

CASE

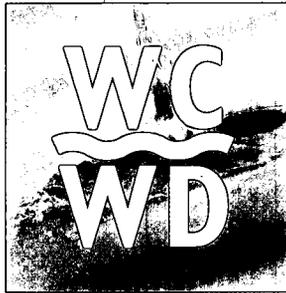
NUMBER:

99.350

IN THE MATTER OF THE APPLICATION OF WARREN COUNTY WATER DISTRICT, WARREN COUNTY, KENTUCKY, (A) FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY, PURSUANT TO KRS 278.020 AND 278.023, AUTHORIZING SAID DISTRICT TO CONSTRUCT IMPROVEMENTS AND EXTENSIONS WILL BE FINANCED IN PART UNDER THE TERMS OF AN AGREEMENT BETWEEN THE WATER DISTRICT AND THE UNITED STATES DEPARTMENT OF AGRICULTURE; RURAL DEVELOPMENT, (B) FOR AUTHORITY TO ISSUE CERTAIN SECURITIES AS REQUIRED BY KRS 278.300; AND (C) FOR APPROVAL OF WATER RATES AND CHARGES

SEQ NBR	ENTRY DATE	REMARKS
0001	08/18/1999	Application.
0002	08/24/1999	Acknowledgement letter
0003	09/01/1999	No deficiencies letter
0004	09/15/1999	Final Order approving construction, financing and rates.
M0001	09/30/1999	JOE LILES WARREN CO WD-REVISED TARIFF
0005	12/07/2000	First Reminder Letter Sent.
M0002	12/15/2000	JOE LILES WARREN CO WD-DATE FOR PROJECT COMPLETION MARCH 31,2001
M0003	04/04/2001	ALAN VILINES WARREN CO WD-AS BUILT DRAWING

WARREN COUNTY WATER DISTRICT



April 2, 2001

RECEIVED
APR 04 2001
PUBLIC SERVICE
COMMISSION

MS STEPHANIE BELL
SECRETARY OF THE COMMISSION
PUBLIC SERVICE COMMISSION
211 SOWER BOULEVARD
FRANKFORT KY 40602

RE: Case No. 1999-350

Dear Ms. Bell:

This is to certify that the referenced construction has been substantially completed in accordance with the contract plans and specifications. Enclosed is a copy of the "as-built" drawings.

If we can provide additional information at this time, please let us know.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Alan Vilines'.

Alan Vilines, P.E.
Engineering Manager

AHV:jh

Enclosure

QUALITY ON TAP

523 US HWY 31-W BYPASS / PO BOX 10180
BOWLING GREEN KENTUCKY 42102-4780
TEL 270.842.0052 FAX 270.842.8360

WARREN COUNTY WATER DISTRICT



December 12, 2000

MS STEPHANIE BELL
SECRETARY OF THE COMMISSION
PUBLIC SERVICE COMMISSION
P O BOX 615
FRANKFORT KY 40602

RECEIVED
DEC 15 2000
PUBLIC SERVICE
COMMISSION

RE: Case No. 1999-350, First Reminder Letter

Dear Ms. Bell:

We are in receipt of your letter dated December 7, 2000 related to the completion of the above referenced project and the filing of "as built drawings" and a certified statement that the construction was completed in accordance with the plans and specifications.

The project should be complete by March 31, 2001 and the required certification and as built drawings will be forwarded when the work is complete.

If we need to provide additional information, please let us know.

Sincerely,

Joe Liles
General Manager

JL:jh

QUALITY ON TAP

523 US HWY 31-W BYPASS / PO BOX 10180
BOWLING GREEN KENTUCKY 42102-4780
TEL 270.842.0052 FAX 270.842.8360



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. Joe Liles
Manager
Warren County Water District
951 Fairview Avenue
P.O. Box 10180
Bowling Green, Kentucky 42102-4780

Re: Case No. 1999-350, First Reminder Letter

Dear Mr. Liles:

The Commission entered the enclosed Final Order in this case on September 15, 2000. The Commission ordered Warren District shall file a copy of the "as-built" drawings and a certified statement that the construction has been satisfactorily completed in accordance with the contract plans and specifications within 60 days of the substantial completion of the construction. To date the Commission has not received this filing. Please make the filing, referencing the case number 1999-350, 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,

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. 99-350
WARREN 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 15, 1999.

Parties of Record:

Joe Liles
Manager
Warren County Water District
951 Fairview Avenue
P.O. Box 10180
Bowling Green, KY. 42102 4780

Honorable John David Cole
Attorney at Law
Cole, Moore & Baker
921 College Street
P. O. Box 10240
Bowling Green, KY. 42102 7240

Stephanie Bell
Secretary of the Commission

SB/hv
Enclosure

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF WARREN COUNTY WATER)
DISTRICT, WARREN COUNTY, KENTUCKY, (A))
FOR A CERTIFICATE OF CONVENIENCE AND)
NECESSITY, PURSUANT TO KRS 278.020 AND)
278.023, AUTHORIZING SAID DISTRICT TO)
CONSTRUCT IMPROVEMENTS AND EXTENSIONS)
TO ITS EXISTING WATER SYSTEM, WHICH)
IMPROVEMENTS AND EXTENSIONS WILL BE)
FINANCED IN PART UNDER THE TERMS OF AN)
AGREEMENT BETWEEN THE WATER DISTRICT)
AND THE UNITED STATES DEPARTMENT OF)
AGRICULTURE; RURAL DEVELOPMENT; (B) FOR)
AUTHORITY TO ISSUE CERTAIN SECURITIES AS)
REQUIRED BY KRS 278.300; AND (C) FOR)
APPROVAL OF WATER RATES AND CHARGES)

CASE NO. 99-350

O R D E R

On August 18, 1999, Warren County Water District ("Warren District") submitted an application for a Certificate of Public Convenience and Necessity to construct a \$5,650,000 waterworks improvement project, for approval of its plan of financing for this project, and for adjustments to its water service rates. This project consists of the construction of a 2,000,000 gallon elevated water storage tank, an 1,800 gallon per minute booster pump station, and 24,000 linear feet of 30-inch ductile iron transmission main and related appurtenances. Project funding is a \$2,000,000 bond issue to be purchased pursuant to an agreement with the U. S. Department of Agriculture's Rural Development ("RD") and \$3,650,000 in private revenue bonds.

Warren District's application was made pursuant to KRS 278.023, which requires the Commission to accept agreements between water utilities and the U. S. Department of Agriculture or the U. S. Department of Housing and Urban Development and to issue the necessary orders to implement the terms of such agreements within 30 days of satisfactory completion of the minimum filing requirements. Given that minimum filing requirements were met in this case on August 18, 1999, KRS 278.023 does not grant the Commission any discretionary authority to modify or reject any portion of this agreement.

IT IS THEREFORE ORDERED that:

1. Warren District is hereby granted a Certificate of Public Convenience and Necessity for the proposed construction project.
2. Warren District's proposed plan of financing with RD is accepted.
3. Warren District is authorized to issue bonds not to exceed \$5,650,000.
4. Warren District shall file a copy of the "as-built" drawings and a certified statement that the construction has been satisfactorily completed in accordance with the contract plans and specifications within 60 days of the substantial completion of the construction certificated herein.
5. The rates set out in Appendix A, which is attached hereto and incorporated herein, are the rates approved for service rendered on and after the date of this Order.
6. Warren District shall submit its revised tariff setting out the rates in Appendix A within 30 days of the date of this Order.
7. Three years from the effective date of this Order, Warren District shall file an income statement, along with any pro forma adjustments, in sufficient detail to demonstrate

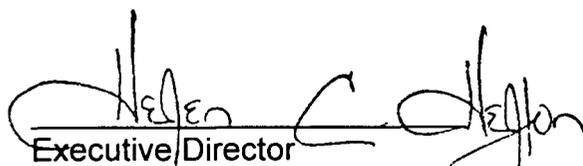
that the rates approved herein are sufficient to meet its operating expenses and annual debt service requirements.

Nothing contained herein shall be deemed a warranty of the Commonwealth of Kentucky, or any agency thereof, of the financing herein accepted.

Done at Frankfort, Kentucky, this 15th day of September, 1999.

By the Commission

ATTEST:


Executive/Director

APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 99-350 DATED SEPTEMBER 15, 1999

The following rates and charges are prescribed for the customers in the area served by Warren County Water District. All other rates and charges not specifically mentioned herein shall remain the same as those in effect under authority of this Commission prior to the effective date of this Order.

MONTHLY RATES:

5/8" x 3/4" Meter

First	2,000	gallons	\$9.75	Minimum Bill
Next	8,000	gallons	2.68	per 1,000 gallons
Next	90,000	gallons	2.18	per 1,000 gallons
Next	900,000	gallons	1.80	per 1,000 gallons
All Over	1,000,000	gallons	1.49	per 1,000 gallons

3/4" Meter

First	3,000	gallons	\$12.68	Minimum Bill
Next	7,000	gallons	2.68	per 1,000 gallons
Next	90,000	gallons	2.18	per 1,000 gallons
Next	900,000	gallons	1.80	per 1,000 gallons
All Over	1,000,000	gallons	1.49	per 1,000 gallons

1" Meter

First	5,000	gallons	\$18.68	Minimum Bill
Next	5,000	gallons	2.68	per 1,000 gallons
Next	90,000	gallons	2.18	per 1,000 gallons
Next	900,000	gallons	1.80	per 1,000 gallons
All Over	1,000,000	gallons	1.49	per 1,000 gallons

1 1/2" Meter

First	10,000	gallons	\$35.22	Minimum Bill
Next	90,000	gallons	2.18	per 1,000 gallons
Next	900,000	gallons	1.80	per 1,000 gallons
All Over	1,000,000	gallons	1.49	per 1,000 gallons

2" Meter

First	16,000	gallons	\$50.18	Minimum Bill
Next	84,000	gallons	2.18	per 1,000 gallons
Next	900,000	gallons	1.80	per 1,000 gallons
All Over	1,000,000	gallons	1.49	per 1,000 gallons

APPENDIX A (Cont'd.)

3" Meter

First	30,000	gallons	\$127.19 Minimum Bill
Next	70,000	gallons	2.18 per 1,000 gallons
Next	900,000	gallons	1.80 per 1,000 gallons
All Over	1,000,000	gallons	1.49 per 1,000 gallons

4" Meter

First	50,000	gallons	\$182.64 Minimum Bill
Next	50,000	gallons	2.18 per 1,000 gallons
Next	900,000	gallons	1.80 per 1,000 gallons
All Over	1,000,000	gallons	1.49 per 1,000 gallons

6" Meter

First	100,000	gallons	\$310.30 Minimum Bill
Next	900,000	gallons	1.80 per 1,000 gallons
All Over	1,000,000	gallons	1.49 per 1,000 gallons

8" Meter

First	160,000	gallons	\$437.15 Minimum Bill
Next	840,000	gallons	1.80 per 1,000 gallons
All Over	1,000,000	gallons	1.49 per 1,000 gallons

10" Meter

First	550,000	gallons	\$1,171.46 Minimum Bill
Next	450,000	gallons	1.80 per 1,000 gallons
All Over	1,000,000	gallons	1.49 per 1,000 gallons



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

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

September 1, 1999

Joe Liles
Manager
Warren County Water District
951 Fairview Avenue
P.O. Box 10180
Bowling Green, KY. 42102 4780

Honorable John David Cole
Attorney at Law
Cole, Moore & Baker
921 College Street
P. O. Box 10240
Bowling Green, KY. 42102 7240

RE: Case No. 99-350
WARREN COUNTY WATER DISTRICT

The Commission staff has reviewed your application in the above case and finds that it meets the minimum filing requirements. Enclosed please find a stamped filed 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 assistance, please contact my staff at 502/564-3940.

Sincerely,
Stephanie Bell

Stephanie Bell
Secretary of the Commission

SB/hv
Enclosure

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

IN THE MATTER OF

THE APPLICATION OF WARREN COUNTY WATER DISTRICT,
WARREN COUNTY, KENTUCKY, (A) FOR A CERTIFICATE OF
CONVENIENCE AND NECESSITY, PURSUANT TO KRS 278.020 AND
278.023, AUTHORIZING SAID DISTRICT TO CONSTRUCT
IMPROVEMENTS AND EXTENSIONS TO ITS EXISTING WATER
SYSTEM, WHICH IMPROVEMENTS AND EXTENSIONS WILL BE
FINANCED IN PART UNDER THE TERMS OF AN AGREEMENT
BETWEEN THE WATER DISTRICT AND THE UNITED STATES
DEPARTMENT OF AGRICULTURE; RURAL DEVELOPMENT, (B) FOR
AUTHORITY TO ISSUE CERTAIN SECURITIES AS REQUIRED BY
KRS 278.300; AND (C) FOR APPROVAL OF WATER RATES AND
CHARGES.

CASE NO. 99-350

FILED

APPLICATION

AUG 18 1999

PUBLIC SERVICE
COMMISSION

John David Cole
COLE, MOORE & BAKER
921 College Street
P.O. Box 10240
Bowling Green KY 42102-7240
Phone (270) 782-6666


John David Cole,
Attorney for Applicant,
Warren County Water District

August 5, 1999



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

August 24, 1999

Joe Liles
Manager
Warren County Water District
951 Fairview Avenue
P.O. Box 10180
Bowling Green, KY. 42102 4780

Honorable John David Cole
Attorney at Law
Cole, Moore & Baker
921 College Street
P. O. Box 10240
Bowling Green, KY. 42102 7240

RE: Case No. 99-350
WARREN COUNTY WATER DISTRICT
(Construct, Finance, Rates; 278.023)

This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received August 18, 1999 and has been assigned Case No. 99-350. In all future correspondence or filings in connection with this case, please reference the above case number.

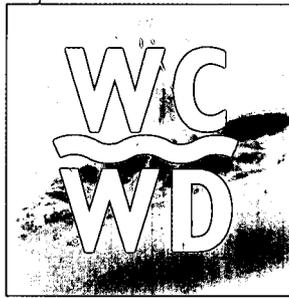
If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,
Stephanie Bell

Stephanie Bell
Secretary of the Commission

SB/jc

WARREN COUNTY WATER DISTRICT



August 16, 1999

MS HELEN C HELTON
EXECUTIVE DIRECTOR
PUBLIC SERVICE COMMISSION
730 SCHENKEL LANE
P O BOX 615
FRANKFORT KY 40602

AUG 18 1999
RECEIVED
COMMUNITY DEVELOPMENT

Dear Ms. Helton:

CASE 99-350

Enclosed are an original and ten copies of an Application of Warren County Water District for a Certificate of Convenience and Necessity, for authority to issue certain securities and for approval of water rates and charges.

Your assistance will be appreciated.

Sincerely,

A handwritten signature in cursive script that reads 'Joe Liles'.

Joe Liles
Manager

JL/jh

cc: John David Cole
William Davis
Greg Phillips

Enclosures

QUALITY ON TAP

951 FAIRVIEW AVENUE SUITE B / PO BOX 10180
BOWLING GREEN KENTUCKY 42102-4780
TEL 502.842.0052 FAX 502.842.8360

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

IN THE MATTER OF

THE APPLICATION OF WARREN COUNTY WATER DISTRICT, WARREN COUNTY, KENTUCKY, (A) FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY, PURSUANT TO KRS 278.020 AND 278.023, AUTHORIZING SAID DISTRICT TO CONSTRUCT IMPROVEMENTS AND EXTENSIONS TO ITS EXISTING WATER SYSTEM, WHICH IMPROVEMENTS AND EXTENSIONS WILL BE FINANCED IN PART UNDER THE TERMS OF AN AGREEMENT BETWEEN THE WATER DISTRICT AND THE UNITED STATES DEPARTMENT OF AGRICULTURE; RURAL DEVELOPMENT, (B) FOR AUTHORITY TO ISSUE CERTAIN SECURITIES AS REQUIRED BY KRS 278.300; AND (C) FOR APPROVAL OF WATER RATES AND CHARGES.

CASE NO. 99-350

FILED

APPLICATION

AUG 18 1999

PUBLIC SERVICE
COMMISSION

John David Cole
COLE, MOORE & BAKER
921 College Street
P.O. Box 10240
Bowling Green KY 42102-7240
Phone (270) 782-6666


John David Cole,
Attorney for Applicant,
Warren County Water District

August 5, 1999

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

IN THE MATTER OF

THE APPLICATION OF WARREN COUNTY WATER DISTRICT, WARREN COUNTY, KENTUCKY, (A) FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY, PURSUANT TO KRS 278.020 AND 278.023, AUTHORIZING SAID DISTRICT TO CONSTRUCT IMPROVEMENTS AND EXTENSIONS TO ITS EXISTING WATER SYSTEM, WHICH IMPROVEMENTS AND EXTENSIONS WILL BE FINANCED IN PART UNDER THE TERMS OF AN AGREEMENT BETWEEN THE WATER DISTRICT AND THE UNITED STATES DEPARTMENT OF AGRICULTURE; RURAL DEVELOPMENT, (B) FOR AUTHORITY TO ISSUE CERTAIN SECURITIES AS REQUIRED BY KRS 278.300; AND (C) FOR APPROVAL OF WATER RATES AND CHARGES.

CASE NO. QA-350

APPLICATION OF WARREN COUNTY WATER DISTRICT

The Applicant, Warren County Water District, situated in Warren County, Kentucky, hereby applies to the Public Service Commission of Kentucky for a Certificate of Convenience and Necessity authorizing the construction of certain improvements and extensions to its existing water system, including water lines, tanks, pumping stations and other appurtenances, for the purposes of furnishing an adequate water system for domestic, commercial and industrial use in said District, all in the interests of public health, safety and general welfare of the citizens and inhabitants of the District and its customers. The Applicant further requests that the Public Service Commission grant approval of the issuance of the Applicant's securities as herein set forth. The Applicant's proposed improvements and extensions are to be partially financed by the United States Department of Agriculture, Rural Development ("USDA"); and therefore, in accordance with KRS 278.023, it is requested that the Commission promptly review the proposed project and agreements with the USDA and issue its Certificate of Convenience and

Necessity no later than thirty (30) days after the filing of this Application. The Applicant further requests the Public Service Commission to approve water rates hereinafter set forth.

In support of this Application, the Applicant represents as follows:

(1) Warren County Water District, situated in Warren County, Kentucky (the "Applicant") is a water district existing by virtue of an Order entered by this Commission in its Case No. 5909 on December 18, 1973, the same being a matter before this Commission under authority of KRS 74.361. By its Order of December 18, 1973, in said Case No. 5909, the Commission merged the previously existing Northside Water District situated in Warren County, Kentucky, with the previously existing Westside Water District, a contiguous water district in said County, and ordered **inter alia** in pertinent part as follows:

That Northside Water District and Westside Water District be and they are hereby merged into a single water district, Warren County Water District,....That the rates to be charged by the merged District, Warren County Water District, shall be the existing rates on file with this Commission for the Northside Water District...That the merged District, Warren County Water District, shall acquire the assets and legal obligations of Northside Water District and Westside Water District....

(2) It is respectfully represented to the Commission that by virtue of KRS 74.361(5) and the Commission's Order entered on December 18, 1973, in said PSC Case No. 5909, it has followed as a matter of law that the previously existing Northside Water District and Westside Water District were merged into and became a new water district under the name and style "Warren County Water District" (the Applicant).

(3) As intimated in the proceedings before this Commission in its Case No. 5909, the Applicant has found it necessary to undertake certain urgently needed improvements, additions and extensions of the water service facilities. The Water District's engineering staff,

represented by Alan H. Vilines, P.E., Bowling Green, Kentucky (the "Engineer"), has prepared engineering reports as well as detailed plans and specifications for the construction and installation of the proposed major additional water facilities and improvements to serve the Applicant (the "Project"). The preliminary and final engineering reports contain, among other things, a description of the Project, cost figures and other pertinent financial data and projections and plans for the financing of the Project. A copy of said preliminary and final engineering reports are attached hereto marked **EXHIBITS A-1** and **A-2**, respectively, and incorporated herein as if set forth in full.

(4) According to the engineering report of the Engineer, the estimated cost of constructing and installing the Project is FIVE MILLION, SIX-HUNDRED FIFTY THOUSAND DOLLARS (\$5,650,000.00), which cost shall be financed by the Applicant through (A) a public sale of Water Revenue Bonds, Series 1999B, in an amount up to THREE MILLION, NINE HUNDRED FIFTY THOUSAND DOLLARS (\$3,950,000.00), maturing serially over a period not to exceed 31 years and bearing interest at rates to be established by competitive bidding, and (B) the issuance of the Applicant's Water Revenue Bonds, Series 1999A, in the amount of TWO MILLION DOLLARS (\$2,000,000.00), maturing over a period not to exceed 40 years and bearing interest at a single rate not to exceed 5.125% per annum, and which Series 1999A Bonds will be purchased by USDA in accordance with USDA's letter of conditions dated June 30, 1999, said letter of conditions being attached as **EXHIBIT B**, and incorporated herein as if set forth in full.

(5) The Project includes improvements to its water system to provide projected adequate flows and pressure to its existing and future customers of the Applicant. No other public water facilities presently exist other than the Applicant's existing facilities in those areas

of the Applicant as described in the plans for construction at this time, and the improvements of existing systems will not be in competition with services rendered or offered by any person, firm or corporation. It is further the opinion of the Commissioners of the Applicant that the public health, safety and general welfare of the citizens and inhabitants of the Applicant will be immeasurably promoted and served by the construction of the improved water system pursuant to authority of KRS Chapter 74 and the financing thereof through the issuance of revenue bonds as specifically authorized by KRS 74.370, et seq.

(6) The Applicant represents that, based upon the projections of the Engineer, the proposed rate change is necessary and will be adequate to meet the annual operating cost of the additions to the water system. The following proposed rate structure and charges are set out in the USDA letter of conditions:

**EXISTING MONTHLY WATER RATES
FOR
WARREN COUNTY WATER DISTRICT**

Minimum Bill --	2,000 Gal. @	\$8.98 for the first 2,000 Gal.
Next	8,000 Gal. @	\$2.47 per 1,000 Gallons
Next	90,000 Gal. @	\$2.01 per 1,000 Gallons
Next	900,000 Gal. @	\$1.66 per 1,000 Gallons
All Over	1,000,000 Gal. @	\$1.37 per 1,000 Gallons

Meter Size	Minimum Bill		
5/8"	First	2,000 Gallons	\$8.98
3/4"	First	3,000 Gallons	\$11.68
1"	First	5,000 Gallons	\$17.20
1-1/2"	First	10,000 Gallons	\$32.43

Meter Size	Minimum Bill		
2"	First	16,000 Gallons	\$46.21
3"	First	30,000 Gallons	\$117.12
4"	First	50,000 Gallons	\$168.18
6"	First	100,000 Gallons	\$285.73
8"	First	160,000 Gallons	\$402.53
10"	First	550,000 Gallons	\$1,078.69

***All rates are subject to 10 percent penalty if paid after due date.**

**PROPOSED MONTHLY WATER RATES*
FOR
WARREN COUNTY WATER DISTRICT**

5/8 x 3/4-Inch Meter:		
First	2,000 Gallons @	\$9.75 -- Minimum Bill
Next	8,000 Gallons @	\$2.68 -- per 1,000 Gallons
Next	90,000 Gallons @	\$2.18 -- per 1,000 Gallons
Next	900,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

3/4-Inch Meter:		
First	3,000 Gallons @	\$12.68 -- Minimum Bill
Next	7,000 Gallons @	\$2.68 -- per 1,000 Gallons
Next	90,000 Gallons @	\$2.18 -- per 1,000 Gallons
Next	900,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

1-Inch Meter		
First	5,000 Gallons	\$18.68 -- Minimum Bill
Next	5,000 Gallons	\$2.68 -- per 1,000 Gallons
Next	90,000 Gallons	\$2.18 -- per 1,000 Gallons
Next	900,000 Gallons	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons	\$1.49 -- per 1,000 Gallons

1-1/2-Inch Meter		
First	10,000 Gallons @	\$35.22 -- Minimum Bill
Next	90,000 Gallons @	\$2.18 -- per 1,000 Gallons
Next	900,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

*All rates are subject to 10 percent penalty if paid after due date.

2-Inch Meter:		
First	16,000 Gallons @	\$50.18 -- Minimum Bill
Next	84,000 Gallons @	\$2.18 -- per 1,000 Gallons
Next	900,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

3-Inch Meter:		
First	30,000 Gallons @	\$127.19 -- Minimum Bill
Next	70,000 Gallons @	\$2.18 -- per 1,000 Gallons
Next	900,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

4-Inch Meter:		
First	50,000 Gallons @	\$182.64 -- Minimum Bill
Next	50,000 Gallons @	\$2.18 -- per 1,000 Gallons
Next	900,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

6-Inch Meter:		
First	100,000 Gallons @	\$310.30 -- Minimum Bill
Next	900,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

8-Inch Meter:		
First	160,000 Gallons @	\$437.15 -- Minimum Bill
Next	840,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

*All rates are subject to 10 percent penalty if paid after due date.

10-Inch Meter:		
First	550,000 Gallons @	\$1,171.49 -- Minimum Bill
Next	450,000 Gallons @	\$1.80 -- per 1,000 Gallons
All Over	1,000,000 Gallons @	\$1.49 -- per 1,000 Gallons

(7) The following detailed information included with the Application and all exhibits referred to herein are incorporated by reference as a part of this Application:

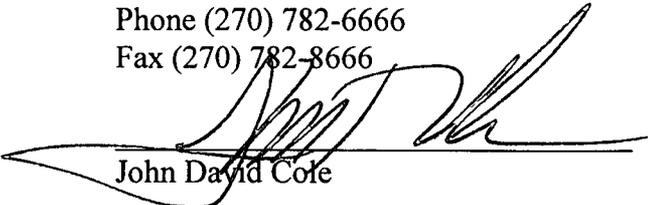
- EXHIBIT A-1** Preliminary engineering report
- EXHIBIT A-2** Final engineering report
- EXHIBIT B** USDA letter of conditions dated June 30, 1999
- EXHIBIT C** Copy of USDA letter of concurrence in bid award
- EXHIBIT D** Certified statement from an authorized utility official confirming (1) that the proposed plans and specifications for the Project have been designed to meet the minimum construction and operating requirements set out in 807 KAR 5:066, Section 4(3-4), Section 5(1), Section 6 and 7, Section 8(1-3), Section 9(1) and Section 10. The plans and specifications for the Project have also been designed to meet the minimum construction and operating requirements of the Kentucky Natural Resources and Environmental Protection Cabinet, Department for Environmental Protection, Division of Water; (2) that all other state approvals or permits have already been obtained; (3) that the proposed rates and charges shall produce total revenue requirements set out in the engineering report; and (4) dates when construction will begin and end.
- EXHIBIT E** Notice to customers of rate change, with evidence of publication.
- EXHIBIT F** Hilliard-Lyons commitment for Financing.

***All rates are subject to 10 percent penalty if paid after due date.**

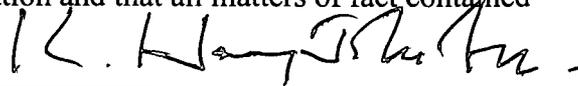
(8) The governing body of the Applicant, its Commission, respectfully represents to the Public Service Commission that there is a genuine need and demand for the Project.

WHEREFORE, the Applicant, Warren County Water District, upon the basis of the facts and circumstances hereinabove set forth and as represented by the exhibits attached hereto and made a part hereof, requests that the Commission issue to the Applicant a Certificate of Convenience and Necessity authorizing the Applicant to construct and install the Project approving the Applicant's issuance of Water Revenue Bonds, Series 1999A, in the principal amount of TWO MILLION DOLLARS (\$2,000,000.00), and Water Revenue Bonds, Series 1999B, in a principal amount up to THREE MILLION, NINE HUNDRED FIFTY THOUSAND DOLLARS (\$3,950,000.00), and approving its new water rates and charges.

COLE, MOORE & BAKER
921 College Street; P.O. Box 10240
Bowling Green KY 42102-7240
Phone (270) 782-6666
Fax (270) 782-8666


John David Cole

I, R. Harvey Johnston, III, Chairman of the County Water District, hereby state under oath that I have read the entire foregoing Application and that all matters of fact contained herein are true and correct.


R. Harvey Johnson, III

COMMONWEALTH OF KENTUCKY
COUNTY OF WARREN

16th SUBSCRIBED AND SWORN TO before me by R. Harvey Johnston, III on this day of August, 1999 in Bowling Green, Warren County, Kentucky.


NOTARY PUBLIC, Ky, State-at-Large

My Commission Expires: 4-28-2003

WATER SYSTEM ADDITIONS
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

PRELIMINARY ENGINEERING REPORT

WATER SYSTEM ADDITIONS
PROJECT 16

December 11, 1998



Prepared by
Engineering Staff
Warren County Water District

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Summary and Conclusions 2

Existing System 3

Project Description 3

Project Budget 5

Proposed Water Rate 6

Proforma Adjustment 9

Exhibit A – Map of Existing System and Proposed Improvements

INTRODUCTION

Warren County Water District serves the area in Warren County outside the territory of Bowling Green Municipal Utilities (BGMU). Within Warren County the Water District provides service in the communities of Smiths Grove, Oakland, Plum Springs, and Woodburn. Service is also provided in adjacent portions of Allen, Butler, Edmondson and Simpson Counties.

Warren County is continuing to be one of the fastest growing counties in the Commonwealth of Kentucky. According to the State Data Center at the University of Louisville, Warren County's population increased 8.2 percent from 1980 to 1990 and is projected to increase another 8.7 percent by the year 2000. This percentage increase means that Warren County will experience one of the State's largest absolute gains in population (6,771 persons) through that period. Projections beyond 2000 include percentage increases of a similar magnitude.

Growth on the Water District's system is occurring at a rate equal to or greater than that of the county's population. In recent years, 600 to 800 customers per year have been added along existing lines. Also, expansion of the commercial and industrial base in the Water District's service area continues to increase demand on the public water supply. While this growth has been very beneficial to the Water District, the system's transmission and storage capacity must be enlarged to continue meeting the demands of these existing customers and also provide for future growth.

The Water District is under the jurisdiction of the Kentucky Public Service Commission (PSC). PSC regulations require that all water systems have storage facilities with a capacity equal to the average daily demand on the system. At the end of 1997, the

Water District's storage capacity was higher than the annual average daily consumption. However, for the Water District to continue to meet this requirement and to provide system reliability, additional storage capacity is required.

SUMMARY AND CONCLUSION

Due to extensive growth in the southern area of Warren County, the Water District and BGMU have agreed to a new connection point on Cemetery Road near Interstate 65. At this connection point, the Water District will initially purchase water to serve the southeastern area of Warren County and will eventually purchase water for the entire southern portion of the county as future transmission facilities are constructed.

At this new connection point, the Water District will begin construction of 5.1 miles of 30-inch ductile iron water line. Along the proposed 30-inch water line, a 2 million gallon elevated tank will be constructed near Interstate 65. A new pump station will be built at the south end of the proposed water line to convey water to an existing elevated storage tank and in the future to the remaining service area in southern Warren County. To serve growth in the Plano Community, a 10-inch transmission line is proposed in that area. To continue to meet supply needs in the Pleasant Hill community, a pump station is proposed along Middle Bridge Road.

The transmission system improvements and storage facilities summarized above are not financially feasible without a general rate increase. The estimated project cost for the project is \$6,355,000. The project cost will be financed by \$3,000,000 in loan funds from Rural Development (RD) and \$3,355,000 in publicly issued bonds. The interest rate on the loan funds will be based on RD's "market" rate.

Debt service and operating expenses for the proposed facilities will be covered by revenues from an increased rate to existing customers. Water rates charged to the Water District's customers must be increased an average of 8.6 percent to finance Project 16.

EXISTING SYSTEM

The existing water system currently serves 17,284 customers with approximately 865 miles of transmission and distribution lines ranging in size from 2-inches to 20-inches and approximately 97 miles of service lines ranging from 3/4 inch to 2-inches. There are 25 existing pumping stations in service with a total capacity of approximately 12,190 gpm. There are 26 storage tanks scattered throughout the system with a total capacity of 7.202 million gallons.

Most of the water distributed and sold by the Water District is purchased from BGMU. BGMU's water treatment plant has a capacity of 22 MGD and has an average production of approximately 16 MGD. BGMU is currently preparing plans to upgrade the water plant capacity to 30 MGD. The Water District also operates its own plant which supplies approximately 0.4 MGD to the system.

PROJECT DESCRIPTION

The proposed project will begin at a new connection point to BGMU's system near the intersection of Lovers Lane and Cemetery Road. The Water District will construct a 30-inch ductile iron transmission line from this point along Cemetery Road and Old Lovers Lane to a new elevated 2 million gallon tank located on the west side of Interstate 65. This large new tank will be the primary distribution point in conveying water to all of

southern Warren County. From this tank, the 30-inch ductile iron transmission line will continue across Interstate 65 and southerly along Cumberland Trace Road to the Greenwood area. The total length of this transmission line is approximately 27,000 feet.

In the Greenwood area, a large pump station will be constructed to supply water to the existing Greenwood Tank. Two 1,600 gpm pumps will be installed in this station. This pump station will also be designed for future expansion to also convey up to 5,000 gpm into the southern service areas of Highway 31W South and Highway 68W as future transmission systems are constructed.

In the Plano community, 8,000 feet of 10-inch transmission line is proposed along Highway 622 to increase supply to this rapidly growing area. In addition a 400 gpm pump station is proposed along Middle Bridge Road to increase supply to the Pleasant Hill community. The proposed improvements described above are shown in Exhibit A. The preliminary budget is shown on the following page.

PRELIMINARY PROJECT BUDGET
 WATER SYSTEM ADDITIONS - PROJECT 16
 WARREN COUNTY WATER DISTRICT
 October 2, 1998

PROJECT COSTS

1. Construction				
a. Lovers La./Cemetery Rd. Transmission Line	26,700	LF @	\$94.00 =	\$2,509,800
b. Interstate Highway Crossing	300	LF @	600.00 =	180,000
c. Plano Rd. Transmission Line	8,000	LF @	16.00 =	128,000
d. Lovers La. Tank - 2.0 MG Elevated	1	LS @	1,900,000 =	1,900,000
e. Middle Bridge Rd. Pumping Sta. - 400 gpm	1	LS @	51,200 =	51,200
f. Greenwood Pumping Sta. - 1,600 gpm	1	LS @	325,000 =	<u>325,000</u>
				\$5,094,000
2. Engineering				
a. Design & Engr. During Construction				223,000
b. Inspection				<u>100,000</u>
				323,000
3. Administrative Expenses				29,400
4. Easement and Site Acquisition				80,000
5. Legal Costs (Rural Development)				17,900
6. Bond Issuance Costs				355,000
7. Interest During Construction				170,000
8. Contingency				<u>285,700</u>
TOTAL PROJECT COST				<u>\$6,355,000</u>

PROJECT FUNDING

1. RD Loan		3,000,000
2. Bond Issue		<u>3,355,000</u>
TOTAL FUNDING		<u>\$6,355,000</u>

PROPOSED WATER RATE

The methodology used in developing the proposed rate schedule is taken from the American Water Works Association, Manual M-1, Water Rates, Section 5, "Rate Design for Small Utilities", published by the AWWA in 1983. Basic philosophy and methodology presented in other sections of that manual are also incorporated into the rate design.

It was determined that with the additional debt service and operating expenses resulting from the proposed project, a rate increase averaging 8.6 percent is required. This increase will also allow an adequate margin for depreciation funds to be accumulated for system maintenance, minor improvements, and special programs.

As the Water District's facilities continue to age and more facilities are added, the need for expenditures on maintenance and upkeep is expected to increase. Two examples of major expenditures from depreciation funds include painting of existing tanks and maintenance and meter replacement programs. These are just two examples of the many uses of depreciation funds that are required to maintain system upkeep. Therefore, it is very important for the Water District to implement water rates that result in sufficient revenue so that these funds will be available.

The schedule of water rates recommended in conjunction with this project is shown on the following two pages. Following the rate schedule is the Proforma Adjustment, which shows the estimated revenues (which include the rate increase) and expenses for the first full year of operation after the completion of Project 16.

