review, two (2) sets of the plans and specifications for the above referenced project.

Should you have any questions, do not hesitate to call.

Yours Truly,



Stephen J. Glodo, P.E.

J.T. Blankinship & Associates

cc: Randy Jones, Rubin & Hays



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

August 13, 1999

To: All parties of record

RE: Case No. 99-317

We enclose one attested copy of the Commission's Order in
the above case.

Sincerely,

A handwritten signature in cursive script that reads "Stephanie Bell".

Stephanie Bell
Secretary of the Commission

SB/sa
Enclosure

Mr. James R. Owen
Manager
Christian County Water District
P. O. Box 7
Hopkinsville, KY 42241 0007

Mr. Stephen J. Globo
J.T. Blankinship and Associates
401 South 17th Street
P. O. Box 40
Murphysboro, IL 62966

Honorable John P. Kirkham
Attorney at Law
1404 S. Virginia Street
P. O. Box 585
Hopkinsville, KY 42241

Mr. Sam Conner
Public Finance Department
J.J.B. Hilliard, W.L. Lyons, Inc.
P. O. Box 32760
Louisville, KY 40232 2760

Honorable W. Randall Jones
Attorney at Law
Rubin & Hays
First Trust Centre
200 S. Fifth Street
Louisville, KY 40202

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CHRISTIAN COUNTY)
WATER DISTRICT FOR A CERTIFICATE)
OF PUBLIC CONVENIENCE AND) CASE NO. 99-317
NECESSITY TO CONSTRUCT AND)
FINANCE AN IMPROVEMENTS PROJECT)

O R D E R

On July 27, 1999, Christian County Water District ("Christian Water") applied to the Commission for approval of a Certificate of Public Convenience and Necessity to construct a waterworks improvement project and for approval of financing for said project. In its filing, Christian Water requested permission to deviate from the requirements of 807 KAR 5:001, Section 11(2)(c) and Sections 6(1) – 6(9).

Administrative Regulation 807 KAR 5:001, Section 11(2)(c), requires the submission of detailed estimates by Uniform System of Accounts account numbers. Administrative Regulation 807 KAR 5:001, Section 6, requires the submission of a detailed financial exhibit covering operations for a 12-month period ending not more than 90 days prior to the date of the application.

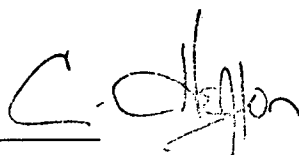
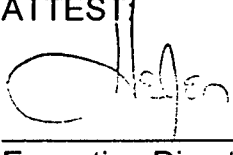
Having reviewed the filing and being otherwise sufficiently advised, the Commission finds that the information filed therein is sufficient to enable the Commission to review adequately Christian Water's filing. Therefore, its request for permission to deviate from the above-cited regulations should be granted.

IT IS THEREFORE ORDERED that Christian Water's request to deviate from the requirements of 807 KAR 5:001, Section 11(2)(c) and Sections 6(1)-6(9), is granted.

Done at Frankfort, Kentucky, this 13th day of August, 1999.

By the Commission

ATTEST:



Executive Director



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KENTUCKY 40602
www.psc.state.ky.us
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Ronald B. McCloud, Secretary
Public Protection and
Regulation Cabinet

Helen Helton
Executive Director
Public Service Commission

Paul E. Patton
Governor

August 13, 1999

James R. Owen
Manager
Christian County Water District
P.O. Box 7
Hopkinsville, KY 42241-0007

W. Randall Jones
Attorney at Law
Rubin & Hays
First Trust Centre
200 S. Fifth Street
Louisville, KY 40202

Re: Case No. 99-317
Filing Deficiencies

Gentlemen:

The Commission staff has conducted an initial review of your filing in the above case. This filing is rejected pursuant to 807 KAR 5:001, Section 2, as it is deficient in certain filing requirements. The items listed below are either required to be filed with the application or must be referenced if they are already on file in another case or will be filed at a later date.

Filing deficiencies pursuant to 807 KAR 5:001, Section 9(2)(c):

A full description of the proposed location, route, or routes of the new construction or extension, including a description of manner in which same will be constructed, and also the names of all public utilities, corporations, or persons with whom the proposed new construction or extension is likely to compete.



The statutory time period in which the Commission must process this case will not commence until the above-mentioned information is filed with the Commission. You are requested to file 10 copies of this information within 15 days of the date of this letter. If you need further information, please contact James Rice of my staff at (502) 564-3940, ext. 411.

Sincerely,


Stephanie Bell
Secretary of the Commission

sa





COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

July 29, 1999

To: All parties of record

RE: Case No. 99-317
CHRISTIAN COUNTY WATER DISTRICT
(Construct, Financing) (Deviation)

This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received July 27, 1999 and has been assigned Case No. 99-317. In all future correspondence or filings in connection with this case, please reference the above case number.

If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

Stephanie Bell

Stephanie Bell
Secretary of the Commission

SB/jc

Mr. James R. Owen
Manager
Christian County Water District
P. O. Box 7
Hopkinsville, KY. 42241 0007

Mr. Stephen J. Globo
J.T. Blankinship and Associates
401 South 17th Street
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Honorable John P. Kirkham
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Public Finance Department
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Louisville, KY. 40232 2760

Honorable W. Randall Jones
Attorney at Law
Rubin & Hays
First Trust Centre
200 S. Fifth Street
Louisville, KY. 40202

Rubin & Hays

ATTORNEYS AT LAW

First Trust Centre, 200 South Fifth Street, Louisville, Kentucky 40202-3236
Telephone (502) 569-7525 Telefax (502) 569-7555 Email: rh@rubinhays.com

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

OF COUNSEL
WM. CARL FUST

PARALEGAL
MARY M. EMBRY

FILED

AUG 04 1999

PUBLIC SERVICE
COMMISSION

July, 23 1999

RECEIVED
JUL 27 1999
PUBLIC SERVICE
COMMISSION

Ms. Helen Helton
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

CASE 99-317

Re: Christian County Water District - Public Service Commission Application for the
Water System Improvements Project

Dear Ms. Helton:

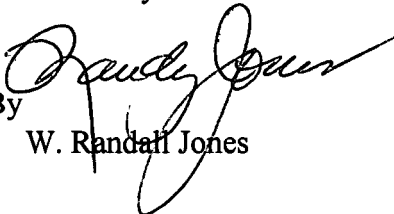
Enclosed please find the original and ten (10) copies of the Application of the Christian County Water District for a Certificate of Public Convenience and Necessity to construct and finance a Project pursuant to KRS Chapter 278 and a Motion to Request Deviation from the 90-day Financial Exhibit Filing Requirement.

Also enclosed are two (2) copies of the Engineering Report of J.T. Blankinship & Associates, Inc. The Plans and Specifications will be filed by J.T. Blankinship & Associates, Inc., in the near future.

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. 2397.0000

Re: Christian County Water District Waterworks Revenue Bonds, Series 1999 Phase V B

Mr. James R. Owen
Manager
Christian County Water District
P.O. Box 7
Hopkinsville, Kentucky 42241-0007

Phone: (270) 886-3696

Mr. Stephen J. Glodo
J. T. Blankinship and Associates
401 South 17th Street
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Murphysboro, Illinois 62966

Phone: (618) 687-1771

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Mr. Sam Conner
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Louisville, Kentucky 40232-2760

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Fax: (502) 588-8470

W. Randall Jones, Esq.
Rubin & Hays
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200 S. Fifth Street
Louisville, Kentucky 40202

Phone: (502) 569-7534

Fax: (502) 569-7555

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
JUL 27 1999
PUBLIC SERVICE
COMMISSION

In the matter of:

**APPLICATION OF CHRISTIAN COUNTY)
WATER DISTRICT FOR A CERTIFICATE)
OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT AND)
FINANCE AN IMPROVEMENTS PROJECT)**

Case No. 99-317

APPLICATION

Christian County Water District (CCWD), by counsel, pursuant to KRS 278.020, petitions the Commission for a certificate of public convenience and necessity to construct a waterworks improvement project and finance said project. The following information is filed in accordance with the Commission's regulations:

1. CCWD's office address is P.O. Box 7, Hopkinsville, Kentucky 42241-0007. Its principal officers are listed in its current Annual Report, which is filed with the Commission as are its prior years' Reports;
2. CCWD is a non-profit water district organized under KRS Chapter 74 and has no separate articles of incorporation or by-laws;
3. A description of CCWD's water system and its property stated at original cost by accounts is contained in its Annual Report, which is incorporated by reference pursuant to 807 KAR 5:001(5)(5). All required normal financial schedules and other data are in that Annual Report;
4. CCWD serves approximately 3,262 residential customers and 167 commercial customers for a total of 3,529 customers, in Christian County;

5. The Phase V-B water system improvements project (the "Project") consists of (i) the construction and installation of two new pump stations; and (ii) the installation of approximately 90 miles of 4, 6, 8 and 10 inch water lines throughout Christian County to serve approximately 400 new customers in said County;

6. The Project is in the public interest and is required to permit continued growth in the area;

7. The total construction cost is approximately \$3,330,000. A detailed breakdown of the project cost is set out in the Final Engineering Report which is filed herewith;

8. Approximately 621 easements are required for the Project;

9. This service will not compete with any other utility in the area;

10. Based on these facts, CCWD believes that it is in the public interest that this certificate be granted and that the plan of financing be authorized;

11. The following information is provided in response to 807 KAR 5:001(8);

a. Articles of Incorporation - None, CCWD is a statutorily created water district under KRS Chapter 74;

12. The following information is supplied to 807 KAR 5:001(9);

a. Facts relied upon to show that the application is in the public interest: Two of the existing pump stations are too small and need to be upgraded and the 90 miles of water lines are being installed to serve approximately 400 new customers who are in need of a reliable source of potable water.

b. No new franchises are required. Copies of the permits are attached hereto as **Exhibit A;**

c. Diagrams of the proposed construction and construction specifications are contained in the Plans and Specifications on file with the Commission;

d. Maps of the area showing location of the proposed facilities are being filed with this Application;

e. The construction costs will be funded by CCWD tap fees in the amount of \$170,000 and a publicly sold revenue bond issue in the appropriate amount of \$3,445,000 (plus or minus 10%), and said revenue bonds will be structured and the sale will be conducted by J.J.B. Hilliard, W.L. Lyons, Inc. ("Hilliard-Lyons"), the Financial Advisor to CCWD;

f. The estimated cost of operation of the System after construction of the Project is set forth in the Statement of Budget, Income and Equity which is attached hereto as **Exhibit B**;

13. The following information is provided as required by 807 KAR 5:001(11);

a. A general description of the Project property is contained in the Annual Report, on file with the Commission;

b. Financial information relating to the proposed revenue bond issue is contained in the Estimated Debt Service and Sources and Uses of Funds as prepared by Hilliard-Lyons, see **Exhibit C**;

c. All funds are to be used in accordance with the Final Engineering Report attached hereto;

d. The property to be constructed is described in the attached Bid Tabulations, see **Exhibit D**;

e. No proceeds of the proposed revenue bonds are being used to refund outstanding bonds.

14. The following exhibits are provided pursuant to 807 KAR 5:001(11)(2);
 - a. CCWD has requested by separate motion that the Commission grant a deviation of the 90 day requirement for financial information as required by 807 KAR 5:001(11)(2)(a);
 - b. There are no trust deeds or mortgages applicable;
 - c. Maps and detailed plans are on file with the Commission.
 - d. CCWD is requesting by separate motion that the Commission grant a deviation from 807 KAR 5:001 (11) (2) (c) of the requirement that detailed estimates of the Project property to be acquired be broken down by USOA account number.
15. CCWD requests that it be granted a deviation under 807 KAR 5:001(14), if necessary to accommodate any situation where inflexible compliance with a regulation would be impracticable, onerous or which would hinder CCWD's daily operations.

WHEREFORE, the Applicant, Christian County Water District requests that the Public Service Commission of Kentucky grant to the Applicant the following:

- A. A certificate of public convenience and necessity permitting the Applicant to construct a water system improvement project;
- B. An order approving the financing of the project through the use of tap fees and the issuance of revenue bonds in the amount of \$3,445,000 (plus or minus 10%).
- C. An order granting Applicant's motion for a deviation from the 90 day requirement for financial information as required by 807 KAR 5:001(11)(2)(a).

CHRISTIAN COUNTY WATER DISTRICT

By William A. Siler
Chairman


RUBIN & HAYS

By W. Randall Jones
W. Randall Jones
Rubin & Hays
First Trust Centre
200 S. Fifth Street
Louisville, Kentucky 40202
(502) 569-7525

COMMONWEALTH OF KENTUCKY)
) SS
COUNTY OF CHRISTIAN)

The undersigned, William A. Lile, being duly sworn, deposes and states that he is the Chairman of the Christian County Water District, 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.

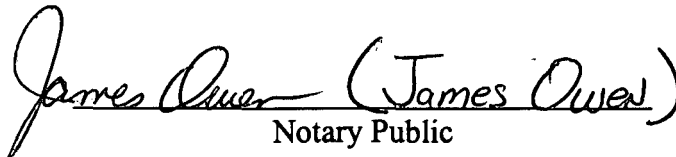
IN TESTIMONY WHEREOF, witness the signature of the undersigned on this July 22, 1999.



William A. Lile, Chairman
Christian County Water District

Subscribed and sworn to before me by William A. Lile, Chairman of the Christian County Water District, on this July 22, 1999.

My Commission expires Oct. 27, 2001.



Notary Public
In and for said County and State

Christian County, Kentucky

JAMES E. BICKFORD
SECRETARY



J.T. Blankinship & Assoc

PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601
April 21, 1999

Christian County Water District
1960 Dawson Springs
Hopkinsville, Kentucky 42240

RE: DW #0240521-99-001
Water System Improvements
Phase V-B
Christian Co, Kentucky

Dear Sirs:

This is to advise that plans and specifications covering the above referenced subject are APPROVED with respect to sanitary features of design as of this date with the following stipulations:

1. If PVC piping is used, it must be NSF approved and manufactured in accordance with ASTM standards.
2. Upon completion of construction, disinfection shall be strictly in accordance with the procedure designated in the State Regulations, which reads as follows:

"A water distribution system, including storage distribution tanks, repaired portions of existing systems, or all extensions to existing systems, shall be thoroughly disinfected before being placed into service. A water distribution system shall disinfect with chlorine or chlorine compounds, in amounts as to produce a concentration of at least fifty (50) ppm and a residual of at least twenty-five (25) ppm at the end of 24-hours (24) and the disinfection shall be followed by a thorough flushing."

New or repaired water distribution lines shall not be placed into service until bacteriological samples taken at the points specified in 401 KAR 8-150 Section 4 (2) are examined and are to be negative following disinfection.

EDUCATION
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3. A minimum pressure of 30 psi must be available on the discharge side of all meters.
4. Water mains shall be laid at least 10 feet horizontally from any existing or proposed sewer. A sewer is defined as any conduit conveying fluids other than potable water. The distance shall be measured edge to edge. In cases where it is not practical to maintain a 10 foot separation, this office may allow deviation on a case-by-case basis, if supported by data from the design engineer. Such deviation may allow installation of the water main closer to a sewer, provided that the water main is laid in a separate trench or on an undisturbed shelf located on one side of the sewer at such an elevation that the bottom of the water main is at least 18 inches above the top of the sewer. This deviation will not be allowed for force mains.

Water mains crossing sewers shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. At crossings, one full length of the water pipe shall be located so both joints will be as far from the sewer as possible. Special structural support for the water and sewer pipes may be required.

5. For underwater crossing greater than 15 feet in width the following shall be provided:
 - a. The pipe shall be of special construction, having flexible water tight joints, except if concrete encased;
 - b. valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair; the valves shall be easily accessible, and not subject to flooding; and the valve closest to the supply source shall be in a manhole; and,

- c. permanent taps shall be made on each side of the valve within the manhole to allow insertion of a small meter to determine leakage and for sampling purposes.
6. When this project is completed, the owner shall submit a written certification to the Division of Water that the above referenced water supply facilities have been constructed and tested in accordance with the approved plans and specifications and the above stipulations. Such certification shall be signed by a registered professional engineer.

It is highly recommended that the hydraulic performance of any marginal pressure areas be monitored. Appropriate corrective action should be taken immediately if the level of service is inadequate or declining, or the pressure to any customer falls below 30 psi.

Since the requirements of Administrative Regulations 401 KAR 4:050, Section 2 are met with regard to subfluvial pipe crossings, a floodplain construction permit will not be required pursuant to KRS 151.250 for this aspect of the project. Please note the reference to subfluvial pipe line crossings in the enclosed copy of the regulations.

This approval has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this approval does not relieve the applicant from the responsibility of obtaining any other approvals, permits or licenses required by this Cabinet and other state, federal and local agencies.

Unless construction of this project is begun within one year from the date of approval, the approval shall expire. If you have any questions concerning this project, please contact Bob Arnett, PE at 502/564-2225, extension 578.

Sincerely,



Vicki L. Ray, Branch Manager
Drinking Water Branch
Division of Water

Phase V-B
April 21, 1999
Page four

Enclosures

C: J.T. Blankenship and Assoc.
Christian County Health Department
Public Service Commission
Division of Plumbing
Madisonville Regional Office
Water Quality Branch
Water Resources Branch
Drinking Water Files

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
Department for Environmental Protection
Division of Water

401 KAR 4:050. Construction exemptions.

RELATES TO: KRS 151.110, 151.250, 151.310

STATUTORY AUTHORITY: KRS 151.230, 151.250

NECESSITY AND FUNCTION: In the course of regulating construction in or along streams pursuant to KRS 151.250, the Natural Resources and Environmental Protection Cabinet frequently encounters actions or proposed actions which are of such nature or location as to have little potential for damage or such that any damage which would occur is limited in extent to the immediate vicinity of the action. This regulation exempts construction of this type from the provisions of KRS 151.250.

Section 1. A construction permit pursuant to KRS 151.250 shall not be required for construction in or along a stream whose watershed is less than one (1) square mile, except for the construction of dams as defined by KRS 151.100 or other water impounding structures or for any construction that does or may endanger life or cause severe damage to residential or commercial property.

Section 2. A construction permit pursuant to KRS 151.250 shall not be required for a subfluvial utility or pipeline crossing provided that the construction of the crossing meets the following criteria:

(1) During the construction of the crossing, no material may be placed in the stream or in the flood plain of the stream to form construction pads, coffer dams, access roads, etc., unless prior approval has been obtained from the cabinet.

(2) The trench shall be backfilled as closely as possible to the original contour. All excess material from construction of the trench shall be disposed of outside of the flood plain unless the applicant has received prior approval from the cabinet to fill within the flood plain.

(3) For subfluvial crossings of erodible channels, there shall be at least thirty (30) inches clear to the top of the pipe or conduit at all points.

(4) For subfluvial crossings of nonerodible channels, there shall be at least six (6) inches of clear cover above the top of the pipe or conduit at all points, and the pipe or conduit shall be encased on all sides by at least six (6) inches of concrete.

(5) The weight of a pipe and its contents during normal operating conditions at all points must exceed that of an equal volume of water, or the applicant must provide the division with sufficient information to show that the pipe and joints have sufficient strength. (7 Ky.R. 365; eff. 11-6-80.)




Commonwealth of Kentucky
Transportation Cabinet
 Department of Highways, District Two
 1840 North Main Street, Drawer D
 Madisonville, KY 42431
 502/824-7080, (Fax) 502/824-7091
 E. H. Merryman
 Chief District Engineer

Paul E. Patton
 Governor

James C. Codell, III
 Secretary of Transportation

T. Kevin Flanery
 Deputy Secretary

January 22, 1999

 **BUD**
 Before 'U' Dig
 CALL TOLL FREE
 1-800-752-6007
 For Buried Line/Cable Locations

Mr. James Owen
 Christian County Water District
 1960 Dawson Springs Road
 Hopkinsville, KY 42241

Re: Christian County MP 024-0041-004.173
 US 41 Hopkinsville-Pembroke Road
 Christian County Water District
 Utility Permit # 2-0030-99

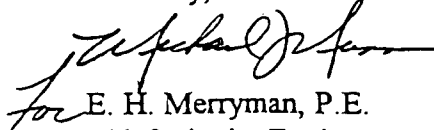
Dear Mr. Owen:

The Department of Highways has approved your application for an encroachment permit. We are returning two copies of the approved permit so one may be kept in your record files. The other copy must be given to the party responsible for completing the project and must be kept at the job site at all times.

Please see that the work is done in strict conformity with the permit and any other applicable conditions (see Form TC 99-21 and any other attached documents, conditions, or specification). The work should be completed no later than July 1, 2000. When the permitted work and any necessary restoration have been completed, please notify this office by using the attached form which will serve as notification for final inspection.

If there are any questions regarding this permit, please do not hesitate to contact our District Permit Engineer Technologist at 502-824-7080 or fax number 502-824-7091.

Sincerely,


 for E. H. Merryman, P.E.
 Chief District Engineer
 District Two

EHM:ba
 Attachments

KENTUCKY TRANSPORTATION CABINET
 Department of Highways
 Permits Branch

TC 99-1
 Rev. 7/85

Released Date _____

ENCROACHMENT PERMIT

PERMIT NO. 2-0030-99

APPLICANT IDENTIFICATION:
 NAME: Christian County Water District
 CONTACT PERSON: James Owen
 ADDRESS: 1960 Dawson Springs Road
 CITY: Hopkinsville
 STATE: KY ZIP CODE: 42241
 PHONE: area code (_____) 886-3696

PROJECT IDENTIFICATION:
 ACCESS CONTROL By Permit Partial Full
 COUNTY: Christian PRIORITY ROUTE NO: Various
 MILEPOINT: Various Left Right X-ing
 PROJECT STATUS: Maint. Const. Design
 PROJECT # STATE: MP024-0041-004.173
 PROJECT # FEDERAL: _____
 ROAD/ STREET NAME: _____

TYPE OF ENCROACHMENT:
 COMMERCIAL ENTRANCE - BUSINESS
 PRIVATE ENTRANCE: Single Family Farm
 UTILITY: Overhead Underground
 GRADE: Fill Landscape on R/W
 AIRSPACE: Agreement Lease
 OTHER: (Specify) _____

ATTACHMENTS:
 Standard Drawings (List on TC 99-21 under Misc.)
 Applicant's Plans
 Highway Plan and Profile Sheets
 TC 99-3 (Ponding Encroachment Specs. & Conditions)
 TC 99-4 (Rest Area Usage Specs. & Conditions)
 TC 99-5 (Tree Cutting/Trimming Specs. & Conditions)
 TC 99-6 (Chemical Use of Specs. & Conditions)
 TC 99-10 (Typical Hwy. Boring Crossing Detail)
 TC 99-12 (Overhead Utility Encroachment Diagram)
 TC 99-13 (Surface Restoration Methods)
 TC 99-21 (Encroachment Permit General Notes & Specs.)
 TC 99-22 (Agreement for Services to be Performed)
 TC 99-23 (Mass Transit Shelter Specs. & Conditions)
 Other Attachments (Specify): _____

TYPE OF INDEMNITY: Bond Cash
 SELF-INSURED AMOUNT ENCUMBERED \$ _____
 OTHER _____

NAME AND ADDRESS OF LOCAL INSURANCE AGENCY OR SELF-INSURED REPRESENTATIVE: _____

INDEMNITY: The applicant, in order to secure this obligation, has deposited with the Transportation Cabinet as a guarantee of conformance with the Department's Encroachment Permit requirements, an indemnity in the amount of \$ 2,000.00 as determined by the Department. It shall be the responsibility of the applicant or permittee, his heirs and assignees to keep all indemnities in full force until construction or reconstruction has been completed and duly accepted by an authorized agent of the Transportation Cabinet, Department of Highways.

BRIEF DESCRIPTION OF WORK TO BE DONE: (If private entrance, show sketch with pipe location. Separate attached drawings required for encroachments other than private entrances.) Installation of water mains that will be located parallel to the roadway on both right of way and private easement. Road bores will be constructed in accordance with the attached typical cross section. All areas that are disturbed will be restored, seeded and straw mulched. See attached information and plans for construction locations.

IMPORTANT (PLEASE READ): Applicant does does not intend to apply for excess R/W

When the work is completed in accordance with the terms of this encroachment permit, your idemnity will be released. However, the permit is effective until revoked by the Transportation Cabinet and the terms on the permit accompanying permit documents and drawings remain in effect as long as the encroachment exists. **FUTURE MAINTENANCE OF THE ENCROACHMENT IS THE RESPONSIBILITY OF THE PERMITTEE.** It is important that you understand the requirements of this encroachment permit application and accompanying documents. If you have not done so, it is suggested that you review these documents and place the permit package in a safe place for future reference.

A copy of this permit and all documents shall be given to your contractor and shall be readily available at the work site for the encroachment permit inspector to review at all times. Failure to meet this requirement may result in cancellation of this permit.

IN THE EVENT THIS APPLICATION IS APPROVED, THIS DOCUMENT SHALL CONSTITUTE A PERMIT FOR THE APPLICANT TO USE THE RIGHT-OF-WAY, BUT ONLY IN THE MANNER AUTHORIZED BY THIS DOCUMENT AND REGULATIONS OF THE DEPARTMENT AND THE DRAWINGS, PLANS, ATTACHMENTS, AND OTHER PERTINENT DATA ATTACHED HERETO AND MADE A PART HEREOF.

ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

I. SAFETY

A. General Requirements

- All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual.
- All work necessary in shoulder or ditchline areas of a state highway is to be scheduled to be promptly completed so that hazards adjacent to the traveled-way are kept to an absolute minimum.
- No more than one (1) traveled-lane is to be blocked or obstructed during normal working hours. All signs and flagmen during lane closure shall conform to the Manual on Uniform Traffic Control Devices.
- When it is necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes are to be blocked or obstructed during adverse weather conditions (i.e., rain, snow, fog, etc.) with specific permission from the Department. Working hours shall be between _____ and _____.
- The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
- No nonconstruction equipment or vehicles or office trailers will be allowed on the right-of-way during working hours.
- The right-of-way shall be left free and clear of equipment, material, and vehicles during non-working hours.

B. Explosives

- No explosive devices or explosive material shall be used within state right-of-way without proper license and approval of Kentucky Department of Mines and Minerals, Explosive Division.

C. Other Safety Requirements

- _____
- _____
- _____

II. UTILITIES

- *All work necessary within the right-of-way shall be behind a temporary fence erected prior to a boring operation.
- *The temporary woven wire fence shall be removed immediately upon completion of work on the right-of-way and control of access immediately restored to original condition, in accordance with applicable Kentucky Department of Highways Standard Drawings.
- *All vents, valves, manholes, etc. are to be located outside the right-of-way.
- *Encasement pipe shall extend from right-of-way line to right-of-way line and shall be one continuous run of pipe. The encasement pipe shall be welded at all joints.
- The boring pit and tail ditch shall extend past the existing toe of slope or bottom of ditch line and shall be a minimum of 30" deep.
- Encasement pipe shall conform to current standards for highway crossings in accordance with the Permits Manual.
- Parallel lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 30" cover above top of pipe or conduit. ~~120" preferred~~
- All pavement cuts shall be restored per Kentucky Transportation Cabinet Form No. TC 99-13.
- Aerial crossing of this utility line shall have a minimum clearance of _____ feet from the high point of the roadway to the low point of the line (calculated at the coefficient for expansion of 120 degrees Fahrenheit).
- The 30' clear zone requirement will be met to the extent possible in accordance with Chapter 99-02.0313 of the Permits Manual.
- Special Requirements:

*Applies to Fully Controlled Access Highways ONLY

VI. PAVING

- No bituminous pavement is to be installed within the right-of-way between November 15 and April 1, nor when the temperature is below 40°F, without the express consent of the Department. No bituminous pavement is to be installed when the underlying course is wet.
- Paving within the right-of-way shall be as follows:
 - Base (Type) _____ (Thickness) _____
 - Surface Base (Type) _____ (Thickness) _____
 - Finished Surface (Type) _____ (Thickness) _____
- Existing pavement and shoulder material shall be removed to accommodate the above paving specifications.
- The finished surface of all new pavement within the right-of-way shall be true to the required slope and grade, uniform in density and texture, free of irregularities, and equivalent in riding qualities to the adjacent highway pavement or as determined by the Department of Highways.
- All materials and methods of construction, including base and subgrade preparation, shall be in accordance with Kentucky Department of Highways Specifications for Road and Bridge Construction, latest edition.
- 24 hours notice to the Department is required prior to beginning paving operations:
 - Phone: _____ Name _____
- To insure proper surface drainage the new pavement is to be flush with the edge of existing highway pavement and is to slope away from the existing edge of the pavement as specified on drawings.
- Existing edge of pavement shall be saw cut to provide a straight and uniform joint for new pavement. An approved joint sealer, in accordance with Kentucky Department of Highways Standard Specifications (latest edition) shall be applied between new and existing pavement.

VII. SIDEWALKS SPECIFICATIONS

A. New Sidewalks

- Sidewalks are to be constructed of Class A concrete (3,500 p.s.i. test), are to be * _____ feet in width, are to be 6" in thickness across the bituminous entrance and 4" in thickness across the remaining sections.
 - Sidewalks are to have tooled joints, not less than 1" in depth at four (4) foot intervals, and ½ preformed expansion joints extending entirely through the sidewalk at intervals not to exceed fifty (50) feet.
- * This dimension should be equal to the width of the sidewalk
- All materials and methods of construction, including curing, is to be in accordance with Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, latest edition.

B. Existing Sidewalks

- (Applicable if existing sidewalks are being relocated) Use of the sidewalk is not to be blocked or obstructed, and a usable walkway is to be maintained across the construction area at all times.
- All damaged sections of the sidewalks are to be entirely replaced to match existing sections.

VIII. DENSE GRADED SHOULDERS

- Any existing dense graded aggregate shoulders in the entire frontage within the construction area, which have been disturbed, damaged, or on which dirt has been placed or mud is deposited or tracked, are to be restored to original condition by removal of all contaminated material and replaced to proper grade with new dense graded aggregate.
- All new aggregate shoulders as specified on the plan are to consist of 5" compacted dense graded aggregate 2½ pounds per square yard calcium chloride.
- All dense graded aggregate shoulders are to slope away from the new edge of pavement at the rate of ¾" per foot.

IX. CURBING

A. Bituminous Curbs

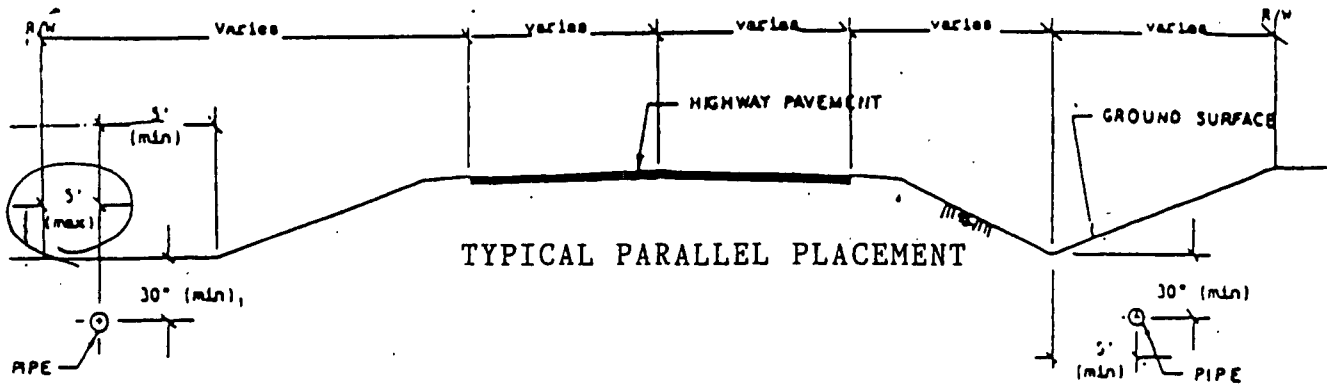
- Bituminous concrete curbs shall be given a paint coat of asphalt emulsion.
- The surface under the bituminous concrete curb shall be tacked with asphalt emulsion.
- All bituminous concrete curbs shall be constructed of a Class I bituminous concrete mixture as specified by official Department of Highways specifications.
- All bituminous curbs shall be of the rolled curb type with a minimum base width of 8" and a minimum height of _____ inches. The top of the curb shall be constructed in such a manner as to guarantee a uniform rolled effect throughout the entire run.

ATTACHMENT I
Road Bores at Various Locations

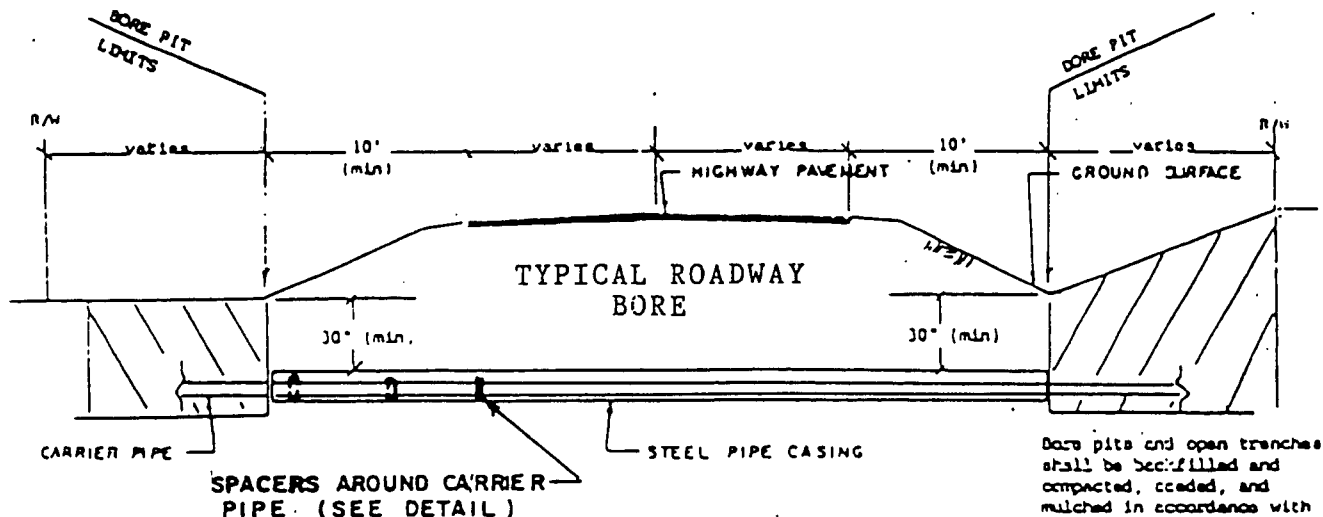
<u>Route Number</u>	<u>Milepoint</u>
41	4.173
695	0.000
164	2.942
1026	2.016
1349	2.500 ±
287	2.351 ±
109	0.000
1348	5.580
1296	0.000
107	11.901
91	11.709
117	4.953
Pennyrile Parkway	13.900

Parallel Placement Locations

<u>Route Number</u>	<u>Milepoint</u>
41	22.15 rt. & 23.8 rt.
109	2.75 rt.
115	4.78 lt. & 5.79 lt. & 7.26 lt.
164	3.64 rt.
287	5.90 rt.
398	0.35 rt.



TYPICAL PARALLEL PLACEMENT



TYPICAL CROSS SECTIONS OF PIPELINE
ALONG OR UNDER STATE HIGHWAY



Commonwealth of Kentucky
Transportation Cabinet

Department of Highways, District Two
1840 North Main Street, Drawer D
Madisonville, KY 42431
502/824-7080, (Fax) 502/824-7091
E. H. Merryman
Chief District Engineer

Paul E. Patton
Governor

James C. Codell, III
Secretary of Transportation

T. Kevin Flanery
Deputy Secretary

April 6, 1999

Mr. James Owen
Christian County Water District
P. O. Box 7
Hopkinsville, KY 42240

Re: Christian County US 41
Christian County Water District
Utility Permit #02-0935-97 Addendum #1

Dear Mr. Owen,

The subject addendum to construct a 20 ft. entrance at your pump station on US 41 north in Hopkinsville is approved in accordance to the attached drawing. Please proceed at your convenience with the construction phase and advise when completed. All other previously approved provisions of the permit remain in affect.

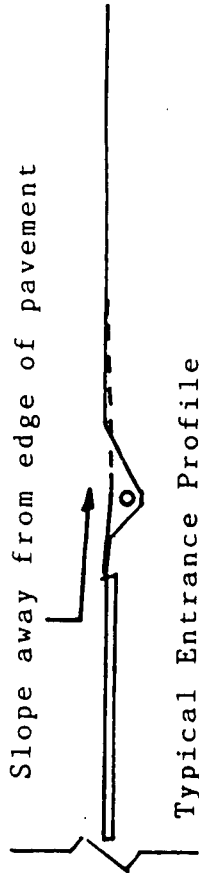
If you have any questions, please advise.

Sincerely,

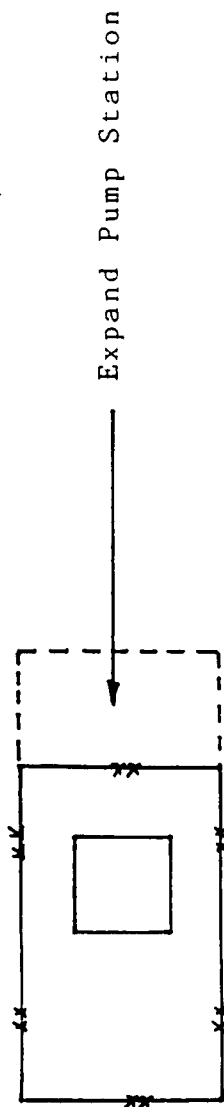
Michael J. Nunn
Permit Technologist
District Two

Attachment

Slope away from edge of pavement



Typical Entrance Profile



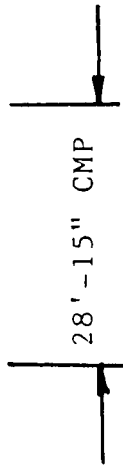
Expand Pump Station

Existing Entrance

20 ft entrance
Pave with 2" - 4" stone



28' - 15" CMP



US 41 North

To Ky 1682



USDA-FmHA
Form FmHA 442-2
(Rev. 9-89)

STATEMENT OF BUDGET, INCOME AND EQUITY

Schedule 1

Name CHRISTIAN COUNTY WATER DISTRICT	Address P.O. BOX 7, HOPKINSVILLE, KY 42217-0007
--	---

(1)	PRIOR YEAR <u>Actual</u>	ANNUAL BUDGET		For the _____ Months Ended _____ CURRENT YEAR		
		BEG 1999 END 2000	Actual Data		Actual YTD	
			Current Quarter	Year To Date	(Over) Under Budget Col. 3 - 5 = 6	
	(2)	(3)	(4)	(5)	(6)	
OPERATING INCOME						
1. <u>WATER SALES</u>		1,565,000				
2. <u>PENALTIES</u>		27,000				
3. <u>RECONNECTIONS</u>		2,500				
4. <u>TAPS</u>		36,000				
5. Miscellaneous RETURNED CHECKS		4,000				
6. Less: Allowances and Deductions						
7. Total Operating Income (Add lines 1 through 6)		1,638,500				
OPERATING EXPENSES						
8. <u>UTILITIES</u>		37,000				
9. <u>WATER PURCHASED</u>		500,000				
10. <u>REPAIRS</u>		70,000				
11. <u>OFFICE EXPENSES</u>		35,000				
12. <u>SALARIES/FRINGE</u>		250,000				
13. <u>INSURANCE</u>		36,000				
14. <u>MISCELLANEOUS</u>		200,000				
15. Interest (FmHA)		300,000				
16. Depreciation		225,000				
17. Total Operating Expense (Add Lines 8 through 16)		1,653,000				
18. NET OPERATING INCOME (LOSS) (Line 7 less 17)		(14,500)				
NONOPERATING INCOME						
19. <u>INTEREST</u>		25,000				
20. _____						
21. Total Nonoperating Income (Add 19 and 20)		25,000				
22. NET INCOME (LOSS) (Add Lines 18 and 21)		10,500				
23. Equity Beginning of Period						
24. _____						
25. _____						
26. Equity End of Period (Add lines 22 through 25)						

Budget and Annual Report Approved by Governing Body

Quarterly Reports Certified Correct

Secretary Date

Appropriate Official Date

Public reporting burden for this collection of information is estimated to average 2 1/2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0575-0015), Washington, D.C. 20503.