WARREN COUNTY WATER DISTRICT

RATE SCHEDULE

5/8 X 3/4-Inch Meter

First	2,000 Gallons	\$ 9.75 Minimum Bill
Next	8,000 Gallons	2.68 per 1,000 Gallons
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

3/4-Inch Meter

First	3,000 Gallons	\$12.68 Minimum Bill
Next	7,000 Gallons	2.68 per 1,000 Gallons
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

1-Inch Meter

First	5,000 Gallons	\$18.68 Minimum Bill
Next	5,000 Gallons	2.68 per 1,000 Gallons
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

1-1/2-Inch Meter

First	10,000 Gallons	\$35.22 Minimum Bill
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

2-Inch Meter

First	16,000 Gallons	\$50.18 Minimum Bill
Next	84,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

3-Inch Meter

First	30,000 Gallons	\$127.19 Minimum Bill
Next	70,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

4-Inch Meter

First	50,000 Gallons	\$182.64 Minimum Bill
Next	50,000 Gallons	2.18 per 1,000 Gallons

Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

6-Inch Meter

First	100,000 Gallons	\$310.30 Minimum Bill
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

8-Inch Meter

First	160,000 Gallons	\$437.15 Minimum Bill
Next	840,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

10-Inch Meter

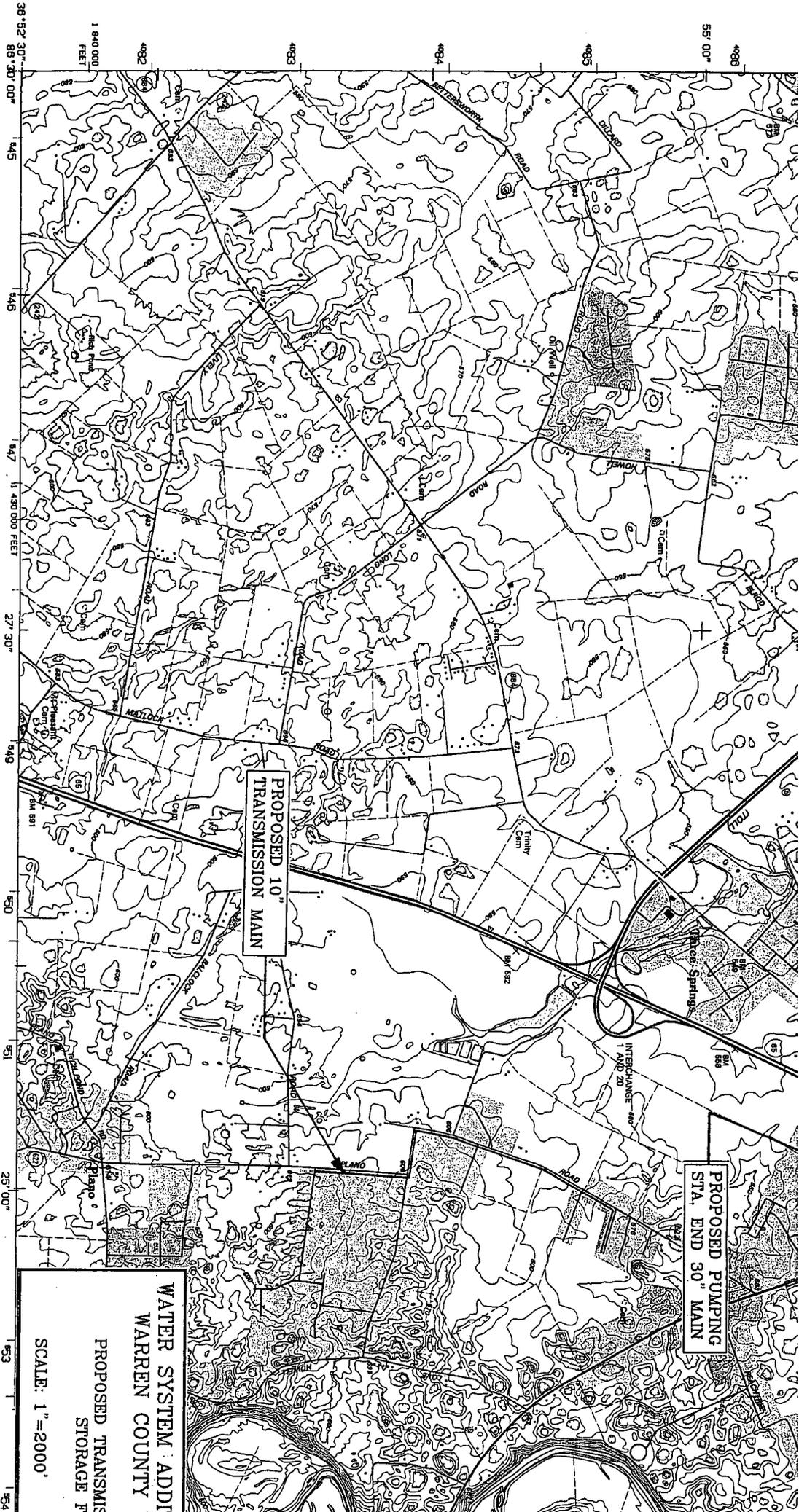
First	550,000 Gallons	\$1,171.46 Minimum Bill
Next	450,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

**PROFORMA ADJUSTMENT
WATER SYSTEM ADDITIONS - PROJECT 16
WARREN COUNTY WATER DISTRICT**

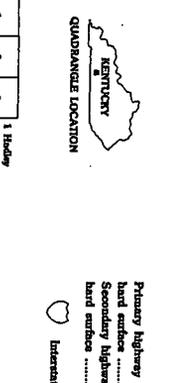
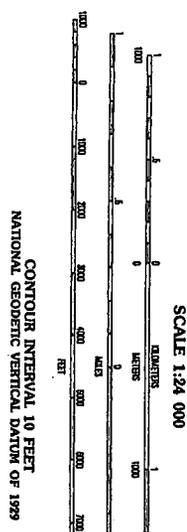
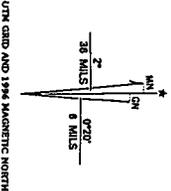
	EXISTING SYSTEM 7/97-7/98	CHANGES ON EXISTING SYSTEM	CHANGES DUE TO PROJECT 16	TOTAL FUTURE SYSTEM AFTER PROJECT 2001
OPERATING REVENUE:				
METERED & OTHER				
Meter Sales Revenue	\$5,037,113	\$79,833	\$436,977	\$5,553,923
Forfeited Discounts	110,036	0	0	110,036
Other Meter Sales Rev.	0	0	0	0
Misc. Service Revenue	30,607	0	0	30,607
Other Water Revenue	1,056	0	0	1,056
Misc. Income-Interest	<u>148,116</u>	<u>(76,050)</u>	<u>0</u>	<u>72,066</u>
TOTAL OPERATING REVENUE	\$5,326,928	\$3,783	\$436,977	\$5,767,688
OPERATING EXPENSE:				
SOURCE OF SUPPLY & PUMP. EXP.				
Purchased Water	\$1,411,924	\$78,097	\$0	\$1,490,021
Purch. Power - Pump Sta.	188,935	0	45,500	234,435
Mat'l. & Supplies and Misc.	1,755	0	195	1,950
Contr. Serv. - Audit & Legal	400	0	44	444
Contr. Serv. - Operation Labor	72,600	0	8,067	80,667
Insurance - Gen. Liab. & Other	3,700	0	411	4,111
WATER TREATMENT EXPENSE				
Purchased Power	16,007	0	0	16,007
Chemicals	4,523	0	0	4,523
Material & Supplies & Misc.	2,122	0	0	2,122
Contratual Serv. - Audit & Legal	400	0	0	400
Contr. Serv. - Operation Labor	39,662	0	0	39,662
Transportation Expenses	0	0	0	0
Insurance - Gen. Liab. & Other	2,313	0	0	2,313
TRANSMISSION AND DISTRIBUTION				
Purch. Power - Storage Fac.	4,183	0	174	4,357
Purch. Power - Master Meters	2,350	0	276	2,626
Mat'l. & Supplies and Misc.	10,277	0	79	10,356
Contr. Serv. - Audit & Legal	400	0	0	400
Contr. Serv. - Op. & Mtr. Labor	351,178	0	2,691	353,869
Contr. Serv. - Scada	4,754	0	200	4,954
Transportation Expenses	0	0	0	0
Insurance - Gen. Liab. & Other	13,468	0	103	13,571
CUSTOMER ACCOUNTS				
Mat'l. & Supplies and Misc.	52,906	0	0	52,906
Contr. Serv. - Audit & Legal	1,988	0	0	1,988
Contr. Serv. - Meter Reading	182,169	0	0	182,169
Contr. Serv. - Customer Records	201,471	0	0	201,471
Insurance - General Liability	1,850	0	0	1,850
Bad Debt Expense	7,000	0	0	7,000
ADMINISTRATIVE & GENERAL				
Mat'l. & Supplies and Misc.	24,653	0	0	24,653
Contr. Serv. - Audit & Legal	7,106	0	0	7,106
Contr. Serv. - Admin & Gen Sal.	66,059	0	0	66,059
Insurance - Gen. Liab. & Other	6,940	0	0	6,940
Regulatory Commission	0	0	0	0
TOTAL OPERATING EXPENSE	\$2,683,093	\$78,097	\$57,740	\$2,818,931

PROFORMA ADJUSTMENT CONTINUED
WATER SYSTEM ADDITIONS - PROJECT 16
WARREN COUNTY WATER DISTRICT

	EXISTING SYSTEM 7/97-7/98	CHANGES ON EXISTING SYSTEM	CHANGES DUE TO PROJECT 16	TOTAL FUTURE SYSTEM AFTER PROJECT 2001
MAINTENANCE EXPENSE:				
PUMPING				
Mat'l. & Supplies and Misc.	\$0	\$0	\$0	\$0
Contr. Serv. - Audit & Legal	400	0	44	444
Contr. Serv. - Pumping Equip.	22,337	0	2,482	24,819
WATER TREATMENT				
Material & Supplies and Misc.	0	0	0	0
Contr. Serv. - Audit & Legal	400	0	0	400
Contr. Serv. - Structures	1,685	0	0	1,685
Contr. Serv. - Treatment Equip.	382	0	0	382
TRANSMISSION & DISTRIBUTION				
Mat'l. & Supplies and Misc.	0	0	0	0
Contr. Serv. - Audit & Legal	400	0	0	400
Contr. Serv. - Standpipes	65,041	0	2,710	67,751
Contr. Serv. - Mains	120,587	0	924	121,511
Contr. Serv. - Services	67,391	0	0	67,391
Contr. Serv. - Meters	101,599	0	5,080	106,679
Contr. Serv. - Hydrants	13,706	0	0	13,706
Contr. Serv. - Misc. Plant	628	0	0	628
Contr. Serv. - Scada	0	0	0	0
TOTAL MAINTENANCE EXPENSE	\$394,556	\$0	\$11,240	\$405,796
DEPRECIATION EXPENSE	750,442	11,760	127,100	889,302
TAXES:				
REGULATORY ASSESSMENT FEES	7,306	0	0	7,306
PRINCIPAL & INTEREST EXPENSE:				
PRINCIPAL PAYMENT - RD	28,000	5,000	27,853	60,853
INTEREST PAYMENT - RD	141,625	(5,445)	150,000	286,180
PRINCIPAL PAYMENT - Non RD	380,060	52,009	50,000	482,069
INTEREST PAYMENT - Non RD	386,221	(50,700)	164,235	499,756
CONSUMER DEPOSITS - Interest	18,689	0	0	18,689
UNAMORTIZED DEBT EXPENSE	40,434	0	0	40,434
MISC. NONUTILITY EXPENSES	1,794	0	0	1,794
TOTAL OPERATING & MAINTENANCE EXPENSE AND OTHER	<u>\$4,832,220</u>	<u>\$90,721</u>	<u>\$588,168</u>	<u>\$5,511,109</u>
NET UTILITY OPERATING INCOME	<u>\$494,708</u>	<u>(\$86,938)</u>	<u>(\$151,191)</u>	<u>\$256,579</u>



Produced by the United States Geological Survey
 Compiled by photogrammetric methods from imagery dated 1983
 Field checked 1984. Revised from imagery dated 1967 of
 Field checked 1964. Revised from imagery dated 1957 of
 Field checked 1958. Revised from imagery dated 1953 of
 Kentucky agencies from imagery dated 1953. Survey control
 current as of 1968. Map edited 1996. Contours not revised.
 North American Datum of 1983 (NAD 83). Projection and
 UTM 18Q UTM Zone 18Q (NAD 83) is shown by dashed
 North American Datum of 1927 (NAD 27) is shown by dashed
 10 000-foot ticks. Kentucky Coordinate System of 1983 (south zone)
 for 7.5-minute increments are available from National Geodesic
 Survey NADCON software

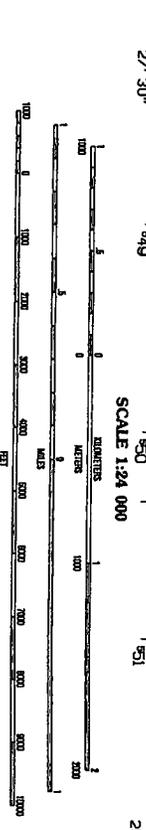


WATER SYSTEM ADDIT
WARREN COUNTY
PROPOSED TRANSMIS
STORAGE F
SCALE: 1"=2000'

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 KENTUCKY GEOLOGICAL SURVEY, LEXINGTON, KENTUCKY 40506
 AND KENTUCKY DEPARTMENT OF COMMERCE, FRANKFORT, KENTUCKY 40601
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1	2	3	1 Interim
4	5	6	2 Boundary Lines
7	8	3 Boundary	3 Boundary
		4 Boundary	4 Boundary
		5 Boundary	5 Boundary
		6 Boundary	6 Boundary
		7 Boundary	7 Boundary
		8 Boundary	8 Boundary

THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 KENTUCKY GEOLOGICAL SURVEY, LEXINGTON, KENTUCKY 40506
 AND KENTUCKY DEPARTMENT OF COMMERCE, FRANKFORT, KENTUCKY 40601
 A PUBLISHER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	

ADJOINING 7.5' QUADRANGLE NAMES

- 1 Bowling Green North
- 2 Bowling Green North
- 3 Bowling Green North
- 4 Bowling Green North
- 5 Bowling Green North
- 6 Bowling Green North
- 7 Bowling Green North
- 8 Bowling Green North

WATER SYSTEM ADDITIONS - PROJECT 16
 WARREN COUNTY WATER DISTRICT
 PROPOSED TRANSMISSION, PUMPING &
 STORAGE FACILITIES

SCALE: 1"=2000'

DATE: 12/11/98

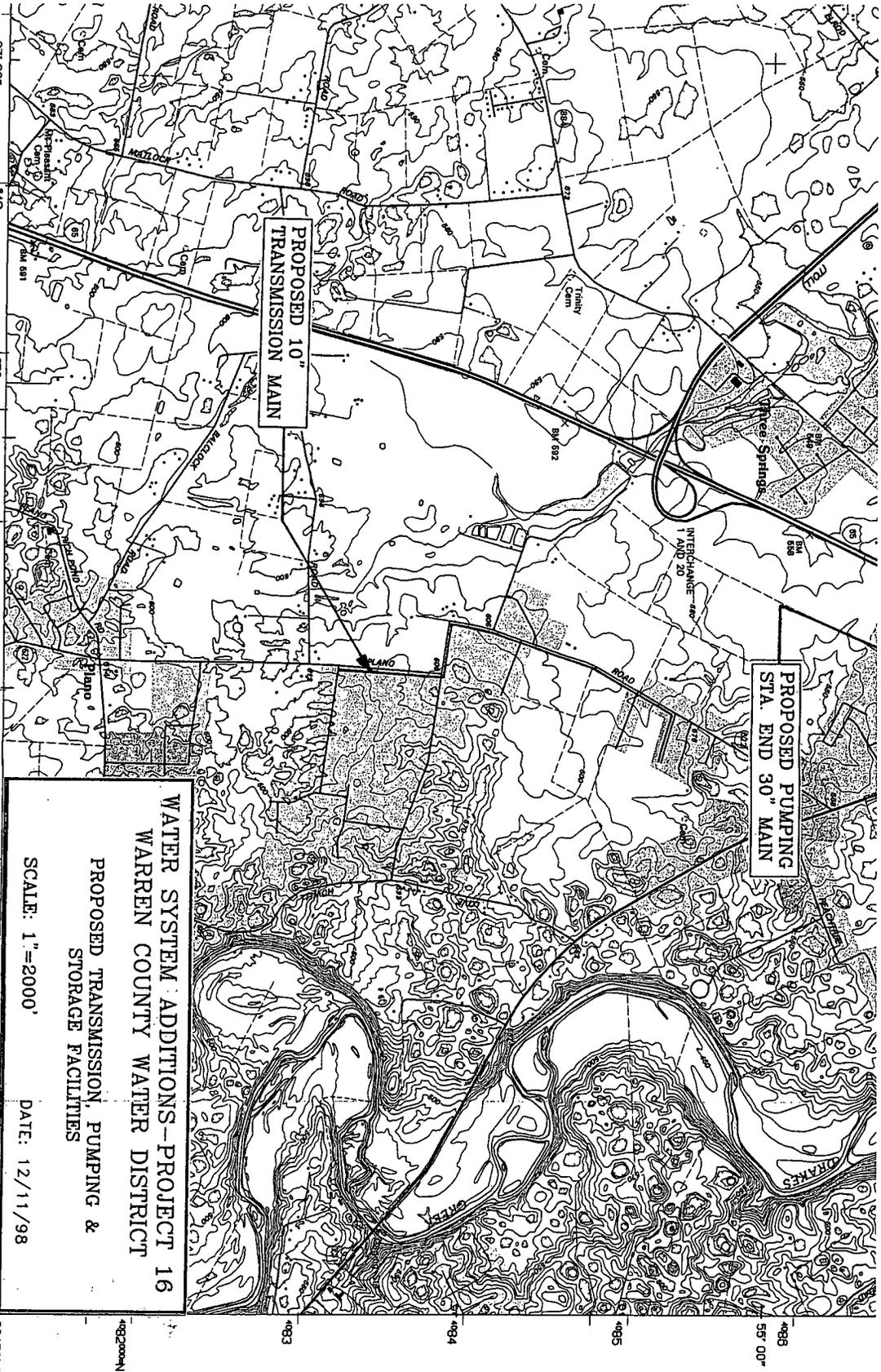
ROAD CLASSIFICATION

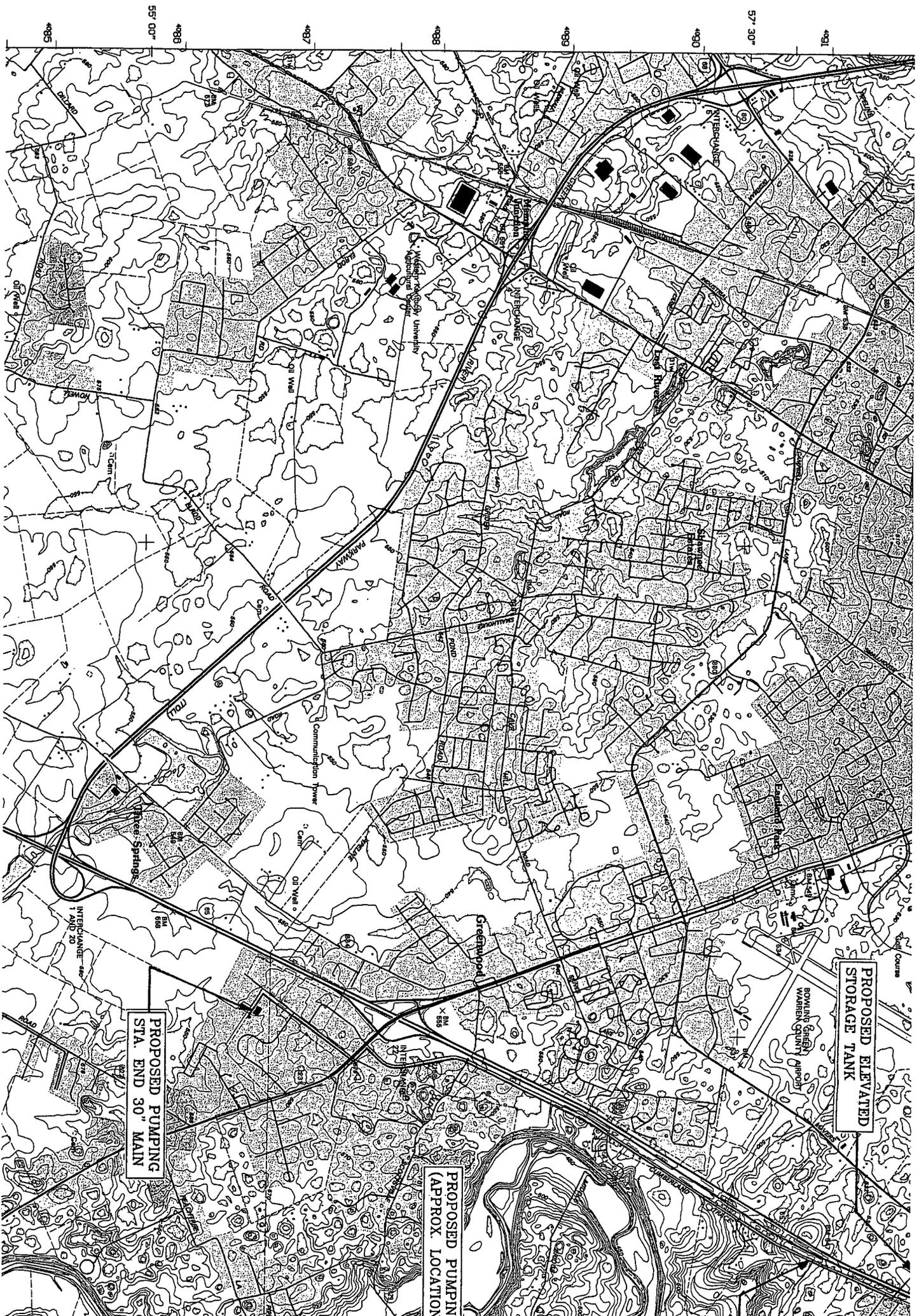
- Interstate highway
- Primary highway
- Hard surface
- Secondary highway
- Light-duty road, hard or improved surface
- Hard surface
- Unimproved road
- U.S. Route
- State Route

BOWLING GREEN SOUTH, KY

36086-HA-TT-024
 1993

DMA 8787 IV NW-SERIES V833





PROPOSED PUMPING
STA. END 30" MAIN

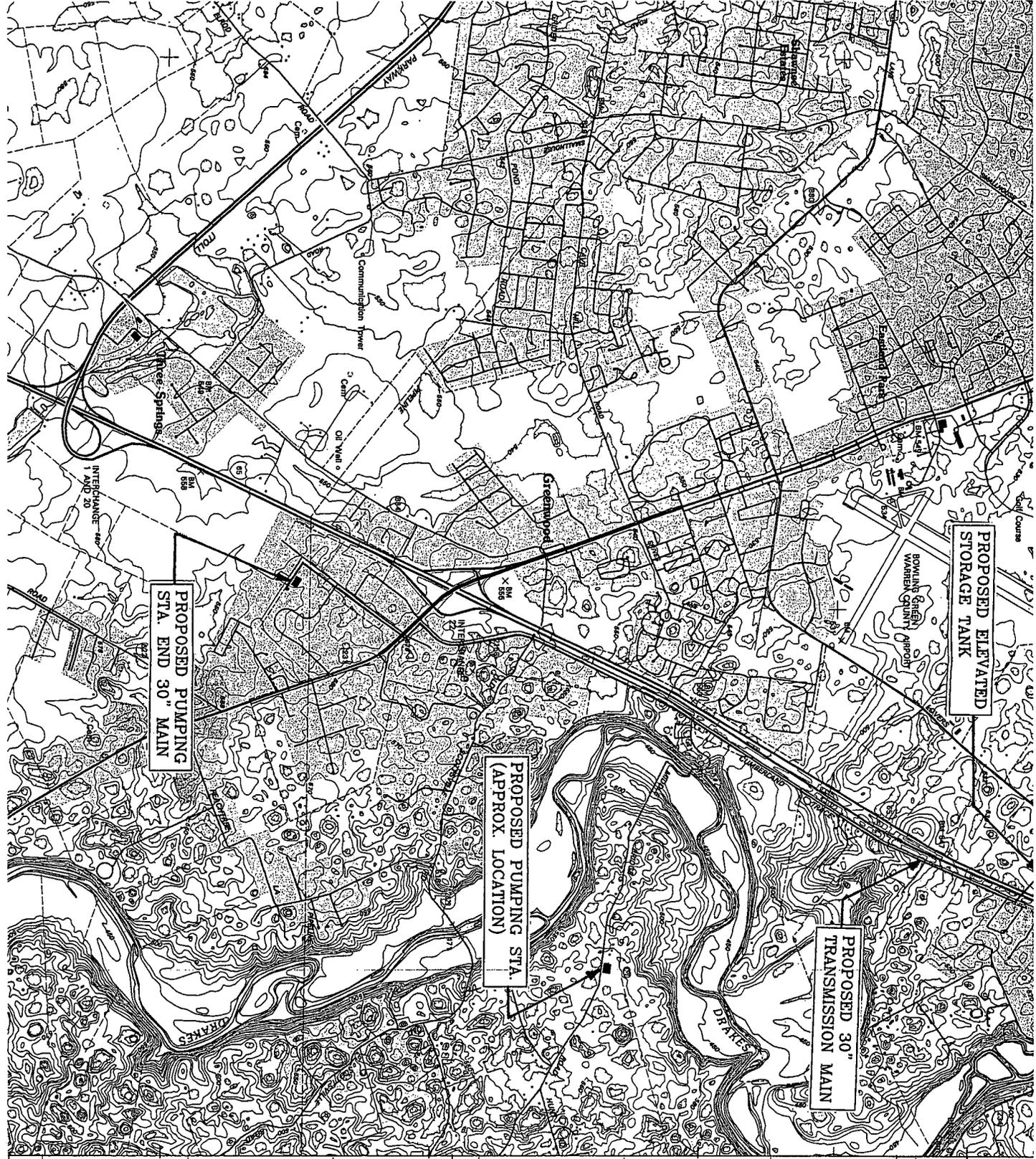
PROPOSED PUMPING
(APPROX LOCATION)

PROPOSED ELEVATED
STORAGE TANK

BOWLING GREEN
WAREHOUSE

4985 4986 4987 4988 4989 4990 4991

55° 00" 57° 30"



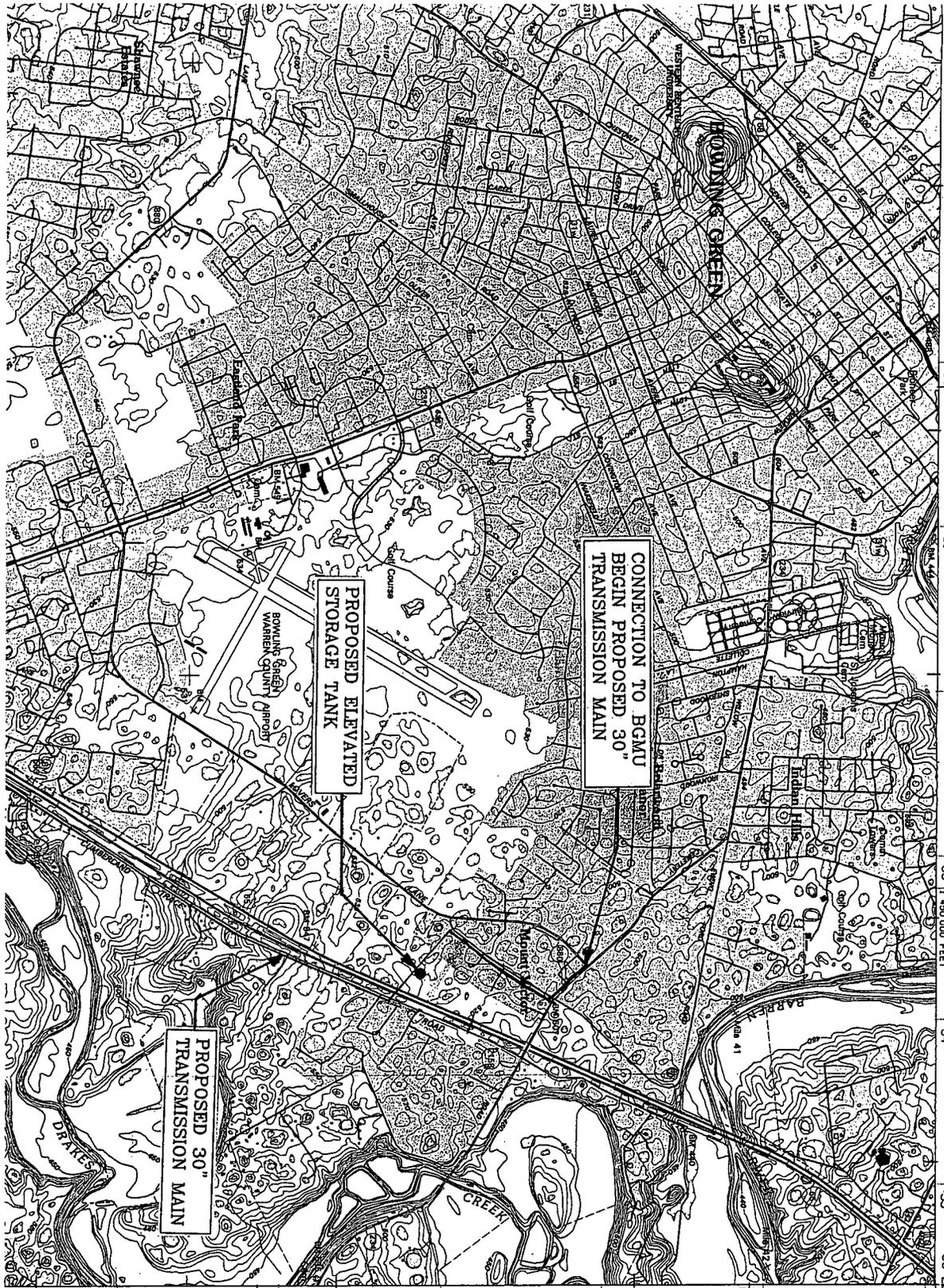
PROPOSED PUMPING STA. END 30" MAIN

PROPOSED PUMPING STA. (APPROX. LOCATION)

PROPOSED 30" TRANSMISSION MAIN

PROPOSED ELEVATED STORAGE TANK

95 00' 96 00' 97 00' 98 00' 99 00' 00 00' 01 00' 02 00'



27° 30" 49 50 51 53 54 55
25° 00" 1 880 000 FEET
1 450 000 FEET
80° 22' 30" 905
97° 00' 00" 901
902
903
904
905

BOWLING GREEN SOUTH QUADRANGLE
KENTUCKY-WARREN CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)

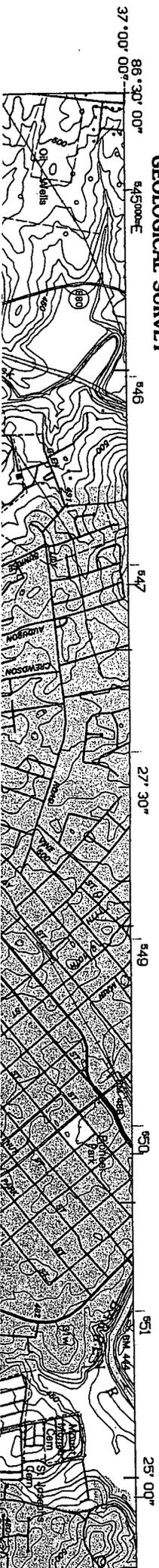
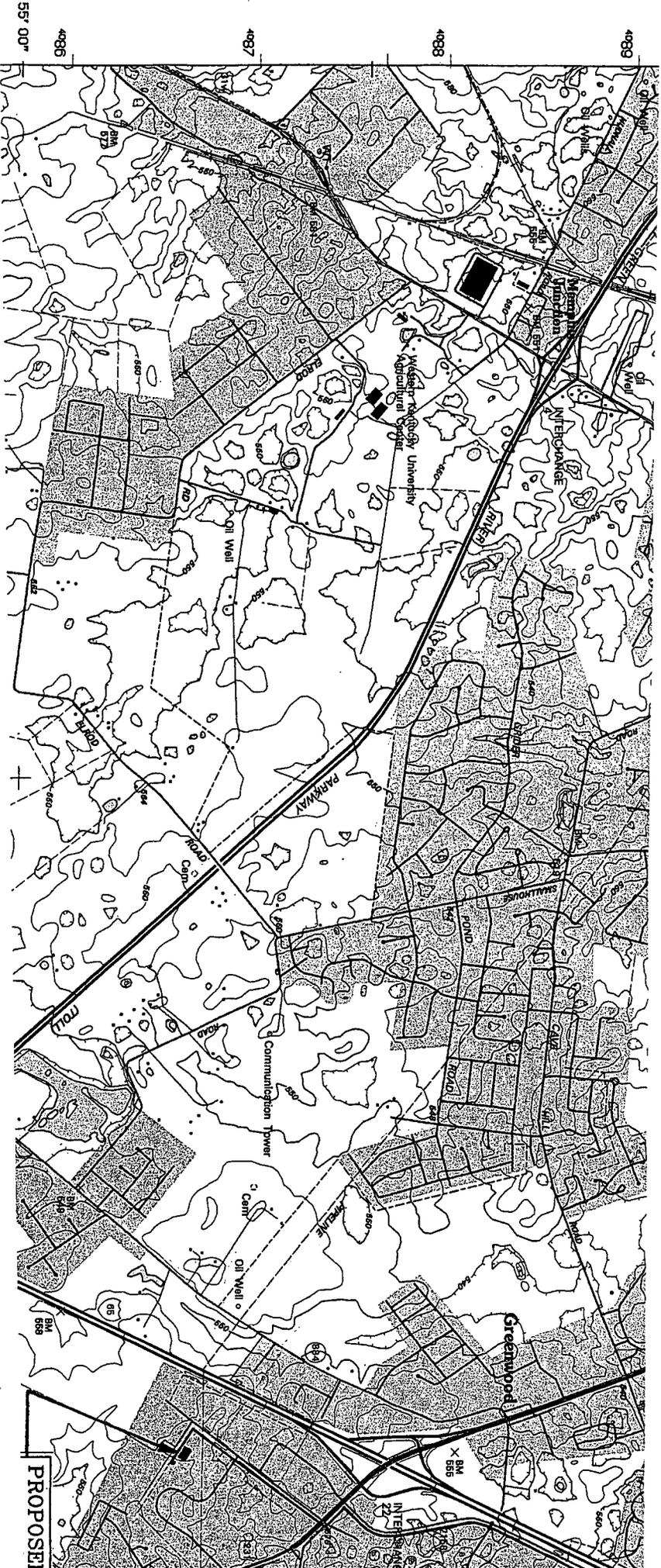
CONNECTION TO BGMU
BEGIN PROPOSED 30"
TRANSMISSION MAIN

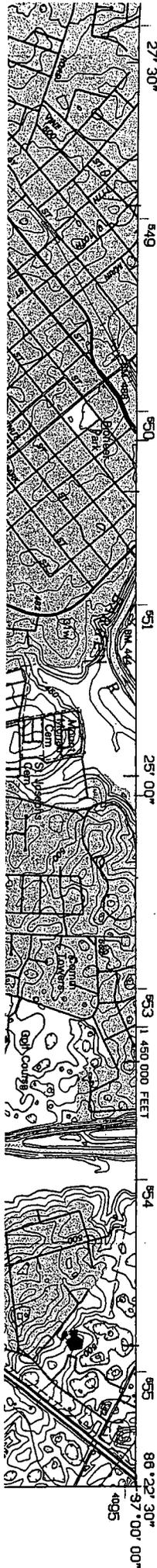
PROPOSED ELEVATED
STORAGE TANK

PROPOSED 30"
TRANSMISSION MAIN

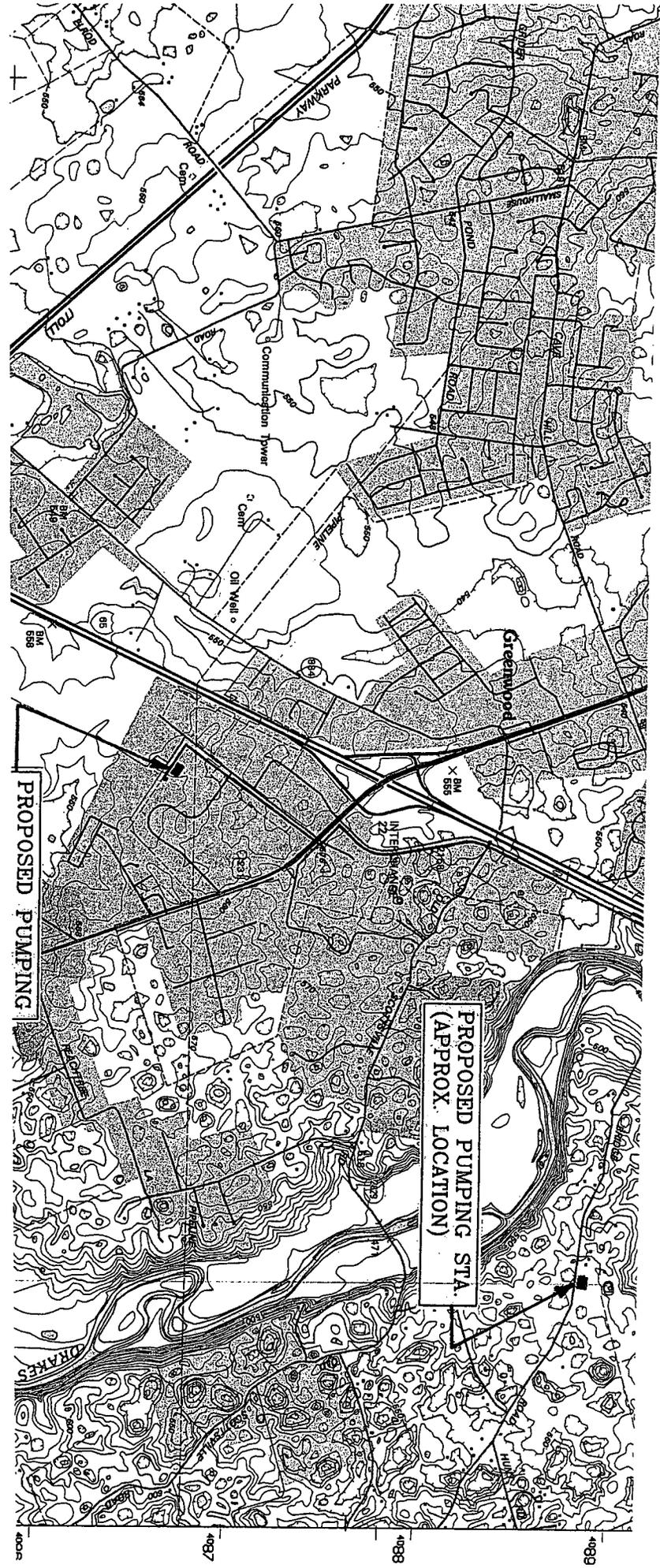
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





BOWLING GREEN SOUTH QUADRANGLE
KENTUCKY-WARREN CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)



WATER SYSTEM ADDITIONS
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

FINAL ENGINEERING REPORT
WATER SYSTEM ADDITIONS
PROJECT 16

August 11, 1999



Prepared by
Engineering Staff
Warren County Water District

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INTRODUCTION

Warren County Water District serves the area in Warren County outside the territory of Bowling Green Municipal Utilities (BGMU). Within Warren County the Water District provides service in the communities of Smiths Grove, Oakland, Plum Springs, and Woodburn. Service is also provided in adjacent portions of Allen, Butler, Edmondson and Simpson Counties.

Warren County is continuing to be one of the fastest growing counties in the Commonwealth of Kentucky. According to the State Data Center at the University of Louisville, Warren County's population increased 8.2 percent from 1980 to 1990 and is projected to increase another 8.7 percent by the year 2000. This percentage increase means that Warren County will experience one of the State's largest absolute gains in population (6,771 persons) through that period. Projections beyond 2000 include percentage increases of a similar magnitude.

Growth on the Water District's system is occurring at a rate equal to or greater than that of the county's population. In recent years, 600 to 800 customers per year have been added along existing lines. Also, expansion of the commercial and industrial base in the Water District's service area continues to increase demand on the public water supply. While this growth has been very beneficial to the Water District, the system's transmission and storage capacity must be enlarged to continue meeting the demands of these existing customers and also provide for future growth.

The Water District is under the jurisdiction of the Kentucky Public Service Commission (PSC). PSC regulations require that all water systems have storage facilities with a capacity equal to the average daily demand on the system. At the end of 1997, the Water

District's storage capacity was higher than the annual average daily consumption. However, for the Water District to continue to meet this requirement and to provide system reliability, additional storage capacity is required.

SUMMARY AND CONCLUSION

Due to extensive growth in the southern area of Warren County, the Water District and BGMU have agreed to a new connection point on Cemetery Road near Interstate 65. At this connection point, the Water District will initially purchase water to serve the southeastern area of Warren County and will eventually purchase water for the entire southern portion of the county as future transmission facilities are constructed.

At this new connection point, the Water District will begin construction of 4.5 miles of 30-inch ductile iron water line. Along the proposed 30-inch water line, a 2 million gallon elevated tank will be constructed near Interstate 65. A new pump station will be built at the south end of the proposed water line to convey water to an existing elevated storage tank and in the future to the remaining service area in southern Warren County. To serve growth in the Plano Community, a 10-inch transmission line is proposed in that area. To continue to meet supply needs in the Pleasant Hill community, a pump station is proposed along Middle Bridge Road.

The transmission system improvements and storage facilities summarized above are not financially feasible without a general rate increase. The estimated project cost for the project is \$5,650,000. The project cost will be financed by \$2,000,000 in loan funds from Rural Development (RD) and \$3,650,000 in publicly issued bonds. The interest rate on the loan funds will be based on RD's "market" rate.

Debt service and operating expenses for the proposed facilities will be covered by revenues from an increased rate to existing customers. Water rates charged to the Water District's customers must be increased an average of 8.6 percent to finance Project 16.

EXISTING SYSTEM

The existing water system currently serves approximately 17,600 customers with approximately 865 miles of transmission and distribution lines ranging in size from 2-inches to 20-inches and approximately 97 miles of service lines ranging from 3/4 inch to 2-inches. There are 25 existing pumping stations in service with a total capacity of approximately 12,190 gpm. There are 26 storage tanks scattered throughout the system with a total capacity of 7.202 million gallons.

Most of the water distributed and sold by the Water District is purchased from BGMU. BGMU's water treatment plant has a capacity of 22 MGD and has an average production of approximately 16 MGD. BGMU is currently preparing plans to upgrade the water plant capacity to 30 MGD.

PROJECT DESCRIPTION

The proposed project will begin at a new connection point to BGMU's system near the intersection of Lovers Lane and Cemetery Road. The Water District will construct a 30-inch ductile iron transmission line from this point along Cemetery Road and Old Lovers Lane to a new elevated 2 million gallon tank located on the west side of Interstate 65. This large new tank will be the primary distribution point in conveying water to all of southern Warren County. From this tank, the 30-inch ductile iron transmission line will continue across

Interstate 65 and southerly along Cumberland Trace Road to the Greenwood area. The total length of this transmission line is approximately 24,000 feet.

In the Greenwood area, a large pump station will be constructed to supply water to the existing Greenwood Tank. Two 1,800 gpm pumps will be installed in this station. This pump station will also be designed for future expansion to also convey up to 5,000 gpm into the southern service areas of Highway 31W South and Highway 68W as future transmission systems are constructed.

In the Plano community, 8,300 feet of 10-inch transmission line is proposed along Highway 622 to increase supply to this rapidly growing area. In addition a 400 gpm pump station is proposed along Middle Bridge Road to increase supply to the Pleasant Hill community. The proposed improvements described above are shown in Exhibit A.

RESULTS OF CONSTRUCTION BIDS

On August 10, 1999, Warren County Water District opened bids for the construction of Project 16. The total of the low bids for the transmission lines, pumping stations, and the elevated storage tank is \$4,321,578. This amount is below the most recent engineer's estimate and within the funds included in the final project budget.

The final project budget is included on the next page of this report. Tabulations of bids are included in Appendix A and the proposals of the low bidders as received August 10, 1999 are included in Appendix B.

FINAL PROJECT BUDGET
WATER SYSTEM ADDITIONS - PROJECT 16
 WARREN COUNTY WATER DISTRICT

PROJECT COSTS

1. Construction		
a. Contract 1	\$1,090,135	
b. Contract 2	1,393,443	
c. Contract 3	1,838,000	
		\$4,321,578
2. Engineering		
a. Design & Engr. During Construction	223,000	
b. Inspection	100,000	
		323,000
3. Administrative Expenses		29,400
4. Easement and Site Acquisition		80,000
5. Legal Costs (Rural Development)		17,900
6. Bond Issuance Costs		366,767
7. Interest During Construction		225,733
8. Contingency		285,622
TOTAL PROJECT COST		<u>\$5,650,000</u>

PROJECT FUNDING

1. RD Loan		2,000,000
2. Bond Issue		3,650,000
TOTAL FUNDING		<u>\$5,650,000</u>

PROPOSED WATER RATE

The methodology used in developing the proposed rate schedule is taken from the American Water Works Association, Manual M-1, Water Rates, Section 5, "Rate Design for Small Utilities", published by the AWWA in 1983. Basic philosophy and methodology presented in other sections of that manual are also incorporated into the rate design.