**CHRISTIAN COUNTY (KENTUCKY) WATER DISTRICT
 WATER REVENUE BONDS
 SERIES 1999
 ESTIMATED DEBT SERVICE AND SOURCES AND USES OF FUNDS (30 YEAR SCENARIO)**

Fiscal Year June 30	Series 1999 Bonds			Less D.S.R. Earnings	Net Debt Service
	Principal	Interest (2)	Interest		
2000	\$50,000	3.75%	\$92,444	\$5,487	\$86,976
2001	55,000	3.85%	163,960	10,935	223,015
2002	55,000	4.10%	181,954	10,935	228,019
2003	60,000	4.30%	179,788	10,935	223,833
2004	60,000	4.40%	177,350	10,935	226,415
2005	60,000	4.50%	174,740	10,935	223,805
2006	65,000	4.70%	171,968	10,935	226,023
2007	70,000	4.80%	169,000	10,935	223,065
2008	70,000	4.75%	165,880	10,935	224,925
2009	75,000	4.80%	162,553	10,935	221,618
2010	80,000	4.90%	159,080	10,935	223,155
2011	85,000	5.00%	155,330	10,935	224,395
2012	80,000	5.10%	151,245	10,935	225,310
2013	85,000	5.20%	146,825	10,935	225,880
2014	100,000	5.25%	142,060	10,935	226,125
2015	105,000	5.30%	136,985	10,935	226,050
2016	110,000	5.40%	129,805	10,935	225,823
2017	115,000	5.50%	123,558	10,935	224,623
2018	120,000	5.70%	119,558	10,935	223,623
2019	130,000	5.70%	112,980	10,935	221,926
2020	135,000	5.70%	105,735	10,935	224,800
2021	145,000	5.70%	98,183	10,935	222,248
2022	155,000	5.70%	90,203	10,935	224,268
2023	160,000	5.70%	81,653	10,935	225,718
2024	170,000	5.70%	72,675	10,935	221,740
2025	180,000	5.70%	63,270	10,935	222,395
2026	195,000	5.70%	53,285	10,935	222,390
2027	205,000	5.70%	42,608	10,935	226,673
2028	215,000	5.70%	31,208	10,930	225,273
2029	230,000	5.70%	19,238	10,930	214,308
2030			6,555	228,270	10,285
Total	\$3,445,000		\$3,705,490	\$557,947	\$6,592,643

(1) Cost of Issuance includes Fiscal Agent, Bond Counsel, Rating Agency, Trustee, and Printing.
 (2) Interest rates as of July 16, 1999.

NOTES: All Bond issues will be issued in \$5,000 denominations.
 Assumes a Bond Issue date of September 1, 1999.
 All calculations have been rounded to the nearest dollar.
 Debt Service Reserve earnings estimated at 4.75% with release of Reserve in final two Fiscal years.

J.J.B. HILLIARD, W.L. LYONS, INC.

Sources of Funds	
New Money Bonds	\$3,445,000
Tap Fees	170,000
Interest Earnings	75,000
Total	\$3,690,000

Uses of Funds	
Construction Costs	\$3,228,526
Additional Construction	\$103,860
Contingency	447
Discount (2.00%)	66,900
Debt Service Reserve	237,608
Costs of Issuance (1)	50,690
Total	\$3,690,000

J.T. BLANKINSHIP & ASSOCIATES

Consulting Engineers and Land Surveyors

401 SOUTH 17TH STREET - P.O. BOX 40 - MURPHYSBORO, ILLINOIS 62966

WATER AND SEWERAGE IMPROVEMENTS
STREET AND HIGHWAY IMPROVEMENTS
AIRPORTS - EVALUATION SURVEYS - SUBDIVISIONS
TELEPHONE 618-687-1771
FAX 618-687-1773

June 23, 1999

Chairman and Board of Commissioners
Christian County Water District
1960 Dawson Springs Road
P.O. Box 7
Hopkinsville, KY 42240-0007ne

Re: Water Distribution System Expansion
Phase V-A, Contract "A"
Water Main Extensions

Gentlemen:

On Thursday, June 17, 1999, bids were received for the above referenced project.
The following eight (8) bids were received:

	<u>Base Bid</u>	<u>Add Alternates</u>	<u>Total</u>
1. Stotts Construction Co.- Columbia, KY	\$2,266,549.60	\$360,318.10	\$2,626,867.70
2. Salmon Plumbing, Inc. - Mt. Washington, KY	\$2,472,528.92	\$364,916.84	\$2,837,445.76
3. Cleary Construction Co.- Tompilinsville, KY	\$2,566,343.65	\$415,029.00	\$2,981,372.65
4. Parson's Construction - London, KY	\$2,588,902.00	\$397,123.00	\$2,986,025.00
5. Gregory Piping Co., Inc.- Paducah, KY	\$2,664,415.50	\$413,927.20	\$3,078,342.70
6. Laurel Construction - London, KY	\$2,772,448.50	\$444,660.40	\$3,217,108.90
7. Luttrell & Sons, Inc.- Olaton, KY	\$2,856,309.58	\$453,065.52	\$3,309,375.10

J.T. BLANKINSHIP & ASSOCIATES

Consulting Engineers and Land Surveyors

401 SOUTH 17TH STREET - P.O. BOX 40 - MURPHYSBORO, ILLINOIS 62966

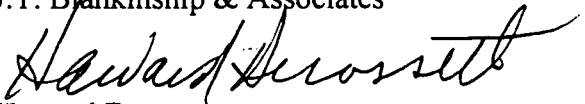
WATER AND SEWERAGE IMPROVEMENTS
STREET AND HIGHWAY IMPROVEMENTS
AIRPORTS - EVALUATION SURVEYS - SUBDIVISIONS
TELEPHONE 618-687-1771
FAX 618-687-1773

8. Kelly & Wilmore Co., Inc	\$2,970,757.50	\$450,056.00	\$3,420,813.50
Owensboro, KY			

The bids have been reviewed and found to be in order. A copy of the Tabulation of Bids is enclosed. The bid of Stotts Construction Company is 18.4% under the Engineer's pre-bid estimate.

If the money market is favorable, based on the favorable bid prices, we recommend the board formally accept the bid of Stotts Construction Company in the amount of \$2,626,867.70, which includes all the add alternates, and enter into an agreement with them to complete the project.

Very Truly Yours,
J.T. Blankinship & Associates


Howard Derossett

HD/cp

CC: John Kirkham, Attorney
Randy Jones, Rubin, Hayes & Foley
File 7445B

TABULATION OF BIDS

Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	4" PVC Water Main (SDR-21, CL 200)	L.F.	107,067	\$2.75	\$294,434.25	\$2.10	\$224,840.70	\$1.80	\$192,720.60	\$2.60	\$278,374.20	\$2.50	\$267,667.50		
2	4" PVC Water Main (SDR-17, CL 250)	L.F.	10,738	\$3.25	\$34,898.50	\$2.25	\$24,160.50	\$3.50	\$37,583.00	\$2.80	\$30,066.40	\$3.00	\$32,214.00		
3	6" PVC Water Main (SDR-21, CL 200)	L.F.	173,073	\$4.00	\$692,292.00	\$3.05	\$527,872.65	\$3.70	\$640,370.10	\$3.60	\$623,062.80	\$3.50	\$605,755.50		
4	6" PVC Water Main (SDR-17, CL 250)	L.F.	16,082	\$4.45	\$71,564.90	\$3.60	\$57,895.20	\$4.25	\$68,348.50	\$4.30	\$69,152.60	\$4.00	\$64,328.00		
5	8" PVC Water Main (SDR-21, CL 200)	L.F.	43,525	\$6.00	\$261,150.00	\$4.15	\$180,628.75	\$5.50	\$239,387.50	\$5.45	\$237,211.25	\$6.00	\$261,150.00		
6	8" PVC Water Main (SDR-17, CL 250)	L.F.	12,800	\$7.00	\$89,600.00	\$5.30	\$67,840.00	\$6.00	\$76,800.00	\$6.55	\$83,840.00	\$6.50	\$83,200.00		
7	10" PVC Water Main (SDR-21, CL 200)	L.F.	18,025	\$10.00	\$180,250.00	\$6.10	\$109,952.50	\$7.68	\$138,432.00	\$7.90	\$142,397.50	\$11.00	\$198,275.00		
8	10" PVC Water Main (SDR-17, CL 250)	L.F.	9,786	\$12.00	\$117,432.00	\$7.55	\$73,884.30	\$9.69	\$94,826.34	\$9.65	\$94,434.90	\$12.00	\$117,432.00		
9	4" River Crossing Pipe	L.F.	108	\$35.00	\$3,780.00	\$60.00	\$6,480.00	\$61.86	\$6,680.88	\$58.00	\$6,264.00	\$70.00	\$7,560.00		
10	6" River Crossing Pipe	L.F.	700	\$50.00	\$35,000.00	\$65.00	\$45,500.00	\$75.62	\$52,934.00	\$75.00	\$52,500.00	\$70.00	\$49,000.00		
11	8" River Crossing Pipe	L.F.	126	\$60.00	\$7,560.00	\$75.00	\$9,450.00	\$120.00	\$15,120.00	\$85.00	\$10,710.00	\$95.00	\$11,970.00		
12	10" River Crossing Pipe	L.F.	108	\$70.00	\$7,560.00	\$85.00	\$9,180.00	\$155.00	\$16,740.00	\$108.00	\$11,664.00	\$120.00	\$12,960.00		
13	10" Steel Casing Pipe w/4" PVC Carrier Pipe (Bore/Push)	L.F.	345	\$65.00	\$22,425.00	\$60.00	\$20,700.00	\$45.00	\$15,525.00	\$48.00	\$16,560.00	\$62.00	\$21,424.00		
14	10" Steel Casing Pipe w/6" PVC Carrier Pipe (Bore/Push)	L.F.	270	\$75.00	\$20,250.00	\$60.00	\$16,200.00	\$45.00	\$12,150.00	\$49.00	\$13,230.00	\$62.00	\$16,740.00		
15	14" Steel Casing Pipe w/8" PVC Carrier Pipe	L.F.	110	\$100.00	\$11,000.00	\$70.00	\$7,700.00	\$60.00	\$6,600.00	\$65.00	\$7,150.00	\$95.00	\$10,450.00		
16	4" PVC Water Main Pushed Under Roadway	L.F.	371	\$25.00	\$9,275.00	\$15.00	\$5,565.00	\$22.00	\$8,162.00	\$18.00	\$6,678.00	\$10.00	\$3,710.00		
17	6" PVC Water Main Pushed Under Roadway	L.F.	725	\$30.00	\$21,750.00	\$15.00	\$10,875.00	\$22.00	\$15,950.00	\$20.00	\$14,500.00	\$15.00	\$10,875.00		
18	8" PVC Water Main Pushed Under Roadway	L.F.	542	\$40.00	\$21,680.00	\$20.00	\$10,840.00	\$22.00	\$11,924.00	\$25.00	\$13,550.00	\$20.00	\$10,840.00		
19	10" PVC Water Main Pushed Under Roadway	L.F.	189	\$45.00	\$8,505.00	\$20.00	\$3,780.00	\$22.00	\$4,158.00	\$25.00	\$4,725.00	\$25.00	\$4,725.00		
20	4" Gate Valve	Each	39	\$350.00	\$13,650.00	\$350.00	\$13,650.00	\$350.00	\$13,650.00	\$370.00	\$14,310.00	\$275.00	\$10,725.00		
21	6" Gate Valve	Each	52	\$400.00	\$20,800.00	\$400.00	\$20,800.00	\$400.00	\$20,800.00	\$370.00	\$19,240.00	\$325.00	\$16,900.00		
22	8" Gate Valve	Each	21	\$600.00	\$12,600.00	\$585.00	\$12,285.00	\$550.00	\$11,550.00	\$540.00	\$11,340.00	\$400.00	\$8,400.00		
23	10" Gate Valve	Each	9	\$800.00	\$7,200.00	\$785.00	\$7,065.00	\$650.00	\$5,850.00	\$800.00	\$7,200.00	\$600.00	\$5,400.00		
24	Gate Valve in Concrete Vault	Each	10	\$1,000.00	\$10,000.00	\$2,000.00	\$20,000.00	\$1,000.00	\$10,000.00	\$1,950.00	\$19,500.00	\$800.00	\$8,000.00		

J. T. Blankinship & Associates
 Consulting Engineers
 401 South 17th Street
 Murphysboro, Illinois 62966

Project: Water Distribution System Expansion, Phase V-B, Contract "A"
 Christian County Water District
 Place: 1960 Dawson Springs Road, Hopkinsville, KY 42241
 Date: June 17, 1999
 Hour: 1:30 P.M.

Name & Address of Bidders
 Slots Construction
 3615 Burkesville Road
 Columbia, KY 42728
 Phone: (502) 384-2677

Salmon Plumbing, Inc.
 149 S. Bardstown Road
 Mt. Washington, KY 40047
 Phone: (502) 538-7676

Cleary Construction
 1860 Edmonon Road
 Tompkinsville, KY 42167
 Phone: (502) 487-1784

James Parson's Const.
 7304 W. Laurel Road
 London, KY 40741
 Phone: (606) 864-7523

Sheet 1
 Job No. 7445B

LABORATION OF BIDS

Item No.	Items	Unit	Quantity	Unit Price	Total	Gregory Piping Company 3300 Coleman Road Paducah, KY 42001 Phone: (270) 443-4122	Laurel Construction 5209 Somerset Road London, KY 40741 Phone: (606) 878-8812	Bobby Luttrell & Sons 5276 Cedar Grove Road Olaton, KY 42361 Phone: (502) 298-7861	Kelly & Wilmore Co., Inc. 2701 Green River Drive Owensboro, KY 42302 Phone: (502) 683-6995		
1	4" PVC Water Main (SDR-21, CL 200)	L.F.	107,067	\$2.75	\$294,434.25	\$2.35	\$251,607.45	\$3.00	\$306,211.62	\$2.30	\$246,254.10
2	4" PVC Water Main (SDR-17, CL 250)	L.F.	10,738	\$3.25	\$34,898.50	\$2.60	\$27,918.80	\$3.20	\$34,361.60	\$3.05	\$32,760.90
3	6" PVC Water Main (SDR-21, CL 200)	L.F.	173,073	\$4.00	\$692,292.00	\$4.00	\$692,292.00	\$4.30	\$744,213.90	\$3.70	\$640,370.10
4	6" PVC Water Main (SDR-17, CL 250)	L.F.	16,082	\$4.45	\$71,564.90	\$4.35	\$69,956.70	\$5.00	\$80,410.00	\$4.25	\$68,348.50
5	8" PVC Water Main (SDR-21, CL 200)	L.F.	43,525	\$6.00	\$261,150.00	\$5.25	\$228,506.25	\$6.60	\$287,265.00	\$5.64	\$245,481.00
6	8" PVC Water Main (SDR-17, CL 250)	L.F.	12,800	\$7.00	\$89,600.00	\$6.00	\$76,800.00	\$7.60	\$97,280.00	\$6.62	\$84,736.00
7	10" PVC Water Main (SDR-21, CL 200)	L.F.	18,025	\$10.00	\$180,250.00	\$7.60	\$136,990.00	\$10.00	\$180,250.00	\$9.38	\$169,074.50
8	10" PVC Water Main (SDR-17, CL 250)	L.F.	9,786	\$12.00	\$117,432.00	\$8.80	\$86,116.80	\$12.00	\$117,432.00	\$10.86	\$106,275.96
9	4" River Crossing Pipe	L.F.	108	\$35.00	\$3,780.00	\$55.00	\$5,940.00	\$35.00	\$3,780.00	\$100.00	\$10,800.00
10	6" River Crossing Pipe	L.F.	700	\$50.00	\$35,000.00	\$68.00	\$47,600.00	\$45.00	\$31,500.00	\$150.00	\$105,000.00
11	8" River Crossing Pipe	L.F.	126	\$60.00	\$7,560.00	\$90.00	\$11,340.00	\$70.00	\$8,820.00	\$175.00	\$22,050.00
12	10" River Crossing Pipe	L.F.	108	\$70.00	\$7,560.00	\$120.00	\$12,960.00	\$90.00	\$9,720.00	\$200.00	\$21,600.00
13	10" Steel Casing Pipe w/4" PVC Carrier Pipe (Bore/Push)	L.F.	345	\$65.00	\$22,425.00	\$60.00	\$20,700.00	\$45.00	\$15,525.00	\$60.00	\$20,700.00
14	10" Steel Casing Pipe w/6" PVC Carrier Pipe (Bore/Push)	L.F.	270	\$75.00	\$20,250.00	\$65.00	\$17,550.00	\$50.00	\$13,500.00	\$65.00	\$17,550.00
15	14" Steel Casing Pipe w/8" PVC Carrier Pipe	L.F.	110	\$100.00	\$11,000.00	\$85.00	\$9,350.00	\$65.00	\$7,150.00	\$75.00	\$8,250.00
16	4" PVC Water Main Pushed Under Roadway	L.F.	371	\$25.00	\$9,275.00	\$20.00	\$7,420.00	\$15.00	\$5,565.00	\$25.00	\$9,275.00
17	6" PVC Water Main Pushed Under Roadway	L.F.	725	\$30.00	\$21,750.00	\$25.00	\$18,125.00	\$20.00	\$14,500.00	\$28.00	\$20,300.00
18	8" PVC Water Main Pushed Under Roadway	L.F.	542	\$40.00	\$21,680.00	\$30.00	\$16,260.00	\$30.00	\$16,260.00	\$30.00	\$16,260.00
19	10" PVC Water Main Pushed Under Roadway	L.F.	189	\$45.00	\$8,505.00	\$40.00	\$7,560.00	\$40.00	\$7,560.00	\$32.00	\$6,048.00
20	4" Gate Valve	Each	39	\$350.00	\$13,650.00	\$290.00	\$11,310.00	\$300.00	\$11,700.00	\$300.00	\$11,700.00
21	6" Gate Valve	Each	52	\$400.00	\$20,800.00	\$360.00	\$18,720.00	\$350.00	\$18,200.00	\$375.00	\$19,500.00
22	8" Gate Valve	Each	21	\$600.00	\$12,600.00	\$525.00	\$11,025.00	\$400.00	\$8,400.00	\$600.00	\$12,600.00
23	10" Gate Valve	Each	9	\$800.00	\$7,200.00	\$780.00	\$7,020.00	\$900.00	\$8,100.00	\$800.00	\$7,200.00
24	Gate Valve in Concrete Vault	Each	10	\$1,000.00	\$10,000.00	\$1,900.00	\$19,000.00	\$1,200.00	\$12,000.00	\$2,500.00	\$25,000.00

TABULATION OF BIDS

J. T. Blankinship & Associates Consulting Engineers 401 South 17th Street Murphysboro, Illinois 62966		Name & Address of Bidders		Stotts Construction 3615 Burkessville Road Columbia, KY 42228 Phone: (502) 384-2677		Salmon Plumbing, Inc. 149 S. Bardstown Road Mt. Washington, KY 40047 Phone: (502) 538-7676		Cleary Construction 1860 Edmonton Road Tompkinsville, KY 42167 Phone: (502) 487-1784		James Parson's Const 7304 W. Laurel Road London, KY 40741 Phone: (606) 864-7523	
Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
25	Air Release Valve	Each	35	\$400.00	\$14,000.00	\$250.00	\$8,750.00	\$300.00	\$10,500.00	\$280.00	\$9,800.00
26	4" Flush Hydrant	Each	36	\$1,100.00	\$39,600.00	\$1,200.00	\$43,200.00	\$1,200.00	\$43,200.00	\$1,200.00	\$43,200.00
27	6" Flush Hydrant	Each	67	\$1,200.00	\$80,400.00	\$1,350.00	\$90,450.00	\$1,250.00	\$83,750.00	\$1,400.00	\$93,800.00
28	3/4" Water Service Line	L.F.	25,000	\$2.00	\$50,000.00	\$2.00	\$50,000.00	\$2.00	\$50,000.00	\$1.80	\$45,000.00
29	Service Meter (Complete)	Each	67	\$350.00	\$23,450.00	\$275.00	\$18,425.00	\$250.00	\$17,420.00	\$275.00	\$18,425.00
30	Service Meter w/PRV	Each	327	\$400.00	\$130,800.00	\$300.00	\$98,100.00	\$325.00	\$106,275.00	\$310.00	\$101,370.00
31	Water Service Transfer	Each	95	\$200.00	\$19,000.00	\$125.00	\$11,875.00	\$145.00	\$13,775.00	\$110.00	\$10,450.00
32	Selected Granular Backfill	C.Y.	3,801	\$16.00	\$60,816.00	\$15.00	\$57,015.00	\$18.00	\$68,418.00	\$18.00	\$68,418.00
33	3" x 3" Pressure Connection	Each	2	\$1,000.00	\$2,000.00	\$700.00	\$1,400.00	\$800.00	\$1,600.00	\$700.00	\$1,400.00
34	4" x 4" Pressure Connection	Each	5	\$1,000.00	\$5,000.00	\$700.00	\$3,500.00	\$1,000.00	\$5,000.00	\$765.00	\$3,825.00
35	6" x 4" Pressure Connection	Each	2	\$1,100.00	\$2,200.00	\$750.00	\$1,500.00	\$1,000.00	\$2,000.00	\$825.00	\$1,650.00
36	6" x 6" Pressure Connection	Each	9	\$1,200.00	\$10,800.00	\$850.00	\$7,650.00	\$1,000.00	\$9,000.00	\$975.00	\$8,775.00
38	8" x 6" Pressure Connection	Each	2	\$1,400.00	\$2,800.00	\$900.00	\$1,800.00	\$1,050.00	\$2,100.00	\$1,075.00	\$2,150.00
39	Bituminous Pavement Removal & Replacement	S.Y.	150	\$25.00	\$3,750.00	\$25.00	\$3,750.00	\$30.00	\$4,500.00	\$26.00	\$3,900.00
40	Stone Riprap	Ton	300	\$20.00	\$6,000.00	\$12.00	\$3,600.00	\$18.00	\$5,400.00	\$15.00	\$4,500.00
41	Connection to Existing Water Main 2"	Each	1	\$700.00	\$700.00	\$200.00	\$200.00	\$250.00	\$250.00	\$220.00	\$220.00
42	Connection to Existing Water Main 3"	Each	1	\$850.00	\$850.00	\$300.00	\$300.00	\$300.00	\$300.00	\$325.00	\$325.00
43	Connection to Existing Water Main 4"	Each	3	\$950.00	\$2,850.00	\$400.00	\$1,200.00	\$500.00	\$1,500.00	\$375.00	\$1,125.00
44	Connection to Existing Water Main 6"	Each	7	\$1,100.00	\$7,700.00	\$300.00	\$2,100.00	\$550.00	\$3,850.00	\$500.00	\$3,500.00
45	Cut and Cap Existing Water Main	Each	10	\$300.00	\$3,000.00	\$200.00	\$2,000.00	\$100.00	\$1,000.00	\$225.00	\$2,250.00
46	Check Valve in Concrete Vault	Each	4	\$3,000.00	\$12,000.00	\$14,000.00	\$6,800.00	\$4,800.00	\$19,200.00	\$3,250.00	\$13,000.00
47	Altitude Valve in Concrete Vault	Each	1	\$6,000.00	\$6,000.00	\$6,800.00	\$6,800.00	\$14,000.00	\$14,000.00	\$8,200.00	\$8,200.00
48	Pressure Control Station	Each	9	\$6,000.00	\$54,000.00	\$8,500.00	\$76,500.00	\$2,750.00	\$24,750.00	\$5,000.00	\$45,000.00
49	New Pump Station # 3	L.S.	1	\$85,000.00	\$85,000.00	\$88,000.00	\$88,000.00	\$79,300.00	\$79,300.00	\$90,000.00	\$90,000.00

Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
25	Air Release Valve	Each	35	\$400.00	\$14,000.00	\$350.00	\$12,250.00	\$200.00	\$7,000.00	\$300.00	\$10,500.00	\$500.00	\$17,500.00
26	4" Flush Hydrant	Each	36	\$1,100.00	\$39,600.00	\$1,100.00	\$39,600.00	\$900.00	\$32,400.00	\$1,275.00	\$45,900.00	\$1,760.00	\$63,360.00
27	6" Flush Hydrant	Each	67	\$1,200.00	\$80,400.00	\$1,250.00	\$83,750.00	\$1,000.00	\$67,000.00	\$1,500.00	\$100,500.00	\$1,960.00	\$131,320.00
28	3/4" Water Service Line	L.F.	25,000	\$2.00	\$50,000.00	\$2.50	\$62,500.00	\$2.00	\$50,000.00	\$1.80	\$45,000.00	\$3.50	\$87,500.00
29	Service Meter (Complete)	Each	67	\$350.00	\$23,450.00	\$300.00	\$20,100.00	\$300.00	\$20,100.00	\$20.00	\$1,360.00	\$475.00	\$31,825.00
30	Service Meter w/PRV	Each	327	\$400.00	\$130,800.00	\$340.00	\$111,180.00	\$360.00	\$117,720.00	\$330.00	\$107,910.00	\$535.00	\$174,945.00
31	Water Service Transfer	Each	95	\$200.00	\$19,000.00	\$150.00	\$14,250.00	\$250.00	\$23,750.00	\$175.00	\$16,625.00	\$431.00	\$40,945.00
32	Selected Granular Backfill	C.Y.	3,801	\$16.00	\$60,816.00	\$17.50	\$66,517.50	\$5.00	\$19,005.00	\$18.00	\$68,418.00	\$18.00	\$68,418.00
33	3" x 3" Pressure Connection	Each	2	\$1,000.00	\$2,000.00	\$750.00	\$1,500.00	\$800.00	\$1,600.00	\$800.00	\$1,600.00	\$1,370.00	\$2,740.00
34	4" x 4" Pressure Connection	Each	5	\$1,000.00	\$5,000.00	\$800.00	\$4,000.00	\$800.00	\$4,000.00	\$800.00	\$4,000.00	\$1,315.00	\$6,575.00
35	6" x 4" Pressure Connection	Each	2	\$1,100.00	\$2,200.00	\$950.00	\$1,900.00	\$800.00	\$1,600.00	\$825.00	\$1,650.00	\$1,680.00	\$3,360.00
36	6" x 6" Pressure Connection	Each	9	\$1,200.00	\$10,800.00	\$1,100.00	\$9,900.00	\$900.00	\$8,100.00	\$975.00	\$8,775.00	\$2,000.00	\$18,000.00
38	8" x 6" Pressure Connection	Each	2	\$1,400.00	\$2,800.00	\$1,400.00	\$2,800.00	\$900.00	\$1,800.00	\$1,600.00	\$3,200.00	\$2,060.00	\$4,120.00
39	Bituminous Pavement Removal & Replacement	S.Y.	150	\$25.00	\$3,750.00	\$20.00	\$3,000.00	\$20.00	\$3,000.00	\$30.00	\$4,500.00	\$35.00	\$5,250.00
40	Stone Riprap	Ton	300	\$20.00	\$6,000.00	\$20.00	\$6,000.00	\$20.00	\$6,000.00	\$15.00	\$4,500.00	\$30.00	\$9,000.00
41	Connection to Existing Water Main 2"	Each	1	\$700.00	\$700.00	\$200.00	\$200.00	\$300.00	\$300.00	\$300.00	\$300.00	\$1,095.00	\$1,095.00
42	Connection to Existing Water Main 3"	Each	1	\$850.00	\$850.00	\$200.00	\$200.00	\$300.00	\$300.00	\$300.00	\$300.00	\$1,095.00	\$1,095.00
43	Connection to Existing Water Main 4"	Each	3	\$950.00	\$2,850.00	\$300.00	\$900.00	\$300.00	\$900.00	\$300.00	\$900.00	\$1,345.00	\$4,035.00
44	Connection to Existing Water Main 6"	Each	7	\$1,100.00	\$7,700.00	\$400.00	\$2,800.00	\$400.00	\$2,800.00	\$350.00	\$2,450.00	\$1,395.00	\$9,765.00
45	Cut and Cap Existing Water Main	Each	10	\$300.00	\$3,000.00	\$200.00	\$2,000.00	\$800.00	\$8,000.00	\$300.00	\$3,000.00	\$1,095.00	\$10,950.00
46	Check Valve in Concrete Vault	Each	4	\$3,000.00	\$12,000.00	\$3,200.00	\$12,800.00	\$1,800.00	\$7,200.00	\$3,500.00	\$14,000.00	\$4,200.00	\$16,800.00
47	Altitude Valve in Concrete Vault	Each	1	\$6,000.00	\$6,000.00	\$9,500.00	\$9,500.00	\$12,000.00	\$12,000.00	\$7,500.00	\$7,500.00	\$7,275.00	\$7,275.00
48	Pressure Control Station	Each	9	\$6,000.00	\$54,000.00	\$5,500.00	\$49,500.00	\$6,000.00	\$54,000.00	\$6,000.00	\$54,000.00	\$6,850.00	\$61,650.00
	New Pump Station # 3	L.S.	1	\$85,000.00	\$85,000.00	\$97,000.00	\$97,000.00	\$98,000.00	\$98,000.00	\$130,400.00	\$130,400.00	\$123,000.00	\$123,000.00

TABULATION OF BIDS

Item No	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
Project: Water Distribution System Expansion, Phase V-B, Contract "A"				Name & Address of Bidders		Stotts Construction		Salmon Plumbing, Inc.		Cleary Construction		James Parson's Const.	
Place: 1960 Dawson Springs Road, Hopkinsville, KY 42241				3615 Burkessville Road Columbia, KY 42728 Phone: (502) 384-2677		149 S. Bardstow Road Mt. Washington, KY 40047 Phone: (502) 538-7676		1860 Edmonon Road Tompkinsville, KY 42167 Phone: (502) 487-1784		7304 W. Laurel Road London, KY 40741 Phone: (606) 864-7523			
Date: June 17, 1999				Estimate									
Hour: 1:30 P.M.													
50	New Pump Station # 5	L.S.	1	\$85,000.00	\$85,000.00	\$88,000.00	\$88,000.00	\$78,210.00	\$78,210.00	\$89,000.00	\$89,000.00	\$110,000.00	\$110,000.00
51	Electrical	L.S.	1	\$45,000.00	\$45,000.00	\$70,000.00	\$70,000.00	\$48,169.00	\$48,169.00	\$58,000.00	\$58,000.00	\$20,000.00	\$20,000.00
52	8" D.I. Water Main	L.F.	110	\$25.00	\$2,750.00	\$14.00	\$1,540.00	\$20.00	\$2,200.00	\$20.00	\$2,200.00	\$12.00	\$1,320.00
53	14" Steel Casing Pipe w/8" D.I. Carrier Pipe	L.F.	300	\$100.00	\$30,000.00	\$80.00	\$24,000.00	\$160.00	\$48,000.00	\$150.00	\$45,000.00	\$180.00	\$54,000.00
54	6" Water Main, Directional Bore	L.F.	180	\$50.00	\$9,000.00	\$40.00	\$7,200.00	\$70.00	\$12,600.00	\$40.00	\$7,200.00	\$120.00	\$21,600.00
				SUB-TOTAL BASE BID		\$2,769,122.65		\$2,266,549.60		\$2,472,528.92		\$2,566,343.65	
				AS CORRECTED									

TABULATION OF BIDS

J. T. Blankinship & Associates
 Consulting Engineers
 401 South 17th Street
 Murphysboro, Illinois 62966

Sheet 5
 Job No. 7445B

Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
ADD ALTERNATE "B"													
1	4" PVC Water Main (SDR-21, CL 200)	L.F.	16,425	\$2.75	\$45,168.75	\$2.10	\$34,492.50	\$1.80	\$29,565.00	\$2.60	\$42,705.00	\$2.50	\$41,062.50
13	10" Steel Casing Pipe w/4" PVC Carrier Pipe (Bore/Push)	L.F.	40	\$65.00	\$2,600.00	\$50.00	\$2,000.00	\$45.00	\$1,800.00	\$48.00	\$1,920.00	\$60.00	\$2,400.00
16	4" PVC Water Main Pushed Under Roadway	L.F.	144	\$25.00	\$3,600.00	\$15.00	\$2,160.00	\$22.00	\$3,168.00	\$18.00	\$2,592.00	\$10.00	\$1,440.00
20	4" Gate Valve	Each	7	\$350.00	\$2,450.00	\$350.00	\$2,450.00	\$350.00	\$2,450.00	\$290.00	\$2,030.00	\$275.00	\$1,925.00
25	Air Release Valve	Each	1	\$400.00	\$400.00	\$250.00	\$250.00	\$300.00	\$300.00	\$280.00	\$280.00	\$400.00	\$400.00
26	4" Flush Hydrant	Each	5	\$1,100.00	\$5,500.00	\$1,200.00	\$6,000.00	\$1,200.00	\$6,000.00	\$1,200.00	\$6,000.00	\$1,200.00	\$6,000.00
30	3/4" Water Service Line	L.F.	1,000	\$2.00	\$2,000.00	\$2.00	\$2,000.00	\$2.00	\$2,000.00	\$1.80	\$1,800.00	\$1.30	\$1,300.00
32	Service Meter w/PRV	Each	20	\$400.00	\$8,000.00	\$300.00	\$6,000.00	\$325.00	\$6,500.00	\$310.00	\$6,200.00	\$350.00	\$7,000.00
37	Selected Granular Backfill	C.Y.	78	\$16.00	\$1,248.00	\$15.00	\$1,170.00	\$18.00	\$1,404.00	\$18.00	\$1,404.00	\$5.00	\$390.00
43	8" x 4" Pressure Connection	Each	1	\$1,350.00	\$1,350.00	\$900.00	\$900.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,400.00	\$1,400.00
	Connection to Existing Water Main 4"	Each	1	\$950.00	\$950.00	\$400.00	\$400.00	\$500.00	\$500.00	\$375.00	\$375.00	\$500.00	\$500.00
SUB-TOTAL, ADD ALTERNATE "B"					\$73,266.75		\$57,822.50		\$54,887.00		\$66,307.00		\$66,306.00
AS CORRECTED													\$63,817.50

Project: Water Distribution System Expansion, Phase V-B, Contract "A"
 Christian County Water District
 Place: 1960 Dawson Springs Road, Hopkinsville, KY 42241
 Date: June 17, 1999
 Hour: 1:30 P.M.

Name & Address of Bidders

Stotts Construction
 3615 Burkesville Road
 Columbia, KY 42728
 Phone: (502) 384-2677

Salmon Plumbing, Inc.
 149 S. Bardstown Road
 Mt Washington, KY 40047
 Phone: (502) 538-7676

Cleary Construction
 1860 Edmonton Road
 Tompkinsville, KY 42167
 Phone: (502) 487-1784

James Parson's Const.
 7304 W. Laurel Road
 London, KY 40741
 Phone: (606) 864-7523

Engineer's Estimate

Total

Unit Price

Total

Unit Price

Total

Unit Price

Total

Unit Price

Total

Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
ADD ALTERNATE "B"													
1	4" PVC Water Main (SDR-21, CL 200)	L.F.	16,425	\$2.75	\$45,168.75	\$2.35	\$38,598.75	\$3.00	\$49,275.00	\$2.86	\$46,975.50	\$2.30	\$37,777.50
13	10" Steel Casing Pipe w/4" PVC Carrier Pipe (Bore/Push)	L.F.	40	\$65.00	\$2,600.00	\$60.00	\$2,400.00	\$45.00	\$1,800.00	\$60.00	\$2,400.00	\$60.00	\$2,400.00
16	4" PVC Water Main Pushed Under Roadway	L.F.	144	\$25.00	\$3,600.00	\$20.00	\$2,880.00	\$15.00	\$2,160.00	\$25.00	\$3,600.00	\$30.00	\$4,320.00
20	4" Gate Valve	Each	7	\$350.00	\$2,450.00	\$290.00	\$2,030.00	\$300.00	\$2,100.00	\$300.00	\$2,100.00	\$512.00	\$3,584.00
25	Air Release Valve	Each	1	\$400.00	\$400.00	\$350.00	\$350.00	\$200.00	\$200.00	\$300.00	\$300.00	\$500.00	\$500.00
26	4" Flush Hydrant	Each	5	\$1,100.00	\$5,500.00	\$1,100.00	\$5,500.00	\$900.00	\$4,500.00	\$1,275.00	\$6,375.00	\$1,760.00	\$8,800.00
30	3/4" Water Service Line	L.F.	1,000	\$2.00	\$2,000.00	\$2.50	\$2,500.00	\$2.00	\$2,000.00	\$1.80	\$1,800.00	\$3.50	\$3,500.00
32	Service Meter w/PRV	Each	20	\$400.00	\$8,000.00	\$340.00	\$6,800.00	\$360.00	\$7,200.00	\$330.00	\$6,600.00	\$535.00	\$10,700.00
37	Selected Granular Backfill	C.Y.	78	\$16.00	\$1,248.00	\$17.50	\$1,365.00	\$5.00	\$390.00	\$18.00	\$1,404.00	\$18.00	\$1,404.00
43	8" x 4" Pressure Connection	Each	1	\$1,350.00	\$1,350.00	\$1,400.00	\$1,400.00	\$900.00	\$900.00	\$1,500.00	\$1,500.00	\$2,350.00	\$2,350.00
	Connection to Existing Water Main 4"	Each	1	\$950.00	\$950.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$1,345.00	\$1,345.00
SUB-TOTAL, ADD ALTERNATE "B"					\$73,286.75		\$64,123.75		\$70,825.00		\$73,354.50		\$75,281.83
AS CORRECTED													\$76,680.50

Project: Water Distribution System Expansion, Phase V-B, Contract "A"
 Christian County Water District
 1960 Dawson Springs Road, Hopkinsville, KY 42241
 Date: June 17, 1999
 Hour: 1:30 P.M.