It was determined that with the additional debt service and operating expenses resulting from the proposed project, a rate increase averaging 8.6 percent is required. This increase will also allow an adequate margin for depreciation funds to be accumulated for system maintenance, minor improvements, and special programs.

As the Water District's facilities continue to age and more facilities are added, the need for expenditures on maintenance and upkeep is expected to increase. Two examples of major expenditures from depreciation funds include painting of existing tanks and maintenance and meter replacement programs. These are just two examples of the many uses of depreciation funds that are required to maintain system upkeep. Therefore, it is very important for the Water District to implement water rates that result in sufficient revenue so that these funds will be available.

The schedule of water rates recommended in conjunction with this project is shown on the following two pages. Following the rate schedule is the Proforma Adjustment, which shows the estimated revenues (which include the rate increase) and expenses for the first full year of operation after the completion of Project 16. The expenses shown include new debt service for Project 16 as taken from debt service schedules in Appendix c.

WARREN COUNTY WATER DISTRICT

PROPOSED RATE SCHEDULE

5/8 X 3/4-Inch Meter

First	2,000 Gallons	\$ 9.75 Minimum Bill
Next	8,000 Gallons	2.68 per 1,000 Gallons
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

3/4-Inch Meter

First	3,000 Gallons	\$12.68 Minimum Bill
Next	7,000 Gallons	2.68 per 1,000 Gallons
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

1-Inch Meter

First	5,000 Gallons	\$18.68 Minimum Bill
Next	5,000 Gallons	2.68 per 1,000 Gallons
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

1-1/2-Inch Meter

First	10,000 Gallons	\$35.22 Minimum Bill
Next	90,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

2-Inch Meter

First	16,000 Gallons	\$50.18 Minimum Bill
Next	84,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

3-Inch Meter

First	30,000 Gallons	\$127.19 Minimum Bill
Next	70,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

4-Inch Meter

First	50,000 Gallons	\$182.64 Minimum Bill
Next	50,000 Gallons	2.18 per 1,000 Gallons
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

6-Inch Meter

First	100,000 Gallons	\$310.30 Minimum Bill
Next	900,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

8-Inch Meter

First	160,000 Gallons	\$437.15 Minimum Bill
Next	840,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

10-Inch Meter

First	550,000 Gallons	\$1,171.46 Minimum Bill
Next	450,000 Gallons	1.80 per 1,000 Gallons
Over	1,000,000 Gallons	1.49 per 1,000 Gallons

**PROFORMA ADJUSTMENT
WATER SYSTEM ADDITIONS - PROJECT
WARREN COUNTY WATER DISTRICT**

	EXISTING SYSTEM <u>5/98-4/99</u>	CHANGES ON EXISTING SYSTEM	CHANGES DUE TO PROJECT 16	TOTAL FUTURE SYSTEM AFTER PROJECT <u>2001</u>
OPERATING REVENUE:				
METERED & OTHER				
Meter Sales Revenue	\$5,246,628	\$0	\$451,210	\$5,697,838
Forfeited Discounts	119,765	0	0	119,765
Other Meter Sales Rev.	0	0	0	0
Misc. Service Revenue	30,093	0	0	30,093
Other Water Revenue	966	0	0	966
Misc. Income-Interest	<u>159,599</u>	<u>(76,050)</u>	<u>0</u>	<u>83,549</u>
TOTAL OPERATING REVENUE	\$5,557,051	(\$76,050)	\$451,210	\$5,932,211
OPERATING EXPENSE:				
SOURCE OF SUPPLY & PUMP. EXP.				
Purchased Water	\$1,512,356	\$75,827	(\$92,846)	\$1,495,337
Purchased Water - Rate Study	2,356	0	0	2,356
Purch. Power - Pump Sta.	198,079	0	45,500	243,579
Mat'l. & Supplies and Misc.	1,682	0	187	1,869
Contr. Serv. - Audit & Legal	400	0	44	444
Contr. Serv. - Operation Labor	83,065	0	9,229	92,294
Transportation-pumping	986	0	110	1,096
Insurance - Gen. Liab. & Other	3,654	0	406	4,060
WATER TREATMENT EXPENSE				
Purchased Power	15,292	(15,292)	0	0
Chemicals	4,548	(4,548)	0	0
Material & Supplies & Misc.	1,790	(1,790)	0	0
Contractual Serv. - Audit & Legal	400	(400)	0	0
Contr. Serv. - Operation Labor	41,424	(41,424)	0	0
Transportation Expenses	566	(566)	0	0
Insurance - Gen. Liab. & Other	2,284	(2,284)	0	0
TRANSMISSION AND DISTRIBUTION				
Purch. Power - Storage Fac.	4,402	0	183	4,585
Purch. Power - Master Meters	2,430	0	286	2,716
Mat'l. & Supplies and Misc.	7,019	0	54	7,073
Contr. Serv. - Audit & Legal	400	0	0	400
Contr. Serv. - Op. & Mtr. Labor	368,018	0	2,820	370,838
Contr. Serv. - Scada	19,868	0	200	20,068
Transportation Expenses	4,342	0	33	4,375
Insurance - Gen. Liab. & Other	13,552	0	104	13,656
CUSTOMER ACCOUNTS				
Mat'l. & Supplies and Misc.	53,649	0	0	53,649
Contr. Serv. - Audit & Legal	1,476	0	0	1,476
Contr. Serv. - Meter Reading	201,538	0	0	201,538
Contr. Serv. - Customer Records	276,569	0	0	276,569
Transportation -mtr readers	2,965	0	0	2,965
Transportation-utilityman	3,141	0	0	3,141
Insurance - General Liability	1,827	0	0	1,827
Bad Debt Expense	6,500	0	0	6,500
ADMINISTRATIVE & GENERAL				
Mat'l. & Supplies and Misc.	49,541	0	0	49,541
Contr. Serv. - Audit & Legal	63,384	0	0	63,384
Contr. Serv. - Admin & Gen Sal.	82,154	0	0	82,154
Transportation-Admn	986	0	0	986
Insurance - Gen. Liab. & Other	6,697	0	0	6,697
Regulatory Commission	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL OPERATING EXPENSE	\$3,039,340	\$9,523	(\$33,690)	\$3,015,173

**PROFORMA ADJUSTMENT
WATER SYSTEM ADDITIONS - PROJECT 16
WARREN COUNTY WATER DISTRICT**

	EXISTING SYSTEM <u>5/98-4/99</u>	CHANGES ON EXISTING SYSTEM	CHANGES DUE TO PROJECT 16	TOTAL FUTURE SYSTEM AFTER PROJECT <u>2001</u>
MAINTENANCE EXPENSE:				
PUMPING				
Mat'l. & Supplies and Misc.	\$0	\$0	\$0	\$0
Contr. Serv. - Audit & Legal	400	0	0	400
Contr. Serv. - Pumping Equip.	15,732	0	44	15,776
WATER TREATMENT				
Material & Supplies and Misc.	0	0	0	0
Contr. Serv. - Audit & Legal	400	(400)	0	0
Contr. Serv. - Structures	314	(314)	0	0
Contr. Serv. - Treatment Equip.	6,116	(6,116)	0	0
TRANSMISSION & DISTRIBUTION				
Mat'l. & Supplies and Misc.	0	0	0	0
Contr. Serv. - Audit & Legal	400	0	0	400
Contr. Serv. - Standpipes	63,506	0	2,646	66,152
Contr. Serv. - Mains	127,389	0	976	128,365
Contr. Serv. - Services	84,902	0	0	84,902
Contr. Serv. - Meters	133,932	0	6,697	140,629
Contr. Serv. - Hydrants	12,144	0	0	12,144
Contr. Serv. - Misc. Plant	33	0	0	33
Contr. Serv. - Scada	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL MAINTENANCE EXPENSE	\$445,268	(\$6,830)	\$10,363	\$448,801
DEPRECIATION EXPENSE	792,548	0	113,000	905,548
TAXES:				
Regulatory Assessment Fees - PSC	8,851	0	0	8,851
Tax Expense	377	0	0	377
PRINCIPAL & INTEREST EXPENSE:				
PRINCIPAL PAYMENT - RD	30,000	8,000	18,000	56,000
INTEREST PAYMENT - RD	140,507	(7,425)	102,500	235,582
PRINCIPAL PAYMENT - Non RD	378,060	53,750	55,000	486,810
INTEREST PAYMENT - Non RD	392,092	(69,466)	197,005	519,631
CONSUMER DEPOSITS - Interest	20,265	0	0	20,265
UNAMORTIZED DEBT EXPENSE	58,833	0	0	58,833
MISC. NONUTILITY EXPENSES	<u>4</u>	<u>0</u>	<u>0</u>	<u>4</u>
TOTAL OPERATING & MAINTENANCE EXPENSE AND OTHER	<u>\$5,306,145</u>	<u>(\$12,448)</u>	<u>\$462,177</u>	<u>\$5,755,875</u>
NET UTILITY OPERATING INCOME	<u>\$250,906</u>	<u>(\$63,602)</u>	<u>(\$10,967)</u>	<u>\$176,336</u>

APPENDIX A
TABULATION OF BIDS

TABULATION OF BIDS
WATER SYSTEM ADDITIONS - PROJECT 16a
WARREN COUNTY WATER DISTRICT
AUGUST 10, 1999

ITEM NO.	DESCRIPTION	QTY	UNIT	W. L. Hailey & Co.		Reynolds, Inc.		Scott & Ritter	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
CONTRACT 1:									
1.	6" x 6" Tapping Sleeve & Valve (CIP)	3	EA	\$4,000.00	\$12,000.00	\$1,400.00	\$4,200.00	\$1,500.00	\$4,500.00
2.	30" Butterfly Valve	6	EA	6,500.00	39,000.00	6,060.00	36,360.00	6,400.00	38,400.00
3.	24" Butterfly Valve	1	EA	3,500.00	3,500.00	3,490.00	3,490.00	3,300.00	3,300.00
4.	14" Blowoff Assembly	1	EA	5,000.00	5,000.00	5,240.00	5,240.00	4,330.00	4,330.00
5.	6" Blowoff Assembly	1	EA	2,000.00	2,000.00	1,000.00	1,000.00	845.00	845.00
6.	Ductile Iron Fittings	27,000	LB	2.00	54,000.00	1.90	51,300.00	1.55	41,850.00
7.	42" Stl. Casing by O.C. w/30" DIP Carrier (Streets)	178	LF	200.00	35,600.00	253.00	45,034.00	224.00	39,872.00
8.	42" Stl. Casing by O.C. w/30" DIP Carrier (I-65)	105	LF	200.00	21,000.00	253.00	26,565.00	250.00	26,250.00
9.	I-65 Crossing by Bore or Tunnel	1	LS	65,000.00	65,000.00	59,230.00	59,230.00	77,000.00	77,000.00
10.	12" Stl. Casing by Bore w/ 8" PVC Carrier	42	LF	100.00	4,200.00	100.00	4,200.00	115.00	4,830.00
11.	Auto Air Release Station	7	EA	2,000.00	14,000.00	1,300.00	9,100.00	1,300.00	9,100.00
12.	Crushed Stone	4,500	LF	12.00	54,000.00	13.85	62,325.00	10.25	46,125.00
13.	Concrete	50	CY	150.00	7,500.00	120.00	6,000.00	135.00	6,750.00
14.	Asphalt Pavement	75	T	85.00	6,375.00	177.00	13,275.00	80.00	6,000.00
15.	Middle Bridge Pumping Station	1	LS	80,000.00	80,000.00	73,400.00	73,400.00	66,000.00	66,000.00
16.	30" DIP Water Line	11,900	LF	52.00	618,800.00	55.80	664,020.00	58.50	696,150.00
17.	30" DIP Water Line w/ Restrained Joints	680	LF	77.00	52,360.00	80.80	54,944.00	90.00	61,200.00
18.	8" Class 200 PVC Water Line	60	LF	30.00	1,800.00	19.00	1,140.00	18.00	1,080.00
19.	6" Class 200 Pvc Water Line	40	LF	33.00	1,320.00	17.00	680.00	18.00	720.00
20.	Final Cleanup	12,680	LF	1.00	12,680.00	1.00	12,680.00	1.00	12,680.00
TOTAL BID-CONTRACT 1					<u>\$1,090,135.00</u>		<u>\$1,134,183.00</u>		<u>\$1,146,982.00</u>
CONTRACT 2:									
1.	8"x 8" Tapping Sleeve & Valve (PVC)	1	EA	\$5,000.00	\$5,000.00	\$1,600.00	\$1,600.00	\$1,670.00	\$1,670.00
2.	4"x 4" Tapping Sleeve & Valve (PVC)	2	EA	3,500.00	7,000.00	1,200.00	2,400.00	1,100.00	2,200.00
3.	30" Butterfly Valve	2	EA	6,500.00	13,000.00	6,060.00	12,120.00	6,400.00	12,800.00
4.	10" Gate Valve	5	EA	1,200.00	6,000.00	950.00	4,750.00	860.00	4,300.00
5.	6" Blowoff Assembly	1	EA	2,000.00	2,000.00	1,000.00	1,000.00	750.00	750.00
6.	4" Blowoff Assembly	2	EA	1,500.00	3,000.00	670.00	1,340.00	660.00	1,320.00
7.	Ductile Iron Fittings	17,800	LB	2.00	35,600.00	1.75	31,150.00	1.70	30,260.00
8.	42" Stl. Casing by Bore w/ 30" DIP Carrier	100	LF	385.00	38,500.00	325.00	32,500.00	420.00	42,000.00
9.	42" Stl. Casing by O.C. w/ 30" DIP Carrier	180	LF	200.00	36,000.00	253.00	45,540.00	220.00	39,600.00
10.	14" Stl. Casing by Bore w/ 10" PVC Carrier	160	LF	100.00	16,000.00	125.00	20,000.00	120.00	19,200.00
11.	Auto Air Release Station	10	EA	2,000.00	20,000.00	1,300.00	13,000.00	1,275.00	12,750.00
12.	Crushed Stone	4,500	T	12.00	54,000.00	13.85	62,325.00	10.25	46,125.00
13.	Concrete	40	CY	150.00	6,000.00	120.00	4,800.00	135.00	5,400.00
14.	Asphalt Pavement	270	T	85.00	22,950.00	165.00	44,550.00	80.00	21,600.00
15.	Greenwood Lane Pumping Station	1	LS	307,000.00	307,000.00	367,000.00	367,000.00	349,000.00	349,000.00
16.	30" DIP Water Line	10,920	LF	52.00	567,840.00	52.70	575,484.00	61.00	666,120.00
17.	30" DIP Water Line w/ Restrained Joints	440	LF	77.00	33,880.00	77.60	34,144.00	74.00	32,560.00
18.	10" Class 200 PVC Water Line	8,300	LF	35.00	290,500.00	14.40	119,520.00	11.00	91,300.00
19.	8" Class 200 PVC Water Line	40	LF	25.00	1,000.00	13.00	520.00	25.00	1,000.00
20.	Final Cleanup	19,700	LF	1.00	19,700.00	1.00	19,700.00	1.00	19,700.00
TOTAL BID-CONTRACT 2					<u>\$1,484,970.00</u>		<u>\$1,393,443.00</u>		<u>\$1,399,655.00</u>
TOTAL INITIAL BID-CONTRACTS 1 & 2					2,575,105.00		2,527,626.00		2,546,637.00
DEDUCT IF BOTH CONTRACTS AWARDED					29,000.00		11,000.00		10,000.00
TOTAL COMBINED BID CONTRACTS 1 & 2					<u>\$2,546,105.00</u>		<u>\$2,516,626.00</u>		<u>\$2,536,637.00</u>

TABULATION OF BIDS - CONTINUED:

ITEM NO.	DESCRIPTION	QTY	UNIT	Bolden Pipe Construction		Peters Contracting, Inc.		Cleary Construction, Inc.	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
CONTRACT 1:									
1.	6" x 6" Tapping Sleeve & Valve (CIP)	3	EA	\$1,645.00	\$4,935.00	\$1,430.00	\$4,290.00	\$1,300.00	\$3,900.00
2.	30" Butterfly Valve	6	EA	7,410.00	44,460.00	6,345.00	38,070.00	5,800.00	34,800.00
3.	24" Butterfly Valve	1	EA	4,040.00	4,040.00	3,045.00	3,045.00	2,875.00	2,875.00
4.	14" Blowoff Assembly	1	EA	4,150.00	4,150.00	4,015.00	4,015.00	3,400.00	3,400.00
5.	6" Blowoff Assembly	1	EA	870.00	870.00	925.00	925.00	650.00	650.00
6.	Ductile Iron Fittings	27,000	LB	1.95	52,650.00	1.92	51,840.00	1.70	45,900.00
7.	42" Stl. Casing by O.C. w/30" DIP Carrier (Streets)	178	LF	210.00	37,380.00	228.00	40,584.00	200.00	35,600.00
8.	42" Stl. Casing by O.C. w/30" DIP Carrier (I-65)	105	LF	210.00	22,050.00	167.00	17,535.00	190.00	19,950.00
9.	1-65 Crossing by Bore or Tunnel	1	LS	54,350.00	54,350.00	64,435.00	64,435.00	81,000.00	81,000.00
10.	12" Stl. Casing by Bore w/ 8" PVC Carrier	42	LF	110.00	4,620.00	103.00	4,326.00	85.00	3,570.00
11.	Auto Air Release Station	7	EA	2,000.00	14,000.00	1,400.00	9,800.00	1,255.00	8,785.00
12.	Crushed Stone	4,500	LF	11.70	52,650.00	13.20	59,400.00	10.00	45,000.00
13.	Concrete	50	CY	100.00	5,000.00	111.00	5,550.00	85.00	4,250.00
14.	Asphalt Pavement	75	T	107.00	8,025.00	111.00	8,325.00	150.00	11,250.00
15.	Middle Bridge Pumping Station	1	LS	92,880.00	92,880.00	77,400.00	77,400.00	79,000.00	79,000.00
16.	30" DIP Water Line	11,900	LF	60.30	717,570.00	61.60	733,040.00	63.00	749,700.00
17.	30" DIP Water Line w/ Restrained Joints	680	LF	81.10	55,148.00	82.80	56,304.00	95.00	64,600.00
18.	8" Class 200 PVC Water Line	60	LF	9.55	573.00	26.00	1,560.00	15.00	900.00
19.	6" Class 200 Pvc Water Line	40	LF	7.80	312.00	24.00	960.00	12.50	500.00
20.	Final Cleanup	12,680	LF	1.00	12,680.00	1.00	12,680.00	1.00	12,680.00
TOTAL BID-CONTRACT 1					<u>\$1,188,343.00</u>		<u>\$1,194,084.00</u>		<u>\$1,208,310.00</u>
CONTRACT 2:									
1.	8"x 8" Tapping Sleeve & Valve (PVC)	1	EA	\$1,850.00	\$1,850.00	\$2,065.00	\$2,065.00	\$1,300.00	\$1,300.00
2.	4"x 4" Tapping Sleeve & Valve (PVC)	2	EA	1,300.00	2,600.00	1,110.00	2,220.00	800.00	1,600.00
3.	30" Butterfly Valve	2	EA	7,410.00	14,820.00	6,365.00	12,730.00	5,800.00	11,600.00
4.	10" Gate Valve	5	EA	1,070.00	5,350.00	955.00	4,775.00	895.00	4,475.00
5.	6" Blowoff Assembly	1	EA	870.00	870.00	890.00	890.00	650.00	650.00
6.	4" Blowoff Assembly	2	EA	775.00	1,550.00	700.00	1,400.00	550.00	1,100.00
7.	Ductile Iron Fittings	17,800	LB	1.95	34,710.00	1.75	31,150.00	1.70	30,260.00
8.	42" Stl. Casing by Bore w/ 30" DIP Carrier	100	LF	410.00	41,000.00	438.00	43,800.00	450.00	45,000.00
9.	42" Stl. Casing by O.C. w/ 30" DIP Carrier	180	LF	210.00	37,800.00	235.00	42,300.00	200.00	36,000.00
10.	14" Stl. Casing by Bore w/ 10" PVC Carrier	160	LF	115.00	18,400.00	122.00	19,520.00	105.00	16,800.00
11.	Auto Air Release Station	10	EA	2,000.00	20,000.00	1,400.00	14,000.00	1,255.00	12,550.00
12.	Crushed Stone	4,500	T	11.70	52,650.00	13.20	59,400.00	10.00	45,000.00
13.	Concrete	40	CY	100.00	4,000.00	111.00	4,440.00	85.00	3,400.00
14.	Asphalt Pavement	270	T	107.00	28,890.00	111.00	29,970.00	125.00	33,750.00
15.	Greenwood Lane Pumping Station	1	LS	377,900.00	377,900.00	332,000.00	332,000.00	350,000.00	350,000.00
16.	30" DIP Water Line	10,920	LF	57.40	626,808.00	58.50	638,820.00	61.00	666,120.00
17.	30" DIP Water Line w/ Restrained Joints	440	LF	78.20	34,408.00	80.00	35,200.00	85.00	37,400.00
18.	10" Class 200 PVC Water Line	8,300	LF	16.35	135,705.00	16.95	140,685.00	11.25	93,375.00
19.	8" Class 200 PVC Water Line	40	LF	6.55	262.00	20.00	800.00	12.00	480.00
20.	Final Cleanup	19,700	LF	1.00	19,700.00	1.00	19,700.00	1.00	19,700.00
TOTAL BID-CONTRACT 2					<u>\$1,459,273.00</u>		<u>\$1,435,865.00</u>		<u>\$1,410,560.00</u>
TOTAL INITIAL BID-CONTRACTS 1 & 2					2,647,616.00		2,629,949.00		2,618,870.00
DEDUCT IF BOTH CONTRACTS AWARDED					0.00		54,000.00		20,000.00
TOTAL COMBINED BID CONTRACTS 1 & 2					<u>\$2,647,616.00</u>		<u>\$2,575,949.00</u>		<u>\$2,598,870.00</u>

TABULATION OF BIDS - CONTINUED:

ITEM NO.	DESCRIPTION	QTY	UNIT	Jim Skaggs, Inc.		Garrison Construction Co.		HP Contracting, Inc.	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
CONTRACT 1:									
1.	6" x 6" Tapping Sleeve & Valve (CIP)	3	EA	\$1,700.00	\$5,100.00	\$1,500.00	\$4,500.00	\$1,400.00	\$4,200.00
2.	30" Butterfly Valve	6	EA	6,800.00	40,800.00	6,200.00	37,200.00	7,650.00	45,900.00
3.	24" Butterfly Valve	1	EA	3,800.00	3,800.00	3,100.00	3,100.00	3,500.00	3,500.00
4.	14" Blowoff Assembly	1	EA	4,000.00	4,000.00	3,800.00	3,800.00	4,400.00	4,400.00
5.	6" Blowoff Assembly	1	EA	1,000.00	1,000.00	680.00	680.00	850.00	850.00
6.	Ductile Iron Fittings	27,000	LB	2.20	59,400.00	1.95	52,650.00	2.50	67,500.00
7.	42" Stl. Casing by O.C. w/30" DIP Carrier (Streets)	178	LF	220.00	39,160.00	220.00	39,160.00	265.00	47,170.00
8.	42" Stl. Casing by O.C. w/30" DIP Carrier (I-65)	105	LF	220.00	23,100.00	250.00	26,250.00	320.00	33,600.00
9.	I-65 Crossing by Bore or Tunnel	1	LS	81,000.00	81,000.00	136,000.00	136,000.00	105,000.00	105,000.00
10.	12" Stl. Casing by Bore w/ 8" PVC Carrier	42	LF	100.00	4,200.00	112.00	4,704.00	175.00	7,350.00
11.	Auto Air Release Station	7	EA	2,000.00	14,000.00	2,200.00	15,400.00	1,200.00	8,400.00
12.	Crushed Stone	4,500	LF	9.00	40,500.00	12.00	54,000.00	14.00	63,000.00
13.	Concrete	50	CY	120.00	6,000.00	110.00	5,500.00	135.00	6,750.00
14.	Asphalt Pavement	75	T	100.00	7,500.00	55.00	4,125.00	105.00	7,875.00
15.	Middle Bridge Pumping Station	1	LS	85,000.00	85,000.00	61,000.00	61,000.00	86,000.00	86,000.00
16.	30" DIP Water Line	11,900	LF	62.00	737,800.00	67.00	797,300.00	67.50	803,250.00
17.	30" DIP Water Line w/ Restrained Joints	680	LF	94.00	63,920.00	84.50	57,460.00	105.00	71,400.00
18.	8" Class 200 PVC Water Line	60	LF	50.00	3,000.00	22.00	1,320.00	20.50	1,230.00
19.	6" Class 200 Pvc Water Line	40	LF	50.00	2,000.00	20.00	800.00	20.00	800.00
20.	Final Cleanup	12,680	LF	1.00	12,680.00	1.00	12,680.00	1.00	12,680.00
TOTAL BID-CONTRACT 1					<u>\$1,233,960.00</u>		<u>\$1,317,629.00</u>		<u>\$1,380,855.00</u>
CONTRACT 2:									
1.	8"x 8" Tapping Sleeve & Valve (PVC)	1	EA	\$2,000.00	\$2,000.00			\$1,750.00	\$1,750.00
2.	4"x 4" Tapping Sleeve & Valve (PVC)	2	EA	1,200.00	2,400.00			1,150.00	2,300.00
3.	30" Butterfly Valve	2	EA	6,800.00	13,600.00			7,650.00	15,300.00
4.	10" Gate Valve	5	EA	900.00	4,500.00			1,050.00	5,250.00
5.	6" Blowoff Assembly	1	EA	1,000.00	1,000.00			850.00	850.00
6.	4" Blowoff Assembly	2	EA	800.00	1,600.00			750.00	1,500.00
7.	Ductile Iron Fittings	17,800	LB	2.20	39,160.00			2.50	44,500.00
8.	42" Stl. Casing by Bore w/ 30" DIP Carrier	100	LF	450.00	45,000.00			585.00	58,500.00
9.	42" Stl. Casing by O.C. w/ 30" DIP Carrier	180	LF	220.00	39,600.00			270.00	48,600.00
10.	14" Stl. Casing by Bore w/ 10" PVC Carrier	160	LF	130.00	20,800.00			190.00	30,400.00
11.	Auto Air Release Station	10	EA	2,000.00	20,000.00			1,200.00	12,000.00
12.	Crushed Stone	4,500	T	9.00	40,500.00			14.00	63,000.00
13.	Concrete	40	CY	120.00	4,800.00			135.00	5,400.00
14.	Asphalt Pavement	270	T	80.00	21,600.00			105.00	28,350.00
15.	Greenwood Lane Pumping Station	1	LS	420,000.00	420,000.00			410,000.00	410,000.00
16.	30" DIP Water Line	10,920	LF	63.00	687,960.00			72.00	786,240.00
17.	30" DIP Water Line w/ Restrained Joints	440	LF	94.00	41,360.00			105.00	46,200.00
18.	10" Class 200 PVC Water Line	8,300	LF	10.00	83,000.00			17.50	145,250.00
19.	8" Class 200 PVC Water Line	40	LF	20.00	800.00			16.50	660.00
20.	Final Cleanup	19,700	LF	1.00	19,700.00			1.00	19,700.00
TOTAL BID-CONTRACT 2					<u>\$1,509,380.00</u>		NO BID		<u>\$1,725,750.00</u>
TOTAL INITIAL BID-CONTRACTS 1 & 2					2,743,340.00		N/A		3,106,605.00
DEDUCT IF BOTH CONTRACTS AWARDED					4,000.00		NO BID		5,000.00
TOTAL COMBINED BID CONTRACTS 1 & 2					<u>\$2,739,340.00</u>		N/A		<u>\$3,101,605.00</u>

TABULATION OF BIDS - CONTINUED:

ITEM NO.	DESCRIPTION	QTY	UNIT	Laurel Construction Co.		Gadcon, Inc.		Yates Brothers, Inc.	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
CONTRACT 1:									
1.	6" x 6" Tapping Sleeve & Valve (CIP)	3	EA	\$1,500.00	\$4,500.00	\$1,479.00	\$4,437.00	\$1,500.00	\$4,500.00
2.	30" Butterfly Valve	6	EA	7,000.00	42,000.00	7,687.00	46,122.00	6,500.00	39,000.00
3.	24" Butterfly Valve	1	EA	5,000.00	5,000.00	4,369.00	4,369.00	4,000.00	4,000.00
4.	14" Blowoff Assembly	1	EA	4,000.00	4,000.00	4,432.00	4,432.00	5,000.00	5,000.00
5.	6" Blowoff Assembly	1	EA	1,500.00	1,500.00	1,166.00	1,166.00	1,000.00	1,000.00
6.	Ductile Iron Fittings	27,000	LB	2.00	54,000.00	2.20	59,400.00	2.25	60,750.00
7.	42" Stl. Casing by O.C. w/30" DIP Carrier (Streets)	178	LF	170.00	30,260.00	340.40	60,591.20	250.00	44,500.00
8.	42" Stl. Casing by O.C. w/30" DIP Carrier (I-65)	105	LF	170.00	17,850.00	325.20	34,146.00	250.00	26,250.00
9.	I-65 Crossing by Bore or Tunnel	1	LS	98,000.00	98,000.00	92,736.00	92,736.00	150,000.00	150,000.00
10.	12" Stl. Casing by Bore w/ 8" PVC Carrier	42	LF	60.00	2,520.00	123.00	5,166.00	125.00	5,250.00
11.	Auto Air Release Station	7	EA	500.00	3,500.00	2,119.40	14,835.80	1,500.00	10,500.00
12.	Crushed Stone	4,500	LF	10.00	45,000.00	10.50	47,250.00	14.00	63,000.00
13.	Concrete	50	CY	140.00	7,000.00	110.00	5,500.00	150.00	7,500.00
14.	Asphalt Pavement	75	T	70.00	5,250.00	111.00	8,325.00	100.00	7,500.00
15.	Middle Bridge Pumping Station	1	LS	67,000.00	67,000.00	90,245.00	90,245.00	90,000.00	90,000.00
16.	30" DIP Water Line	11,900	LF	77.00	916,300.00	70.15	834,785.00	66.50	791,350.00
17.	30" DIP Water Line w/ Restrained Joints	680	LF	99.00	67,320.00	95.95	65,246.00	105.00	71,400.00
18.	8" Class 200 PVC Water Line	60	LF	12.00	720.00	39.40	2,364.00	25.00	1,500.00
19.	6" Class 200 Pvc Water Line	40	LF	10.00	400.00	55.00	2,200.00	22.00	880.00
20.	Final Cleanup	12,680	LF	1.00	12,680.00	1.00	12,680.00	1.00	12,680.00
TOTAL BID-CONTRACT 1					<u>\$1,384,800.00</u>		<u>\$1,395,996.00</u>		<u>\$1,396,560.00</u>
CONTRACT 2:									
1.	8"x 8" Tapping Sleeve & Valve (PVC)	1	EA	\$1,600.00	\$1,600.00	\$1,723.70	\$1,723.70		
2.	4"x 4" Tapping Sleeve & Valve (PVC)	2	EA	1,500.00	3,000.00	1,278.50	2,557.00		
3.	30" Butterfly Valve	2	EA	7,000.00	14,000.00	7,687.00	15,374.00		
4.	10" Gate Valve	5	EA	900.00	4,500.00	1,511.50	7,557.50		
5.	6" Blowoff Assembly	1	EA	1,500.00	1,500.00	1,166.00	1,166.00		
6.	4" Blowoff Assembly	2	EA	1,000.00	2,000.00	1,083.90	2,167.80		
7.	Ductile Iron Fittings	17,800	LB	2.00	35,600.00	2.20	39,160.00		
8.	42" Stl. Casing by Bore w/ 30" DIP Carrier	100	LF	350.00	35,000.00	340.45	34,045.00		
9.	42" Stl. Casing by O.C. w/ 30" DIP Carrier	180	LF	170.00	30,600.00	331.90	59,742.00		
10.	14" Stl. Casing by Bore w/ 10" PVC Carrier	160	LF	50.00	8,000.00	137.60	22,016.00		
11.	Auto Air Release Station	10	EA	500.00	5,000.00	2,119.40	21,194.00		
12.	Crushed Stone	4,500	T	10.00	45,000.00	10.50	47,250.00		
13.	Concrete	40	CY	140.00	5,600.00	110.00	4,400.00		
14.	Asphalt Pavement	270	T	70.00	18,900.00	111.00	29,970.00		
15.	Greenwood Lane Pumping Station	1	LS	320,000.00	320,000.00	387,777.00	387,777.00		
16.	30" DIP Water Line	10,920	LF	72.00	786,240.00	70.15	766,038.00		
17.	30" DIP Water Line w/ Restrained Joints	440	LF	99.00	43,560.00	95.95	42,218.00		
18.	10" Class 200 PVC Water Line	8,300	LF	12.00	99,600.00	12.75	105,825.00		
19.	8" Class 200 PVC Water Line	40	LF	8.00	320.00	10.00	400.00		
20.	Final Cleanup	19,700	LF	1.00	19,700.00	1.00	19,700.00		
TOTAL BID-CONTRACT 2					<u>\$1,479,720.00</u>		<u>\$1,610,281.00</u>		NO BID
TOTAL INITIAL BID-CONTRACTS 1 & 2					2,864,520.00		3,006,277.00		N/A
DEDUCT IF BOTH CONTRACTS AWARDED					20,000.00		0.00		NO BID
TOTAL COMBINED BID CONTRACTS 1 & 2					<u>\$2,844,520.00</u>		<u>\$3,006,277.00</u>		N/A

TABULATION OF BIDS - CONTINUED:

ITEM NO.	DESCRIPTION	QTY	UNIT	Holley Brothers Const. Co.		Charles Contracting Co.		Environmental Const.	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
CONTRACT 1:									
1.	6" x 6" Tapping Sleeve & Valve (CIP)	3	EA	\$2,000.00	\$6,000.00	\$1,600.00	\$4,800.00	\$1,360.00	\$4,080.00
2.	30" Butterfly Valve	6	EA	6,800.00	40,800.00	6,000.00	36,000.00	7,700.00	46,200.00
3.	24" Butterfly Valve	1	EA	4,300.00	4,300.00	3,500.00	3,500.00	3,500.00	3,500.00
4.	14" Blowoff Assembly	1	EA	4,500.00	4,500.00	4,000.00	4,000.00	5,500.00	5,500.00
5.	6" Blowoff Assembly	1	EA	1,000.00	1,000.00	1,000.00	1,000.00	1,400.00	1,400.00
6.	Ductile Iron Fittings	27,000	LB	2.00	54,000.00	4.10	110,700.00	3.00	81,000.00
7.	42" Stl. Casing by O.C. w/30" DIP Carrier (Streets)	178	LF	300.00	53,400.00	225.00	40,050.00	210.00	37,380.00
8.	42" Stl. Casing by O.C. w/30" DIP Carrier (I-65)	105	LF	300.00	31,500.00	225.00	23,625.00	210.00	22,050.00
9.	I-65 Crossing by Bore or Tunnel	1	LS	90,000.00	90,000.00	108,000.00	108,000.00	110,520.00	110,520.00
10.	12" Stl. Casing by Bore w/ 8" PVC Carrier	42	LF	100.00	4,200.00	115.00	4,830.00	220.00	9,240.00
11.	Auto Air Release Station	7	EA	2,500.00	17,500.00	1,500.00	10,500.00	2,500.00	17,500.00
12.	Crushed Stone	4,500	LF	14.00	63,000.00	10.00	45,000.00	14.00	63,000.00
13.	Concrete	50	CY	200.00	10,000.00	100.00	5,000.00	150.00	7,500.00
14.	Asphalt Pavement	75	T	100.00	7,500.00	60.00	4,500.00	75.00	5,625.00
15.	Middle Bridge Pumping Station	1	LS	80,000.00	80,000.00	75,000.00	75,000.00	95,000.00	95,000.00
16.	30" DIP Water Line	11,900	LF	84.00	999,600.00	92.00	1,094,800.00	88.00	1,047,200.00
17.	30" DIP Water Line w/ Restrained Joints	680	LF	100.00	68,000.00	100.00	68,000.00	123.00	83,640.00
18.	8" Class 200 PVC Water Line	60	LF	20.00	1,200.00	12.00	720.00	20.00	1,200.00
19.	6" Class 200 Pvc Water Line	40	LF	20.00	800.00	10.00	400.00	15.00	600.00
20.	Final Cleanup	12,680	LF	1.00	12,680.00	1.00	12,680.00	1.00	12,680.00
TOTAL BID-CONTRACT 1					<u>\$1,549,980.00</u>		<u>\$1,653,105.00</u>		<u>\$1,654,815.00</u>
CONTRACT 2:									
1.	8"x 8" Tapping Sleeve & Valve (PVC)	1	EA	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$1,700.00	\$1,700.00
2.	4"x 4" Tapping Sleeve & Valve (PVC)	2	EA	2,000.00	4,000.00	1,000.00	2,000.00	1,150.00	2,300.00
3.	30" Butterfly Valve	2	EA	6,800.00	13,600.00	6,000.00	12,000.00	7,700.00	15,400.00
4.	10" Gate Valve	5	EA	900.00	4,500.00	1,000.00	5,000.00	1,100.00	5,500.00
5.	6" Blowoff Assembly	1	EA	1,000.00	1,000.00	1,000.00	1,000.00	1,400.00	1,400.00
6.	4" Blowoff Assembly	2	EA	800.00	1,600.00	600.00	1,200.00	1,000.00	2,000.00
7.	Ductile Iron Fittings	17,800	LB	2.00	35,600.00	4.10	72,980.00	3.00	53,400.00
8.	42" Stl. Casing by Bore w/ 30" DIP Carrier	100	LF	400.00	40,000.00	600.00	60,000.00	614.00	61,400.00
9.	42" Stl. Casing by O.C. w/ 30" DIP Carrier	180	LF	300.00	54,000.00	150.00	27,000.00	210.00	37,800.00
10.	14" Stl. Casing by Bore w/ 10" PVC Carrier	160	LF	100.00	16,000.00	120.00	19,200.00	260.00	41,600.00
11.	Auto Air Release Station	10	EA	2,500.00	25,000.00	1,500.00	15,000.00	2,500.00	25,000.00
12.	Crushed Stone	4,500	T	14.00	63,000.00	10.00	45,000.00	14.00	63,000.00
13.	Concrete	40	CY	200.00	8,000.00	100.00	4,000.00	150.00	6,000.00
14.	Asphalt Pavement	270	T	80.00	21,600.00	60.00	16,200.00	75.00	20,250.00
15.	Greenwood Lane Pumping Station	1	LS	250,000.00	250,000.00	360,000.00	360,000.00	391,578.00	391,578.00
16.	30" DIP Water Line	10,920	LF	84.00	917,280.00	88.50	966,420.00	88.00	960,960.00
17.	30" DIP Water Line w/ Restrained Joints	440	LF	100.00	44,000.00	100.00	44,000.00	123.00	54,120.00
18.	10" Class 200 PVC Water Line	8,300	LF	18.00	149,400.00	14.00	116,200.00	15.00	124,500.00
19.	8" Class 200 PVC Water Line	40	LF	20.00	800.00	8.00	320.00	20.00	800.00
20.	Final Cleanup	19,700	LF	1.00	19,700.00	1.00	19,700.00	1.00	19,700.00
TOTAL BID-CONTRACT 2					<u>\$1,671,580.00</u>		<u>\$1,789,220.00</u>		<u>\$1,888,408.00</u>
TOTAL INITIAL BID-CONTRACTS 1 & 2					3,221,560.00		3,442,325.00		3,543,223.00
DEDUCT IF BOTH CONTRACTS AWARDED					161,078.00		10,000.00		50,000.00
TOTAL COMBINED BID CONTRACTS 1 & 2					<u>\$3,060,482.00</u>		<u>\$3,432,325.00</u>		<u>\$3,493,223.00</u>

TABULATION OF BIDS - CONTINUED:

ITEM NO.	DESCRIPTION	QTY	UNIT	Garrison & Mitchum	
				Unit Price	Total
CONTRACT 1:					
1.	6" x 6" Tapping Sleeve & Valve (CIP)	3	EA		
2.	30" Butterfly Valve	6	EA		
3.	24" Butterfly Valve	1	EA		
4.	14" Blowoff Assembly	1	EA		
5.	6" Blowoff Assembly	1	EA		
6.	Ductile Iron Fittings	27,000	LB		
7.	42" Stl. Casing by O.C. w/30" DIP Carrier (Streets)	178	LF		
8.	42" Stl. Casing by O.C. w/30" DIP Carrier (I-65)	105	LF		
9.	I-65 Crossing by Bore or Tunnel	1	LS		
10.	12" Stl. Casing by Bore w/ 8" PVC Carrier	42	LF		
11.	Auto Air Release Station	7	EA		
12.	Crushed Stone	4,500	LF		
13.	Concrete	50	CY		
14.	Asphalt Pavement	75	T		
15.	Middle Bridge Pumping Station	1	LS		
16.	30" DIP Water Line	11,900	LF		
17.	30" DIP Water Line w/ Restrained Joints	680	LF		
18.	8" Class 200 PVC Water Line	60	LF		
19.	6" Class 200 Pvc Water Line	40	LF		
20.	Final Cleanup	12,680	LF		
TOTAL BID-CONTRACT 1				<u>NO BID</u>	
CONTRACT 2:					
1.	8"x 8" Tapping Sleeve & Valve (PVC)	1	EA	\$1,500.00	\$1,500.00
2.	4"x 4" Tapping Sleeve & Valve (PVC)	2	EA	1,050.00	2,100.00
3.	30" Butterfly Valve	2	EA	6,200.00	12,400.00
4.	10" Gate Valve	5	EA	1,025.00	5,125.00
5.	6" Blowoff Assembly	1	EA	680.00	680.00
6.	4" Blowoff Assembly	2	EA	600.00	1,200.00
7.	Ductile Iron Fittings	17,800	LB	1.95	34,710.00
8.	42" Stl. Casing by Bore w/ 30" DIP Carrier	100	LF	675.00	67,500.00
9.	42" Stl. Casing by O.C. w/ 30" DIP Carrier	180	LF	220.00	39,600.00
10.	14" Stl. Casing by Bore w/ 10" PVC Carrier	160	LF	115.00	18,400.00
11.	Auto Air Release Station	10	EA	2,200.00	22,000.00
12.	Crushed Stone	4,500	T	10.00	45,000.00
13.	Concrete	40	CY	130.00	5,200.00
14.	Asphalt Pavement	270	T	55.00	14,850.00
15.	Greenwood Lane Pumping Station	1	LS	350,000.00	350,000.00
16.	30" DIP Water Line	10,920	LF	61.25	668,850.00
17.	30" DIP Water Line w/ Restrained Joints	440	LF	84.00	36,960.00
18.	10" Class 200 PVC Water Line	8,300	LF	11.25	93,375.00
19.	8" Class 200 PVC Water Line	40	LF	5.80	232.00
20.	Final Cleanup	19,700	LF	1.00	19,700.00
TOTAL BID-CONTRACT 2				<u>\$1,439,382.00</u>	
TOTAL INITIAL BID-CONTRACTS 1 & 2				N/A	
DEDUCT IF BOTH CONTRACTS AWARDED				NO BID	
TOTAL COMBINED BID CONTRACTS 1 & 2				N/A	

I hereby certify that this a true and accurate tabulation of bids as received August 10, 1999, with corrections for mathematical errors.


 Alan H. Milnes, P.E.

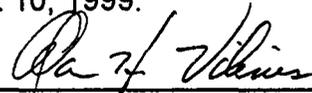
**TABULATION OF BIDS
WATER SYSTEM ADDITIONS - PROJECT 16 - CONTRACT 3
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY**

August 10, 1999

LUMP SUM BIDS FOR 2,000,000 GALLON ELEVATED TANK

CB & I Constructors, Inc.	\$1,838,000.00
Caldwell Tanks, Inc.	\$1,851,000.00
Pitt-Des Moines, Inc.	\$1,884,000.00

I hereby certify that this is a true and accurate tabulation of bids as received August 10, 1999.



Alan H. Vilines, P.E.

APPENDIX B
PROPOSALS OF LOW BIDDERS

BID
CONTRACTS 1 & 2

Proposal of W.L. Hailey & Co., Inc.
(hereinafter called "BIDDER"), organized and existing under the laws of
the State of _____ doing business
as _____*. To
the Warren County Water District, 951 Fairview Avenue, Suite B, PO Box
10180, Bowling Green, KY 42102-4780 (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby
proposes to perform all WORK for the construction of
Water System Additions - Project 16a - Westside Transmission and Storage
Facilities - Phase 1, Contracts 1 & 2 in strict accordance with the
CONTRACT DOCUMENTS, within the time set forth therein, and at the prices
stated below.

By submission of this BID, each BIDDER certifies, and in the case
of a joint BID each party thereto certifies as to its own organization,
that this BID has been arrived at independently, without consultation,
communication, or agreement as to any matter relating to this BID with
any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or
before a date to be specified in the NOTICE TO PROCEED and to fully
complete the PROJECT within two hundred ten (210) consecutive calendar
days thereafter. BIDDER further agrees to pay as liquidated damages,
the sum of \$ 400 for each consecutive calendar day thereafter as
provided in Section 15 of the General Conditions.

* Insert "a Corporation", "a partnership", or "an individual", as applicable.

BIDDER acknowledges receipt of the following ADDENDUM:

Addendum #1 2/22/99, #2 8/5/99

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum:

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

BID SCHEDULE - CONTRACT 1

NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
1.	6" x 6" Tapping Sleeve & Valve (on CIP)	EA	\$ <u>4000⁰⁰</u>	3	\$ <u>12,000⁰⁰</u>
2.	30" Butterfly Valves	EA	\$ <u>6500⁰⁰</u>	6	\$ <u>39,000⁰⁰</u>
3.	24" Butterfly Valves	EA	\$ <u>3500⁰⁰</u>	1	\$ <u>3500⁰⁰</u>
4.	14" Blowoff Assembly	EA	\$ <u>5000⁰⁰</u>	1	\$ <u>5000⁰⁰</u>
5.	6" Blowoff Assembly	EA	\$ <u>2000⁰⁰</u>	1	\$ <u>2000⁰⁰</u>
6.	Ductile Iron Fittings	LB	\$ <u>2⁰⁰</u>	27,000	\$ <u>54,000⁰⁰</u>
7.	42" Steel Casing By O.C. w/30" DIP (Streets)	LF	\$ <u>200⁰⁰</u>	178	\$ <u>35,600⁰⁰</u>
8.	42" Steel Casing By O.C. w/30" DIP (I-65)	LF	\$ <u>200⁰⁰</u>	105	\$ <u>21,000⁰⁰</u>
9.	I-65 Crossing By Bore or Tunnel	LS	\$ <u>65,000⁰⁰</u>	1	\$ <u>65,000⁰⁰</u>
10.	12" Steel Casing By Bore w/8" PVC	LF	\$ <u>100⁰⁰</u>	42	\$ <u>4200⁰⁰</u>
11.	Auto Air Release Station	EA	\$ <u>2000⁰⁰</u>	7	\$ <u>14,000⁰⁰</u>
12.	Crushed Stone	T	\$ <u>12⁰⁰</u>	4,500	\$ <u>54,000⁰⁰</u>
13.	Concrete	CY	\$ <u>150⁰⁰</u>	50	\$ <u>7500⁰⁰</u>
14.	Asphalt Pavement	T	\$ <u>85⁰⁰</u>	75	\$ <u>6375⁰⁰</u>
15.	Middle Bridge Pump Station	LS	\$ <u>80,000.00</u>	1	\$ <u>80,000.00</u>
16.	30" DIP Water Line	LF	\$ <u>52⁰⁰</u>	11,900	\$ <u>619,800⁰⁰</u>
17.	30" DIP Water Line w/Res. Joints	LF	\$ <u>77⁰⁰</u>	680	\$ <u>52,360⁰⁰</u>

BID SCHEDULE - CONTRACT 1 (Continued)

NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
18.	8" CL 200 PVC Water Line	LF	\$ <u>30⁰⁰</u>	60	\$ <u>1800⁰⁰</u>
19.	6" CL 200 PVC Water Line	LF	\$ <u>33⁰⁰</u>	40	\$ <u>1320⁰⁰</u>
20.	Final Cleanup	LF	\$ <u>1.00</u>	12,680	\$ <u>12,680.00</u>
TOTAL BASE BID - CONTRACT 1 ONLY					\$ <u><u>1,090,135⁰⁰</u></u>

BID SCHEDULE - CONTRACT 2

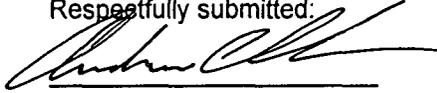
NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
1.	8" x 8" Tapping Sleeve & Valve (on PVC)	EA	\$ <u>5000⁰⁰</u>	1	\$ <u>5000⁰⁰</u>
2.	4" x 4" Tapping Sleeve & Valve (on PVC)	EA	\$ <u>3500⁰⁰</u>	2	\$ <u>7000⁰⁰</u>
3.	30" Butterfly Valves	EA	\$ <u>6500⁰⁰</u>	2	\$ <u>13,000⁰⁰</u>
4.	10" Gate Valves	EA	\$ <u>1200⁰⁰</u>	5	\$ <u>6000⁰⁰</u>
5.	6" Blowoff Assembly	EA	\$ <u>2000⁰⁰</u>	1	\$ <u>2000⁰⁰</u>
6.	4" Blowoff Assembly	EA	\$ <u>1500⁰⁰</u>	2	\$ <u>3000⁰⁰</u>
7.	Ductile Iron Fittings	LB	\$ <u>2⁰⁰</u>	17,800	\$ <u>35,600⁰⁰</u>
8.	42" Steel Casing By Bore w/30" DIP	LF	\$ <u>385⁰⁰</u>	100	\$ <u>38,500⁰⁰</u>
9.	42" Steel Casing by O.C. 0/30" DIP	LF	\$ <u>200⁰⁰</u>	180	\$ <u>36,000⁰⁰</u>
10.	14" Steel Casing By Bore w/10" PVC	LF	\$ <u>100⁰⁰</u>	160	\$ <u>16,000⁰⁰</u>
11.	Auto Air Release Station	EA	\$ <u>2000⁰⁰</u>	10	\$ <u>20,000⁰⁰</u>
12.	Crushed Stone	T	\$ <u>12⁰⁰</u>	4,500	\$ <u>54,000⁰⁰</u>
13.	Concrete	CY	\$ <u>150⁰⁰</u>	40	\$ <u>6000⁰⁰</u>
14.	Asphalt Pavement	T	\$ <u>85⁰⁰</u>	270	\$ <u>22,950⁰⁰</u>
15.	Greenwood Lane Pump Station	LS	\$ <u>307,000⁰⁰</u>	1	\$ <u>307,000⁰⁰</u>
16.	30" DIP Water Line	LF	\$ <u>52⁰⁰</u>	10,920	\$ <u>567,840⁰⁰</u>

BID SCHEDULE - CONTRACT 2 (Continued)

NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
17.	30" DIP Water Line W/Res. Joints	LF	\$ <u>77⁰⁰</u>	440	\$ <u>33,880⁰⁰</u>
18.	10" CL 200 PVC Waterline	LF	\$ <u>35⁰⁰</u>	8,300	\$ <u>290,500⁰⁰</u>
19.	4" CL 200 PVC Waterline	LF	\$ <u>25⁰⁰</u>	40	\$ <u>1,000⁰⁰</u>
20.	Final Cleanup	LF	\$ <u>1.00</u>	19,700	\$ <u>19,700.00</u>
TOTAL BASE BID - CONTRACT 2 ONLY					\$ <u><u>1,484,970⁰⁰</u></u>
SUM OF INITIAL BASE BIDS FOR CONTRACTS 1 AND 2					\$ <u><u>2,575,105⁰⁰</u></u>
DEDUCT IF AWARDED BOTH CONTRACTS					\$ <u><u><29,000⁰⁰</u></u>
TOTAL BID - CONTRACTS 1 AND 2					\$ <u><u>2,546,105⁰⁰</u></u>

NOTE: See Detail Specifications, Section 1, Subsection 16 regarding Award of Contract(s) and Subsection 17 regarding Items Deleted.

Respectfully submitted:



Signature
ANDREW C. SWANK, VICE PRESIDENT

Title
A 1999 00479
License No. (If Applicable)

2971 KRAFT DRIVE
P. O. BOX 40646
NASHVILLE, TN 37204

Address
8/10/99
Date

SEAL - (if BID is by a corporation)

BID
CONTRACTS 1 & 2

Proposal of REYNOLDS, INC.
(hereinafter called "BIDDER"), organized and existing under the laws of
the State of INDIANA doing business
as A CORPORATION * To
the Warren County Water District, 951 Fairview Avenue, Suite B, PO Box
10180, Bowling Green, KY 42102-4780 (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby
proposes to perform all WORK for the construction of
Water System Additions - Project 16a - Westside Transmission and Storage
Facilities - Phase 1, Contracts 1 & 2 in strict accordance with the
CONTRACT DOCUMENTS, within the time set forth therein, and at the prices
stated below.

By submission of this BID, each BIDDER certifies, and in the case
of a joint BID each party thereto certifies as to its own organization,
that this BID has been arrived at independently, without consultation,
communication, or agreement as to any matter relating to this BID with
any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or
before a date to be specified in the NOTICE TO PROCEED and to fully
complete the PROJECT within two hundred ten (210) consecutive calendar
days thereafter. BIDDER further agrees to pay as liquidated damages,
the sum of \$ 400 for each consecutive calendar day thereafter as
provided in Section 15 of the General Conditions.

* Insert "a Corporation", "a partnership", or "an individual", as applicable.

BIDDER acknowledges receipt of the following ADDENDUM:
#1, #2

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum:

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

BID SCHEDULE - CONTRACT 1

NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
1.	6" x 6" Tapping Sleeve & Valve (on CIP)	EA	\$ 1,400.00	3	\$ 4,200.00
2.	30" Butterfly Valves	EA	\$ 6,060.00	6	\$ 36,360.00
3.	24" Butterfly Valves	EA	\$ 3,490.00	1	\$ 3,490.00
4.	14" Blowoff Assembly	EA	\$ 5,240.00	1	\$ 5,240.00
5.	6" Blowoff Assembly	EA	\$ 1,000.00	1	\$ 1,000.00
6.	Ductile Iron Fittings	LB	\$ 1.90	27,000	\$ 51,300.00
7.	42" Steel Casing By O.C. w/30" DIP (Streets)	LF	\$ 253.00	178	\$ 45,034.00
8.	42" Steel Casing By O.C. w/30" DIP (I-65)	LF	\$ 253.00	105	\$ 26,565.00
9.	I-65 Crossing By Bore or Tunnel	LS	\$ 59,230.00	1	\$ 59,230.00
10.	12" Steel Casing By Bore w/8" PVC	LF	\$ 100.00	42	\$ 4,200.00
11.	Auto Air Release Station	EA	\$ 1,300.00	7	\$ 9,100.00
12.	Crushed Stone	T	\$ 13.85	4,500	\$ 62,325.00
13.	Concrete	CY	\$ 120.00	50	\$ 6,000.00
14.	Asphalt Pavement	T	\$ 177.00	75	\$ 13,275.00
15.	Middle Bridge Pump Station	LS	\$ 73,400.00	1	\$ 73,400.00
16.	30" DIP Water Line	LF	\$ 55.80	11,900	\$ 664,020.00
17.	30" DIP Water Line w/Res. Joints	LF	\$ 80.80	680	\$ 54,944.00

BID SCHEDULE - CONTRACT 1 (Continued)

NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
18.	8" CL 200 PVC Water Line	LF	\$ <u>19.00</u>	60	\$ <u>1,140.00</u>
19.	6" CL 200 PVC Water Line	LF	\$ <u>17.00</u>	40	\$ <u>680.00</u>
20.	Final Cleanup	LF	\$ <u>1.00</u>	12,680	\$ <u>12,680.00</u>
TOTAL BASE BID - CONTRACT 1 ONLY					\$ <u>1,134,183.00</u>

BID SCHEDULE - CONTRACT 2

NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
1.	8" x 8" Tapping Sleeve & Valve (on PVC)	EA	\$ <u>1,600.00</u>	1	\$ <u>1,600.00</u>
2.	4" x 4" Tapping Sleeve & Valve (on PVC)	EA	\$ <u>1,200.00</u>	2	\$ <u>2,400.00</u>
3.	30" Butterfly Valves	EA	\$ <u>6,060.00</u>	2	\$ <u>12,120.00</u>
4.	10" Gate Valves	EA	\$ <u>950.00</u>	5	\$ <u>4,750.00</u>
5.	6" Blowoff Assembly	EA	\$ <u>1,000.00</u>	1	\$ <u>1,000.00</u>
6.	4" Blowoff Assembly	EA	\$ <u>670.00</u>	2	\$ <u>1,340.00</u>
7.	Ductile Iron Fittings	LB	\$ <u>1.75</u>	17,800	\$ <u>31,150.00</u>
8.	42" Steel Casing By Bore w/30" DIP	LF	\$ <u>325.00</u>	100	\$ <u>32,500.00</u>
9.	42" Steel Casing by O.C. 0/30" DIP	LF	\$ <u>253.00</u>	180	\$ <u>45,540.00</u>
10.	14" Steel Casing By Bore w/10" PVC	LF	\$ <u>125.00</u>	160	\$ <u>20,000.00</u>
11.	Auto Air Release Station	EA	\$ <u>1,300.00</u>	10	\$ <u>13,000.00</u>
12.	Crushed Stone	T	\$ <u>13.85</u>	4,500	\$ <u>62,325.00</u>
13.	Concrete	CY	\$ <u>120.00</u>	40	\$ <u>4,800.00</u>
14.	Asphalt Pavement	T	\$ <u>165.00</u>	270	\$ <u>44,550.00</u>
15.	Greenwood Lane Pump Station	LS	\$ <u>367,000.00</u>	1	\$ <u>367,000.00</u>
16.	30" DIP Water Line	LF	\$ <u>52.70</u>	10,920	\$ <u>575,484.00</u>

BID SCHEDULE - CONTRACT 2 (Continued)

NO.	ITEM	UNIT	UNIT PRICE	AMOUNT	TOTAL PRICE
17.	30" DIP Water Line W/Res. Joints	LF	\$ 77.60	440	\$ 34,144.00
18.	10" CL 200 PVC Waterline	LF	\$ 14.40	8,300	\$ 119,520.00
19.	4" CL 200 PVC Waterline	LF	\$ 13.00	40	\$ 520.00
20.	Final Cleanup	LF	\$ 1.00	19,700	\$ 19,700.00
TOTAL BASE BID - CONTRACT 2 ONLY					\$ 1,393,443.00
SUM OF INITIAL BASE BIDS FOR CONTRACTS 1 AND 2					\$ 2,527,626.00
DEDUCT IF AWARDED BOTH CONTRACTS					\$ 11,000.00
TOTAL BID - CONTRACTS 1 AND 2					\$ 2,516,626.00

NOTE: See Detail Specifications, Section 1, Subsection 16 regarding Award of Contract(s) and Subsection 17 regarding Items Deleted.

Respectfully submitted: **REYNOLDS, INC.**

Jeff Reynolds
 Signature
JEFF REYNOLDS, VICE-PRESIDENT
 Title

 License No. (If Applicable)

4520 N. STATE ROAD 37
ORLEANS, IN. 47452-0186
 Address
AUGUST 10, 1999
 Date

SEAL - (if BID is by a corporation)

BID
CONTRACT 3

Proposal of CB&I CONSTRUCTORS, INC.
(hereinafter called "BIDDER"), organized and existing under the laws of
the State of TEXAS doing business
as A CORPORATION . To
the Warren County Water District, 951 Fairview Avenue, Suite B, PO Box 10180,
Bowling Green, KY 42102-4780 (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby
proposes to perform all WORK for the construction of
Water System Additions - Project 16a - Westside Transmission and Storage
Facilities - Phase 1, Contract 3 in strict accordance with the
CONTRACT DOCUMENTS, within the time set forth therein, and at the prices
stated below.

By submission of this BID, each BIDDER certifies, and in the case
of a joint BID each party thereto certifies as to its own organization,
that this BID has been arrived at independently, without consultation,
communication, or agreement as to any matter relating to this BID with
any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or
before a date to be specified in the NOTICE TO PROCEED and to fully
complete the PROJECT within Four hundred Twenty(420) consecutive calendar
days thereafter. BIDDER further agrees to pay as liquidated damages,
the sum of \$ 400 for each consecutive calendar day thereafter as
provided in Section 15 of the General Conditions.

* Insert "a corporation", "a partnership", or "an individual" as applicable.

BIDDER acknowledges receipt of the following ADDENDUM:

ADDENDUM Nos 1 & 2.

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum:

BID SCHEDULE

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

ITEM	UNIT	TOTAL PRICE
1. 2,000,000 Gallon Elevated Storage Tank Lovers Lane Tank	Lump Sum	\$ <u>1,838,000.</u>
	Total Base Bid	\$ <u>1,838,000.</u>

The following prices are to be used to add or deduct from the base bid, if actual quantities are over or under the quantities specified for the base bid:

2. Removal of Incompetent Rock in Caisson Excavations (30 V.F. included in base bid) \$ 250.⁰⁰ per vertical foot of rock removed
3. Drilled Excavation and concrete Caisson Construction (340 V.F. included in base bid) \$ 120.⁰⁰ per vertical foot of concrete Caisson

Respectfully Submitted:


Signature

BUSINESS DEVELOPMENT MGR
Title

License Number (if applicable)

CB&L CONSTRUCTORS, INC.
P.O. BOX 5650

Address

NORCROSS, GA 30091

City, State, Zip

AUGUST 10, 1999

Date

SEAL (if BID is by a corporation)
(1-15-79) SPECIAL PN

APPENDIX C
DEBT SERVICE SCHEDULES

DEBT SERVICE SCHEDULE - RURAL DEVELOPMENT FUNDS

BORROWER NAME: WARREN COUNTY WATER DISTRICT
 INTEREST RATE: 5.125
 PRINCIPAL: 2,000,000
 June 28, 1999

year	period	number	payment	interest	principal	balance
2000	1	1	102,500.00	102,500.00	0	2,000,000
2001	1	2	102,500.00	102,500.00	0	2,000,000
2002	1	3	120,500.00	102,500.00	18,000	1,982,000
2003	1	4	120,577.50	101,577.50	19,000	1,963,000
2004	1	5	120,603.75	100,603.75	20,000	1,943,000
2005	1	6	120,578.75	99,578.75	21,000	1,922,000
2006	1	7	120,502.50	98,502.50	22,000	1,900,000
2007	1	8	120,375.00	97,375.00	23,000	1,877,000
2008	1	9	120,196.25	96,196.25	24,000	1,853,000
2009	1	10	120,966.25	94,966.25	26,000	1,827,000
2010	1	11	120,633.75	93,633.75	27,000	1,800,000
2011	1	12	120,250.00	92,250.00	28,000	1,772,000
2012	1	13	120,815.00	90,815.00	30,000	1,742,000
2013	1	14	120,277.50	89,277.50	31,000	1,711,000
2014	1	15	120,688.75	87,688.75	33,000	1,678,000
2015	1	16	119,997.50	85,997.50	34,000	1,644,000
2016	1	17	121,255.00	84,255.00	37,000	1,607,000
2017	1	18	120,358.75	82,358.75	38,000	1,569,000
2018	1	19	120,411.25	80,411.25	40,000	1,529,000
2019	1	20	120,361.25	78,361.25	42,000	1,487,000
2020	1	21	120,208.75	76,208.75	44,000	1,443,000
2021	1	22	120,953.75	73,953.75	47,000	1,396,000
2022	1	23	120,545.00	71,545.00	49,000	1,347,000
2023	1	24	121,033.75	69,033.75	52,000	1,295,000
2024	1	25	120,368.75	66,368.75	54,000	1,241,000
2025	1	26	120,601.25	63,601.25	57,000	1,184,000
2026	1	27	120,680.00	60,680.00	60,000	1,124,000
2027	1	28	120,605.00	57,605.00	63,000	1,061,000
2028	1	29	120,376.25	54,376.25	66,000	995,000
2029	1	30	120,993.75	50,993.75	70,000	925,000
2030	1	31	120,406.25	47,406.25	73,000	852,000
2031	1	32	120,665.00	43,665.00	77,000	775,000
2032	1	33	120,718.75	39,718.75	81,000	694,000
2033	1	34	120,567.50	35,567.50	85,000	609,000
2034	1	35	120,211.25	31,211.25	89,000	520,000
2035	1	36	120,650.00	26,650.00	94,000	426,000
2036	1	37	120,832.50	21,832.50	99,000	327,000
2037	1	38	120,758.75	16,758.75	104,000	223,000
2038	1	39	120,428.75	11,428.75	109,000	114,000
2039	1	40	119,842.50	5,842.50	114,000	0
			4,785,796.25	2,785,796.25	2,000,000	

DEBT SERVICE SCHEDULE - PUBLIC BOND ISSUE

**WARREN COUNTY (KENTUCKY) WATER DISTRICT
WATER REVENUE BONDS
SERIES OF 1999**

DEBT SERVICE SCHEDULE

Date	Principal	Coupon	Interest	Total P+I	FISCAL TOTAL
10/05/1999	-	-	-	-	-
1/01/2000	-	-	66,346.67	66,346.67	-
7/01/2000	-	-	99,520.00	99,520.00	-
12/31/2000	-	-	-	-	165,866.67
1/01/2001	55,000.00	3.700%	99,520.00	154,520.00	-
7/01/2001	-	-	99,502.50	98,502.50	-
12/31/2001	-	-	-	-	253,022.50
1/01/2002	55,000.00	4.200%	98,502.50	153,502.50	-
7/01/2002	-	-	97,347.50	97,347.50	-
12/31/2002	-	-	-	-	250,850.00
1/01/2003	60,000.00	4.350%	97,347.50	157,347.50	-
7/01/2003	-	-	96,042.50	96,042.50	-
12/31/2003	-	-	-	-	253,390.00
1/01/2004	60,000.00	4.450%	96,042.50	156,042.50	-
7/01/2004	-	-	94,707.50	94,707.50	-
12/31/2004	-	-	-	-	250,750.00
1/01/2005	65,000.00	4.550%	94,707.50	160,707.50	-
7/01/2005	-	-	93,228.75	93,228.75	-
12/31/2005	-	-	-	-	252,936.25
1/01/2006	70,000.00	4.700%	93,228.75	163,228.75	-
7/01/2006	-	-	91,583.75	91,583.75	-
12/31/2006	-	-	-	-	254,812.50
1/01/2007	70,000.00	4.750%	91,583.75	161,583.75	-
7/01/2007	-	-	89,921.25	89,921.25	-
12/31/2007	-	-	-	-	251,505.00
1/01/2008	75,000.00	4.850%	89,921.25	164,921.25	-
7/01/2008	-	-	88,102.50	88,102.50	-
12/31/2008	-	-	-	-	253,023.75
1/01/2009	80,000.00	4.950%	88,102.50	168,102.50	-
7/01/2009	-	-	86,122.50	86,122.50	-
12/31/2009	-	-	-	-	254,225.00
1/01/2010	80,000.00	5.050%	86,122.50	166,122.50	-
7/01/2010	-	-	84,102.50	84,102.50	-
12/31/2010	-	-	-	-	250,225.00
1/01/2011	85,000.00	5.150%	84,102.50	169,102.50	-
7/01/2011	-	-	81,913.75	81,913.75	-
12/31/2011	-	-	-	-	251,016.25
1/01/2012	90,000.00	5.250%	81,913.76	171,913.75	-
7/01/2012	-	-	79,551.25	79,551.25	-
12/31/2012	-	-	-	-	251,465.00
1/01/2013	95,000.00	5.350%	79,551.25	174,551.25	-
7/01/2013	-	-	77,010.00	77,010.00	-
12/31/2013	-	-	-	-	251,561.25
1/01/2014	100,000.00	5.400%	77,010.00	177,010.00	-
7/01/2014	-	-	74,310.00	74,310.00	-
12/31/2014	-	-	-	-	251,320.00
1/01/2015	105,000.00	5.450%	74,310.00	179,310.00	-

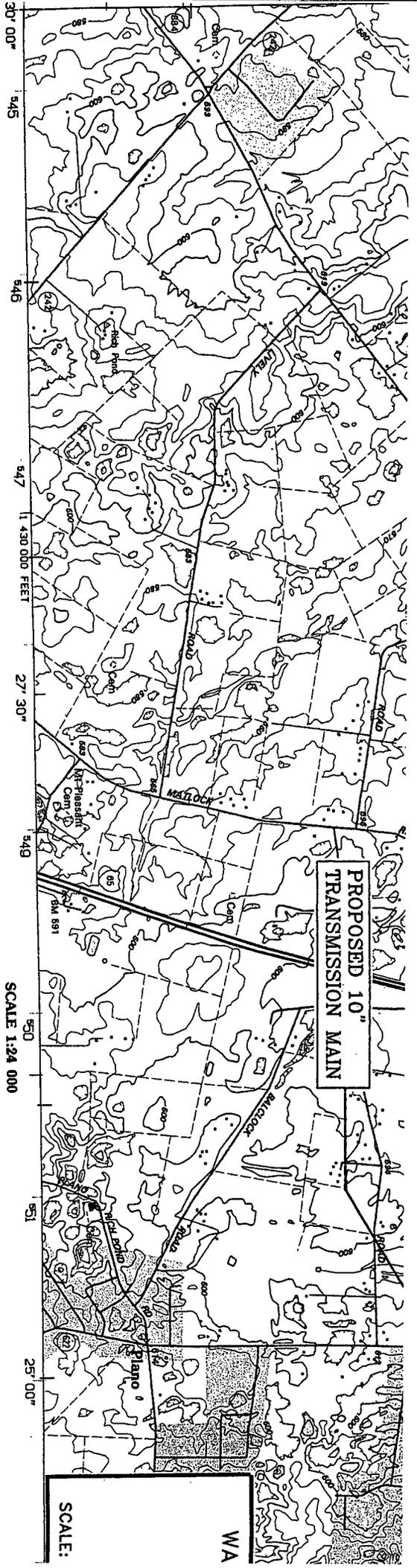
**WARREN COUNTY (KENTUCKY) WATER DISTRICT
WATER REVENUE BONDS
SERIES OF 1999**

DEBT SERVICE SCHEDULE

Date	Principal	Coupon	Interest	Total P+I	FISCAL TOTAL
7/01/2015	-	-	71,448.75	71,448.75	-
12/31/2015	-	-	-	-	250,758.75
1/01/2016	110,000.00	5.500%	71,448.75	181,448.75	-
7/01/2016	-	-	68,423.75	68,423.75	-
12/31/2016	-	-	-	-	249,872.50
1/01/2017	115,000.00	5.550%	68,423.75	183,423.75	-
7/01/2017	-	-	65,232.50	65,232.50	-
12/31/2017	-	-	-	-	248,656.25
1/01/2018	125,000.00	5.600%	65,232.50	190,232.50	-
7/01/2018	-	-	61,732.50	61,732.50	-
12/31/2018	-	-	-	-	251,965.00
1/01/2019	130,000.00	5.600%	61,732.60	191,732.60	-
7/01/2019	-	-	58,092.50	58,092.50	-
12/31/2019	-	-	-	-	249,825.00
1/01/2020	140,000.00	5.650%	58,092.50	198,082.50	-
7/01/2020	-	-	54,137.60	54,137.60	-
12/31/2020	-	-	-	-	252,230.00
1/01/2021	145,000.00	5.650%	54,137.60	199,137.60	-
7/01/2021	-	-	50,041.25	50,041.25	-
12/31/2021	-	-	-	-	249,178.75
1/01/2022	155,000.00	6.660%	50,041.25	205,041.25	-
7/01/2022	-	-	45,662.50	45,662.50	-
12/31/2022	-	-	-	-	250,703.75
1/01/2023	160,000.00	5.700%	45,662.50	205,662.50	-
7/01/2023	-	-	41,102.50	41,102.50	-
12/31/2023	-	-	-	-	246,765.00
1/01/2024	170,000.00	5.700%	41,102.50	211,102.50	-
7/01/2024	-	-	36,257.50	36,257.50	-
12/31/2024	-	-	-	-	247,360.00
1/01/2025	180,000.00	5.700%	36,257.50	216,257.50	-
7/01/2025	-	-	31,127.50	31,127.50	-
12/31/2025	-	-	-	-	247,385.00
1/01/2026	180,000.00	5.750%	31,127.50	221,127.50	-
7/01/2026	-	-	25,665.00	25,665.00	-
12/31/2026	-	-	-	-	246,792.50
1/01/2027	205,000.00	5.800%	25,665.00	230,665.00	-
7/01/2027	-	-	19,720.00	19,720.00	-
12/31/2027	-	-	-	-	250,365.00
1/01/2028	215,000.00	5.800%	19,720.00	234,720.00	-
7/01/2028	-	-	13,485.00	13,485.00	-
12/31/2028	-	-	-	-	248,205.00
1/01/2029	225,000.00	5.800%	13,485.00	238,485.00	-
7/01/2029	-	-	6,960.00	6,960.00	-
12/31/2029	-	-	-	-	245,445.00
1/01/2030	240,000.00	5.800%	6,960.00	246,960.00	-
12/31/2030	-	-	-	-	246,960.00
Total	3,650,000.00	-	4,028,456.67	7,678,456.67	-

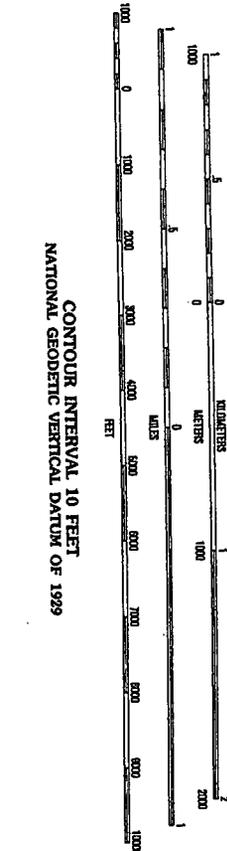
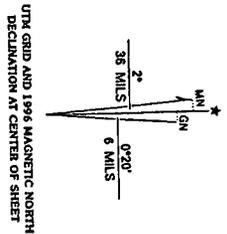
J.J.B. Hillard, W.L. Lyons, Inc.
Public Finance

File = Warren.sf-Warren 1999- SINGLE PURPOSE
8/11/1999 3:23 PM



Produced by the United States Geological Survey
 Contoured by photogrammetric methods from imagery dated 1983
 Field sheets of 1954. Revised from imagery dated 1967
 Field checked 1968. Revised in cooperation with State of
 Kentucky agencies from imagery dated 1993. Survey control
 current as of 1968. Map edited 1996. Contours not revised

North American Datum of 1983 (NAD 83). Projection and
 zone 18 000-foot data: Kentucky Coordinate System of 1983 (south zone)
 North American Datum of 1927 (NAD 27) is shown by dashed
 corner ticks. The values of the ticks before NAD 83 and NAD 27
 for 7.5-minute intersections are obtainable from National Geodetic
 Survey NADCON software



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

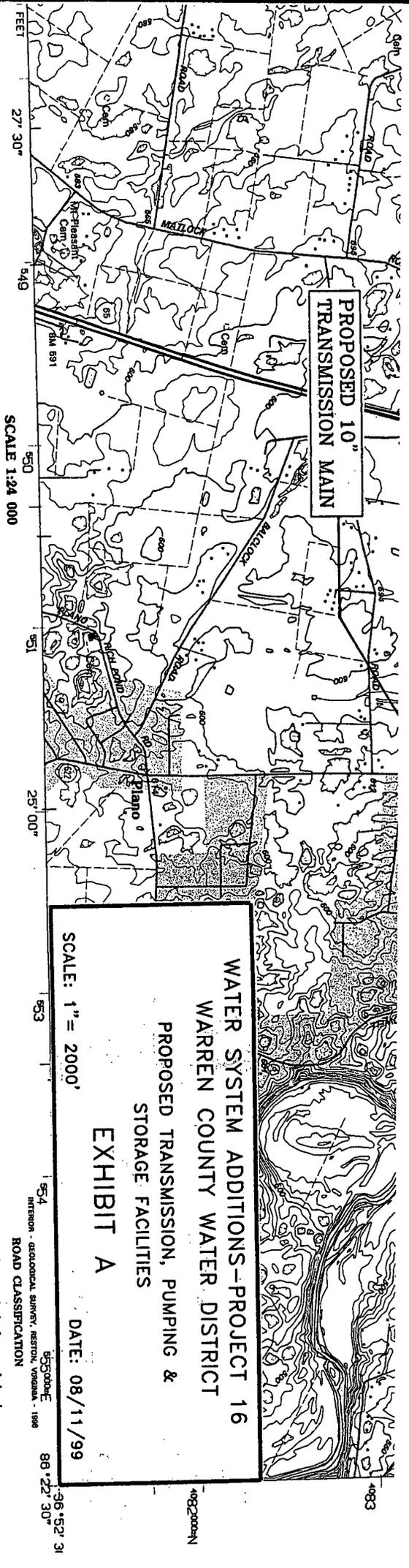
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 KENTUCKY GEOLOGICAL SURVEY, LEXINGTON, KENTUCKY 40506
 AND KENTUCKY DEPARTMENT OF COMMERCE, FRANKFORT, KENTUCKY 40601
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1	2	3	1 H
			2 B
4		5	3 B
			4 R
6	7	8	5 P
			6 M
			7 D
			8 A

ADJOINING 7.5' QUADRANG



PROPOSED 10" TRANSMISSION MAIN



WATER SYSTEM ADDITIONS-PROJECT 16
WARREN COUNTY WATER DISTRICT
PROPOSED TRANSMISSION, PUMPING & STORAGE FACILITIES
EXHIBIT A
DATE: 08/11/99

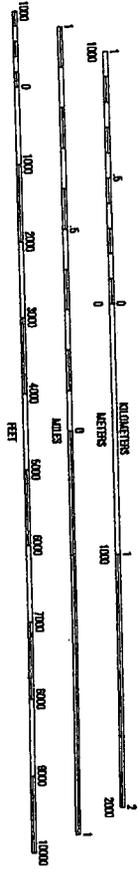
SCALE: 1" = 2000'

ROAD CLASSIFICATION

- Primary highway hard surface
- Secondary highway hard surface
- Light-duty road, hard or improved surface
- Undeveloped road
- Interstate Route
- U.S. Route
- State Route



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1999



THIS MAP COMPIRES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 KENTUCKY GEOLOGICAL SURVEY, LEXINGTON, KENTUCKY 40506
 AND KENTUCKY DEPARTMENT OF COMMERCE, FRANKFORT, KENTUCKY 40601
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1	2	3	1 Heading
2	3	4	2 Bearing Green North
3	4	5	3 Bristow
4	5	6	4 Rockfield
5	6	7	5 Paducah
6	7	8	6 Woodburn
			7 Drake
			8 Adam Springs

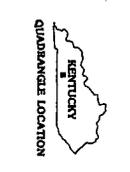
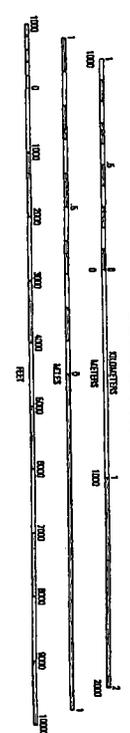
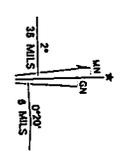
ADJOINING T.E. QUADRANGLE NAMES