Name & Address of Bidders: Gregory Piping Company
 3300 Coleman Road Paducah, KY 42001
 Phone: (270) 443-4122

Name & Address of Bidders: Laurel Construction
 5209 Somerset Road London, KY 40741
 Phone: (606) 878-8812

Name & Address of Bidders: Bobby Luttrell & Sons
 5276 Cedar Grove Road Olaton, KY 42361
 Phone: (502) 298-7661

Name & Address of Bidders: Kelly & Wilmore Co., Inc.
 2701 Green River Drive Owensboro, KY 42302
 Phone: (502) 683-6995

Item No.	Items	Unit	Quantity	Unit Price	Total	Slot's Construction	Salmon Plumbing, Inc.	Cleary Construction	James Parson's Const.
1	4" PVC Water Main (SDR-21, CI 200)	L.F.	25,016	\$2.75	\$68,794.00	3615 Burkesville Road Columbia, KY 42728 Phone: (502) 384-2677	149 S. Bardstown Road Mt. Washington, KY 40047 Phone: (502) 538-7676	1860 Edmonton Road Tompkinsville, KY 42167 Phone: (502) 487-1784	7304 W. Laurel Road London, KY 40741 Phone: (606) 864-7523
16	4" PVC Water Main Pushed Under Roadway	L.F.	14	\$25.00	\$350.00				
20	4" Gate Valve	Each	7	\$350.00	\$2,450.00				
25	Air Release Valve	Each	2	\$400.00	\$800.00				
26	4" Flush Hydrant	Each	6	\$1,100.00	\$6,600.00				
28	3/4" Water Service Line	L.F.	600	\$2.00	\$1,200.00				
30	Service Meter w/PRV	Each	13	\$400.00	\$5,200.00				
32	Selected Granular Backfill	C.Y.	135	\$16.00	\$2,160.00				
35	6" x 4" Pressure Connection	Each	1	\$1,100.00	\$1,100.00				
SUB-TOTAL, ADD ALTERNATE "C"					\$88,654.00				
AS CORRECTED					\$70,768.60				
					\$64,441.80				
					\$83,448.60				
					\$79,460.00				

TABULATION OF BIDS

Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
U. T. Blankinship & Associates Consulting Engineers 401 South 17th Street Murphysboro, Illinois 62966															
Project: Water Distribution System Expansion, Phase V-B, Contract "A" Christian County Water District															
Place: 1960 Dawson Springs Road, Hopkinsville, KY 42241															
Date: June 17, 1999															
Hour: 1:30 P.M.															
Name & Address of Bidders															
Engineers Estimate															
Slotts Construction 3615 Burkesville Road Columbia, KY 42278 Phone: (502) 384-2677															
Salmon Plumbing, Inc. 149 S. Bardstown Road Mt. Washington, KY 40047 Phone: (502) 538-7676															
Cleary Construction 1860 Edmonton Road Tompkinsville, KY 42167 Phone: (502) 487-1784															
James Parson's Const. 7304 W. Laurel Road London, KY 40741 Phone: (606) 864-7523															
ADD ALTERNATE "D"															
1	4" PVC Water Main (SDR-21, CL 200)	L.F.	10,420	\$2.75	\$28,655.00	\$2.10	\$21,882.00	\$1.80	\$18,756.00	\$2.60	\$27,092.00	\$2.50	\$26,050.00		
13	10" Steel Casing Pipe w/4" PVC Carrier Pipe (Bore/Push)	L.F.	50	\$65.00	\$3,250.00	\$50.00	\$2,500.00	\$45.00	\$2,250.00	\$48.00	\$2,400.00	\$60.00	\$3,000.00		
20	4" Gate Valve	Each	3	\$350.00	\$1,050.00	\$350.00	\$1,050.00	\$350.00	\$1,050.00	\$290.00	\$870.00	\$275.00	\$825.00		
25	Air Release Valve	Each	2	\$400.00	\$800.00	\$250.00	\$500.00	\$300.00	\$600.00	\$280.00	\$560.00	\$400.00	\$800.00		
26	4" Flush Hydrant	Each	3	\$1,100.00	\$3,300.00	\$1,200.00	\$3,600.00	\$1,200.00	\$3,600.00	\$1,200.00	\$3,600.00	\$1,200.00	\$3,600.00		
28	3/4" Water Service Line	L.F.	250	\$2.00	\$500.00	\$2.00	\$500.00	\$2.00	\$500.00	\$1.80	\$450.00	\$1.30	\$325.00		
80	Service Meter w/PRV	Each	7	\$400.00	\$2,800.00	\$300.00	\$2,100.00	\$325.00	\$2,275.00	\$310.00	\$2,170.00	\$350.00	\$2,450.00		
32	Selected Granular Backfill	C.Y.	93	\$16.00	\$1,488.00	\$15.00	\$1,395.00	\$18.00	\$1,674.00	\$18.00	\$1,674.00	\$5.00	\$465.00		
				SUB-TOTAL, ADD ALTERNATE "D"		\$41,843.00		\$33,527.00		\$30,705.00		\$38,816.00		\$37,515.00	
				AS CORRECTED											

Project: Water Distribution System Expansion, Phase V-B, Contract "A"
 Place: 1960 Dawson Springs Road, Hopkinsville, KY 42241
 Date: June 17, 1999
 Hour: 1:30 P.M.

Item No.	Items	Unit	Quantity	Unit Price	Total	Name & Address of Bidders	Estimate
ADD ALTERNATE "D"							
1	4" PVC Water Main (SDR-21, CL 200)	L.F.	10,420	\$2.75	\$28,655.00	Gregory Piping Company 3300 Coleman Road Paducah, KY 42001 Phone: (270) 443-4122	\$2.35 \$24,487.00
13	10" Steel Casing Pipe w/4" PVC Carrier Pipe (Bore/Push)	L.F.	50	\$65.00	\$3,250.00	Laurel Construction 5209 Somerset Road London, KY 40741 Phone: (606) 878-8812	\$3.00 \$31,260.00
20	4" Gate Valve	Each	3	\$350.00	\$1,050.00	Bobby Luttrell & Sons 5276 Cedar Grove Road Olaton, KY 42361 Phone: (502) 298-7861	\$2.86 \$29,801.20
25	4" Air Release Valve	Each	2	\$400.00	\$800.00	Kelly & Wilmore Co., Inc. 2701 Green River Drive Owensboro, KY 42302 Phone: (502) 683-6995	\$2.30 \$23,966.00
26	4" Flush Hydrant	Each	3	\$1,100.00	\$3,300.00		\$60.00 \$3,000.00
28	3/4" Water Service Line	L.F.	250	\$2.00	\$500.00		\$512.00 \$1,536.00
30	Service Meter w/PRV	Each	7	\$400.00	\$2,800.00		\$500.00 \$5,280.00
32	Selected Granular Backfill	C.Y.	93	\$16.00	\$1,488.00		\$1,760.00 \$5,280.00
SUB-TOTAL, ADD ALTERNATE "D"					\$41,843.00		
AS CORRECTED					\$36,989.50		
					\$40,995.00		
					\$42,560.20		
					\$41,043.64		
					\$41,076.00		

Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
ADD ALTERNATE "E"													
1	4" PVC Water Main (SDR-21, CL 200)	L.F.	22,511	\$2.75	\$61,905.25	\$2.10	\$47,273.10	\$1.80	\$40,519.80	\$2.60	\$58,528.60	\$2.50	\$56,277.50
13	10" Steel Casing Pipe w/4" PVC Carrier Pipe (Bore/Push)	L.F.	50	\$65.00	\$3,250.00	\$50.00	\$2,500.00	\$45.00	\$2,250.00	\$48.00	\$2,400.00	\$60.00	\$3,000.00
16	4" PVC Water Main Pushed Under Roadway	L.F.	171	\$25.00	\$4,275.00	\$15.00	\$2,565.00	\$22.00	\$3,762.00	\$18.00	\$3,078.00	\$10.00	\$1,710.00
20	4" Gate Valve	Each	8	\$350.00	\$2,800.00	\$350.00	\$2,800.00	\$350.00	\$2,800.00	\$290.00	\$2,320.00	\$275.00	\$2,200.00
26	4" Flush Hydrant	Each	6	\$1,100.00	\$6,600.00	\$1,200.00	\$7,200.00	\$1,200.00	\$7,200.00	\$1,200.00	\$7,200.00	\$1,200.00	\$7,200.00
28	3/4" Water Service Line	L.F.	650	\$2.00	\$1,300.00	\$2.00	\$1,300.00	\$2.00	\$1,300.00	\$1.80	\$1,170.00	\$1.30	\$845.00
30	Service Meter w/PRV	Each	17	\$400.00	\$6,800.00	\$300.00	\$5,100.00	\$325.00	\$5,525.00	\$310.00	\$5,270.00	\$350.00	\$5,950.00
32	Selected Granular Backfill	C.Y.	85	\$16.00	\$1,360.00	\$15.00	\$1,275.00	\$18.00	\$1,530.00	\$18.00	\$1,530.00	\$5.00	\$425.00
35	6" x 4" Pressure Connection	Each	1	\$1,100.00	\$1,100.00	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$825.00	\$825.00	\$650.00	\$650.00
43	Connection to Existing Water Main 4"	Each	1	\$950.00	\$950.00	\$400.00	\$400.00	\$500.00	\$500.00	\$375.00	\$375.00	\$500.00	\$500.00
46	Check Valve in Concrete Vault	Each	1	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$4,800.00	\$4,800.00	\$3,250.00	\$3,250.00	\$3,200.00	\$3,200.00
SUB-TOTAL, ADD ALTERNATE "E"					\$93,340.25		\$74,663.10		\$74,186.80		\$85,946.60		\$82,157.50
AS CORRECTED													

Project: Water Distribution System Expansion, Phase V-B, Contract "A"
 Christian County Water District
 Place: 1960 Dawson Springs Road, Hopkinsville, KY 42241
 Date: June 17, 1999
 Hour: 1:30 P.M.

Name & Address of Bidders
 of Bidders
 Engineer's Estimate

Statts Construction
 3615 Burkesville Road
 Columbia, KY 42728
 Phone: (502) 384-2677

Salmon Plumbing, Inc.
 149 S. Bardstown Road
 Mt. Washington, KY 40047
 Phone: (502) 538-7676

Cleary Construction
 1860 Edmonton Road
 Tompkinsville, KY 42167
 Phone: (502) 487-1784

James Parson's Const.
 7304 W. Laurel Road
 London, KY 40741
 Phone: (606) 864-7523

Item No.	Items	Unit	Quantity	Unit Price	Total	Gregory Piping Company 3300 Coleman Road Paducah, KY 42001 Phone: (270) 443-4122	Laurel Construction 5209 Somerset Road London, KY 40741 Phone: (606) 878-8812	Bobby Luttrell & Sons 5276 Cedar Grove Road Olaton, KY 42361 Phone: (502) 298-7861	Kelly & Wilmore Co., Inc. 2701 Green River Drive Owensboro, KY 42302 Phone: (502) 683-6995
ADD ALTERNATE "F"									
3	6" PVC Water Main (SDR-21, CL 200)	L.F.	10,655	\$4.00	\$42,620.00	\$4.00	\$42,620.00	\$4.30	\$45,816.50
10	6" River Crossing Pipe	L.F.	72	\$50.00	\$3,600.00	\$68.00	\$4,896.00	\$45.00	\$3,240.00
14	10" Steel Casing Pipe w/6" PVC Carrier Pipe (Bore/Push)	L.F.	40	\$75.00	\$3,000.00	\$85.00	\$2,600.00	\$50.00	\$2,000.00
17	6" PVC Water Main Pushed Under Roadway	L.F.	20	\$30.00	\$600.00	\$25.00	\$500.00	\$20.00	\$400.00
21	6" Gate Valve	Each	3	\$400.00	\$1,200.00	\$360.00	\$1,080.00	\$350.00	\$1,050.00
24	Gate Valve in Concrete Vault	Each	1	\$1,000.00	\$1,000.00	\$1,900.00	\$1,900.00	\$1,200.00	\$1,200.00
25	Air Release Valve	Each	1	\$400.00	\$400.00	\$350.00	\$350.00	\$200.00	\$200.00
27	6" Flush Hydrant	Each	2	\$1,200.00	\$2,400.00	\$1,250.00	\$2,500.00	\$1,000.00	\$2,000.00
28	3/4" Water Service Line	L.F.	500	\$2.00	\$1,000.00	\$2.50	\$1,250.00	\$2.00	\$1,000.00
30	Service Meter w/PRV	Each	8	\$400.00	\$3,200.00	\$340.00	\$2,720.00	\$360.00	\$2,880.00
32	Selected Granular Backfill	C.Y.	81	\$16.00	\$1,296.00	\$17.50	\$1,417.50	\$5.00	\$405.00
36	6" x 6" Pressure Connection	Each	1	\$1,200.00	\$1,200.00	\$1,100.00	\$1,100.00	\$900.00	\$900.00
46	Check Valve in Concrete Vault	Each	1	\$3,000.00	\$3,000.00	\$3,200.00	\$3,200.00	\$1,800.00	\$1,800.00
SUB-TOTAL, ADD ALTERNATE "F"					\$64,516.00		\$66,133.50		\$62,892.00
AS CORRECTED									\$62,891.50
									\$69,781.50
									\$68,879.96
									\$68,871.50

J. T. Blankinship & Associates

TABULATION OF BIDS

Sheet 10

Consulting Engineers

Job No. 7445B

401 South 17th Street

Murphysboro, Illinois 62966

Project: Water Distribution System Expansion, Phase V-B, Contract "A"

Place: Christian County Water District

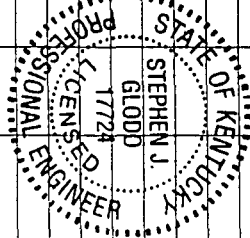
Date: June 17, 1999

Hour: 1:30 P.M.

Item No	Items	Unit	Quantity	Name & Address of Bidders		Total	Stotts Construction		Salmon Plumbing, Inc.		Cleary Construction		James Parson's Const.	
				Unit Price	Total		Unit Price	Total	Unit Price	Total	Unit Price	Total		
	SUB-TOTAL, BASE BID			\$2,769,122.65		\$2,266,549.60		\$2,472,528.92		\$2,566,343.65		\$2,588,902.00		\$2,588,902.00
	SUB-TOTAL, ALTERNATE "A"			\$87,702.00		\$68,544.15		\$80,930.10		\$79,190.80		\$75,830.50		\$75,830.50
	SUB-TOTAL, ALTERNATE "B"			\$73,266.75		\$57,822.50		\$54,687.00		\$56,306.00		\$63,817.50		\$63,817.50
	SUB-TOTAL, ALTERNATE "C"			\$88,654.00		\$70,768.60		\$64,441.80		\$83,448.60		\$79,460.00		\$79,460.00
	SUB-TOTAL, ALTERNATE "D"			\$41,843.00		\$33,527.00		\$30,705.00		\$38,816.00		\$37,515.00		\$37,515.00
	SUB-TOTAL, ALTERNATE "E"			\$93,340.25		\$74,663.10		\$71,186.80		\$85,946.60		\$82,157.50		\$82,157.50
	SUB-TOTAL, ALTERNATE "F"			\$64,516.00		\$54,992.75		\$62,966.14		\$61,321.00		\$58,342.50		\$58,342.50
	TOTAL BID			\$3,218,444.65		\$2,626,867.70		\$2,840,475.66		\$2,981,373.60		\$2,985,493.00		\$2,985,493.00
	AS CORRECTED					\$2,837,445.76		\$2,981,372.65		\$2,986,025.00		\$2,986,025.00		\$2,986,025.00

TABULATION OF BIDS

Item No.	Items	Unit	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
	SUB-TOTAL, BASE BID				\$2,769,122.65		\$2,664,415.50		\$2,772,448.50		\$2,856,309.58		\$2,970,757.50
	SUB-TOTAL, ALTERNATE "A"				\$87,702.00		\$86,517.00		\$88,542.90		\$81,857.10		\$82,475.90
	SUB-TOTAL, ALTERNATE "B"				\$73,266.75		\$64,123.75		\$70,825.00		\$73,354.50		\$76,680.50
	SUB-TOTAL, ALTERNATE "C"				\$88,654.00		\$78,580.10		\$90,513.00		\$90,870.76		\$86,265.80
	SUB-TOTAL, ALTERNATE "D"				\$41,843.00		\$36,989.50		\$40,995.00		\$42,560.20		\$41,076.00
	SUB-TOTAL, ALTERNATE "E"				\$93,340.25		\$81,583.35		\$90,893.00		\$94,641.46		\$94,686.30
	SUB-TOTAL, ALTERNATE "F"				\$64,516.00		\$66,133.50		\$62,891.50		\$69,781.50		\$68,871.50
	TOTAL BID				\$3,218,444.65		\$3,078,342.70		\$3,216,608.00		\$3,309,411.10		\$3,419,084.48
	AS CORRECTED								\$3,217,108.90		\$3,309,375.10		\$3,420,813.50



WE, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE FOREGOING TABULATION OF BIDS RECEIVED JUNE 17, 1999 FOR THE CHRISTIAN COUNTY WATER DISTRICT, WATER DISTRIBUTION SYSTEM EXPANSION, PHASE V-B, IS A TRUE AND CORRECT TABULATION OF BIDS AS TAKEN FROM THE ORIGINAL BIDS RECEIVED

Stephen J. Glodd
 J. T. BLANKINSHIP & ASSOCIATES

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the matter of:

APPLICATION OF CHRISTIAN COUNTY)
WATER DISTRICT FOR A CERTIFICATE)
OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT AND)
FINANCE AN IMPROVEMENTS PROJECT)

Case No. 99-317

RECEIVED
JUL 27 1999
PUBLIC SERVICE COMMISSION

**MOTION TO REQUEST DEVIATION FROM
90-DAY FINANCIAL EXHIBIT REQUIREMENT (807 KAR 5:001(6))**

Christian County Water District (CCWD), by counsel, moves the Commission to enter an Order in Case No. _____ regarding the application of CCWD for a Certificate of Public Convenience and Necessity to Construct and Finance an Improvements Project, granting CCWD a deviation from the requirement of filing the 90-day financial exhibit required by 807 KAR 5:001(6).

The reasons supporting this Motion are as follows:

1. CCWD does not contemplate and has not requested approval of any rate increase in connection with this Project or the proposed financing thereof.
2. CCWD has prepared a proposed statement of budget for the years 1999 through 2000 (a copy of which is attached hereto), and has determined that based upon future growth of CCWD's customer base, the increase in revenue will more than offset the additional debt service relating to the proposed revenue bonds.
3. Compliance with 807 KAR 5:001 (6) would unduly burden CCWD both from a financial standpoint and by causing a substantial delay in starting construction of the Project.

For the reasons stated above, CCWD hereby moves the Commission to enter its Order granting CCWD a deviation from the requirement of filing the 90-day financial exhibit required by 807 KAR 5:001(6).

CHRISTIAN COUNTY WATER DISTRICT

By William A. Felt
Chairman

RUBIN & HAYS

By W. Randall Jones
W. Randall Jones
First Trust Centre
200 S. Fifth Street
Louisville, Kentucky 40202
(502) 569-7525

COMMONWEALTH OF KENTUCKY)
) SS
COUNTY OF CHRISTIAN)

The undersigned, William Lile, being duly sworn, deposes and states that he is the Chairman of the Christian County Water District, Movant, in the above Motion; that he has read the foregoing Motion 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 July 22, 1999.

William A Lile

William Lile, Chairman
Christian County Water District

Subscribed and sworn to before me by William Lile, Chairman of the Christian County Water District, on this July 22, 1999.

My Commission expires Oct. 27, 2001.

James Owen (James Owen)

Notary Public
In and for said County and State

Christian County, Kentucky

USDA-FmHA
Form FmHA 442-2
(Rev. 9-89)

STATEMENT OF BUDGET, INCOME AND EQUITY

Schedule 1

Name CHRISTIAN COUNTY WATER DISTRICT	Address P.O. BOX 7, HOPKINSVILLE, KY 42217-0007
--	---

(1)	PRIOR YEAR <u>Actual</u>	ANNUAL BUDGET		For the _____ Months Ended _____ CURRENT YEAR		
		BEG. 1999 END. 2000	Actual Data		Actual YTD (Over) Under Budget Col. 3 - 5 = 6	
			Current Quarter	Year To Date		
(2)	(3)	(4)	(5)	(6)		
OPERATING INCOME						
1. WATER SALES		1,565,000				
2. PENALTIES		27,000				
3. RECONNECTIONS		2,500				
4. TAPS		36,000				
5. Miscellaneous RETURNED CHECKS		4,000				
6. Less: Allowances and Deductions						
7. Total Operating Income (Add lines 1 through 6)		1,638,500				
OPERATING EXPENSES						
8. UTILITIES		37,000				
9. WATER PURCHASED		500,000				
10. REPAIRS		70,000				
11. OFFICE EXPENSES		35,000				
12. SALARIES/FRINGE		250,000				
13. INSURANCE		36,000				
14. MISCELLANEOUS		200,000				
15. Interest (FmHA)		300,000				
16. Depreciation		225,000				
17. Total Operating Expense (Add Lines 8 through 16)		1,653,000				
18. NET OPERATING INCOME (LOSS) (Line 7 less 17)		(14,500)				
NONOPERATING INCOME						
19. INTEREST		25,000				
20. _____						
21. Total Nonoperating Income (Add 19 and 20)		25,000				
22. NET INCOME (LOSS) (Add Lines 18 and 21)		10,500				
23. Equity Beginning of Period						
24. _____						
25. _____						
26. Equity End of Period (Add lines 22 through 25)						

Budget and Annual Report Approved by Governing Body

Quarterly Reports Certified Correct

Secretary

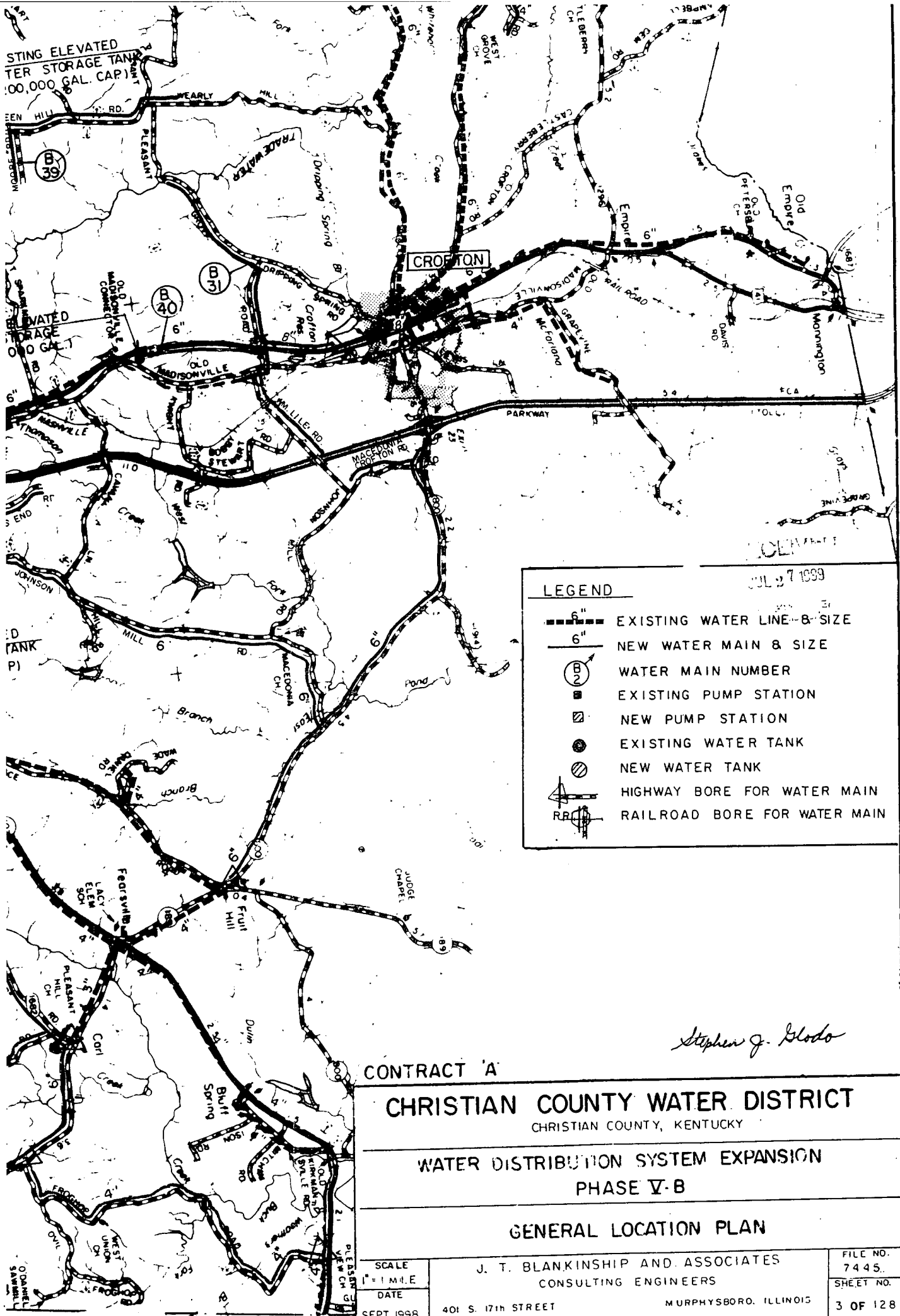
Date

Appropriate Official

Date

Public reporting burden for this collection of information is estimated to average 2 1/2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB No. 0575-0015), Washington, D.C. 20503.

STING ELEVATED
 TER STORAGE TANK
 100,000 GAL. CAP)



JUL 27 1999

LEGEND

- EXISTING WATER LINE-6" SIZE
- NEW WATER MAIN 6" SIZE
- WATER MAIN NUMBER
- EXISTING PUMP STATION
- NEW PUMP STATION
- EXISTING WATER TANK
- NEW WATER TANK
- HIGHWAY BORE FOR WATER MAIN
- RAILROAD BORE FOR WATER MAIN

Stephen J. Glodo

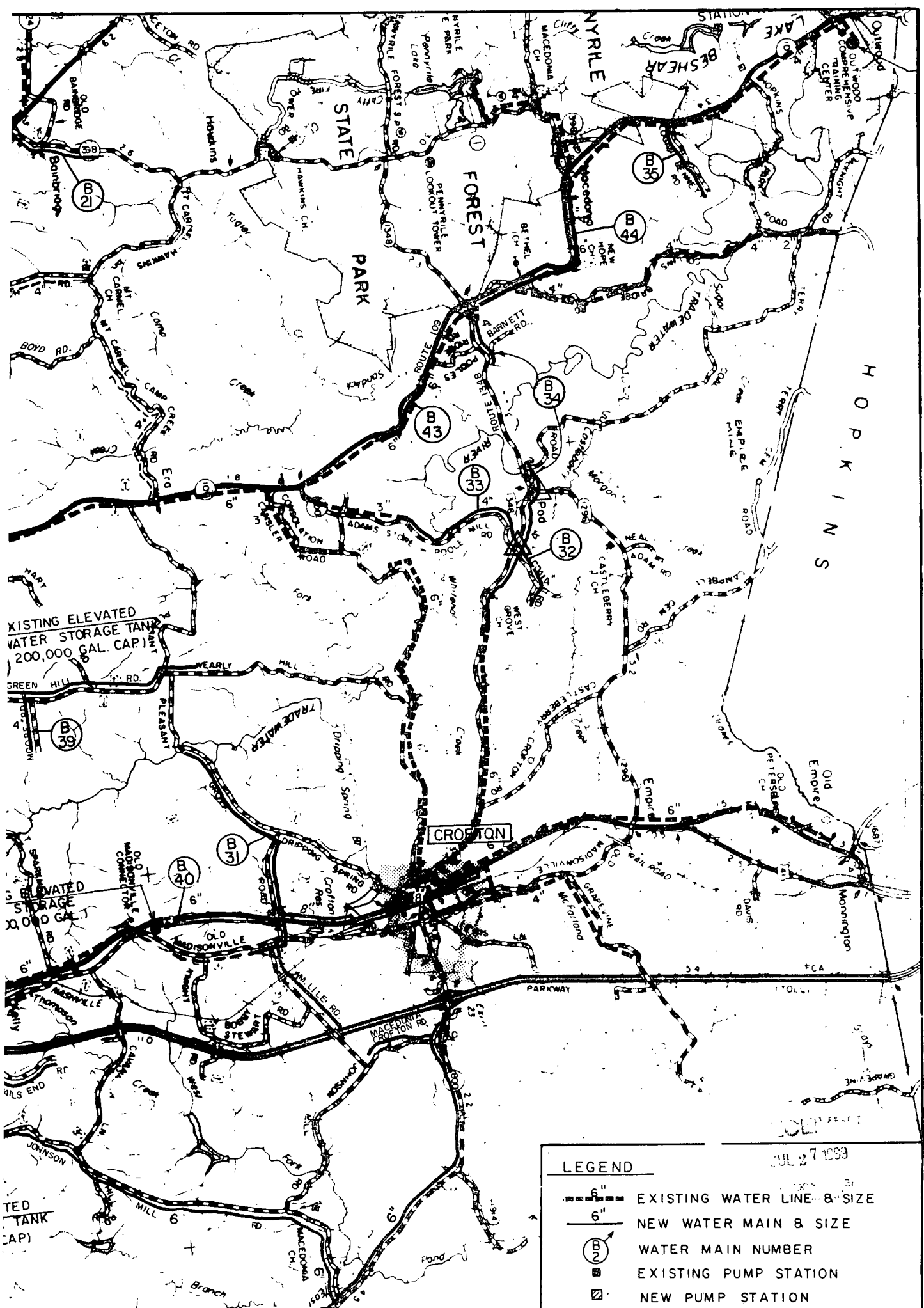
CONTRACT 'A'

CHRISTIAN COUNTY WATER DISTRICT
 CHRISTIAN COUNTY, KENTUCKY

WATER DISTRIBUTION SYSTEM EXPANSION
PHASE V-B

GENERAL LOCATION PLAN

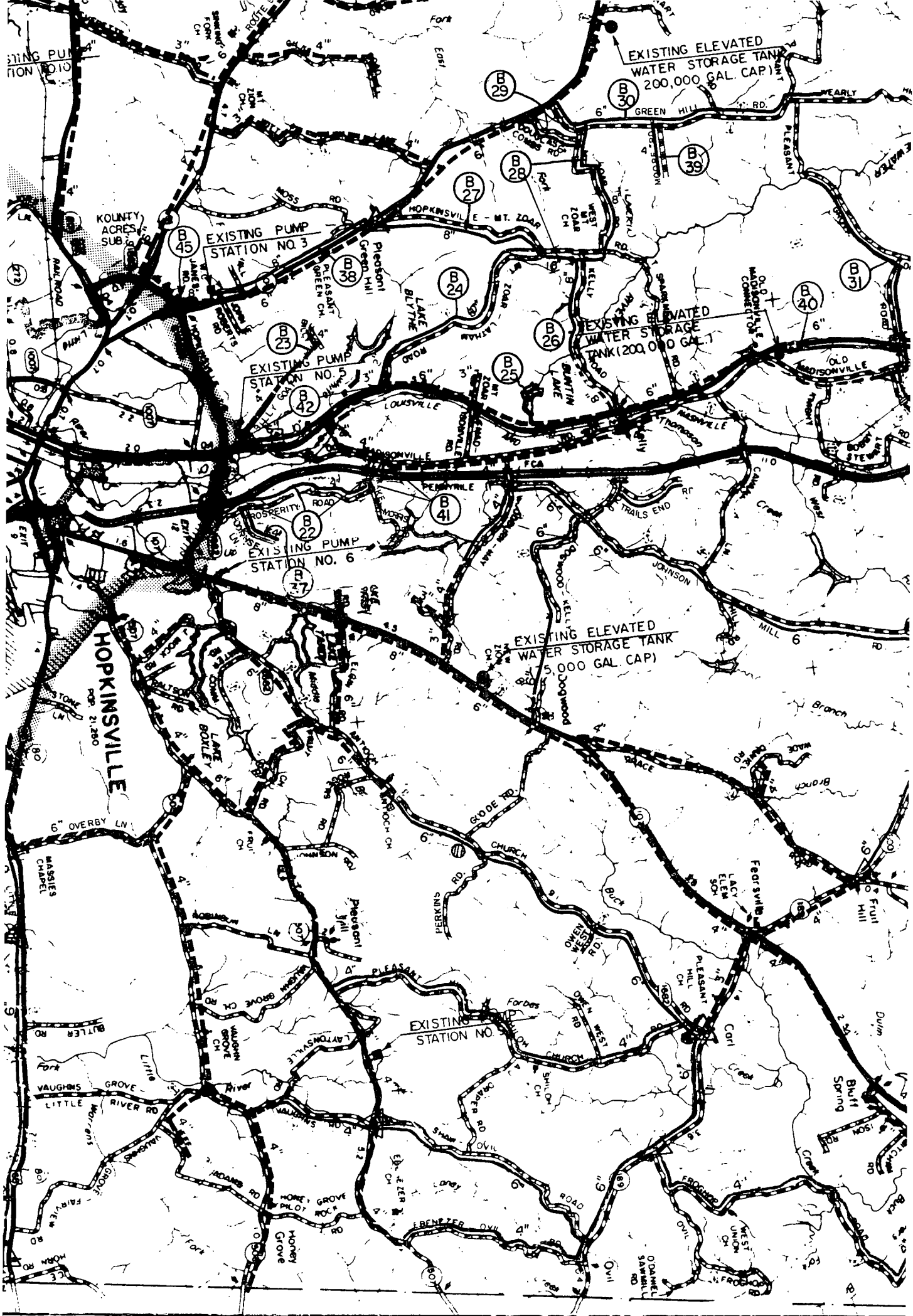
SCALE 1" = 1 MILE DATE SEPT. 1998	J. T. BLANKINSHIP AND ASSOCIATES CONSULTING ENGINEERS 401 S. 17th STREET MURPHYSBORO, ILLINOIS	FILE NO. 7445.
		SHEET NO. 3 OF 128



JUL 27 1989

LEGEND

- 6" EXISTING WATER LINE & SIZE
- 6" NEW WATER MAIN & SIZE
- WATER MAIN NUMBER
- EXISTING PUMP STATION
- NEW PUMP STATION



EXISTING PUMP STATION NO. 10

EXISTING ELEVATED WATER STORAGE TANK (200,000 GAL. CAP.)

EXISTING PUMP STATION NO. 3

EXISTING ELEVATED WATER STORAGE TANK (200,000 GAL.)

EXISTING PUMP STATION NO. 5

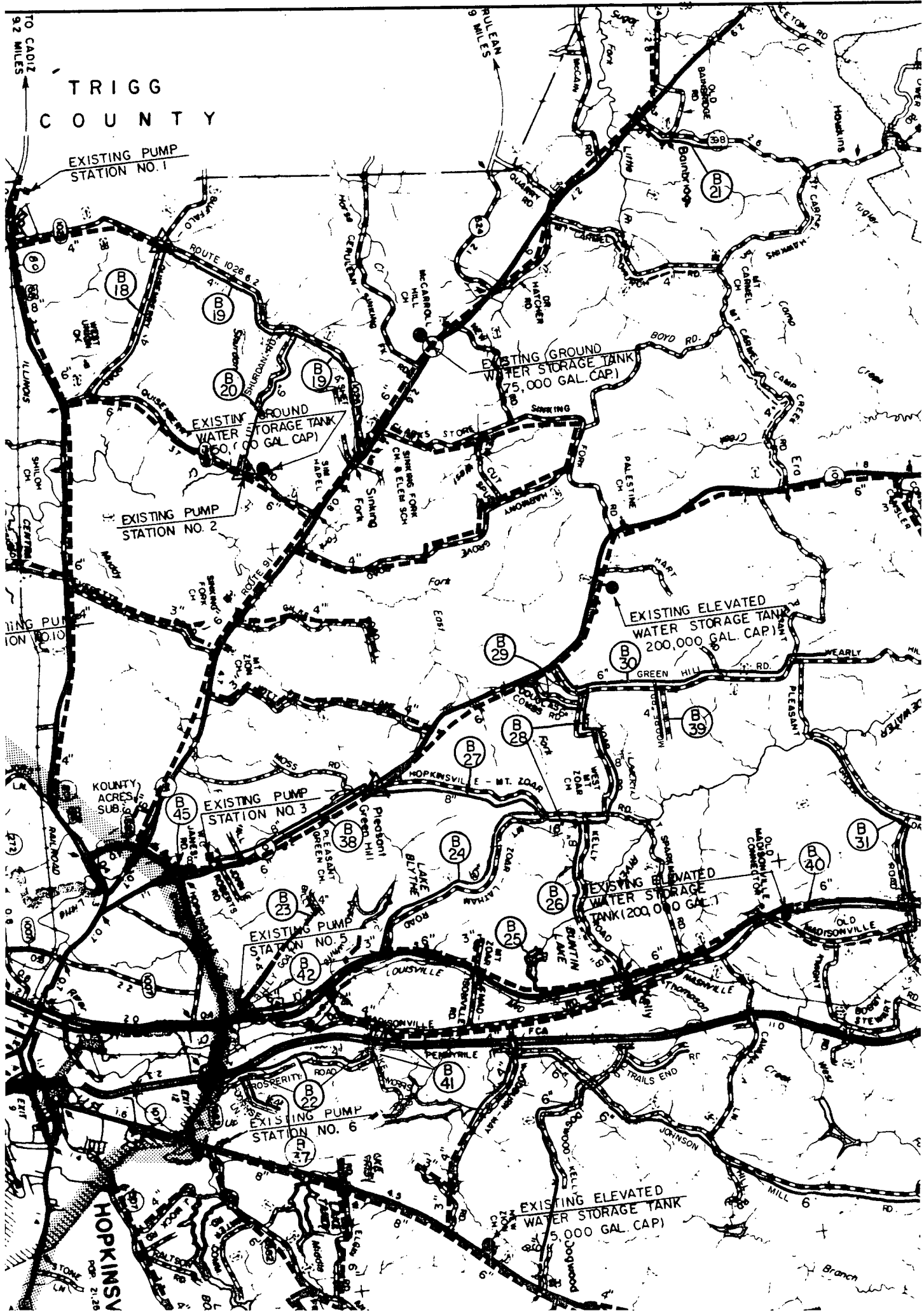
EXISTING PUMP STATION NO. 6

EXISTING ELEVATED WATER STORAGE TANK (75,000 GAL. CAP.)

HOPKINSVILLE
POP. 21,280

EXISTING PUMP STATION NO. 7





TRIGG
COUNTY

EXISTING PUMP
STATION NO. 1

(B 18)

(B 19)

(B 20)

EXISTING PUMP
STATION NO. 2

EXISTING GROUND
WATER STORAGE TANK
(250,000 GAL. CAP.)

EXISTING GROUND
WATER STORAGE TANK
(75,000 GAL. CAP.)

EXISTING ELEVATED
WATER STORAGE TANK
(200,000 GAL. CAP.)

EXISTING PUMP
STATION NO. 3

EXISTING PUMP
STATION NO. 5

EXISTING PUMP
STATION NO. 6

EXISTING ELEVATED
WATER STORAGE
TANK (200,000 GAL.)