BOWLING GREEN SOUTH, KY
 36086-H4-TF-024
 1993
 DMA 3757 IV NW-SERIES V833

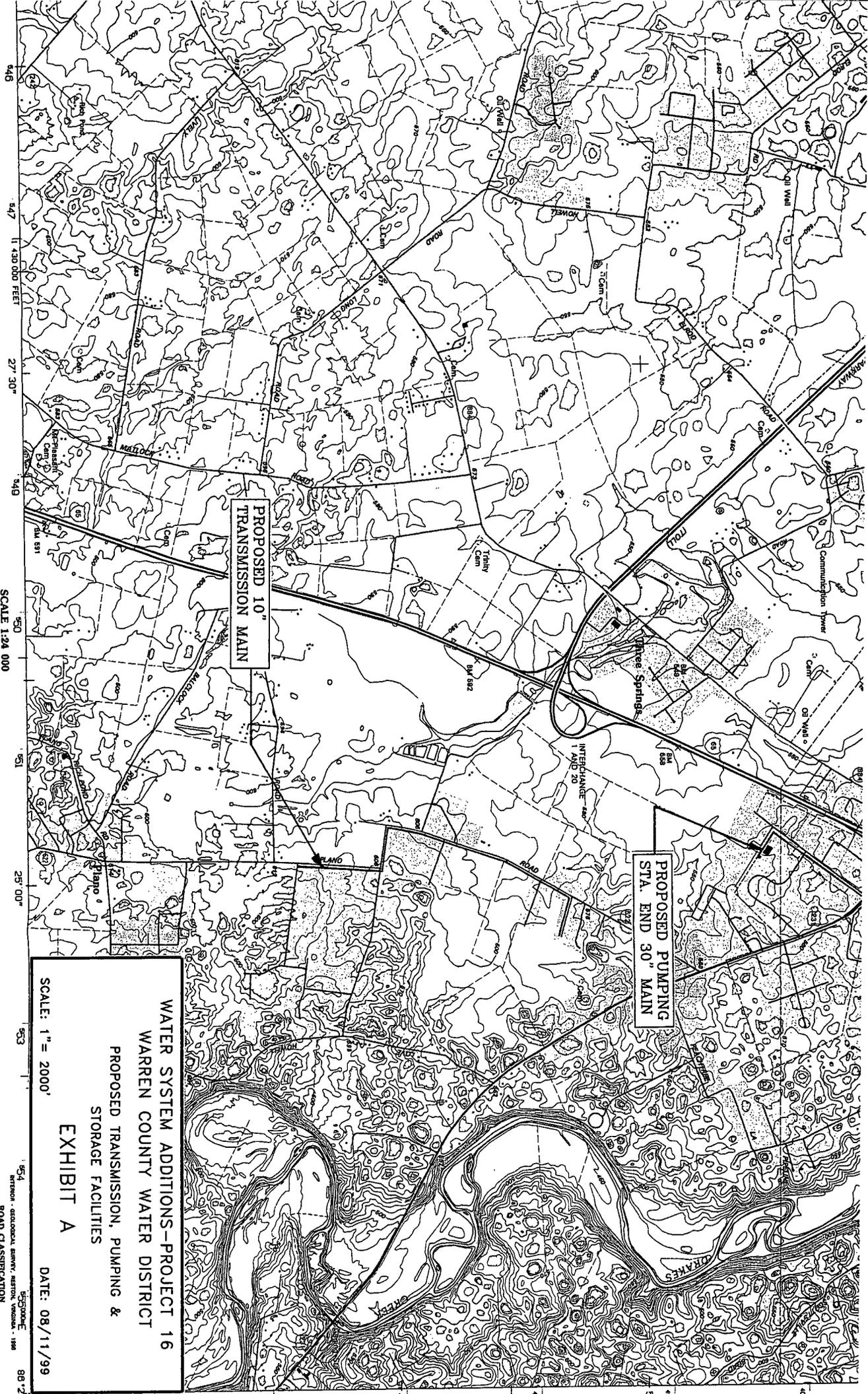


76 MAGNETIC NORTH
 CENTER OF SHEET

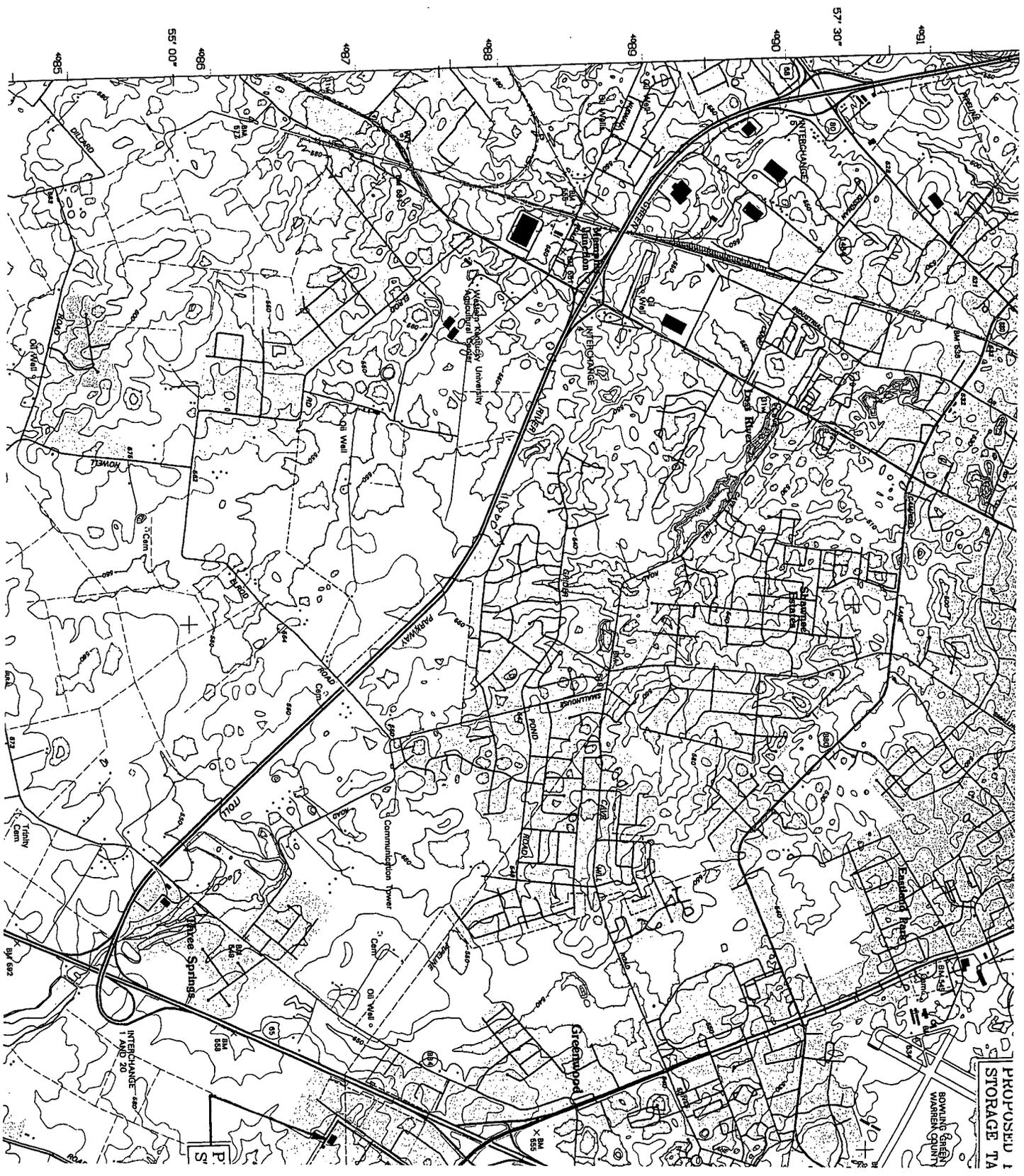
Geological Survey
 made from imagery dated 1983
 imagery dated 1967
 operations with State of
 96. Contours not revised
 AD 83). Projection and
 Mercator, zone 16



- ROAD CLASSIFICATION
- Primary highway
 - hard surface
 - Secondary highway
 - hard surface
 - Interstate Route
 - U.S. Route
 - State Route
 - Light-duty road, hard or
 - improved surface
 - Unimproved road



WATER SYSTEM ADDITIONS—PROJECT 16
WARREN COUNTY WATER DISTRICT
 PROPOSED TRANSMISSION, PUMPING &
 STORAGE FACILITIES
EXHIBIT A
 DATE: 08/11/99
 SCALE: 1" = 2000'



PROPOSED 1
STORAGE TA

BOWLING GREEN
WARREN COUNTY

Greenwood

Medical College of Georgia
University of Georgia

Piney Springs



PROPOSED 1
STORAGE TA

BOWLING GREEN
WARREN COUNTY

Greenwood

Medical College of Georgia
University of Georgia

Piney Springs



PROPOSED ELEVATED STORAGE TANK

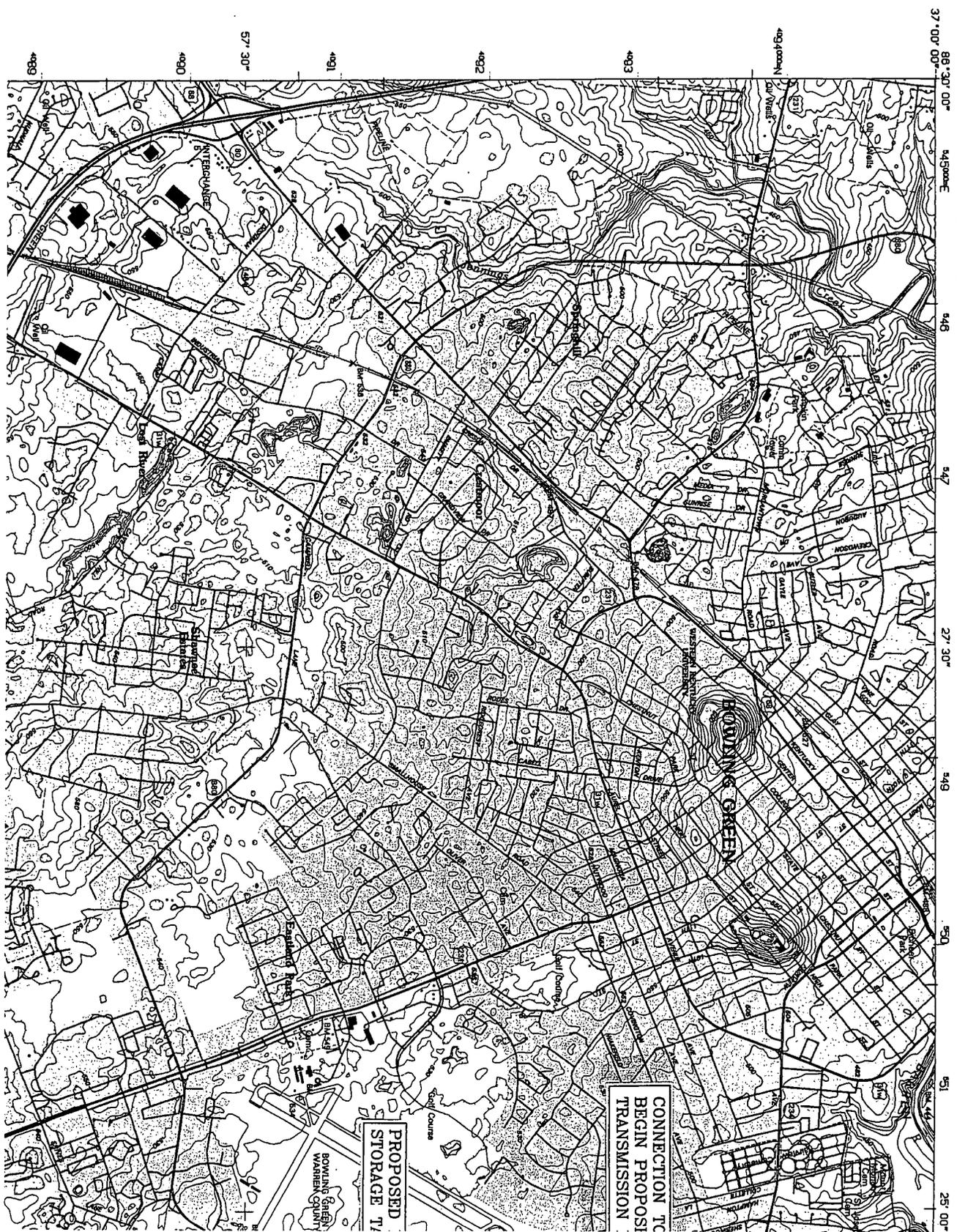
PROPOSED 30" TRANSMISSION MAIN

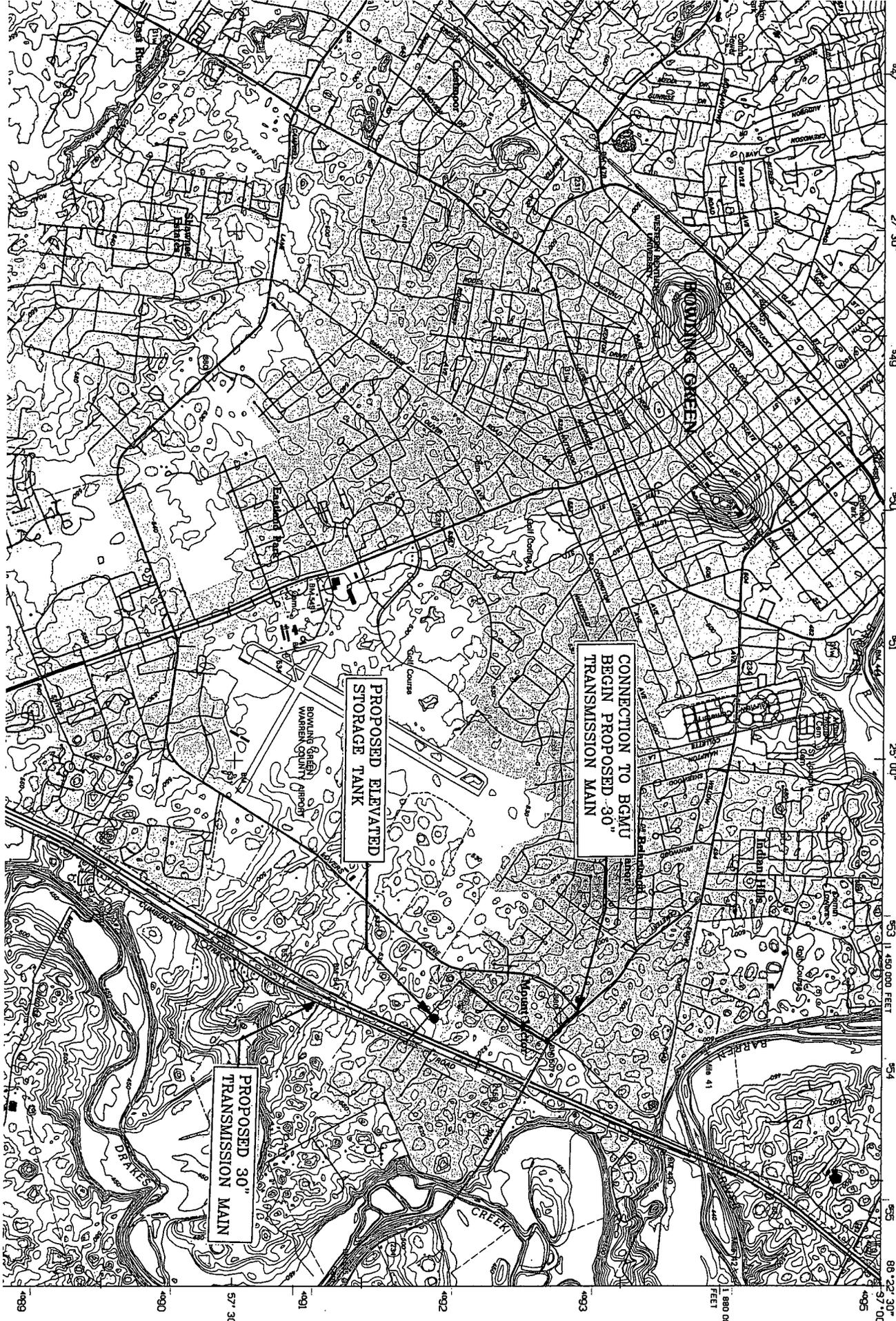
PROPOSED PUMPING STA. (APPROX. LOCATION)

PROPOSED PUMPING STA. END 30" MAIN

4931
57' 30"
4930
4929
4928
4927
4926
55' 00"
4925

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





BOWLING GREEN SOUTH QUADRANGLE
KENTUCKY-WARREN CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)

54
53 11,450,000 FEET
54
55

88-22' 30"
87-00' 00"

489

490

57' 30"

491

492

493

1,880,000 FEET

495

497

27' 30"

498

51

25' 00"



United States
Department of
Agriculture

Rural
Development

111 Corporate Drive, Suite 200
Lexington, KY 40503-5477
(606) 224-7336 TTY(606) 224-7422

June 30, 1999

Mr. R. Harvey Johnston, III
Chairman, Warren County Water District
P.O. Box 10180
Bowling Green, Kentucky 42102

Dear Mr. Johnston:

This letter establishes conditions which must be understood and agreed to by you before further consideration may be given to the application. The loan will be administered on behalf of the Rural Utilities Service (RUS) by the State and Area office staff of USDA, Rural Development. Any changes in project cost, source of funds, scope of services or any other significant changes in the project or applicant must be reported to and approved by USDA, Rural Development, by written amendment to this letter. Any changes not approved by Rural Development shall be cause for discontinuing processing of the application. It should also be understood that Rural Development is under no obligation to provide additional funds to meet an overrun in construction costs.

This letter is not to be considered as loan approval or as a representation as to the availability of funds. The docket may be completed on the basis of a RUS loan not to exceed \$2,000,000 and a Private Revenue Bond Issue in the amount of \$4,355,000.

If Rural Development makes the loan, you may make a written request that the interest rate be the lower of the rate in effect at the time of loan approval or the time of loan closing. If you do not request the lower of the two interest rates, the interest rate charged will be the rate in effect at the time of loan approval. The loan will be considered approved on the date a signed copy of Form RD 1940-1, "Request for Obligation of Funds," is mailed to you. If you want the lower of the two rates, your written request should be submitted to Rural Development as soon as practical. In order to avoid possible delays in loan closing, such a request should ordinarily be submitted at least 30 days before loan closing.

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

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

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

Rural Development is an Equal Opportunity Lender.
Complaints of discrimination should be sent to:
Secretary of Agriculture, Washington, D.C. 20250

In signing Form RD 1942-46, you are agreeing to complete the following as expeditiously as possible:

1. Number of Users and Their Contribution:

There shall be 17,284 water users, all of which are existing users. The Rural Development Manager will review and authenticate the number of users prior to advertising for construction bids. No contribution is required from the Water District.

2. Repayment Period:

The loan will be scheduled for repayment over a period not to exceed 40 years from the date of the bond. Principal payment will not be deferred for a period in excess of two (2) years from the date of the bond. Payments will be in accordance with applicable KRS which requires interest to be paid semi-annually (January 1st and July 1st) and principal will be due on or before the first of January. Rural Development may require the Water District to adopt a supplemental payment agreement providing for monthly payments of principal and interest so long as the bond is held or insured by RUS. Monthly payments will be approximate amortized installments.

Rural Development encourages the use of the Preauthorized Debit (PAD) payment process, which authorizes the electronic withdrawal of funds from your bank account on the exact installment payment due date (contact the Rural Development Manager for further information).

3. Funded Depreciation Reserve Account:

The Water District will be required to deposit \$1,005.00 per month into a "Funded Depreciation Reserve Account". The monthly deposits are for the life of the loan.

The required deposits to the Reserve Account are in addition to the requirements of the Water District's prior bond resolutions.

The monthly deposits to the Reserve Account are required to commence the first full fiscal year after the facility becomes operational.

4. Security Requirements:

A pledge of gross water revenue will be provided in the Bond Resolution. Bonds shall rank on a parity with existing bonds, if possible. If this is not possible, the bond will be subordinate and junior to the existing bonds, in which case the Water District will be required to abrogate its right to issue additional bonds ranking on a parity with the existing bonds, so long as any unpaid indebtedness remains on this bond issue.

5. Land Rights and Real Property:

The Water District will be required to furnish satisfactory title, easements, etc., necessary to install, maintain and operate the facility to serve the intended users. The pipelines will be on private rights-of-way where feasible. Easements and options are to be secured prior to advertising for construction bids.

6. Organization:

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

7. Business Operations:

The Water District will be required to operate the system under a well-established set of resolutions, rules and regulations. A budget must be established annually and adopted by the Water District after review by Rural Development. At no later than loan pre-closing, the Water District will be required to furnish a prior approved management plan to include, as a minimum, provisions for management, maintenance, meter reading, miscellaneous services, billing, collecting, bookkeeping, making and delivering required reports and audits.

8. Accounts, Records and Audits:

The Water District will be required to maintain adequate records and accounts and submit annual budgets and year-end reports (annual audits) in accordance with subsection 1780.47 of RUS Instruction 1780 and RUS Staff Instruction 1780-4, a copy of which is enclosed.

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

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

10. Insurance and Bonding:

The following insurance and bonding will be required:

- A. Adequate Liability and Property Damage Insurance including vehicular coverage, if applicable, must be obtained and maintained by the Water District. The Water District should obtain amounts of coverage as recommended by its attorney, consulting engineer and/or insurance provider.
- B. Worker's Compensation - The Water District will carry worker's compensation insurance for employees in accordance with applicable state laws.

- C. Fidelity Bond - The Water District will provide Fidelity Bond Coverage for all persons who have access to funds. Coverage may be provided either for all individual positions or persons, or through "blanket" coverage providing protection for all appropriate employees and/or officials. The amount of coverage required for all RUS loans is \$296,000.
- D. Real Property Insurance - The Water District will obtain and maintain adequate fire and extended coverage on all structures including major items of equipment or machinery located in the structures. The amounts of coverage should be based on recommendations obtained by the Water District from its attorney, consulting engineer and/or insurance provider. Subsurface lift stations do not have to be covered except for the value of electrical and pumping equipment therein.
- E. Flood Insurance - The Water District will obtain and maintain adequate coverage on any facilities located in a special flood and mudslide prone areas.

11. Planning and Performing Development:

- A. The engineer should not be authorized to commence work on final plans and specifications until a determination has been made that the project can be planned and constructed within the estimated cost shown in paragraph "20" of this letter. The engineer may then proceed to develop final plans and specifications to be completed no later than 210 days from this date, and prepare bid documents. The Rural Development Manager is prepared to furnish the necessary guide for him to follow so as to keep the project plans and documents within our guidelines and requirements. The project should not be advertised for construction bids until all easements and enforceable options have been obtained, and total funds are committed or available for the project.
- B. The following documents will be submitted to Rural Development for review and must be concurred in by Rural Development prior to advertisement for construction bids:
 - 1. Final plans, specifications and bid documents.
 - 2. Applicant's letter on efforts to encourage small business and minority-owned business participation.
 - 3. Legal Service Agreements.
 - 4. Engineering Agreements.

Revision in these documents will be subject to Rural Development concurrence. Any agreements, contracts, etc. not reviewed and approved by Rural Development will not be eligible for payment from project funds or revenues from facilities financed by this Agency.

Prior to receipt of an authorization to advertise for construction bids, the Water District will obtain advance clearance from Bond Counsel regarding compliance with KRS 424 pertaining to publishing of the advertisement for construction bids in local newspapers and the period of time the notice is required to be published.

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

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

13. Closing Instructions:

The Office of General Counsel, our Regional Attorney, will be required to write closing instructions in connection with this loan. Conditions listed therein must be met by the Water District.

14. Compliance with Special Laws and Regulations:

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

15. Treatment Plant/System Operator:

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

16. Prior to Pre-Closing the Loan, the Water District will be Required to Adopt:

- A. Form RD 1942-47, "Association Loan Resolution (Public Body)."
- B. Form RD 400-1, "Equal Opportunity Agreement."
- C. Form RD 400-4, "Assurance Agreement."
- D. Form AD-1047, "Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transaction."
- E. Form RD 1910-11, "Applicant Certification Federal Collection Policies for Consumer or Commercial Debts."
- F. FmHA Instruction 1940-Q, Exhibit A-1, "Certification for Contracts, Grants and Loans."

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

17. Refinancing and Graduation Requirements:

The Water District is reminded that if at any time it shall appear to the Government that the Water District is able to refinance the amount of the RUS indebtedness then outstanding, in whole or in part, by obtaining a loan from commercial sources at reasonable rates and terms, upon the request of the Government, the Water District will apply for and accept such loan in sufficient amount to repay the Government.

18. Commercial Interim Financing:

The Water District will be required to use commercial interim financing for the project during construction for the RUS loan portion of the financing, if available at reasonable rates and terms.

Before the loan is closed, the Water District will be required to provide Rural Development with statements from the contractor, engineer and attorneys that they have been paid to date in accordance with their contract or other agreements and, in the case of the contractor, that he has paid his suppliers and sub-contractors.

19. Disbursement of Project Funds:

A construction account for the purpose of disbursement of project funds (RUS) will be established by the Water District prior to start of construction. The position of officials entrusted with the receipt and disbursement of RUS project funds will be covered by a "Fidelity Bond," with USDA-Rural Development as Co-Obligee, in the amount of construction funds on hand at any one time during the construction phase.

During construction, the Water District shall disburse project funds in a manner consistent with subsection 1780.76 (e) of RUS Instruction 1780. Form RD 1924-18, "Partial Payment Estimate," or similar form approved by Rural Development, shall be used for the purpose of documenting periodic construction estimates, and shall be submitted to Rural Development for review and acceptance. Prior to disbursement of funds by the Water District, the Board of Directors shall review and approve each payment estimate. All bills and vouchers must be approved by Rural Development prior to payment by the Water District.

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

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

20. Cost of Facility:

Breakdown of Costs:

Development	\$ 5,094,000
Land and Rights	80,000
Legal and Administrative	402,300
Engineering	323,000
Interest	170,000
Contingencies	<u>285,700</u>
TOTAL	\$ 6,355,000

Financing:

RUS Loan	\$ 2,000,000
Private Revenue Bonds	<u>4,355,000</u>
TOTAL	\$ 6,355,000

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

The Debt Collection Improvement Act (DCIA) of 1996 requires that all federal payments after January 1, 1999, must be made by Electronic Funds Transfer/Automated Clearing House (EFT/ACH). Borrowers receiving payments by EFT will have funds directly deposited to a specified account at a financial institution with funds being available to the recipient on the date of payment. The borrower should complete Form SF-3881, Electronic Funds Transfer Payment Enrollment Form, for each account where funds will be electronically received. The completed form(s) must be received by Rural Development at least thirty (30) days prior to the first advance of funds.

22. Use of Remaining Project Funds:

After providing for all authorized costs, any remaining RUS project funds will be considered to be RUS loan funds and refunded to RUS. If the amount of unused project funds exceeds the RUS loan, that part would be private revenue bond funds. Any remaining private revenue bond funds will be disbursed in accordance with provisions of the Bond Resolution.

23. Rates and Charges:

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

Water rates will be at least:

5/8 x 3/4 - Inch Meter

First	2,000	gallons @ \$	9.75 - Minimum Bill.
Next	8,000	gallons @ \$	2.68 - per 1,000 gallons.
Next	90,000	gallons @ \$	2.18 - per 1,000 gallons.
Next	900,000	gallons @ \$	1.80 - per 1,000 gallons.
All Over	1,000,000	gallons @ \$	1.49 - per 1,000 gallons.

3/4 - Inch Meter

First	3,000	gallons @ \$	12.68 - Minimum Bill.
Next	7,000	gallons @ \$	2.68 - per 1,000 gallons.
Next	90,000	gallons @ \$	2.18 - per 1,000 gallons.
Next	900,000	gallons @ \$	1.80 - per 1,000 gallons.
All Over	1,000,000	gallons @ \$	1.49 - per 1,000 gallons.

1 - Inch Meter

First	5,000	gallons @ \$	18.68 - Minimum Bill.
Next	5,000	gallons @ \$	2.68 - per 1,000 gallons.
Next	90,000	gallons @ \$	2.18 - per 1,000 gallons.
Next	900,000	gallons @ \$	1.80 - per 1,000 gallons.
All Over	1,000,000	gallons @ \$	1.49 - per 1,000 gallons.

1-1/2 - Inch Meter

First	10,000	gallons @ \$	35.22 - Minimum Bill.
Next	90,000	gallons @ \$	2.18 - per 1,000 gallons.
Next	900,000	gallons @ \$	1.80 - per 1,000 gallons.
All Over	1,000,000	gallons @ \$	1.49 - per 1,000 gallons.

2 - Inch Meter

First	16,000	gallons @ \$	50.18 - Minimum Bill.
Next	84,000	gallons @ \$	2.18 - per 1,000 gallons.
Next	900,000	gallons @ \$	1.80 - per 1,000 gallons.
All Over	1,000,000	gallons @ \$	1.49 - per 1,000 gallons.

3 - Inch Meter

First	30,000	gallons @ \$	127.19 - Minimum Bill.
Next	70,000	gallons @ \$	2.18 - per 1,000 gallons.
Next	900,000	gallons @ \$	1.80 - per 1,000 gallons.
All Over	1,000,000	gallons @ \$	1.49 - per 1,000 gallons.

4 - Inch Meter

First	50,000	gallons @ \$	182.64 - Minimum Bill.
Next	50,000	gallons @ \$	2.18 - per 1,000 gallons.
Next	900,000	gallons @ \$	1.80 - per 1,000 gallons.
All Over	1,000,000	gallons @ \$	1.49 - per 1,000 gallons.

6 - Inch Meter

First 100,000 gallons @ \$ 310.30 - Minimum Bill.
 Next 900,000 gallons @ \$ 1.80 - per 1,000 gallons.
 All Over 1,000,000 gallons @ \$ 1.49 - per 1,000 gallons.

8 - Inch Meter

First 160,000 gallons @ \$ 437.15 - Minimum Bill.
 Next 840,000 gallons @ \$ 1.80 - per 1,000 gallons.
 All Over 1,000,000 gallons @ \$ 1.49 - per 1,000 gallons.

10 - Inch Meter

First 550,000 gallons @ \$1,171.46 - Minimum Bill.
 Next 450,000 gallons @ \$ 1.80 - per 1,000 gallons.
 All Over 1,000,000 gallons @ \$ 1.49 - per 1,000 gallons.

24. Water Purchase Contract:

The Water District will submit a Water Purchase Contract for approval by Rural Development before advertising for construction bids. If the contract is not on Form RD 442-30, "Water Purchase Contract," the contract will require approval by our Regional Attorney. The contract must meet the requirements of subsection 1780.62 of RUS Instruction 1780.

25. Floodplain Construction:

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

26. Water Withdrawal Permit:

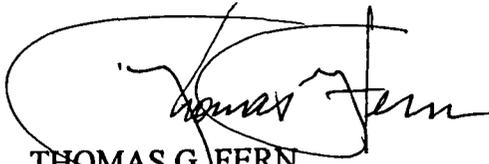
The Water District will be required to obtain satisfactory evidence that a revised water withdrawal permit has been secured from the Division of Water. The permit must be obtained prior to the commencement of construction on the water project.

27. Final Approval Conditions:

Final approval of this loan will depend on your willingness, with the assistance of all your co-workers, to meet the conditions of this letter in an orderly and systematic manner. Then too, final approval will depend on funds being available.

If you desire to proceed with your application, the Rural Development Manager will allot a reasonable portion of his time to provide guidance in application processing.

Sincerely,



THOMAS G. FERN
State Director
Rural Development

Enclosures

- cc: ✓ Rural Development Manager - Columbia, Kentucky
Community Development Manager - Bowling Green, Kentucky
Barren River ADD - Bowling Green, Kentucky
(Local Counsel)
Harper, Ferguson & Davis - Louisville, Kentucky
Alan Vilines - Bowling Green, Kentucky
PSC - ATTN: Claude Rhorer - Frankfort, Kentucky



United States
Department of
Agriculture

Rural
Development

771 Corporate Drive, Suite 200
Lexington, KY 40503-8477
(606) 224-7388 TTY(606) 224-7422

August 13, 1999

SUBJECT: Warren County Water District
Concurrence in Contract Award
Contracts 1, 2, and 3

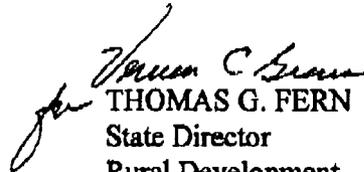
TO: Rural Development Manager
Columbia, Kentucky

Based on the bids received and the recommendation of the consulting engineer, Rural Development concurs in the award of the following subject contracts to the respective low bidders:

Contract 1 – Water Lines, to W.L. Hailey & Co., Inc., in the amount of \$1,090,135

Contract 2 – Water Lines, to Reynolds, Inc., in the amount of \$1,393,443

Contract 3 – Water Tank, to CB&I Constructors, Inc., in the amount of \$1,838,000


THOMAS G. FERN
State Director
Rural Development

cc: Warren RECC
Bowling Green, Kentucky

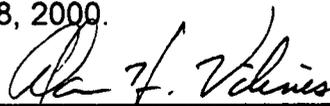
Harper, Ferguson, & Davis
Louisville, Kentucky

Rural Development is an Equal Opportunity Lender.
Complaints of discrimination should be sent to:
Secretary of Agriculture, Washington, D.C. 20250

**CERTIFIED STATEMENT
OF
WARREN COUNTY WATER DISTRICT
PROJECT 16**

**CONCERNING PROPOSED RURAL DEVELOPMENT FINANCED
WATER LINE EXTENSION**

We hereby certify that the proposed plans and specifications for the project have been designed to meet the minimum construction and operating requirements set out in 807 KAR 5:066, Section 4 (3-4), Section 5 (1), Sections 6-7, Section 8 (1-3), Section 9 (1) and Section 10; All the other required state approvals and/or permits have been obtained. The proposed rates shall produce total revenue requirements set out in the Engineering Reports. Notice to the customers has been given in conformance with Section 4. The construction is anticipated to begin on October 15, 1999. The project will take 420 days to complete which will make the completion date December 8, 2000.



Alan H. Vilines, P.E.
Warren County Water District



R. Harvey Johnston, III, Chairman
Warren County Water District

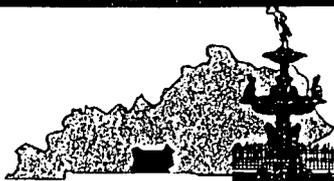
COMMONWEALTH OF KENTUCKY)
COUNTY OF WARREN)

I, Glen Johnson, being first duly sworn according to law, state that I am Secretary of the Board of Commissioners of Warren County Water District, Warren County, Kentucky, that the Board of Commissioners approved the foregoing Statement, and that the statements of fact set forth therein are true and accurate to the best of our knowledge and belief.

Witness my signature this 16 day of August, 1999.



Glen Johnson, Secretary



Daily News

Park City

813 College St.

P.O. Box 90012

Bowling Green, KY, 42102-9012

AFFIDAVIT OF PUBLICATION

Ms. Janice Hazel
Water Division
Warren County Water District
Suite B
951 Fairview Ave.
Bowling Green KY 42101

To Whom It May Concern:

Re: NOTICE OF PROPOSED RATE ADJUSTMENT

This is to certify that on Thursday, August 12, 1999, the above legal notice ran in the Daily News, a publication in and for the county of Warren, city of Bowling Green, state of Kentucky.

I further certify that all of the foregoing facts are true on such date aforesaid.

Dated this 12th day of August, 1999.

Subscribed and sworn to before me this 12th day of August, 1999.

My Commission Expires: 976199

Notary Public, KY State-At-Large

Serving Southern Kentucky Since 1854

(502) 781-1700 • Fax: (502) 781-0726 • News Fax: (502) 745-7301

WKCT - AM 930 • WDNS - FM 93.3
The Number One Radio Voices of The Daily News

Notice is hereby given that Warren County Water District, 951 Fairview Avenue, Suite B, Bowling Green, Kentucky plans to file an application with the Public Service Commission, 730 Scheff Lane, Frankfort, Kentucky pursuant to KRS278.023 for the purpose of changing its water rates as follows:

EXISTING MONTHLY RATES FOR EXISTING SYSTEM AND USERS

First	2,000 Gallons	\$8.98 Minimum Bill*
Next	8,000 Gallons	2.47 per 1,000 Gallons
Next	90,000 Gallons	2.01 per 1,000 Gallons
Next	900,000 Gallons	1.66 per 1,000 Gallons
Over	1,000,000 Gallons	1.37 per 1,000 Gallons

\$8.98 Minimum applicable only to 5/8" to 3/4" meters. The following minimums will apply to all other meter sizes.

3/4" Meter	First 3,000 Gallons	11.68 Minimum Bill
1" Meter	First 5,000 Gallons	17.20 Minimum Bill
1-1/2" Meter	First 10,000 Gallons	32.43 Minimum Bill
2" Meter	First 16,000 Gallons	46.21 Minimum Bill
3" Meter	First 30,000 Gallons	117.12 Minimum Bill
4" Meter	First 50,000 Gallons	168.18 Minimum Bill
6" Meter	First 100,000 Gallons	285.73 Minimum Bill
8" Meter	First 160,000 Gallons	402.53 Minimum Bill
10" Meter	First 550,000 Gallons	1,078.69 Minimum Bill

The rates to be charged after the minimum rates are the same regardless of meter size.

PROPOSED MONTHLY RATES FOR EXISTING SYSTEM AND USERS

5/8 x 3/4-Inch Meter	First 2,000 Gallons	\$9.75 Minimum Bill*
	Next 8,000 Gallons	2.68 per 1,000 Gallons
	Next 90,000 Gallons	2.18 per 1,000 Gallons
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

3/4-Inch Meter	First 3,000 Gallons	\$12.68 Minimum Bill*
	Next 7,000 Gallons	2.68 per 1,000 Gallons
	Next 90,000 Gallons	2.18 per 1,000 Gallons
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

1-Inch Meter	First 5,000 Gallons	\$18.68 Minimum Bill*
	Next 5,000 Gallons	2.68 per 1,000 Gallons
	Next 90,000 Gallons	2.18 per 1,000 Gallons
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

1-1/2-Inch Meter	First 10,000 Gallons	\$35.22 Minimum Bill*
	Next 90,000 Gallons	2.18 per 1,000 Gallons
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

2-Inch Meter	First 16,000 Gallons	\$50.18 Minimum Bill*
	Next 84,000 Gallons	2.18 per 1,000 Gallons
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

3-Inch Meter	First 30,000 Gallons	\$127.19 Minimum Bill*
	Next 70,000 Gallons	2.18 per 1,000 Gallons
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

4-Inch Meter	First 50,000 Gallons	\$182.64 Minimum Bill*
	Next 50,000 Gallons	2.18 per 1,000 Gallons
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

6-Inch Meter	First 100,000 Gallons	\$310.30 Minimum Bill*
	Next 900,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

8-Inch Meter	First 160,000 Gallons	\$437.15 Minimum Bill*
	Next 840,000 Gallons	1.80 per 1,000 Gallons
	Next 1,000,000 Gallons	1.49 per 1,000 Gallons

10-Inch Meter	First 550,000 Gallons	\$1,171.46 Minimum Bill*
	Next 450,000 Gallons	1.80 per 1,000 Gallons
	Over 1,000,000 Gallons	1.49 per 1,000 Gallons

The Water District is planning the construction of 5 miles of 30 inch water transmission line from Cemetery Road at Lovers Lane, along Old Lovers Lane, crossing I-65 and along Cumberland Trace Road and Greenwood Way to the Water Districts' existing water storage tank at Greenwood. In addition 1.5 miles of 10 inch water main will be installed along Highway 622. Two new pumping stations will be constructed and a two million gallon elevated water tank in Cemetery Road/Lovers Lane area. All of the planned construction is necessary to provide the water supply needs of southern Warren County. Water Revenue Bonds for up to \$6 million dollars are planned to be sold in August/September 1999 to finance the construction, \$2 million of which Bonds will be sold to the United States Department of Agriculture. The proposed rates are necessary to produce sufficient revenue to meet the debt repayment schedule and operating cost. Any person may file a written objection with Public Service Commission at the above address within (20) days of the notice. The rates contained in this notice are the rates proposed by the Warren County Water District. However, the Public Service Commission may, after review of the application, issue an order to change rates different from the proposed rates. Such action may result in a rate different than those included in this notice.

Corvette '87
Blue, glass top, low mileage, excellent shape. Reduced to \$12,500. Call 270-749-5059.

FIREBIRD '89
Red, good tires, aluminum wheels. Great 1st car. Will sell for \$2,000. Call 842-0263.

Have A Car To Sell?
Let us help you get it SOLD!
Call 783-3232
Ask about our Special Guarantee!

power locks/windows cruise, CD, 5 speed, 78K. Excellent condition w/new tires. \$8,000. obo. Call 843-9040.

Eagle Talon TSi, 1995. Power of 16 valve turbo. Power windows, locks and security system. ABS brakes, CD player, lots of power-like new. \$10,000 obo. Call 270-726-1923.

BMW 1987 325 Series Excellent condition. Locally owned, 5 speed w/sunroof. Sand color w/cream leather interior. Must see to appreciate. \$5,495 Call 270-542-6739 or 542-6000.

Cadillac Deville '96
Shale color, 26k, excellent condition, loaded. Must see to appreciate. \$20,500. Factory Warranty. Call 270-542-4629.

Commercial/Farm
Dozer, trackhoe, scraper, Bobcat. Call Brown Builders, Inc., 529-0028 / 877-279-9691.

General Contracting
MILAM BUILDERS
Milt Milam / Derek Milam
Call 842-1414. Roofing, gutters vinyl siding, new homes.

Insurance
Auto Insurance
Preferred and Standard Plans At Competitive Rates
Call 846-9995.

Landscaping
185 Nursery & Landscaping Etc.
Driveway, concrete, deck and fence sealings. Pressure washing. Garden weeding \$12/hour. Hardback Compost Mulch \$20/vol. Open 8-5, Call 781-1046.