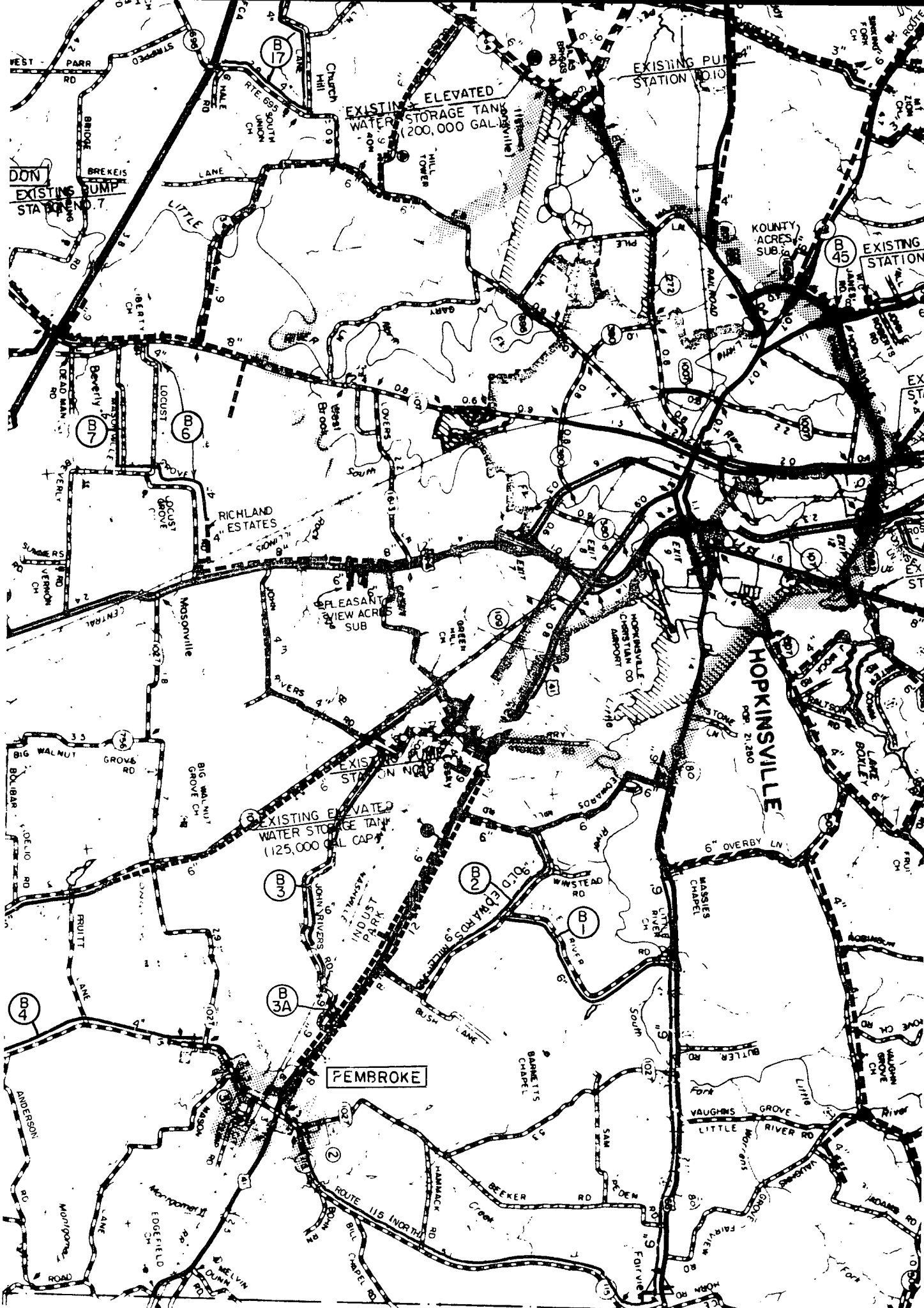
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WATER STORAGE TANK
(75,000 GAL. CAP.)

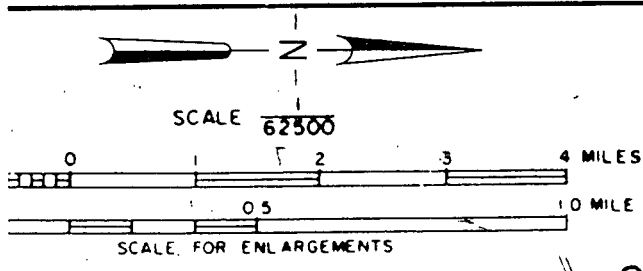
TO CADIZ
9.2 MILES

9 MILES
MULEAN

HOPKINSV
POP. 2,220

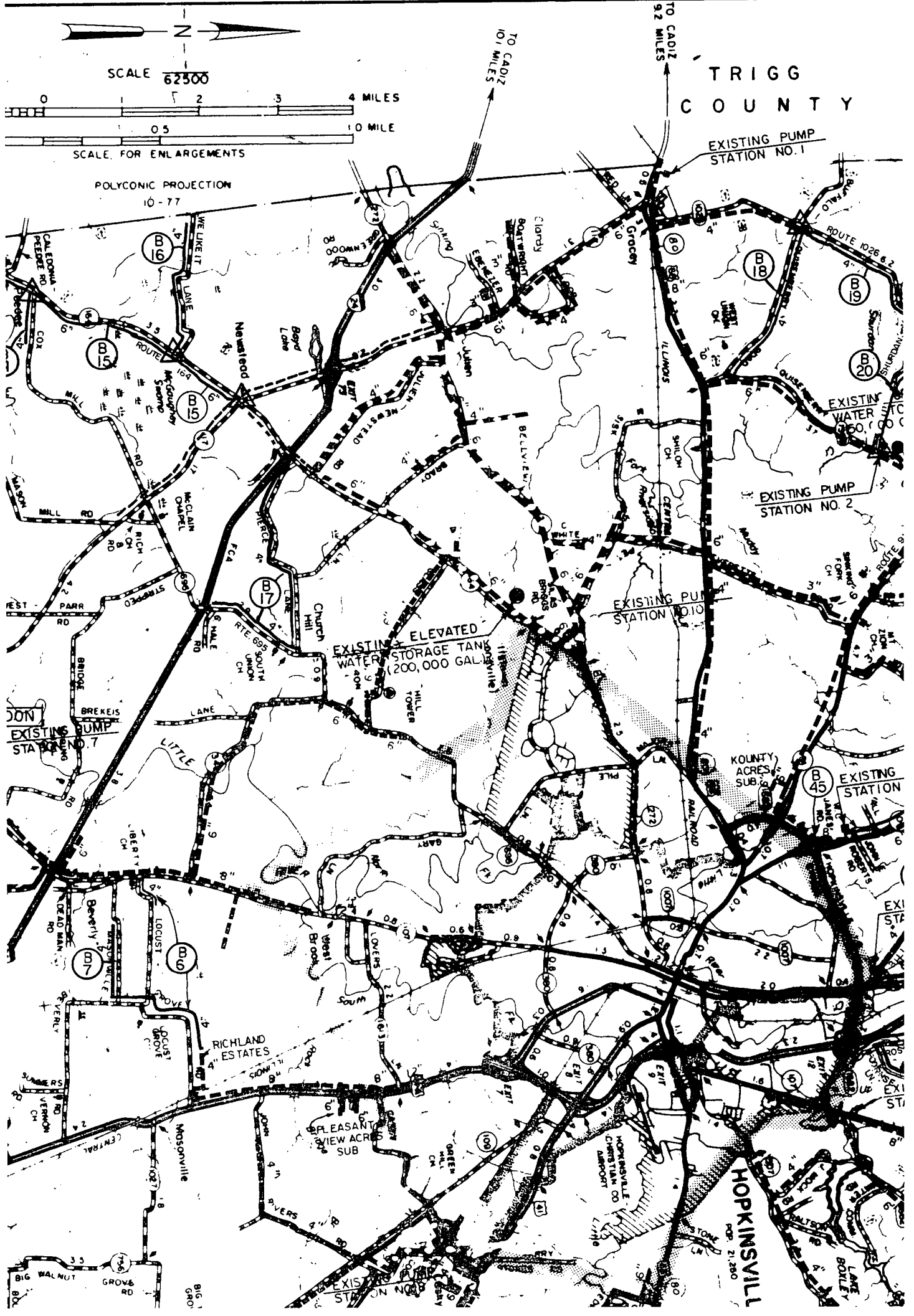
Branch

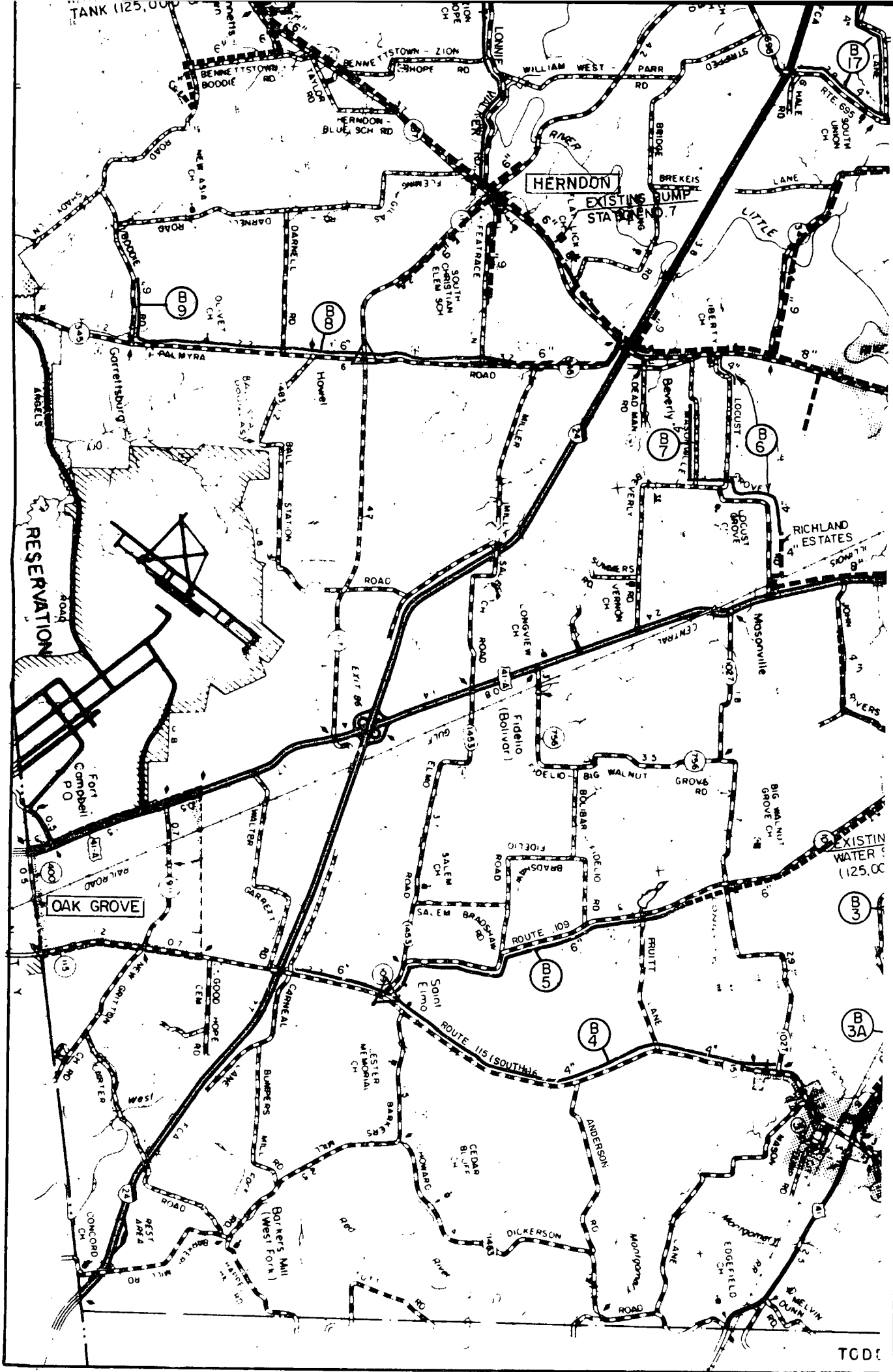




POLYCONIC PROJECTION
10-77

TRIGG COUNTY





TANK (125,000)

HERNDON

RESERVATION

OAK GROVE

EXISTING STATION

RICHLAND ESTATES

EXISTING WATER (125,000)

B3

B3A

B4

B5

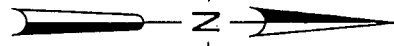
B17

B9

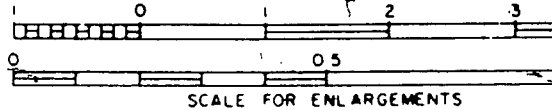
B7

B6

B7

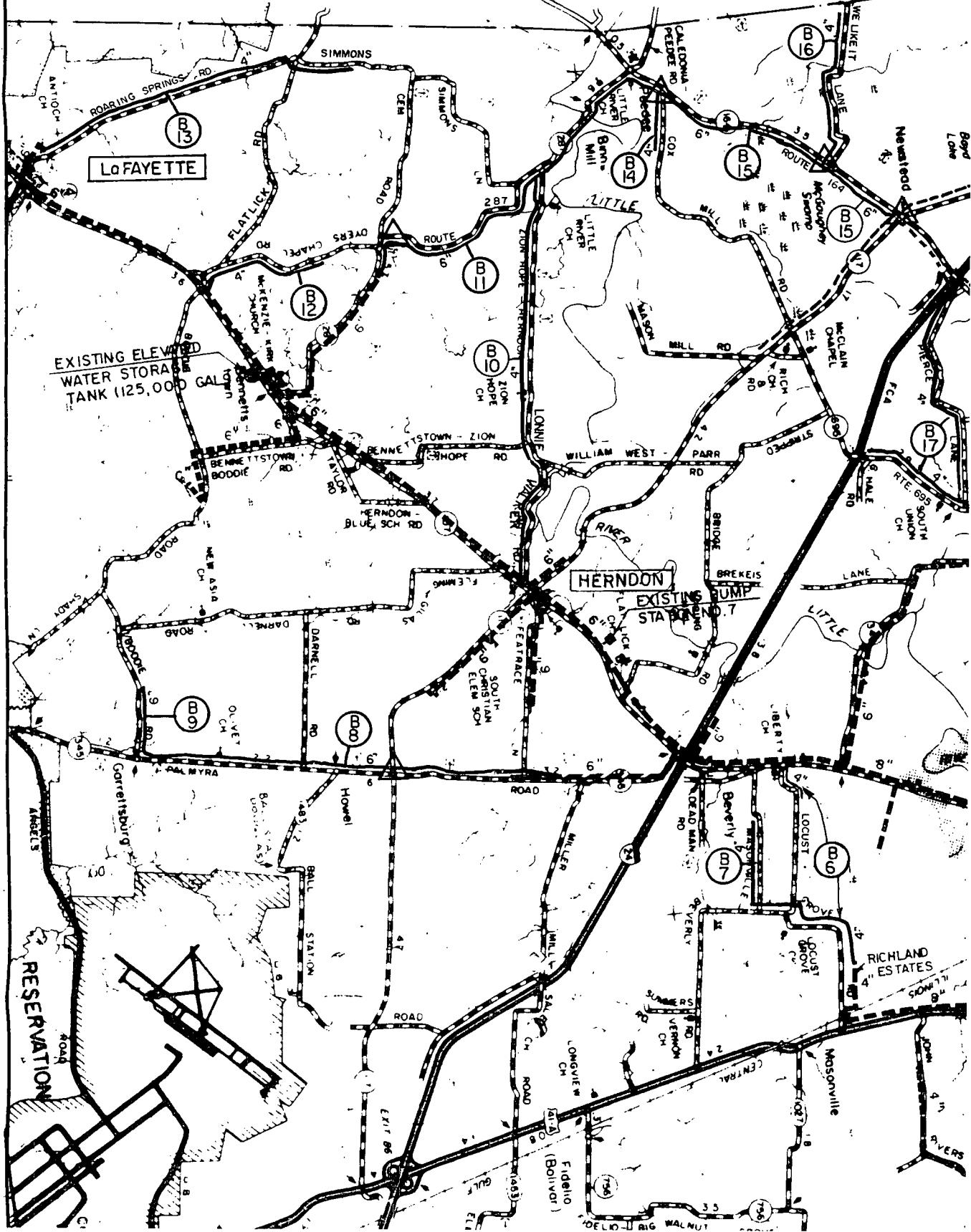


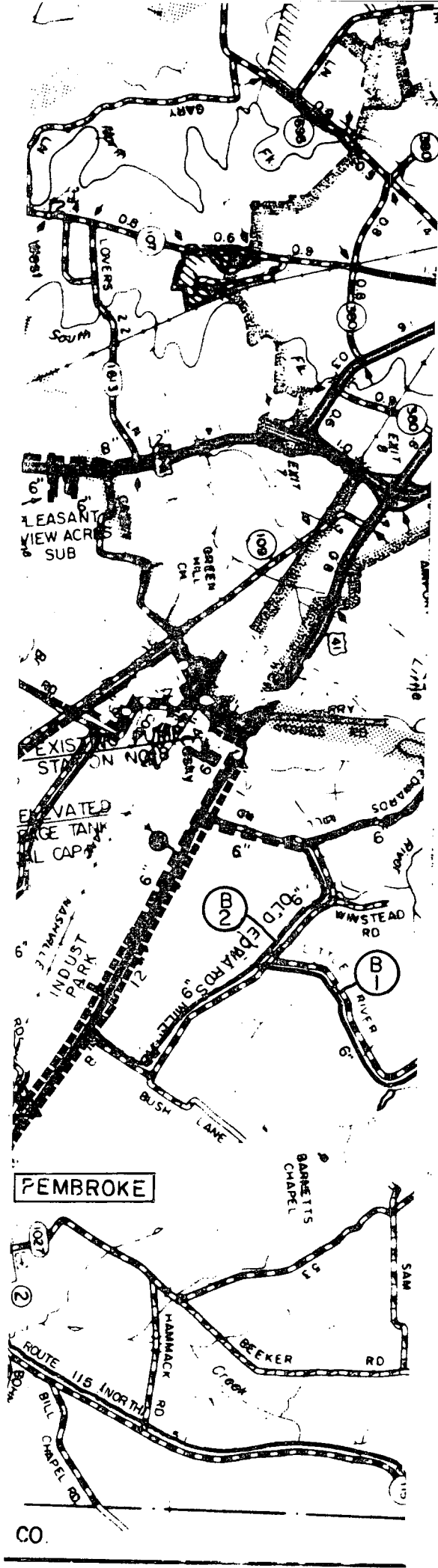
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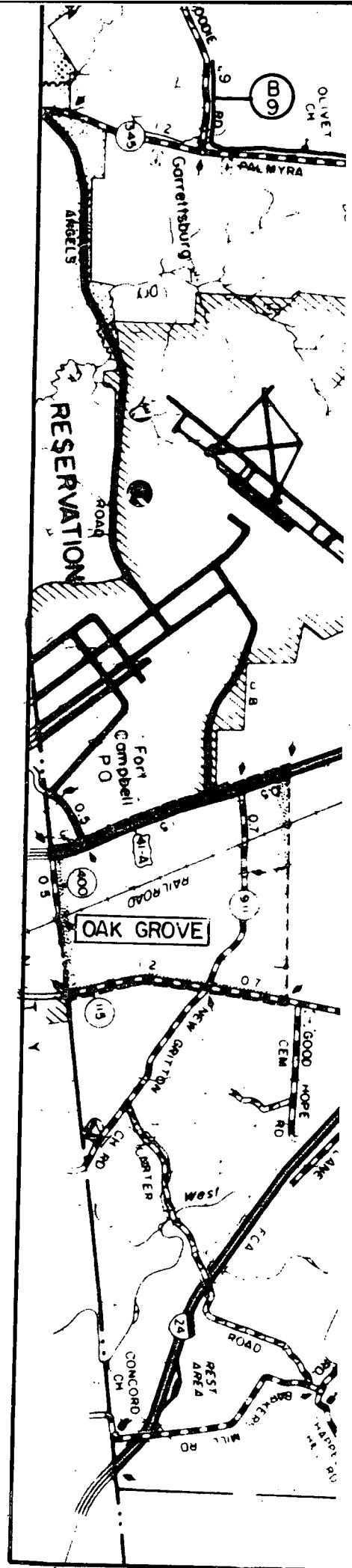
POLYCONIC PROJECTION
10-77