NOTICE FOR REMOVAL OF IMPROVEMENTS ACQUIRED BY THE COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET

Item No. 03-146.30; Warren County FD04 114 231 000-003 067 R Bowling Green - Scottsville Road Parcel Nos. 01, 02, 16 and 38	
Sealed bids for the Removal of Improvements listed below will be opened at 1:00 P.M., C.D.T., Thursday, August 19, 1999 at the Right of Way Office of the Transportation Cabinet, Department of Highways, District Office No. 3, 900 Morgantown Road, Bowling Green, Kentucky.	
Parcel No.	Description
01	1.5 Story Brick House w/Basement and attached garage (1,500 sf) Former Owner John D. Rafferty
02	One Story Vinyl Siding House (1,300 sf) Former Owner Athena Vaughn
16	One Story Brick House (1,450 sf) Frame Storage Shed (235 sf) Former Owner Phillip D. Lucas
38	1.5 Story Vinyl Siding House (2,000 sf) Detached Wood Frame garage (400 sf) Former Owner Della Smith

Rodent control measures are necessary on these parcels and shall be the responsibility of the successful bidder.

The Transportation Cabinet reserves the right to reject any and all bids. When Bidding Amount Due Bidder, a bid must be made on each parcel and an award will be made on a lump sum basis. When bidding Amount Due State, a bid may be made on individual parcels and awards will be made on an individual parcel basis.

All bids must be submitted on the official Kentucky Transportation Cabinet, Division of Right of Way and Utilities, Bid Invitation for Removal of Improvements (TC 62-42). The Transportation Cabinet will affirmatively ensure that for any contract entered into pursuant to this advertisement, prequalified disadvantaged business enterprises will be afforded full opportunity to submit bids in response to the invitation and will not be discriminated against on the grounds of race, color, sex, religion, national origin, age, or disability in consideration for an award.

The possession date of these improvements will be given upon notification by the Transportation Cabinet.

Representatives of the Division of Right of Way will be available to show prospective bidders said property by appointment only. The required bid forms, instructions and other governing information may be secured from the agent showing the property or from the above designated Right of Way Office. For further information contact Kenneth Bell or Kelly Divine by telephone at (502) 746-7898, fax at (502) 746-7053, or by mail at the Department of Highways, Division of Right of Way, P.O. Box 599, Bowling Green, Kentucky 42102-0599.

All bids must be received in the designated office by the date and hour set for the official bid opening and must be enclosed in a sealed envelope with the notation "SEALED BID" and the Opening Date on the front of the envelope.

Daily News New D Classified 783-3232 • Circulate!

610 Autos

BMW 318is '93
Leather, power sunroof, red, 2 door, heated seats, \$9750.
Call 781-9289.

Cadillac Sedan Deville '93
Burgundy, excellent condition, asking \$6200 obo.
Call 783-0779

Cadillac Seville '91
57,500 miles, white, burgundy leather, 4.9 engine, aluminum wheels, new tires, mint condition. \$8,500. Call 843-4544.

Camaro Z-28 '93
Black, auto, excellent condition, adult driven, never wrecked. 91K. \$9,500. Call 270-646-3504.

Camaro Z-28 '94
66k, Teal, excellent condition. \$9,000 FIRM.
Call 782-2536.

Cavalier Z24 '88
Low miles, good tires. Only asking \$1500.
Call 746-0139.

Chevy Caprice 1990
Station wagon. Good condition. 4 door. Burgandy. Nice inside and out. 72,000 miles. 1 owner. \$4000. Call 563-4129.

Chevy Caprice '86
Blue/Blue, 85K. New tires/brakes. Great shape. One family (owner) car \$2,950. Call 746-9660.

Chevy Cavalier '89
Hair damaged, good run around car, \$800.
Call 846-3429.

Chevy Celebrity Eurosport
'84, black, V-6 \$750 obo. Call 782-1312.

Chevy Impala SS '95
Black, loaded, garage kept, 19K miles. \$20,000. Call 270-622-3451

Chevy Lumina 1991
3.1 Euro package. Cruise, cassette, air, power locks, tilt. \$2995. Excellent condition. Call 782-7762 or 746-9831.

Corvette 1985
77k, Silver w/graphite leather, new tires, \$9,500.
Call 746-6795.

Ford Convertible '90
Red w/black top, Mustang, all power, automatic, CD player. Excellent condition. \$5,800. Call 781-7976.

Ford Mustang 1986.89K. 4cyl, good body and interior, power locks, cruise, am/fm cassette, needs some repairs, \$1,000 obo. Call 782-2161 leave message.

Ford Mustang Coupe '68
Completely restored interior 351 V8 engine, chrome wheels \$4,000/obo. call 597-2598

Ford Taurus GL, '97
4 door, 34K, like new.
\$11,300.
Call 782-5038, leave message.

Ford Taurus GL '96
4K, clean, green, \$8,500. Call home 782-1472 or work 781-4490.

GMC Yukon SLE
1994, 2 door, 4x4, low mileage, excellent condition. \$17,500.
Call 270-563-3000

610 Autos

Buick Century '85
\$425. Call 843-8855.

Grand Am '91
5 speed, new clutch/tires, no hail damage, runs great. \$1600 obo. Call 842-3572.

Grand Am '98
4 door, 4 cyl., Good condition Must sell! Asking \$9,500. Call 502-777-1018.

Grand Prix SE '89
White, all options, \$3,800.
Call 842-8067.

Great 1st Car!
Saturn SL2-green, 4 door, air, auto, tint, ABS, 79k miles. A-1 condition. Books for \$7,100 \$5,900. call 842-0959 after 5pm

GREAT DEAL!!
'93 NISSAN SENTRA - Red, 2 door, 5 speed. Runs great, very reliable. Good starter car \$2,500. Call 502-622-8128.

Honda Accord LX '85
Sedan, All power, 5 speed, documented excellent mechanical condition. Asking \$1,500 negotiable. Call 780-0008.

Honda Civic EX '98
Power sunroof, 4 door, keyless entry, all power. Asking \$16,000. Call 783-9002

Honda Civic '90
Hatchback, new engine, cool air, sunroof, 5 speed, new tire, big belt, grey. \$3500 obo. Call 780-9854.

Honda Odyssey 1996
CD player, all power, 45k miles. 1 owner, \$15,995. call 781-4402.

Infiniti J30 '94 - 54k miles. leather (camel), CD, loaded, moonroof. Dark green. Good Year tires w/ around 4k miles. Books for \$16,600, deal at \$14,000. call 781-7814.

INTREPID '95
68k miles, turquoise color, new tires, new brakes, loaded. Excellent condition. \$7,500. Call 842-5030.

Iroc Z28 Camaro '82
T-Tops, 350 auto, sports wheels, runs good. 98K. Must sell!
\$1200-Call 781-4839

Lincoln Continental '83
\$500 or best offer. Body rough - runs - driven regularly. Call 781-5327.

Lumina Euro '94
4 door, very clean, excellent shape, reliable transportation. 76k miles. 29 mpg-hwy. \$6,900. Call 782-7907.

Malibu '78
355, 700R4, trick flow, Holley. Lunati, less than 5000 on motor, never wrecked, no rust \$4700 obo. Call 781-6314

Maxima GXE '93
Automatic, all power, V6, charcoal gray, silky wheels, 125K, looks and runs great. \$7500. Call 783-4185.

Mazda 626 LX '95 (white)
4K, 4 door, CD, sunroof, power windows/doors, new tires, 60k, \$9,500. Call 781-2890 nights, 783-0367 days

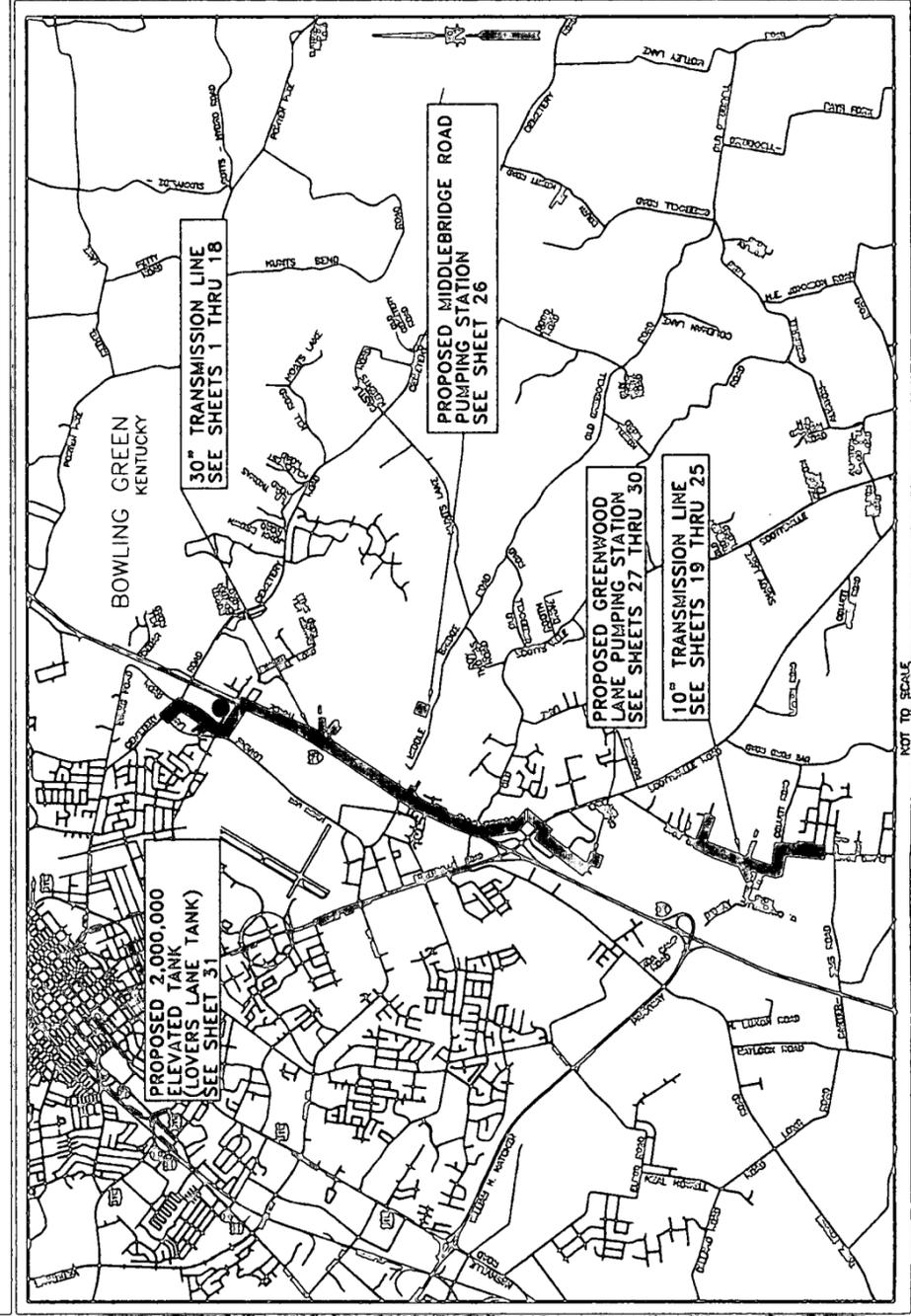
Mazda 929 - 1992
57K miles. \$8,000.
Call 843-9866

WATER SYSTEM ADDITIONS WARREN COUNTY WATER DISTRICT WARREN COUNTY, KENTUCKY

(AS BUILT)
RECORD PLANS

PROJECT 16 - A

WESTSIDE TRANSMISSION LINE & STORAGE FACILITIES



INDEX OF DRAWINGS

CONTRACT - 1

CONTRACT - 2

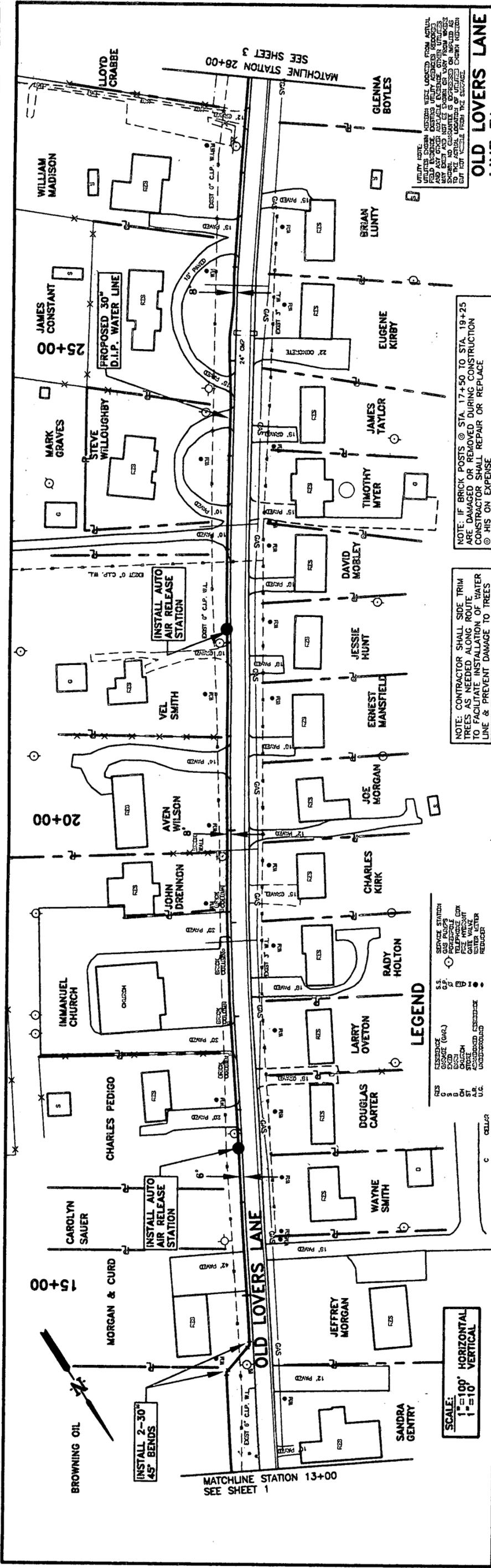
SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
1	PLAN & PROFILE LINE TA STA. 0+00 THRU STA. 13+00	10	PLAN & PROFILE LINE TA STA. 127+00 THRU STA. 134+00
2	PLAN & PROFILE LINE TA STA. 13+00 THRU STA. 28+00	11	PLAN & PROFILE LINE TA STA. 134+00 THRU STA. 142+00
3	PLAN & PROFILE LINE TA STA. 28+00 THRU STA. 40+00	12	PLAN & PROFILE LINE TA STA. 142+00 THRU STA. 157+00
4	PLAN & PROFILE LINE TA STA. 40+00 THRU STA. 52+00	13	PLAN & PROFILE LINE TA STA. 157+00 THRU STA. 172+00
5	PLAN & PROFILE LINE TA STA. 52+00 THRU STA. 67+00	14	PLAN & PROFILE LINE TA STA. 172+00 THRU STA. 187+00
6	PLAN & PROFILE LINE TA STA. 67+00 THRU STA. 82+00	15	PLAN & PROFILE LINE TA STA. 187+00 THRU STA. 202+00
7	PLAN & PROFILE LINE TA STA. 82+00 THRU STA. 97+00	16	PLAN & PROFILE LINE TA STA. 202+00 THRU STA. 215+00
8	PLAN & PROFILE LINE TA STA. 97+00 THRU STA. 112+00	17	PLAN & PROFILE LINE TA STA. 215+00 THRU STA. 230+00
9	PLAN & PROFILE LINE TA STA. 112+00 THRU STA. 127+00	18	PLAN & PROFILE LINE TA STA. 230+00 THRU STA. 245+00
10	PLAN & PROFILE LINE TA STA. 127+00 THRU STA. 142+00	19	PLAN & PROFILE LINE TA STA. 245+00 THRU STA. 259+00
26	MIDDLE BRIDGE ROAD PUMPING STATION STANDARD WATERWORK DETAILS	20	PLAN & PROFILE LINE TB STA. 134+00 THRU STA. 139+00
WD		21	PLAN & PROFILE LINE TB STA. 139+00 THRU STA. 142+00
		22	PLAN & PROFILE LINE TB STA. 142+00 THRU STA. 157+00
		23	PLAN & PROFILE LINE TB STA. 157+00 THRU STA. 172+00
		24	PLAN & PROFILE LINE TB STA. 172+00 THRU STA. 187+00
		25	PLAN & PROFILE LINE TB STA. 187+00 THRU STA. 202+00
		26	PLAN & PROFILE LINE TB STA. 202+00 THRU STA. 215+00
		27	PLAN & PROFILE LINE TB STA. 215+00 THRU STA. 230+00
		28	PLAN & PROFILE LINE TB STA. 230+00 THRU STA. 245+00
		29	GREENWOOD LAKE PUMPING STATION INTERIOR PIPING PLAN GREENWOOD LAKE PUMPING STATION STRUCTURAL DETAILS GREENWOOD LAKE PUMPING STATION ELECTRICAL & HVAC STANDARD WATERWORK DETAILS
		30	WD

CONTRACT - 3

SHEET NO.	DESCRIPTION
31	2,000,000 GALLON ELEVATED STORAGE TANK (LOWERS LAKE TANK) STANDARD WATERWORK DETAILS
WD	

SET NO.

4-0000 DWG



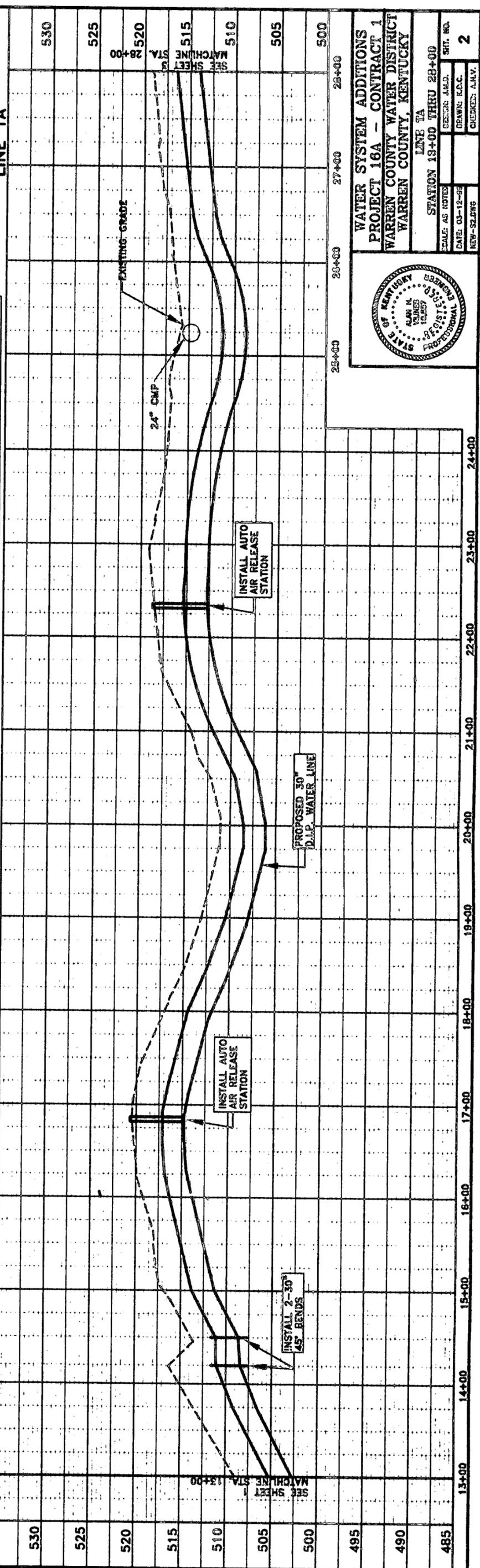
SCALE:
 1" = 100' HORIZONTAL
 1" = 10' VERTICAL

NOTE: CONTRACTOR SHALL SIDE TRIM TREES AS NEEDED ALONG ROUTE TO FACILITATE INSTALLATION OF WATER LINE & PREVENT DAMAGE TO TREES

NOTE: IF BRICK POSTS @ STA. 17+50 TO STA. 19+25 ARE DAMAGED OR REMOVED DURING CONSTRUCTION CONTRACTOR SHALL REPAIR OR REPLACE @ HIS OWN EXPENSE

LEGEND

RES	RESIDENCE (WALL)	S.S.	SEWER STATION
C	CELLAR	○	○
9	9" DIA. PIPE	○	○
12	12" DIA. PIPE	○	○
18	18" DIA. PIPE	○	○
24	24" DIA. PIPE	○	○
30	30" DIA. PIPE	○	○
36	36" DIA. PIPE	○	○
42	42" DIA. PIPE	○	○
48	48" DIA. PIPE	○	○
54	54" DIA. PIPE	○	○
60	60" DIA. PIPE	○	○
66	66" DIA. PIPE	○	○
72	72" DIA. PIPE	○	○
78	78" DIA. PIPE	○	○
84	84" DIA. PIPE	○	○
90	90" DIA. PIPE	○	○
96	96" DIA. PIPE	○	○
102	102" DIA. PIPE	○	○
108	108" DIA. PIPE	○	○
114	114" DIA. PIPE	○	○
120	120" DIA. PIPE	○	○
126	126" DIA. PIPE	○	○
132	132" DIA. PIPE	○	○
138	138" DIA. PIPE	○	○
144	144" DIA. PIPE	○	○
150	150" DIA. PIPE	○	○
156	156" DIA. PIPE	○	○
162	162" DIA. PIPE	○	○
168	168" DIA. PIPE	○	○
174	174" DIA. PIPE	○	○
180	180" DIA. PIPE	○	○
186	186" DIA. PIPE	○	○
192	192" DIA. PIPE	○	○
198	198" DIA. PIPE	○	○
204	204" DIA. PIPE	○	○
210	210" DIA. PIPE	○	○
216	216" DIA. PIPE	○	○
222	222" DIA. PIPE	○	○
228	228" DIA. PIPE	○	○
234	234" DIA. PIPE	○	○
240	240" DIA. PIPE	○	○
246	246" DIA. PIPE	○	○
252	252" DIA. PIPE	○	○
258	258" DIA. PIPE	○	○
264	264" DIA. PIPE	○	○
270	270" DIA. PIPE	○	○
276	276" DIA. PIPE	○	○
282	282" DIA. PIPE	○	○
288	288" DIA. PIPE	○	○
294	294" DIA. PIPE	○	○
300	300" DIA. PIPE	○	○



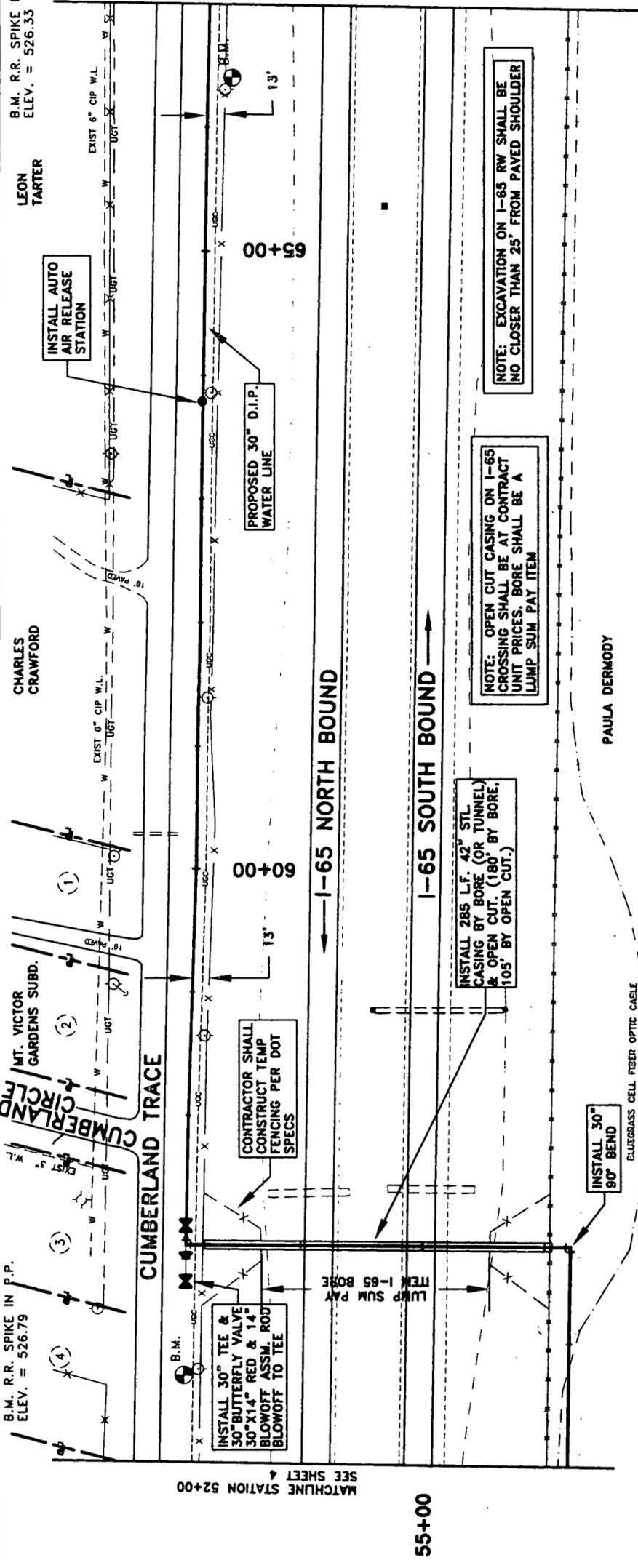
**WATER SYSTEM ADDITIONS
 PROJECT 16A - CONTRACT 1
 WARREN COUNTY WATER DISTRICT
 WARREN COUNTY, KENTUCKY**

LINE TA
 STATION 13+00 THRU 28+00

SCALE: AS NOTED
 DATE: 03-12-62
 DRAWN: E.D.C.
 CHECKED: A.M.V.

DESIGNER: J.M.D.
 SURV. NO. 2

B.M. R.R. SPIKE IN P.P. ELEV. = 526.79
 B.M. R.R. SPIKE IN P.P. ELEV. = 526.33



RESTRAINED JOINT PIPE & FITTINGS. STA. 53+80 TO 58+60

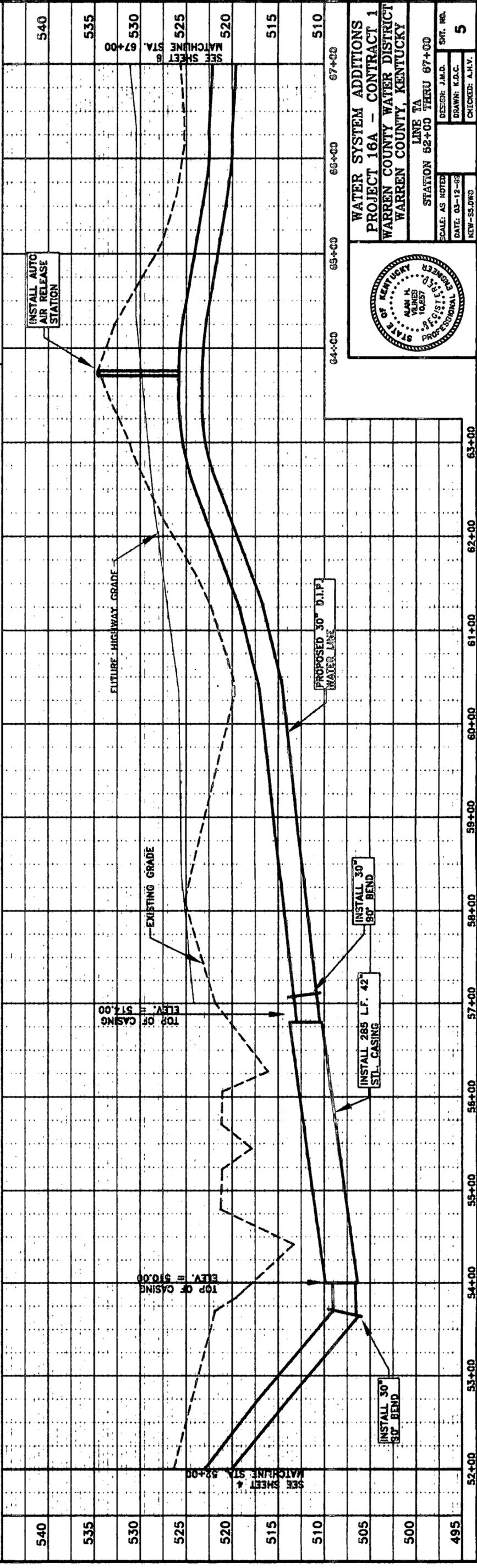
SCALE: 1" = 100' HORIZONTAL
 1" = 10' VERTICAL

LEGEND

- RESIDENCE (RES.)
- CHURCH
- BAR
- AMBERGLED RESIDENCE
- U.G.
- CELLAR
- RESIDENCE (RES.)
- GAS PUMPS
- SEWER
- TELEPHONE BOX
- FREE AIRWAY
- WATER VALVE
- WATER METER
- ENCLOSURE

UTILITY NOTES: PERSONS NOT LOCATED FROM ACTUAL FIELD SURVEY. EXISTING UTILITIES SHOWN AS INDICATED BY THIS DRAWING. OTHER UTILITIES SHOWN AS INDICATED BY THIS DRAWING. THE ACTUAL LOCATION OF UTILITIES SHOWN HEREIN MAY BE DIFFERENT FROM THE SURFACE LOCATION SHOWN HEREIN.

CUMBERLAND TRACE LINE TA



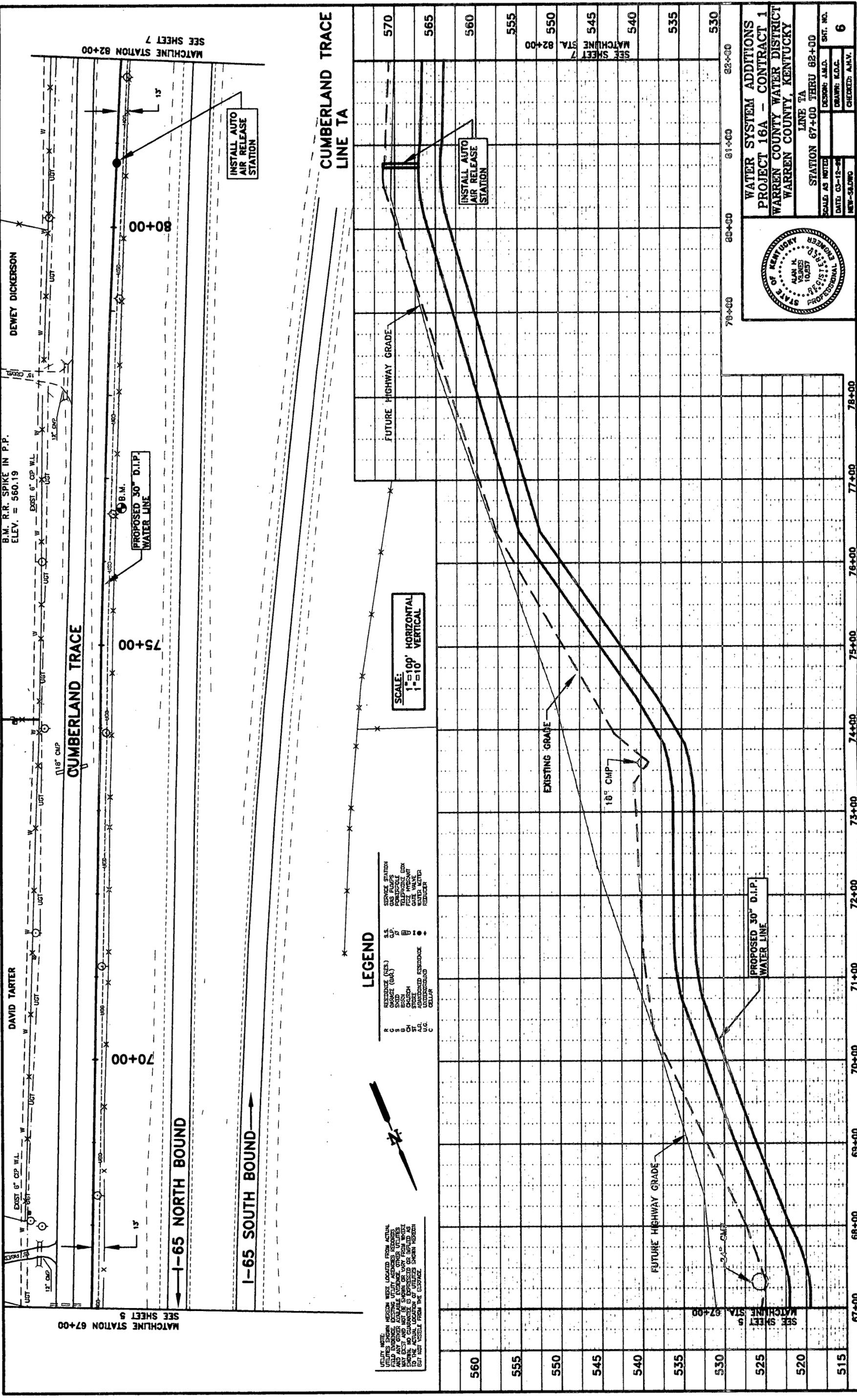
**WATER SYSTEM ADDITIONS
 PROJECT 16A - CONTRACT 1
 WARREN COUNTY WATER DISTRICT
 WARREN COUNTY, KENTUCKY**

LINE TA
 STATION 52+00 THRU 67+00

SCALE: AS NOTED
 DATE: 03-12-62
 NEW-SS-DWG

DESIGN: J.M.D.
 DRAWN: K.D.C.
 CHECKED: A.H.V.

SHT. NO. **5**



B.M. R.R. SPIKE IN P.P.
ELEV. = 560.19

DAVID TARTER

DEWEY DICKERSON

MATCHLINE STATION 67+00
SEE SHEET 5

MATCHLINE STATION 82+00
SEE SHEET 7

CUMBERLAND TRACE

CUMBERLAND TRACE
LINE TA

1-65 NORTH BOUND

1-65 SOUTH BOUND

PROPOSED 30" D.I.P.
WATER LINE

PROPOSED 30" D.I.P.
WATER LINE

- LEGEND**
- R RESIDENCE (RES.)
 - G GARAGE (GAR.)
 - S S.S.
 - D D.
 - CH CH.
 - ST ST.
 - U.C. U.C.
 - C CELLAR
 - SERVICE STATION
 - GAS PUMP
 - FORDOLUBLE COP.
 - FEEZ HYDRANT
 - GATE VALVE
 - REDUCER

UTILITY NOTE
RESIDENCES SHOWN WERE LOCATED FROM ACTUAL
FIELD SURVEY. EXISTING UTILITY ASSESSMENT RECORDS
AND ANY OTHER AVAILABLE ENGINEERING RECORDS
WAS REVIEWED. THE LOCATION OF UTILITIES SHOWN
HEREIN IS BASED ON THE INFORMATION PROVIDED AND
IS NOT A GUARANTEE OF THE LOCATION OF UTILITIES SHOWN HEREIN
BUT NOT VISIBLE FROM THE SURFACE.

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL

FUTURE HIGHWAY GRADE

EXISTING GRADE

16" CMP

FUTURE HIGHWAY GRADE

24" CMP

560
555
550
545
540
535
530
525
520
515

570
565
560
555
550
545
540
535
530

STATE OF KENTUCKY
PLANNING BOARD
REGISTERED PROFESSIONAL ENGINEER
ALAN M. PALMER
10437

WATER SYSTEM ADDITIONS
PROJECT 16A - CONTRACT 1
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

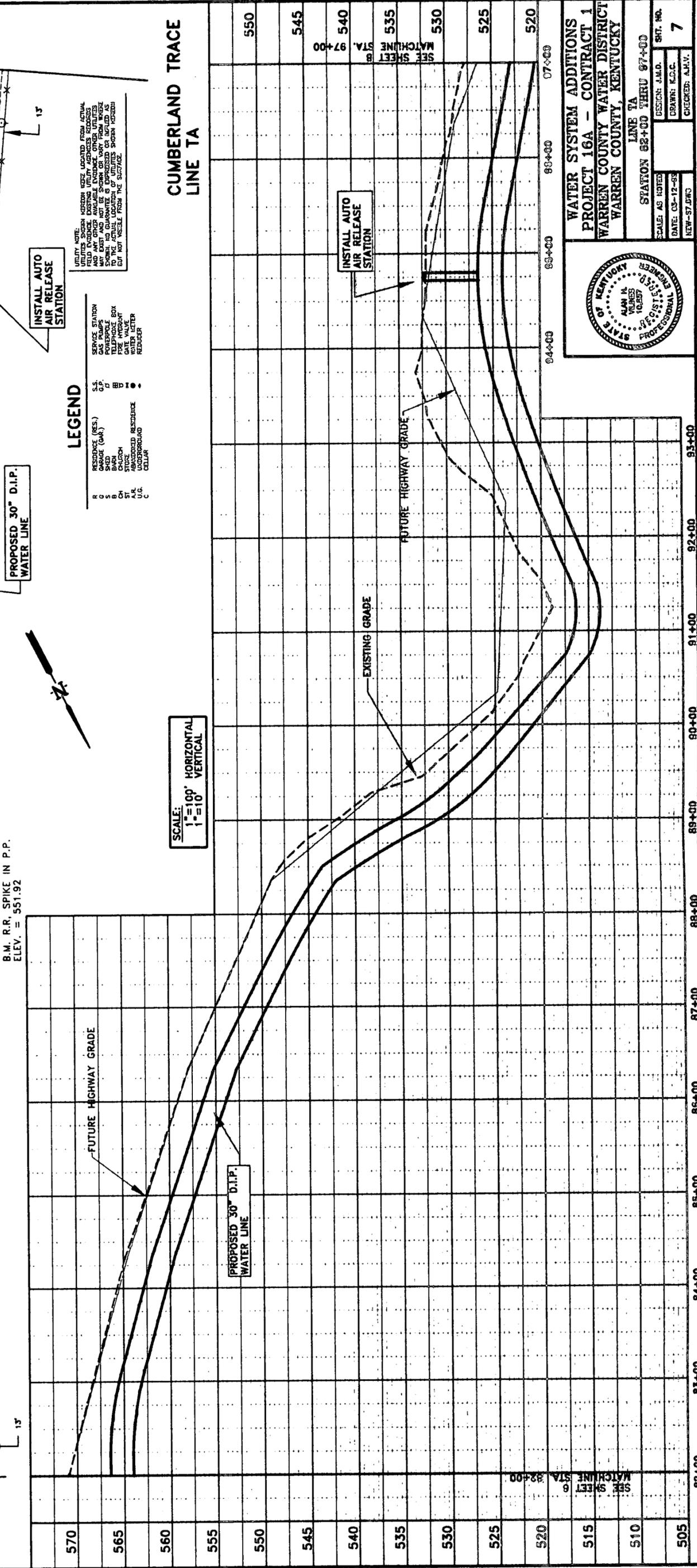
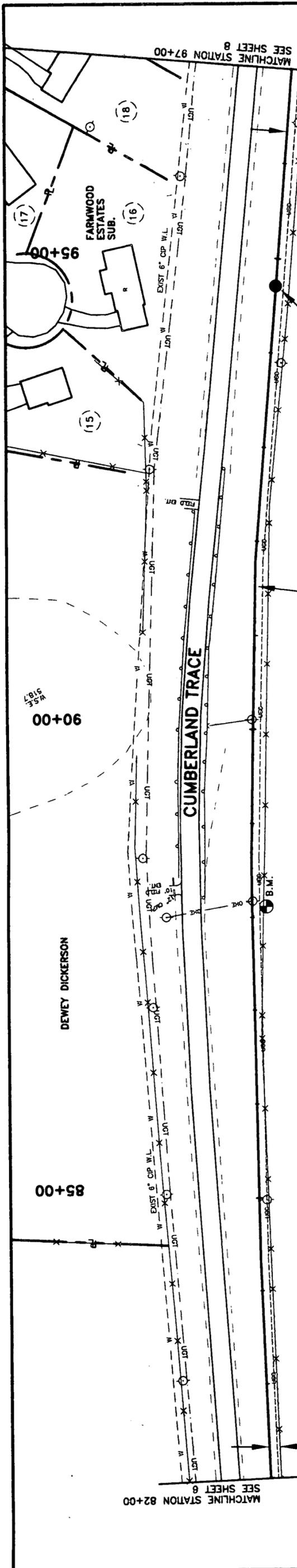
LINE TA
STATION 67+00 THRU 82+00

SCALE: AS NOTED
DATE: 03-12-88
DESIGN: J.M.D.
DRAWN: E.O.C.
CHECKED: A.M.V.