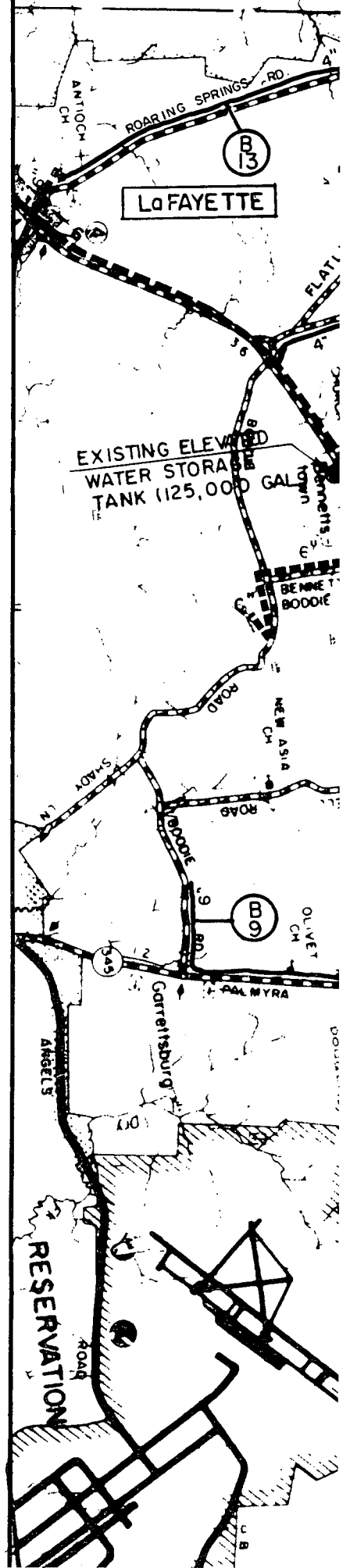
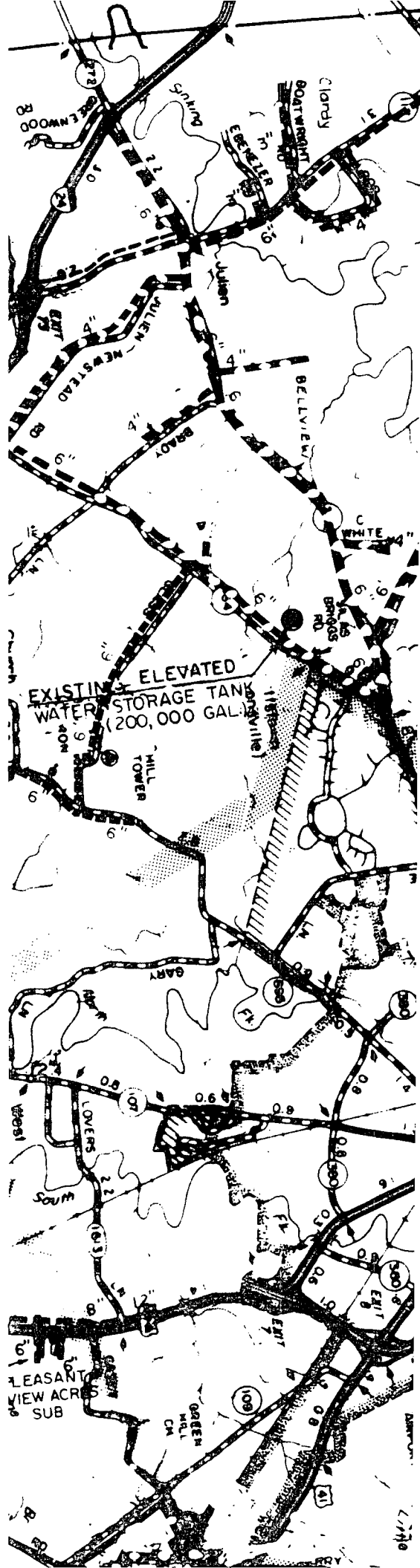
TO ROARING SPRINGS
3.0 MILES





CO.





JUL 27 1996

REGISTERED

PRELIMINARY ENGINEERING REPORT
FOR
WATERMAIN EXTENSIONS, ELEVATED WATER
STORAGE TANK, AND BOOSTER PUMPING STATION

PHASE V

FOR
CHRISTIAN COUNTY WATER DISTRICT
CHRISTIAN COUNTY, KENTUCKY

SEPTEMBER, 1996



Prepared by:
J.T. BLANKINSHIP & ASSOCIATES
401 SOUTH 17TH STREET/P.O. BOX 40
MURPHYSBORO, ILLINOIS 62966

File 6850

PRELIMINARY ENGINEERING REPORT
FOR
WATERMAIN EXTENSIONS, ELEVATED WATER
STORAGE TANK, AND BOOSTER PUMPING STATION

PHASE V

FOR
CHRISTIAN COUNTY WATER DISTRICT
CHRISTIAN COUNTY, KENTUCKY

SEPTEMBER, 1996

Prepared by:
J.T. BLANKINSHIP & ASSOCIATES
401 SOUTH 17TH STREET/P.O. BOX 40
MURPHYSBORO, ILLINOIS 62966

File 6850

PRELIMINARY ENGINEERING REPORT
FOR
WATERMAIN EXTENSIONS, ELEVATED WATER STORAGE TANK
AND BOOSTER PUMPING STATION
PHASE V
CHRISTIAN COUNTY WATER DISTRICT
CHRISTIAN COUNTY, KENTUCKY

A. General

The District has applied for Federal grant/loan funds, for construction of Phase V, through the USDA Rural Economic and Community Development Services Community Facilities Loan/Grant Program. Tap fees would contribute an additional \$348,075 to the project funds. A 15% increase in rates will be needed for debt repayment.

The general objective is to furnish a dependable, uncontaminated supply of water to the residents of the Christian County Water District. In addition, this project contains lines which will complete loops and interconnects to the existing system.

All areas of the District were studied in detail and the areas shown were determined to be the most feasible. This project will not be feasible without a grant and/or a loan.

Presently, residents in the project area are receiving their potable water from individual sources, including wells, cisterns, and springs. Like many locations throughout the Western Kentucky area, these individual methods of supplying residential water are inadequate and are often a serious threat to public health. The purity of groundwater in rural areas was once expected, however household septic discharges and farm runoff, have in many places polluted the underground water supply. Evidence of this has been indicated throughout the rural settings of the Western Kentucky area. The design of this project will alleviate possible health hazards by securing a dependable, sanitary water supply for residents of the project area.

The Environmental Assessment for the project, as currently proposed, has been completed (Phase I). Should changes be made in the project, additional Environmental Assessment Review may be necessary (Phase II), and would be performed at that time.

B. Area to be Served

The areas to be served in Phase V include Rural areas throughout the County.

A layout of the proposed watermain extensions and areas to be served are shown in Exhibit 1.

C. Existing Facilities

The existing water distribution and storage facilities have been constructed in three phases; the first in 1976, the second in 1983, and the third completed in 1994. The existing facilities consist of approximately 11 miles of 3" PVC watermain, 88.8 miles of 4" PVC watermain, 102.2 miles of 6" PVC watermain, 10.5 miles of 10" PVC watermain, 6 elevated water storage tanks, 3 ground storage tanks.

The District's existing water storage tanks, one 150,000 gallon ground storage tank (constructed 1977), one 75,000 gallon elevated storage tank (constructed 1983), one 52,000 gallon ground storage tank (constructed 1986), one 200,000 gallons elevated storage tank (constructed 1988), one 50,000 gallon elevated tank (constructed 1989), one 200,000 gallon elevated storage tank (constructed 1989), one 125,000 gallon elevated storage tank (constructed 1991), one 75,000 gallon ground storage tank (constructed 1991), and one 150,000 gallon elevated storage tank (constructed 1995). All elevated tanks have cathodic protection, and all tanks are in good condition.

The District also has ten pumping stations, all of which are in good condition. It is anticipated that, with routine maintenance, no major renovations will be required within the next 5 to 10 years.

The most recent financial statement (audit for year ending December 31, 1995) indicated that the District's Revenues from Water Sales for this period were \$1,065,625, and the Operation and Maintenance Expenses for the same period were \$816,008. Operation and Maintenance expenses are expected to increase proportionately to the District's growth.

The District also has outstanding long term debt on various revenue bonds and notes. The principle and interest on these bonds and notes amounts to approximately \$327,911 per year.

These are as follows:

<u>ISSUE DATE</u>	<u>PRINCIPAL</u>	<u>NOTE HOLDER</u>	<u>PAYMENT</u>	<u>TERM</u>
1993	\$1,144,398	Kentucky Infrastructure Authority	\$80,632	15.49 years
1987	\$ 50,000	Nations Bank Hopkinsville, KY	\$ 7,800	10 years
1988	\$ 70,000	Charles Pool Hopkinsville, KY	\$ 8,244	20 Years
1989	\$1,348,000	FmHA	\$79,922	38 Years
1990	\$ 803,000	FmHA	\$47,610	38 Years
1993	\$ 420,000	FmHA	\$24,915	38 Years
1994	\$1,328,852	FmHA	\$78,788	38 Years

Exhibit 2 provides the existing District water rate schedule and tabulation of users by monthly usage categories. Exhibit 3 provides the proposed District water rate schedule and tabulation of users by monthly usage categories, including the additional 819 customers anticipated for Phase V.

D. Proposed Facilities

The proposed facilities of Phase V consist of the construction of approximately:

- 10,000 L.F. of P.V.C. Watermain Shurdan Road(from Rt. 1026);
- 21,700 L.F. of P.V.C. Watermain Rt. 1026 from Quisenberry Rd. to Rt. 91;
- 36,000 L.F. of P.V.C. Watermain Rt. 398 & Mt. Carmel Church Rd. loop from Rt. 91;
- 8,200 L.F. of P.V.C. Watermain New Cut Rd. N. from Rt. 91(A. Danner Rd.);
- 10,000 L.F. of P.V.C. Watermain Quisenberry Rd. from Rt. 1026 to Rt. 1349;
- 3,100 L.F. of P.V.C. Watermain Rt. 164-East from Newstead;
- 4,800 L.F. of P.V.C. Watermain Rt. 164-West from Newstead;

10,800 L.F. of P.V.C. Watermain Rt. 695 SW from Rt. 345(Cox Mill Rd.);

4,600 L.F. of P.V.C. Watermain Rt. 695 NE from Rt. 345(Cox Mill Rd.);

14,200 L.F. of P.V.C. Watermain Rt. 117/Julian-Newsted Rd.;

4,800 L.F. of P.V.C. Watermain S. Buntin Lake Rd.;

12,000 L.F. of P.V.C. Watermain Hopkinsville-Mt. Zoar Rd.;

3,700 L.F. of P.V.C. Watermain: Mt. Zoar-Latham Rd.;

27,900 L.F. of P.V.C. Watermain: Kelly Rd-Mt. Zoar Rd-Combs Rd.;

39,100 L.F. of P.V.C. Watermain: Green Hill Rd-Wearly Rd.-Rt. 800 from Rt. 109 to Crofton;

32,000 L.F. of P.V.C. Watermain: Rt. 1348 from Rt. 109(+/-) to Crofton;

19,600 L.F. of P.V.C. Watermain: Terry Coal Rd. from Rt. 1348;

12,800 L.F. of P.V.C. Watermain: Dripping Springs Rd. & Pleasant Grove Rd. from Dripping Springs Branch to Tradewater River;

26,500 L.F. of P.V.C. Watermain: Rt. 1296 from Rt. 1348 to Rt. 41 N.;

8,000 L.F. of P.V.C. Watermain: Pleasant Grove Rd. from Old Madisonville Rd. to Dripping Springs Rd.;

3,400 L.F. of P.V.C. Watermain: Trails End Road;

8,300 L.F. of P.V.C. Watermain: Wm. Lile Rd from Old Madisonville Rd. to Pennyrile Parkway;

20,000 L.F. of P.V.C. Watermain: Dogwood-Kelly Rd.;

20,000 L.F. of P.V.C. Watermain: Rt. 178/189 from Ovil to Carl;

19,000 L.F. of P.V.C. Watermain: Shaw-Ovil Rd. from Rt. 507 to Rt. 178/189;

29,900 L.F. of P.V.C. Watermain: Antioch Rd.;

27,900 L.F. of P.V.C. Watermain: Pleasant Hill-Shiloh Church & Shiloh Church-Ovil Rd.;

- 10,200 L.F. of P.V.C. Watermain: Laytonsville Rd. & Norman Rd. from Rt. 507 to Rt. 508;
- 12,800 L.F. of P.V.C. Watermain: Woodburn Hay Rd & Johnson Mill Rd. to Dogwood Kelly Rd.;
- 10,500 L.F. of P.V.C. Watermain: Rt. 107 N. from Coal Creek Rd. to Todd County Line;
- 34,300 L.F. of P.V.C. Watermain: Rt. 800 from Fruit Hill to Pennyrite Parkway;
- 7,900 L.F. of P.V.C. Watermain: Johnson Mill Rd. SE from Rt. 800;
- 18,300 L.F. of P.V.C. Watermain: Old Edward's Mill Rd. (Kirkmans Store Road);
- 20,800 L.F. of P.V.C. Watermain: John Rivers Rd. from Casky Ln. to Rt. 41;
- 18,400 L.F. of P.V.C. Watermain: Rt. 115 from Pembroke to St. Elmo Rd.;
- 16,000 L.F. of P.V.C. Watermain: Locust Grove Rd from Rt. 117 to Rt. 41A S.;
- 14,600 L.F. of P.V.C. Watermain: Lonnie Walker Road (Zion Hope - Herndon Rd.);
- 27,200 L.F. of P.V.C. Watermain: Binn's Mill Rd (Rt. 287 to Peedee);
- 21,200 L.F. of P.V.C. Watermain: Palmyra Rd to Boddie Rd.;
- 14,000 L.F. of P.V.C. Watermain: Prosperity Lane (Old Madisonville - Concord Rd.;
- 8,500 L.F. of P.V.C. Watermain: Dyer's Chapel Rd.;
- 4,200 L.F. of P.V.C. Watermain: Wade-Daniel Road N. from Grace Rd.;
- 16,700 L.F. of P.V.C. Watermain: Roaring Springs Rd.;
- 5,100 L.F. of P.V.C. Watermain: Boddie Rd. W. from Palmyra Rd.;
- 4,400 L.F. of P.V.C. Watermain: Logan-Bennett Road;

14,800 L.F. of P.V.C. Watermain: Little River Rd from Old Edward's Mill Rd to Rt. 68;

32,200 L.F. of P.V.C. Watermain: Johnson Mill Rd. from Dogwood Kelley N. to Rt. 800;

13,200 L.F. of P.V.C. Watermain: Ebenezer - Ovil Rd.;

12,144 L.F. of P.V.C. Watermain: Billy Goat Hill;

28,000 L.F. of P.V.C. Watermain: Froghop Road from Rt. 107 to Rt. 189;

16,900 L.F. of P.V.C. Watermain: Gum Grove Road from Rt. 107 North to Coal Creak Rd.;

9,500 L.F. of P.V.C. Watermain: McKinney Road from Gum Grove Road to County Line;

4,800 L.F. of P.V.C. Watermain: J.J. Road from McKinney Road to Dead End.

1 Pumping Station;

1 200,000 Gallon Elevated Storage Tank;

These are all as shown in Exhibit 1.

E. Cost Estimate

Project costs for Phase V are estimated as follows:

<u>Description</u>	<u>Cost Estimate</u>
Construction	\$4,947,358
Construction Contingency (10%)	\$ 494,736
A/E Design and Inspection Fees	\$ 548,884
Interest during Construction	\$ 102,136
Bond Discount	\$ 68,000
Lands & Rights of Way	\$ 5,000
Legal Fees	\$ 50,000
Administration & Audit	\$ 5,000
Project Contingency	<u>\$ 126,961</u>
Total Project Costs	\$6,348,075

F. Annual Operating Budget

The District's water rates effective November 1, 1994, are shown in Exhibit 2. These rates will generate approximately \$1,173,613 per year. A breakdown of the projected operating budget using existing rates is as follows:

A. Operating Income:

Water Sales	\$1,173,613
Disconnect, Reconnect, Late Charges	\$ <u>23,000</u>
TOTAL OPERATING INCOME	\$1,119,613

B. Operation & Maintenance Expenses:

Water Purchase Expense	\$ 400,000
Utilities	\$ 34,000
Repairs	\$ 50,000
Office Expense	\$ 32,000
Insurance	\$ 35,000
Salaries & Miscellaneous	\$ <u>220,000</u>
TOTAL OPERATING EXPENSES	\$ 771,000

NET OPERATING INCOME \$ 402,613

C. Non-Operating Income:

Interest on Deposits	\$ <u>2,000</u>
TOTAL NON-OPERATING INCOME	\$ 2,000

D. Net Income: \$ 404,613

E. Debt Repayment:

FmHA Phase IV	\$ 78,788
FmHA Phase IIIA, Phase IIIB, & Phase IIIC	\$ 152,447
Non-FmHA-Kentucky Infrastructure Authority	\$ 80,632
Non-FmHA-Sovran Bank, Hopkinsville, KY	\$ 7,800
Non-FmHA-Charles Pool, Hopkinsville, KY	\$ <u>8,244</u>
TOTAL DEBT REPAYMENT	\$ 327,911

F. Balance Available for Coverage and Depreciation \$ 76,702

Assuming a grant of \$800,000 and a loan of \$2,200,000 at 5% over 38 years from Rural Development (RD), and selling \$3,000,000 in revenue bonds at 5.0%-6.0% for 30 years, the District will incur an additional debt service averaging approximately \$332,550 annually through the year 2015. After 2015, the debt service will be reduced significantly as previous debts are paid. The estimated debt service schedules for the RD loan and free-market loan for Phase V, and the estimated aggregate debt service for all long term debt is shown in Exhibit 4.

The additional debt incurred for Phase V will require a rate increase of approximately 15% in order to repay all debts. A breakdown of the proposed operating budget, including 819 additional customers and reflecting the rate increase, is as follows:

A. Operating Income:

Water Sales	\$1,676,663
Disconnect, Reconnect, Late Charges	\$ 28,000
TOTAL OPERATING INCOME	\$1,704,663

B. Operation & Maintenance Expenses:

Water Purchase Expense	\$ 460,000
Utilities	\$ 38,000
Repairs	\$ 75,000
Office Expense	\$ 35,000
Insurance	\$ 38,000
Salaries & Miscellaneous	\$ 250,000
TOTAL OPERATING EXPENSES	\$ 896,000

NET OPERATING INCOME	\$ 808,663
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C. Non-Operating Income:

Interest on Deposits	\$ 3,000
TOTAL NON-OPERATING INCOME	\$ 3,000

D. <u>Net Income:</u>	\$ 811,663
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E. Debt Repayment (including):

Revenue Bonds Phase V	
RECD Phase V	
FmHA Phase IV	
FmHA Phase IIIA, Phase IIIB, & Phase IIIC	
Non-FmHA-Kentucky Infrastructure Authority	
Non-FmHA-Sovran Bank, Hopkinsville, KY	
Non-FmHA-Charles Pool, Hopkinsville, KY	
AVERAGE ANNUAL DEBT REPAYMENT	\$ 650,460

F. <u>Balance Available for Coverage and Depreciation</u>	\$ 161,203
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G. Conclusions & Recommendations

The proposed project area of the Christian County Water District encompasses a semi-urban and farm area of the County which is in dire need of a dependable sanitary water supply.

Implementation of the proposed project will satisfy this need. As a result, much of the threat to the public health and safety which now occurs due to local contaminated water supplies will be eliminated.

Also, construction of the planned project will allow greater residential development throughout the project area, and will contribute to the general economic growth of the greater surrounding area.

Based upon the opportunity to expand the District's service area, it is recommended that the District proceed with the project, utilizing a combination of Owner funds (Project Tap Fees) of \$348,075, and a revenue bond issue of \$3,000,000 and USDA Rural Development Loan/Grant Program funding in the amount of \$3,000,000 to complete Phase V as proposed.

EXHIBIT 1