NEW-36JWC

SHT. NO. 6

67+00 68+00 69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00



- LEGEND**
- R RESIDENCE (RES.)
 - G GARAGE (GAR.)
 - S SHOP
 - CH CHURCH
 - ST STORE
 - U.U. UNDERGROUND
 - C CELLAR
 - S.S. SERVICE STATION
 - D DRAINAGE
 - P PUMP
 - F FIRE HYDRANT
 - W WATER
 - G.G. GATE VALVE
 - R.R. REDUCER

UTILITY NOTE:
 UTILITY LOCATIONS SHOWN WERE LOCATED FROM ACTUAL SURVEY DATA. OTHER UTILITIES NOT SHOWN MAY EXIST AND NOT BE SHOWN OR VARY FROM EXISTING. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES NOT SHOWN ON THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES NOT SHOWN ON THIS PLAN.

SCALE:
 1" = 100' HORIZONTAL
 1" = 10' VERTICAL



WATER SYSTEM ADDITIONS
 PROJECT 16A - CONTRACT 1
 WARREN COUNTY WATER DISTRICT
 WARREN COUNTY, KENTUCKY

LINE TA
 STATION 82+00 THRU 97+00

SCALE: AS NOTED
 DESIGN: J.A.D.
 DATE: 03-12-88
 DRAWN: E.D.C.
 CHECKED: A.M.V.

SHT. NO. 7

MATCHLINE STATION 82+00
 SEE SHEET 6

MATCHLINE STA. 93+00
 SEE SHEET 8

MATCHLINE STATION 97+00
 SEE SHEET 8

B.M. R.R. SPIKE IN P.P.
 ELEV. = 551.92

85+00

90+00

95+00

82+00

83+00

84+00

85+00

86+00

87+00

88+00

89+00

90+00

91+00

92+00

93+00

07+00

80+00

85+00

90+00

95+00

570

565

560

555

550

545

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535

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525

520

515

510

505

550

545

540

535

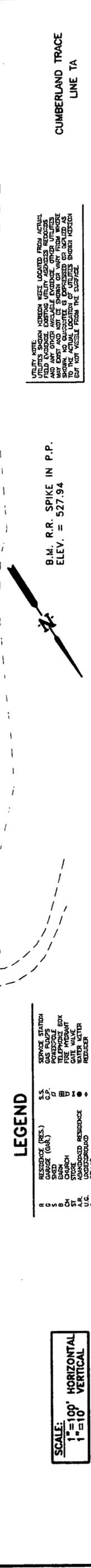
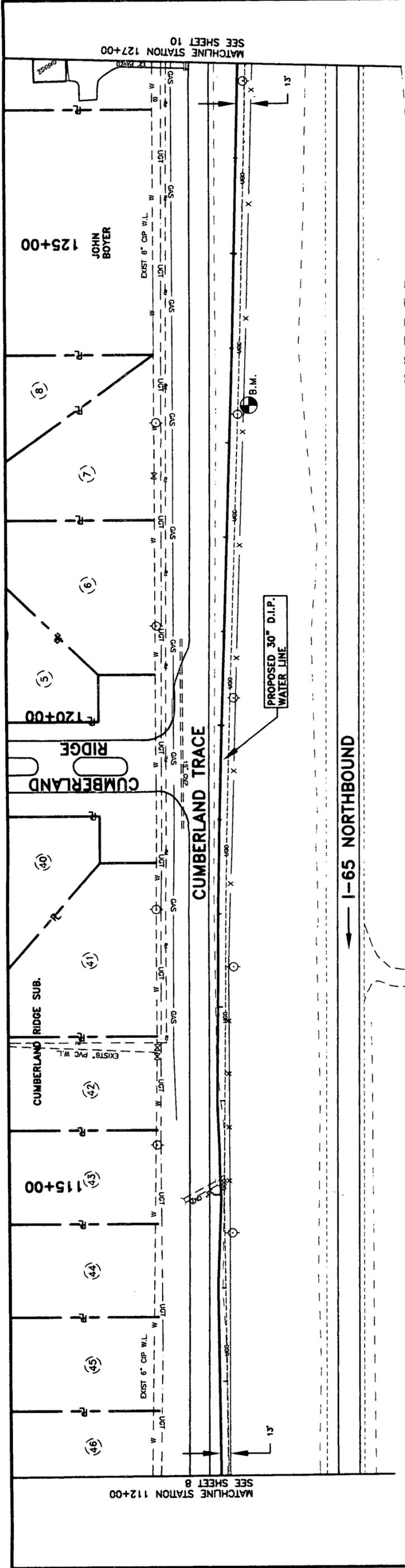
530

525

520

SEE SHEET 5
 MATCHLINE STA. 97+00

SEE SHEET 6
 MATCHLINE STA. 82+00



LEGEND

- R RESIDENCE (RES.)
- S S.S.
- RESIDENCE (GAR.)
- SHED
- BARN
- STABLE
- STORAGE
- ADVANCED RESIDENCE
- UNDERGROUND
- CELLAR
- S.S.
- POLE
- TELEPHONE BOX
- STREET LIGHT
- WATER VALVE
- WATER LETTER
- REDUCER

SCALE:
 1" = 100' HORIZONTAL
 1" = 10' VERTICAL

UTILITY NOTE:
 ALL UTILITIES SHOWN WERE LOCATED FROM ACTUAL FIELD SURVEY. EXISTING UTILITIES ARE SHOWN AS DASHED LINES. ALL UTILITIES SHOWN AS SOLID LINES WERE LOCATED FROM RECORD DRAWINGS. THE LOCATION OF UTILITIES SHOWN HEREON IS NOT VISIBLE FROM THE SURFACE.

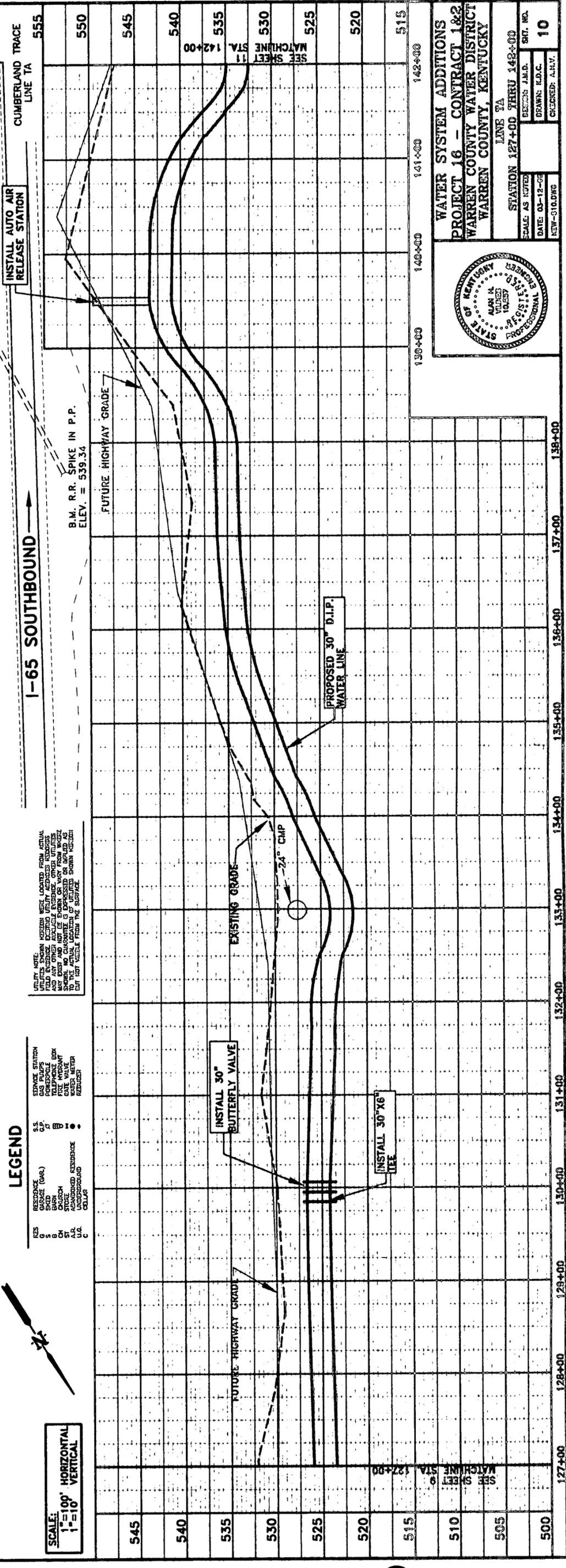
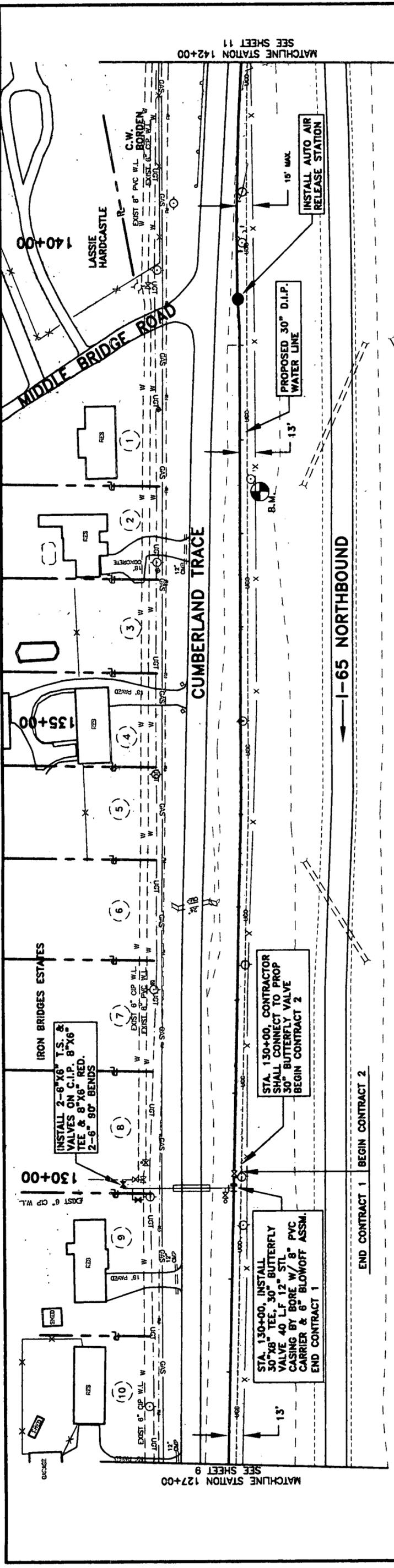
B.M. R.R. SPIKE IN P.P.
 ELEV. = 527.94



WATER SYSTEM ADDITIONS
 PROJECT 16 A - CONTRACT 1
 WARREN COUNTY WATER DISTRICT
 WARREN COUNTY, KENTUCKY
 LINE TA
 STATION 112+00 THRU 127+00
 SCALE: AS NOTED
 DATE: 03-12-88
 NEW-SJ-DWG
 DESIGN: J.M.D.
 DRAWN: K.C.C.
 CHECKED: A.H.V.
 SHEET NO. 9

535	124+00	125+00	126+00	127+00
530				
525				
520				
515				
510				
505				
500				
495				
490				

MATCHLINE STATION 112+00 SEE SHEET 8
 MATCHLINE STATION 127+00 SEE SHEET 10
 JOHN BOYER
 125+00
 120+00
 115+00
 112+00



LEGEND

RES	RESIDENCE	(G.S.)	G.S.
0	BARREL	(P)	P
1	BRIDGE	(B)	B
2	CHURCH	(C)	C
3	STOCK	(S)	S
4	UNDERGROUND	(U)	U
5	CELLAR	(C)	C
6	SEWER STATION	(S.S.)	S.S.
7	GAS PUMP	(G.P.)	G.P.
8	MANHOLE	(M)	M
9	PRECAST BOX	(P.B.)	P.B.
10	PIPE INTERSECTION	(I)	I
11	DATE VALVE	(D.V.)	D.V.
12	UNDERGROUND	(U)	U
13	REDUCED	(R)	R

SCALE:
 1" = 100' HORIZONTAL
 1" = 10' VERTICAL



WATER SYSTEM ADDITIONS
 PROJECT 16 - CONTRACT 1&2
 WARREN COUNTY WATER DISTRICT
 WARREN COUNTY, KENTUCKY

STATION 127+00 THRU 142+00

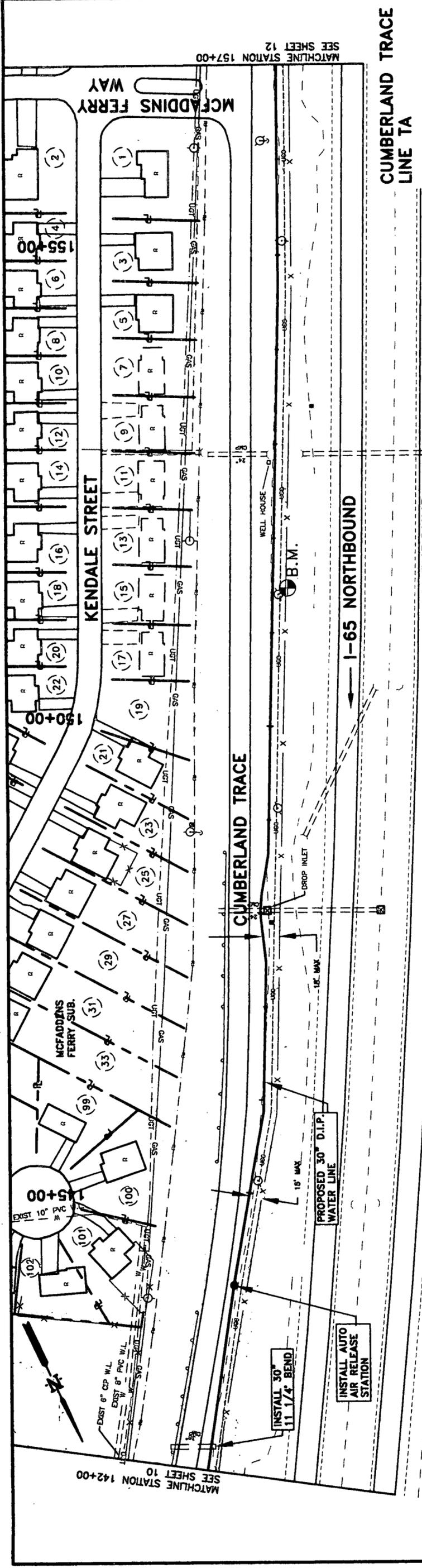
DATE: 03-12-02
 DRAWN: E.D.C.
 CHECKED: A.H.V.

LINE TA

SEE SHEET 11
 MATCHLINE STATION 142+00

SEE SHEET 9
 MATCHLINE STA. 127+00

127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00



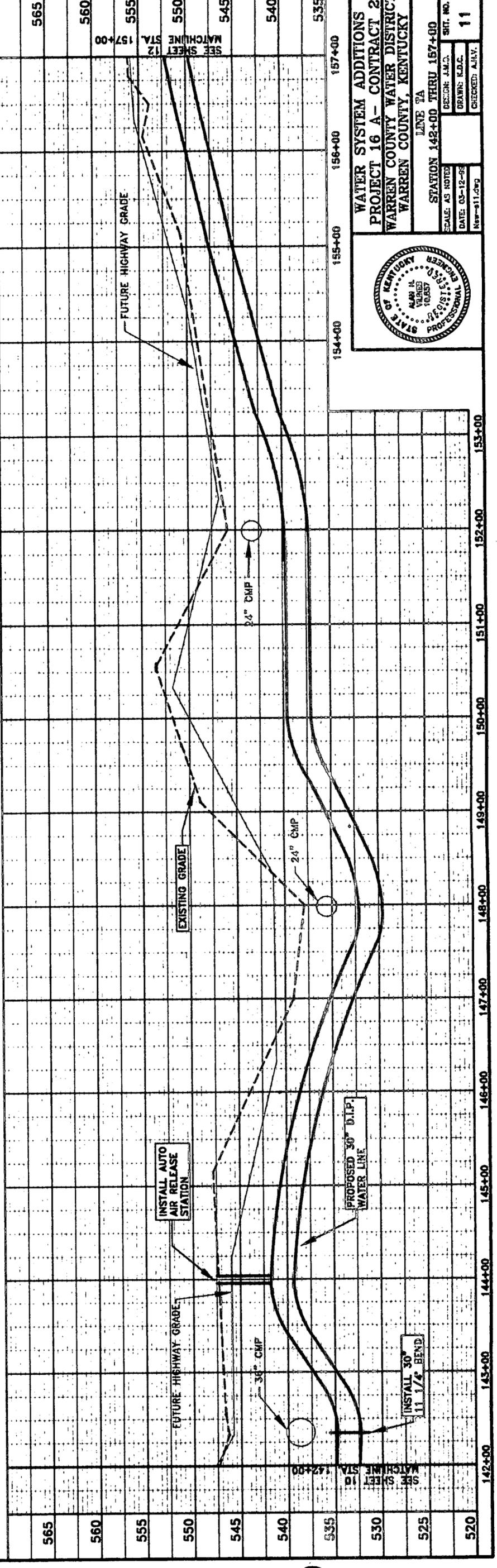
LEGEND

- R RESIDENCE (SEE)
- S SERVICE STATION
- SH SHED
- CH CHURCH
- GN GRANARY
- A.P. ABOVEGROUND RESERVOIR
- U.G. UNDERGROUND RESERVOIR
- C CELLAR
- S.S. SEWER
- P.P. POWER POLE
- T.B. TELEPHONE BOX
- W.W. WATER WELL
- W.W. WATER VALVE
- W.M. WATER METER
- R.R. RAILROAD

SCALE:
 1" = 100' HORIZONTAL
 1" = 10' VERTICAL

UTILITY NOTE:
 UTILITIES SHOWN HEREIN WERE LOCATED FROM ACTUAL SURVEY DATA AND FIELD OBSERVATION. OTHER UTILITIES MAY EXIST AND NOT BE SHOWN OR VARY FROM THESE LOCATIONS. THE LOCATION OF UTILITIES SHOWN HEREIN IS NOT WARRANTED BY THE SURVEYOR.

B.M. R.R. SPIKE IN P.P.
 ELEV. = 551.89



WATER SYSTEM ADDITIONS
 PROJECT 16 A - CONTRACT 2
 WARREN COUNTY WATER DISTRICT
 WARREN COUNTY, KENTUCKY

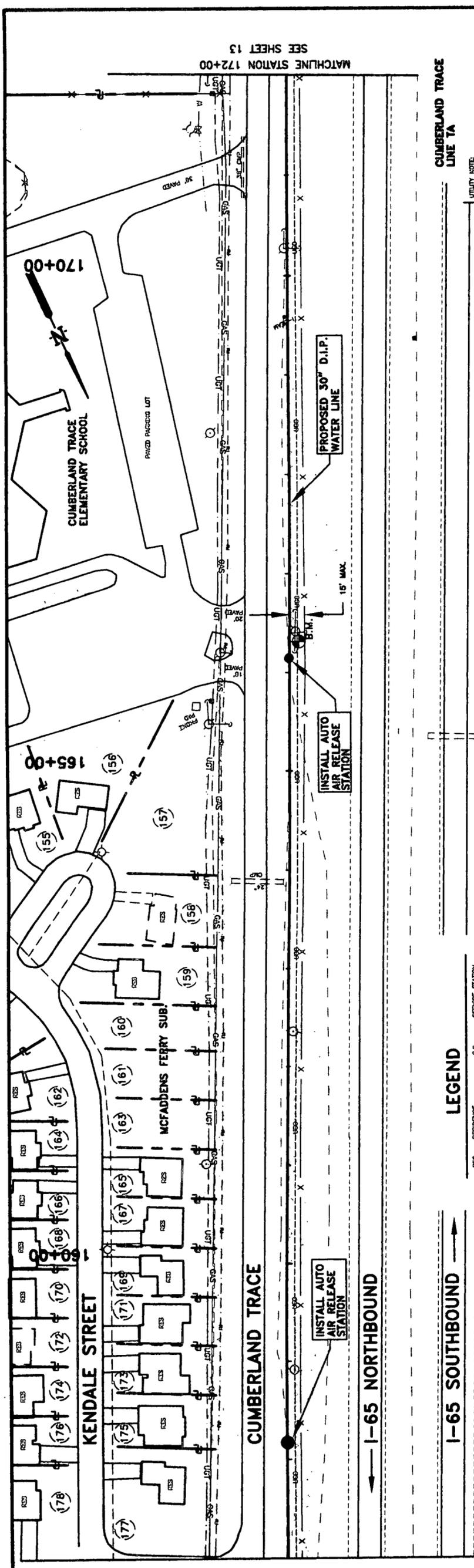
LINE TA
 STATION 142+00 THRU 157+00

SCALE: AS NOTED
 DATE: 03-12-08
 DRAWN: J.M.C.
 CHECKED: A.M.V.
 SHEET NO. 11

MATCHLINE STATION 142+00
 SEE SHEET 10

MATCHLINE STATION 157+00
 SEE SHEET 12

MATCHLINE STATION 157+00
SEE SHEET 11



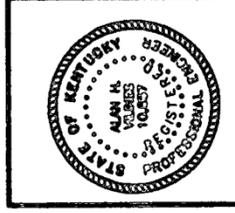
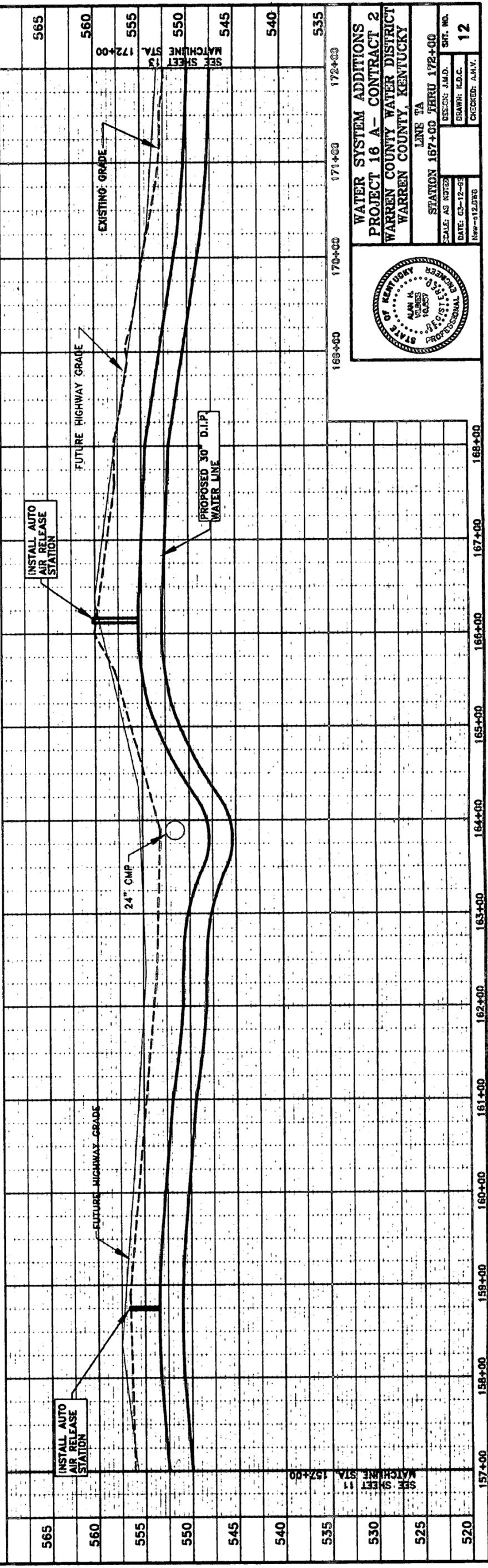
MATCHLINE STATION 172+00
SEE SHEET 13

- LEGEND**
- RES RESIDENCE
 - CO GAS CO.
 - W WATER
 - S.S. SANITARY SEWER
 - UP UP
 - TR TELEPHONE
 - PC FIRE HYDRANT
 - ST SANITARY
 - U.G. UNDERGROUND
 - C CELLAR
 - SR SERVICE STATION
 - GP GAS PUMP
 - TE TELEPHONE BOX
 - PI FIRE HYDRANT
 - CA CATCH BASIN
 - UN UNASSIGNED RESIDENCE
 - U.G. UNDERGROUND
 - C CELLAR

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL

B.M. R.R. SPIKE IN P.P.
ELEV. = 561.63

UTILITY NOTES:
VERTICAL CURVES LOCATED FROM ACTUAL FIELD EVIDENCE. EXISTING UTILITY ASSESSED. RECORDS AND ANY OTHER AVAILABLE RECORDS OF OTHER UTILITIES SHOULD BE GUARANTEED BY THE USER. THE USER SHALL BE RESPONSIBLE FOR THE LOCATION OF UTILITIES EXCEPT AS SHOWN HEREON. THE USER SHALL BE RESPONSIBLE FOR THE LOCATION OF UTILITIES EXCEPT AS SHOWN HEREON. THE USER SHALL BE RESPONSIBLE FOR THE LOCATION OF UTILITIES EXCEPT AS SHOWN HEREON.



WATER SYSTEM ADDITIONS
PROJECT 16 A - CONTRACT 2
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

LINE TA

STATION 167+00 THRU 172+00

SCALE: AS NOTED
DATE: 03-12-05
DESIGN: J.M.D.
DRAWN: E.D.C.
CHECKED: A.M.V.

12

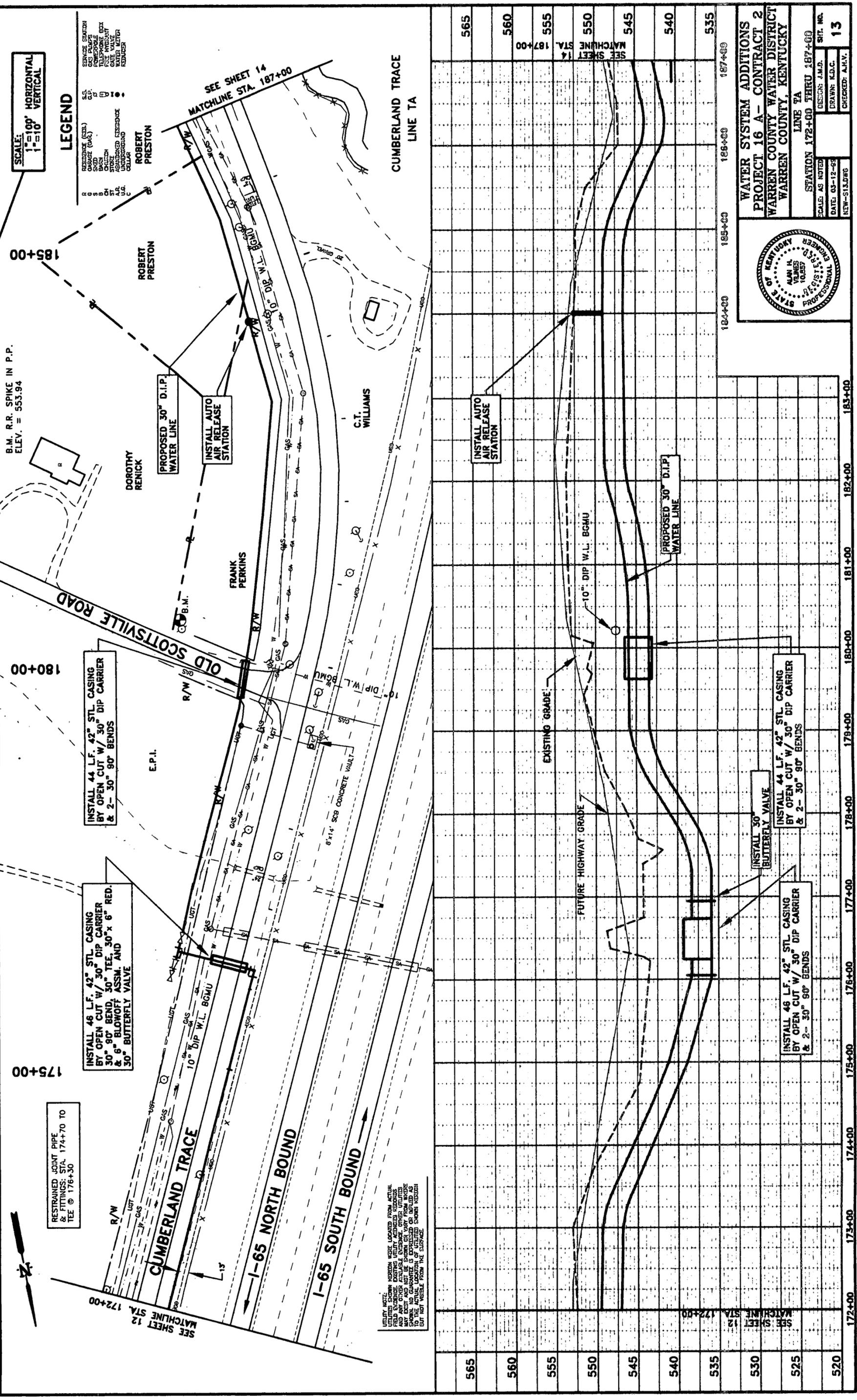
SCALE:
1"=100' HORIZONTAL
1"=10' VERTICAL

LEGEND

- SERVICE STATION
- POWERPOLE
- TELEPHONE BOX
- TELEPHONE
- GATE VALVE
- WATER METER
- REDUCER

- ROBERT PRESTON
- DOROTHY RENICK
- FRANK PERKINS
- C.T. WILLIAMS

B.M. R.R. SPIKE IN P.P.
ELEV. = 553.94



RESTRAINED JOINT PIPE
& FITTINGS: STA. 174+70 TO
TEE @ 176+30

INSTALL 46 L.F. 42" STL. CASING
BY OPEN CUT W/ 30" DIP CARRIER
& 6" BLOWOFF ASSM. AND
30" BUTTERFLY VALVE

INSTALL 44 L.F. 42" STL. CASING
BY OPEN CUT W/ 30" DIP CARRIER
& 2- 30" 90° BENDS

INSTALL 30"
BUTTERFLY VALVE

INSTALL 46 L.F. 42" STL. CASING
BY OPEN CUT W/ 30" DIP CARRIER
& 2- 30" 90° BENDS

INSTALL 44 L.F. 42" STL. CASING
BY OPEN CUT W/ 30" DIP CARRIER
& 2- 30" 90° BENDS

INSTALL AUTO
AIR RELEASE
STATION

PROPOSED 30" D.I.P.
WATER LINE

FUTURE HIGHWAY GRADE

EXISTING GRADE

10" DIP W.L. BCMU

UTILITY NOTE:
UTILITIES SHOWN HEREIN WERE LOCATED FROM ACTUAL
SURVEY DATA AND ARE SHOWN FOR INFORMATION ONLY.
THEY ARE NOT TO BE SHOWN OR USED FROM THIS
DRAWING FOR ANY OTHER PURPOSES. THE LOCATION OF UTILITIES
SHOWN HEREIN IS NOT TO BE USED FOR ANY OTHER PURPOSES
UNLESS SPECIFICALLY NOTED OTHERWISE.



WATER SYSTEM ADDITIONS
PROJECT 16 A - CONTRACT 2
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

LINE TA
STATION 172+00 THRU 187+00

SCALE: AS NOTED
DATE: 03-12-95
REV: -S13.DWG

DESIGN: J.M.D.
DRAWN: M.D.C.
CHECKED: A.H.V.

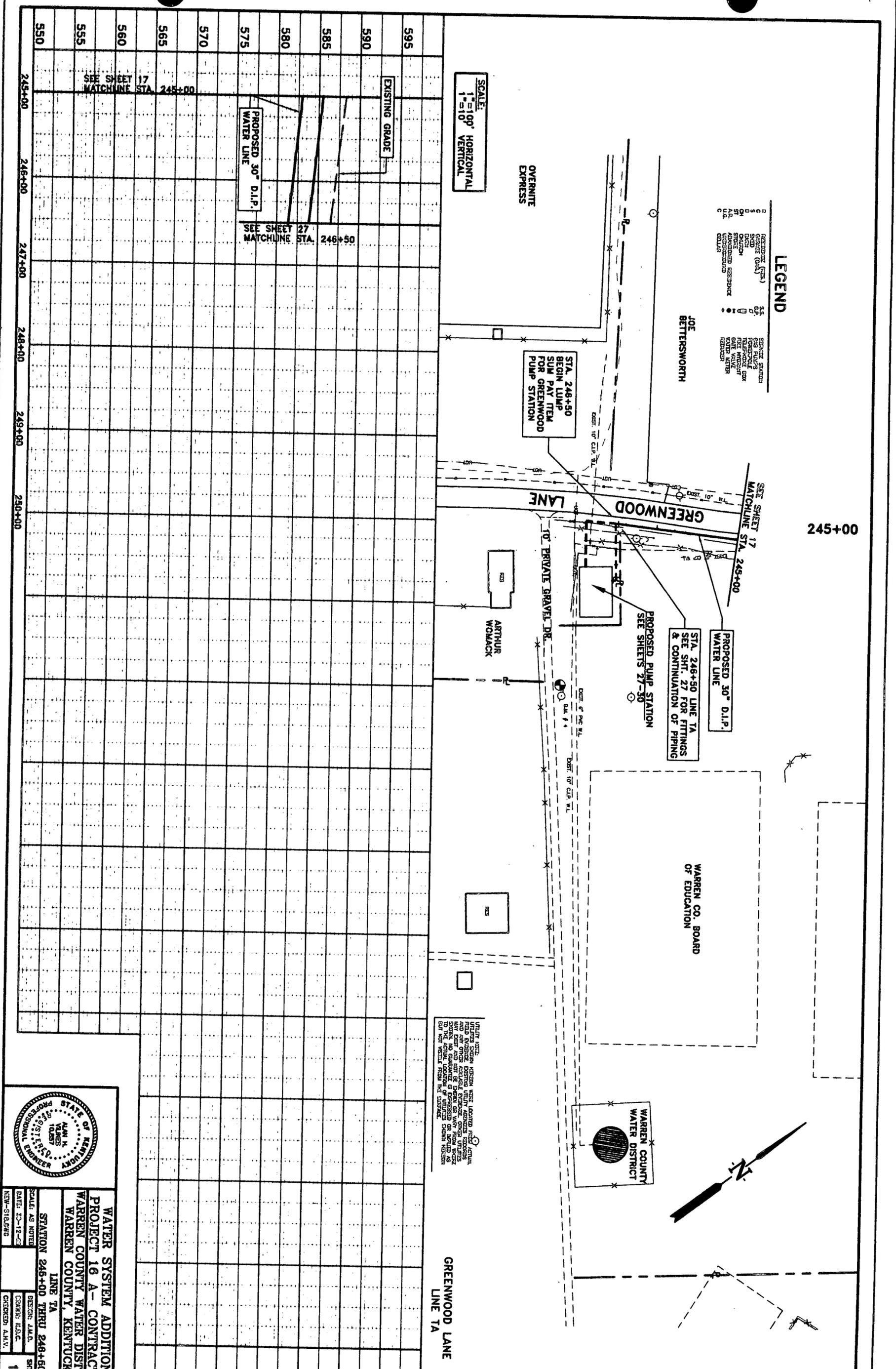
SHEET NO. **13**

565	187+00	535
560	186+00	530
555	185+00	525
550	184+00	520
545	183+00	
540	182+00	
535	181+00	
	180+00	
	179+00	
	178+00	
	177+00	
	176+00	
	175+00	
	174+00	
	173+00	

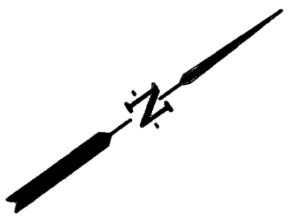
LEGEND

- SERVICE STATION
- FLOW METER
- TELEPHONE BOX
- FIRE WIRELESS
- WATER METER
- REDUCER
- SERVICE STATION
- FLOW METER
- TELEPHONE BOX
- FIRE WIRELESS
- WATER METER
- REDUCER
- SERVICE STATION
- FLOW METER
- TELEPHONE BOX
- FIRE WIRELESS
- WATER METER
- REDUCER

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL



UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PIPE UNLESS SPECIFICALLY NOTED OTHERWISE. DIMENSIONS TO THE ACTUAL LOCATION OF UNITS SHALL BE NOTED BY THE CONTRACTOR.



WATER SYSTEM ADDITIONS
PROJECT 16 A - CONTRACT 2
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY
 LINE 7A
 STATION 246+00 THRU 246+60
 SCALE AS NOTED
 DATE 12-12-63
 NEW-518298
 DESIGNER: J.M.D.
 CHECKER: A.H.V.
 SHEET NO. 18



SEE SHEET 19
MATCHLINE STA. 15+00

JOE PENDELTON

20+00

PROPOSED 10" CLASS
200 PVC WATER LINE

25+00

DEWEY GREATHOUSE

DEWEY GREATHOUSE

SEE SHEET 21
MATCHLINE STA. 30+00

DEWEY GREATHOUSE

PLANO ROAD ~ HWY. 622

EXIST. WATER LINE

EXIST. WATER LINE

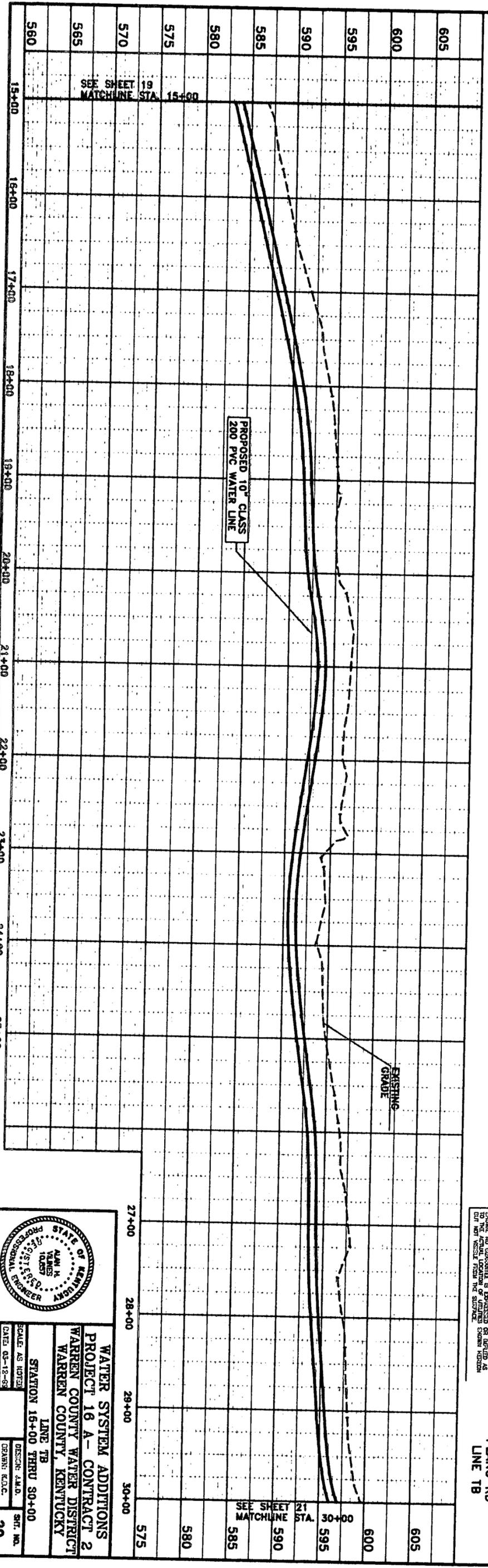
LEGEND

RES.	RESIDENCE	S.S.	SERVICE STATION
GR.	GRADE (ELEV.)	○	MANHOLE
ST.	STREET	□	TELEPHONE BOX
ST.	STREET	□	WATER METER
U.A.	UNADJUSTED RESIDENCE	○	WATER LETTER
C	CONDUIT	○	REDUCED

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL

UTILITY NOTE:
EXISTING UTILITIES LOCATED FROM AERIAL PHOTO RECONNAISSANCE. EXISTING UTILITIES AND ANY OTHER AVAILABLE EVIDENCE. OTHER UTILITIES SHOWN ARE FOR INFORMATION ONLY. LOCATIONS TO THE ACTUAL LOCATION OF UTILITIES SHOWN HEREON MAY NOT VESSELS FROM THE SURFACE.

PLANO RD
LINE TB



PROPOSED 10" CLASS
200 PVC WATER LINE

EXISTING
GRADE



WATER SYSTEM ADDITIONS
PROJECT 16 A - CONTRACT 2
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

LINE TB
STATION 16+00 THRU 30+00

SCALE AS NOTED
DATE: 03-12-03
NEW-STATUS

DIRECTOR: J.M.D.
DESIGNER: R.O.C.
CHECKED: A.E.V.

SHT. NO. 20

SEE SHEET 21
MATCHLINE STA. 30+00

575

580

585

590

595

600

605

605

605

605

605

605

605

605

605

605

605

605

605

605

605

605



PROPOSED 10" CLASS
200 PVC WATER LINE

LEGEND

CS	CONCRETE	SS	STEEL STRUCTURE
GR	GRAVEL (G.S.)	ST	STEEL TUBING
SD	SHED	TR	TRUCK
SM	SMITHY	TE	TELEPHONE EXCH.
ST	STONE	VE	VALVE
UD	UNDERGROUND	WA	WATER LETTER
UW	UNDERGROUND	WD	WATER LETTER
C	CALLS		

SEE SHEET 20
MATCHLINE STA. 30+00

PLANO ROAD~HWY. 622

35+00

DEWEY
GREATHOUSE

CEDARMOOR
ESTATES

ATLANTIS WAY

40+00

INSTALL 4" Tee
& 4" BLOW-OFF
10" x 4" Tee

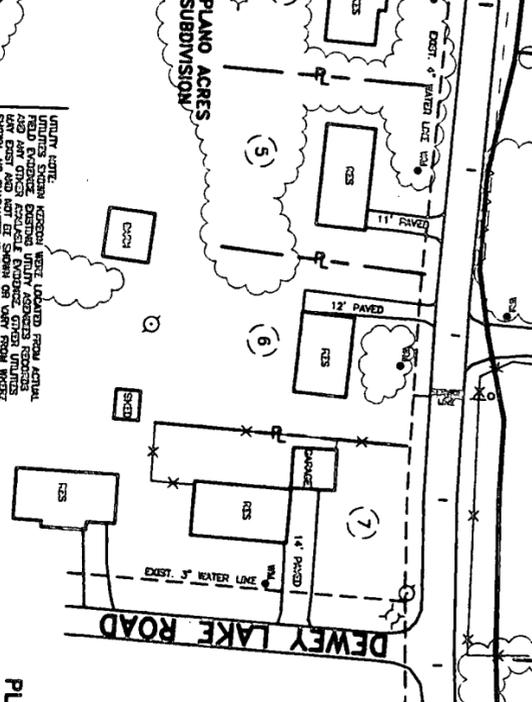
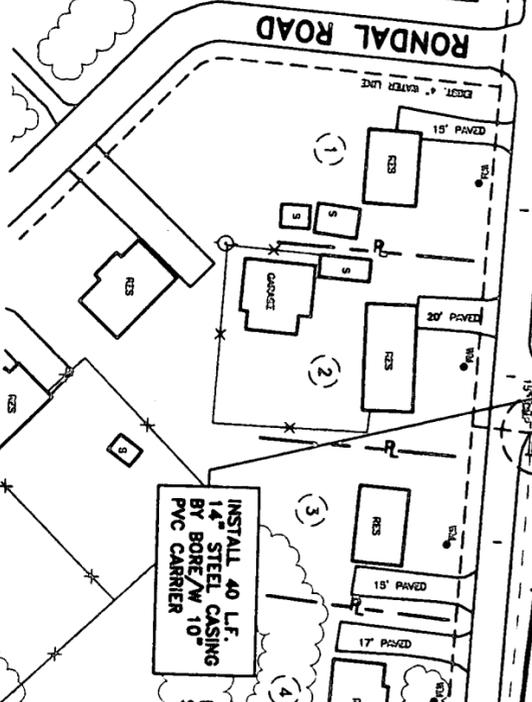
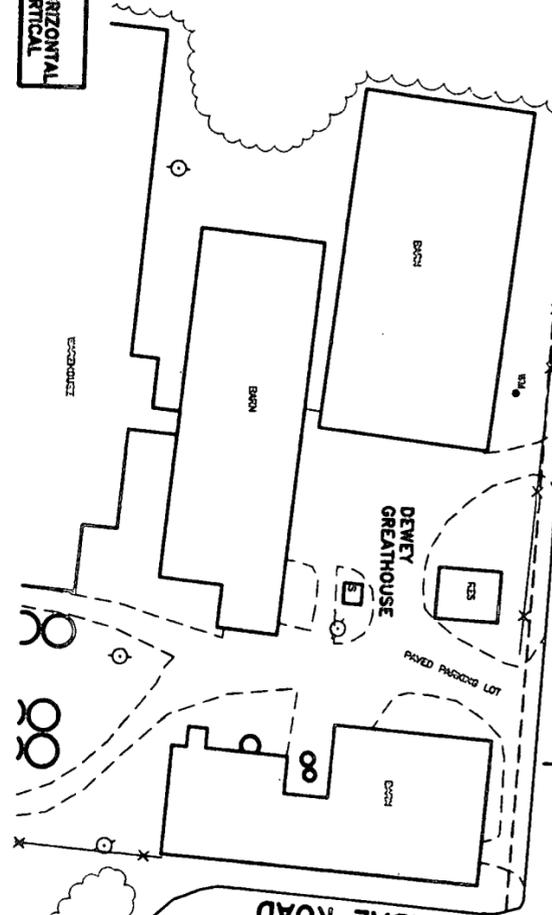
WATER LINE TO BE INSTALLED IN
STATE R/W STA. 40+ 80 TO STA. 41+ 50

JERRY FORSTHE

WARREN
JOST

SEE SHEET 22
MATCHLINE STA. 45+00

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL



UTILITY LETTER
UNDERGROUND WATER LOCATED FROM ACTUAL
FIELD EXPOSURE. EXPOSURE COORDINATES
AND ANY OTHER AVAILABLE EXPOSURE COORDINATES
SHOWN ON THIS SHEET OR FROM ANY OTHER SOURCE
TO THE ACTUAL LOCATION OF UTILITY OPEN TRENCH
BUT NOT NEARER THAN THE SURFACE.

PLANO ROAD
LINE TB

585	30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00	45+00	580
610																	610
605																	605
600																	600
595																	595
590																	590
585																	585
580																	580
575																	575
570																	570
565																	565

SEE SHEET 20
MATCHLINE STA. 30+00

PROPOSED 10" CLASS
200 PVC WATER LINE

INSTALL 40 L.F.
1 1/2" STEEL CASING
BY BORE/W/ 10"
PVC CARRIER

EXISTING GRADE

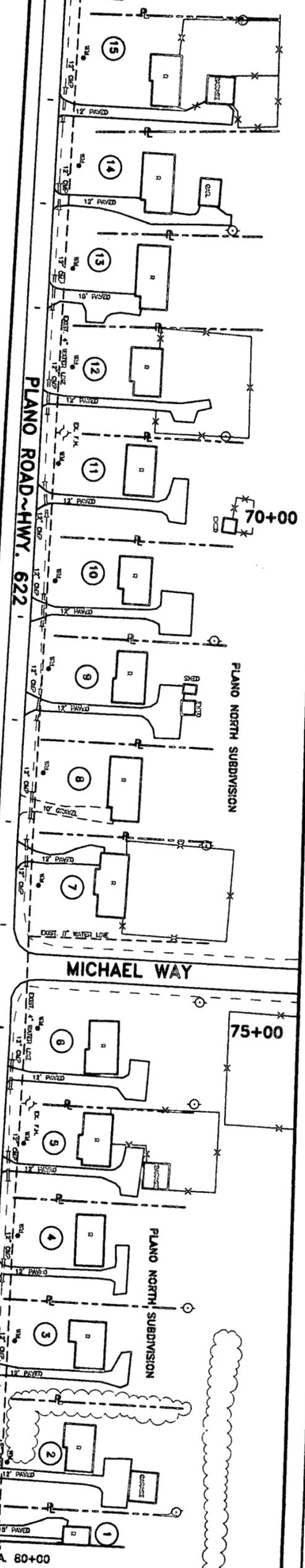
SEE SHEET 22
MATCHLINE STA. 45+00



WATER SYSTEM ADDITIONS
PROJECT 16 A - CONTRACT 2
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

LINE TB
STATION 30+00 THRU 45+00
SCALE AS NOTED
DATE 09-12-03
DESIGN: A.M.D.
DRAWN: E.O.C.
CHECKED: A.M.V.
SHEET NO. 21

SEE SHEET 23
MATCHLINE STA. 65+00



SEE SHEET 25
MATCHLINE STA. 80+00

SCALE:
1" = 100' HORIZONTAL
1" = 10' VERTICAL

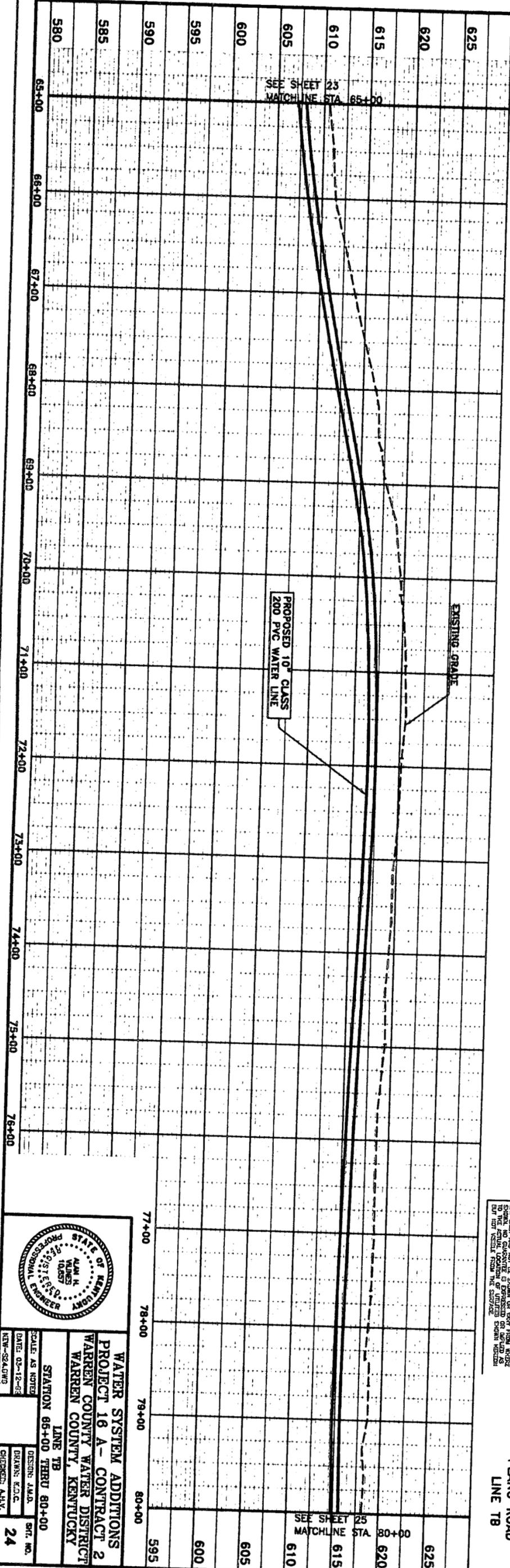
- LEGEND**
- R RESERVE (RES)
 - S SOLE (SOL)
 - B BARR
 - SM SLOPE
 - A.A. ADJUSTED RESERVE
 - U.G. UNDERGROUND
 - C CULVERT
 - S.S. SERVICE STATION
 - O.P. OIL PUMP
 - B.P. BURNING PUMP
 - T.P. TRAFFIC PUMP
 - F.V. FIRE VALVE
 - G.V. GATE VALVE
 - R.V. REDUCER

J. CLIFTE YADON



UTILITY NOTES:
UNITS SHOWN HEREIN WERE LOCATED FROM ACTUAL FIELD SURVEY. EXISTING UTILITIES ARE SHOWN AS APPROXIMATE LOCATIONS. ANY AND ALL UTILITIES NOT SHOWN ARE THE RESPONSIBILITY OF THE USER. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION SHOWN HEREIN.

PLANO ROAD
LINE TB



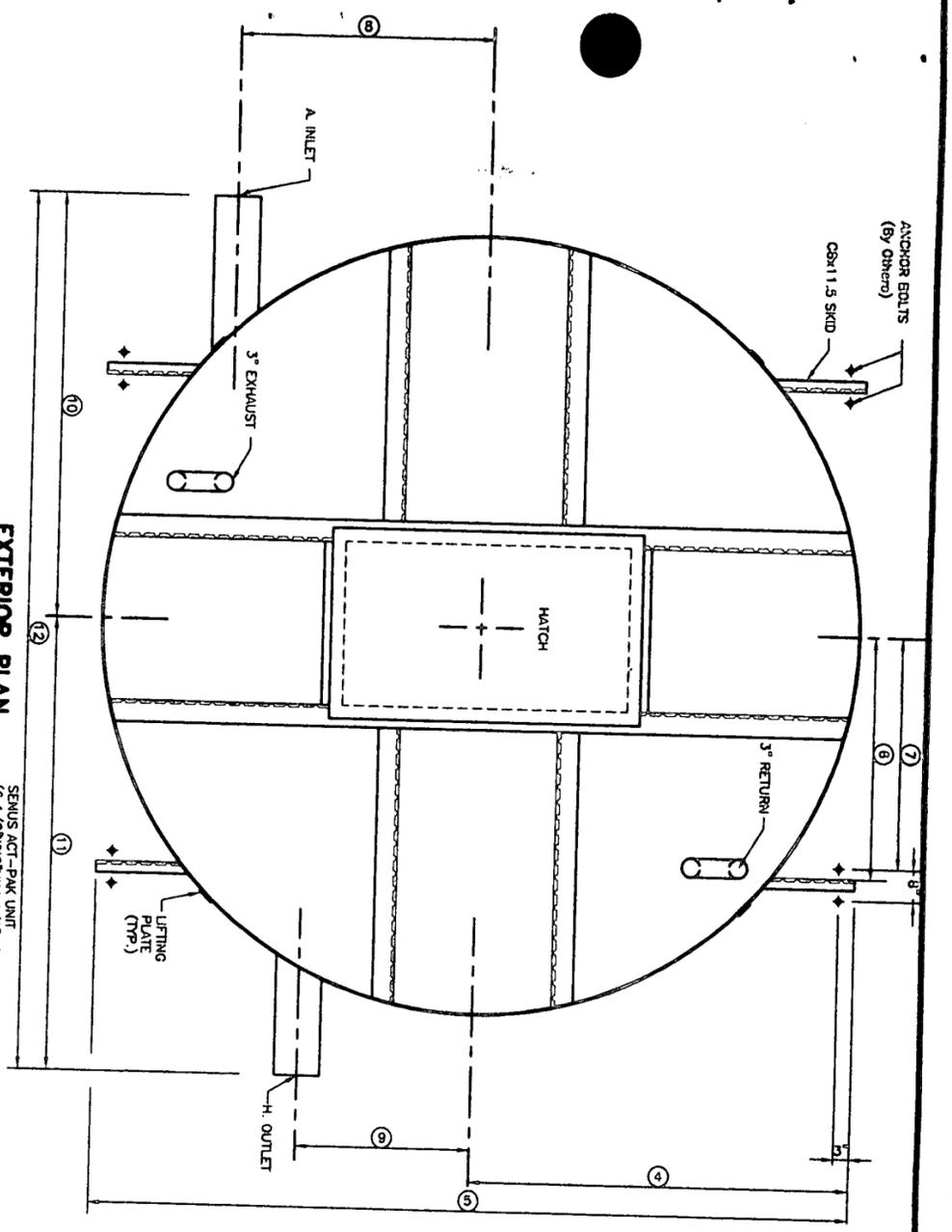
WATER SYSTEM ADDITIONS
PROJECT 16 A- CONTRACT 2
WARREN COUNTY WATER DISTRICT
WARREN COUNTY, KENTUCKY

LINE TB
STATION 65+00 THRU 80+00

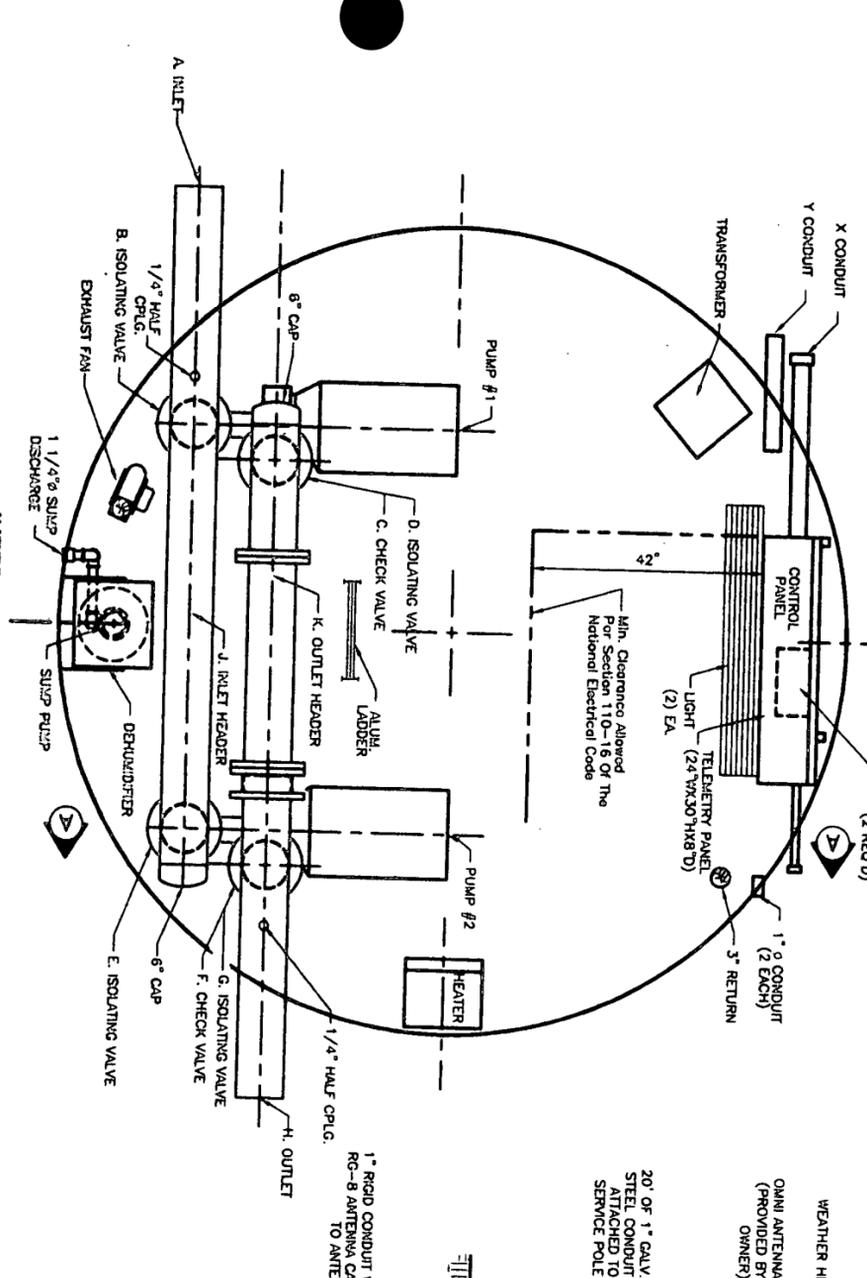
SCALE AS NOTED
DATE 02-12-93
NEW-324.013

DESIGNER: A.M.B.
DRAWN: E.C.C.
CHECKED: A.H.V.

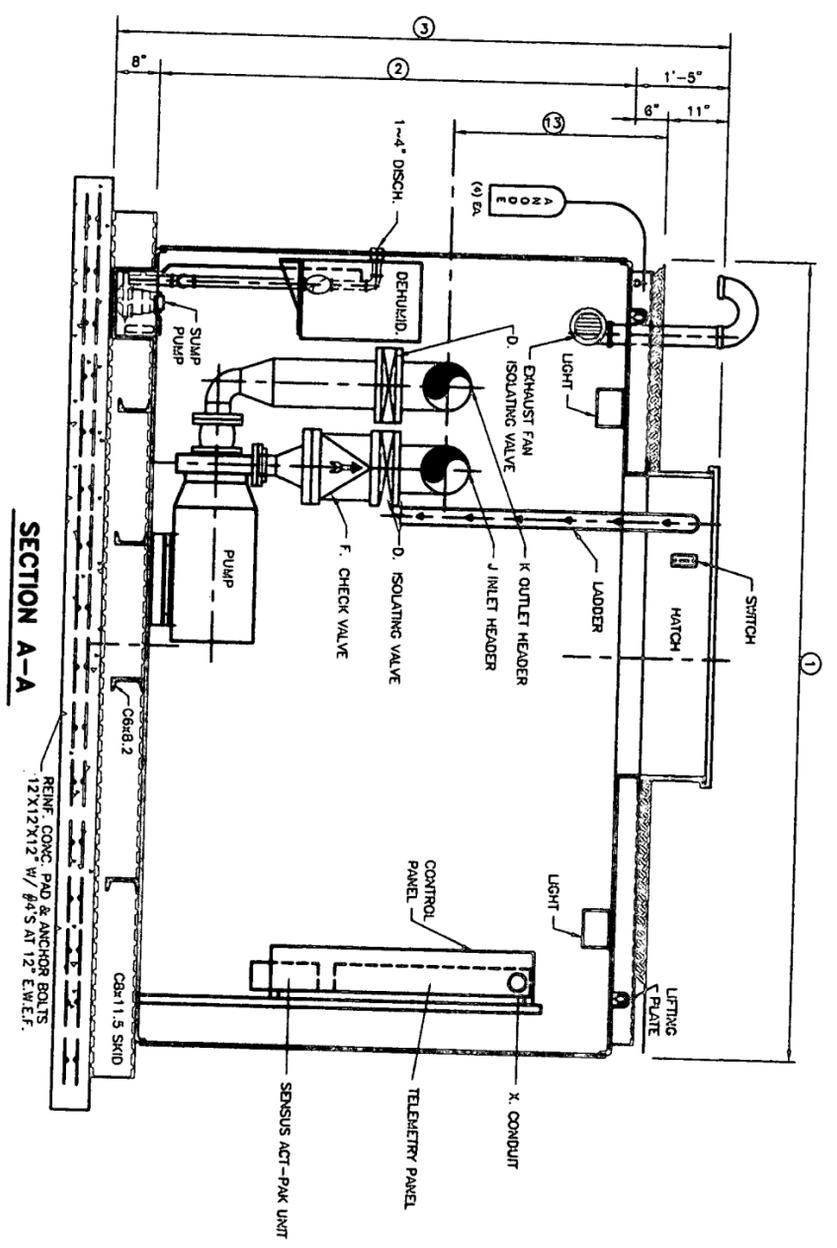
SHEET NO. 24



EXTERIOR PLAN



INTERIOR PLAN



SECTION A-A

DESIGN CRITERIA

Controls TELEMETRING
 Power Service: 480 Volts, 3 Phase, 60 Cycle
 X, 3 Dia. Conduit 1", 2-1" Dia. Conduits

PUMP DATA

Type: HORIZ. GLOBE G.P.D., END SUCTION
 Pump 1
 Capacity: 400 GPM at 250 Feet T.D.H.
 Size: 2 1/2" X 3"
 Motor: 50 H.P., 3500 R.P.M.
 Pump 2
 Capacity: 400 GPM at 250 Feet T.D.H.
 Size: 2 1/2" X 3"
 Motor: 50 H.P., 3500 R.P.M.

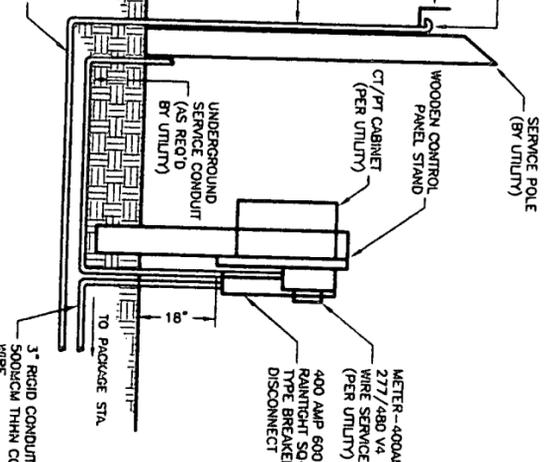
SIZING & DIMENSIONAL DATA

- A. 6" DIA. INLET
- B. 6" ISOLATING VALVE
- C. 6" CHECK VALVE
- D. 6" ISOLATING VALVE
- E. 6" ISOLATING VALVE
- F. 6" CHECK VALVE
- G. 6" ISOLATING VALVE
- H. 6" DIA. OUTLET
- I. 1'-9" Q. OF INLET
- J. 6" DIA. INLET HEADER
- K. 6" DIA. OUTLET HEADER
- ① 11'-0" CAPSULE DIAMETER
- ② 7'-3" CAPSULE HEIGHT
- ③ 9'-4" TOTAL HEIGHT
- ④ 5'-6" END OF SKID
- ⑤ 11'-0" TOTAL SKID LENGTH
- ⑥ 3'-6" Q. FACE OF SKID
- ⑦ 3'-4" Q. ANCHOR BOLT
- ⑧ 3'-0" Q. OF INLET
- ⑨ 1'-9" Q. OF OUTLET
- ⑩ 6'-3" Q. INLET PIPE
- ⑪ 7'-0" Q. OUTLET PIPE
- ⑫ 13'-3" TOTAL LAYING LENGTH
- ⑬ 3'-0" DEPTH OF CURRY Q. BASK

ELECTRICAL SERVICE DETAIL

NOT TO SCALE

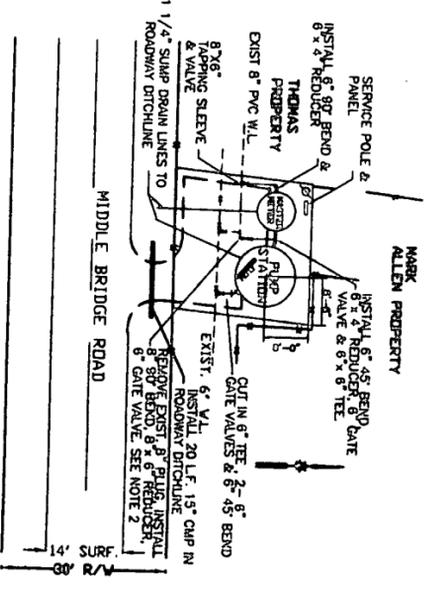
NOTE: ELECTRICAL CONTRACTOR SHALL SHALL INSTALL THE DRIVEN RODS AND SQUARE D DRIVEN LIGHTNING ARRESTOR



SITE PLAN

SCALE: 1" = 30'

- NOTES**
- CONTRACTOR SHALL INSTALL 6" COMPACTED OGA AS SHOULDER FOR ENTRANCE & TURN AROUND
 - CONTRACTOR SHALL INSTALL ROADW. GRIP RINGS ON 6" 90° BEND AT THE IN
 - LETTER VAULT FOR THIS STATION SHALL HAVE DEVELOPED BOTTOM SURFACE CONCRETE TO INSTALL ROADW. & FRING TO EXIST ROADWAY DITCHLINE. SEE DETAIL SHEET
 - ORIENTATION OF PUMP STATION IS AT WHICH DRAINAGE SHALL VERIFY ALIGNMENT FROM TO INSTALLATION.



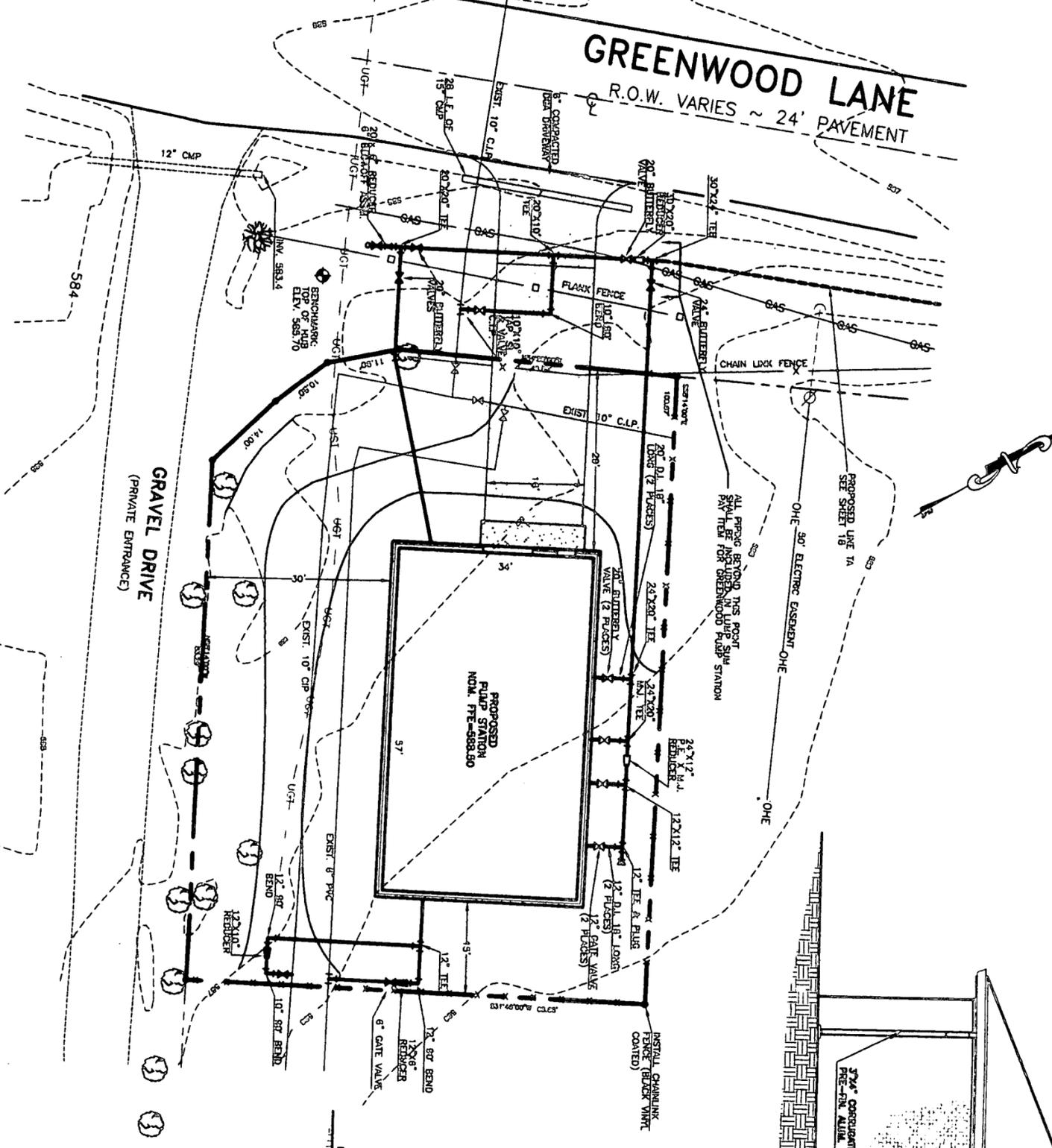
WARREN COUNTY WATER DISTRICT PROJECT 16A - CONTRACT 1

WARREN COUNTY, KENTUCKY

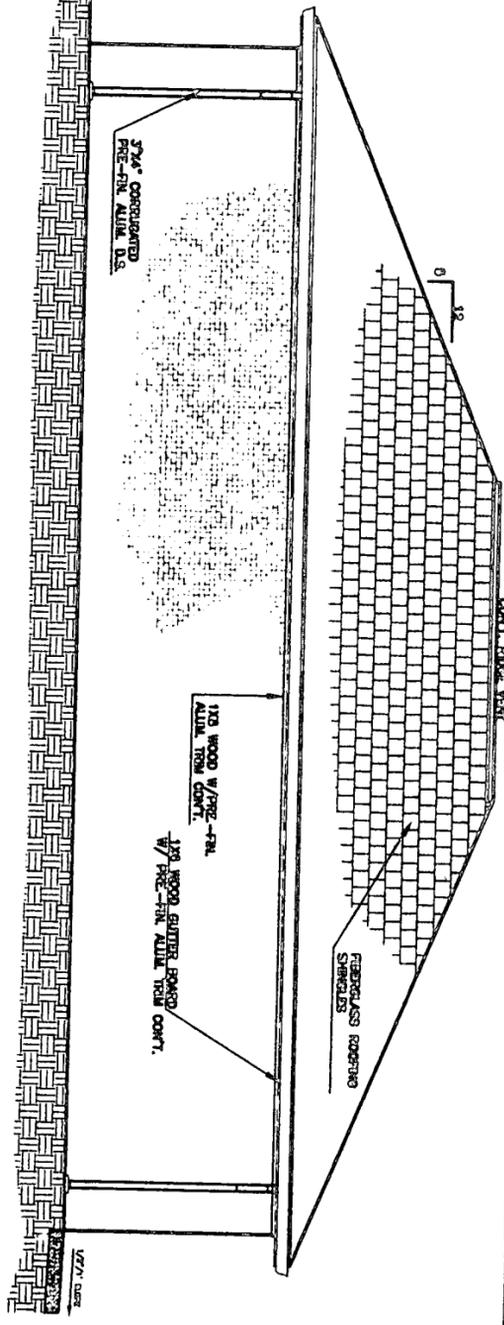
MIDDLEBRIDGE PUMPING STATION

DATE: 03-13-88
 DRAWN: JH
 CHECKED: JH
 26

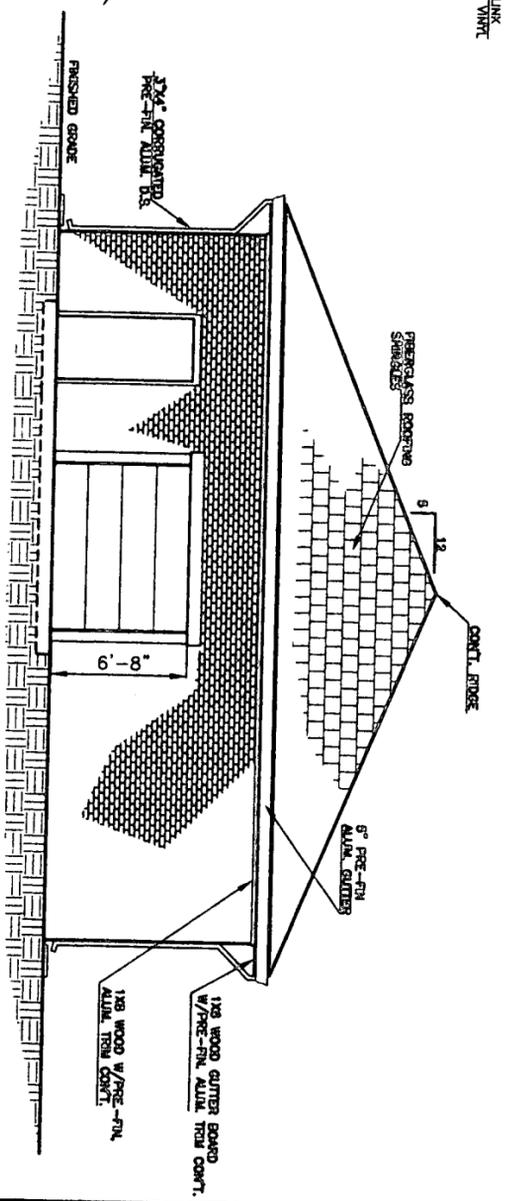
NOTES:
 1. ALL PIPES BEYOND THIS POINT SHALL BE FITTED FOR GREENWOOD PUMP STATION.
 2. ALL PIPES BEYOND THIS POINT SHALL BE FITTED FOR GREENWOOD PUMP STATION.
 3. ALL PIPES BEYOND THIS POINT SHALL BE FITTED FOR GREENWOOD PUMP STATION.



SITE PLAN
 SCALE: 1" = 20'



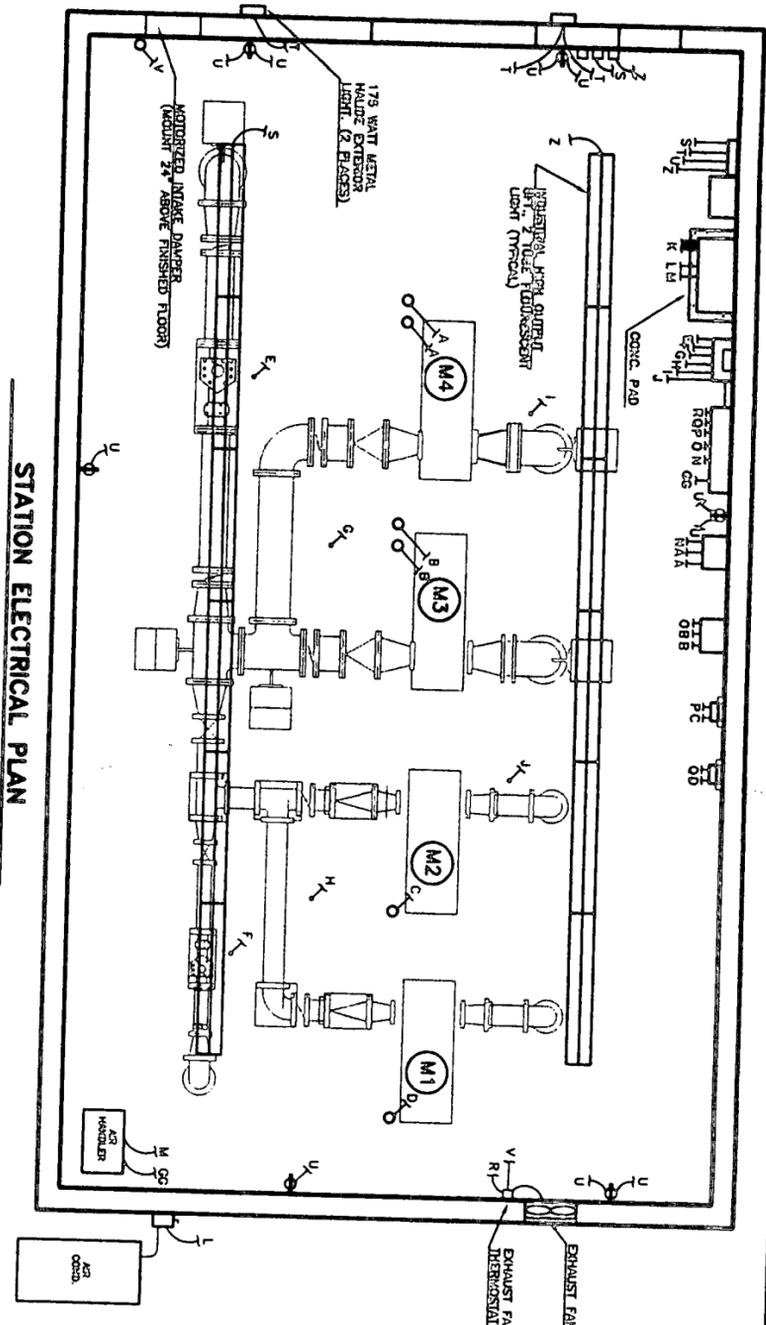
EAST ELEVATION
 SCALE: 1/8" = 1'



NORTH ELEVATION
 SCALE: 1/8" = 1'

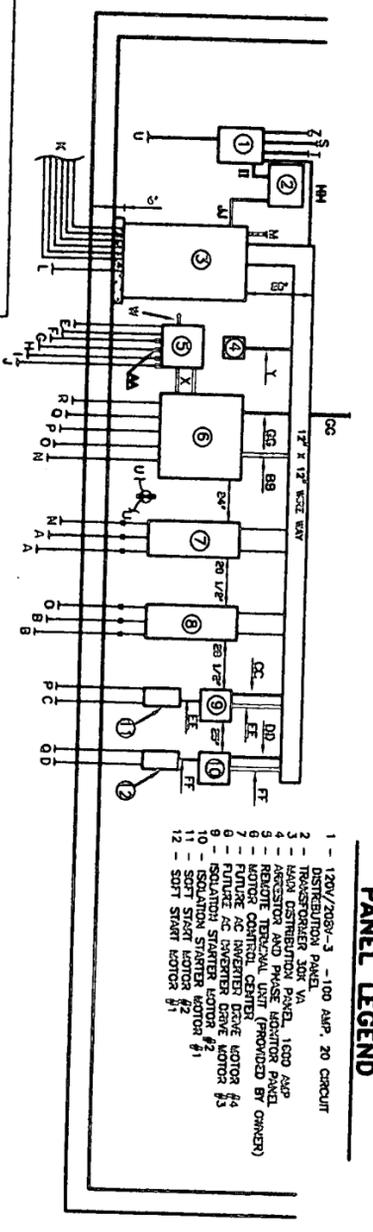


PROJECT 16A - CONTRACT 2	
WATER LINE EXTENSION	
WARREN COUNTY WATER DISTRICT	
WARREN COUNTY, KENTUCKY	
GREENWOOD LANE PUMP STATION	
SITE PLAN & BUILDING ELEVATIONS	
SCALE: 1" = 20'	SHEET NO. 27
DATE: 03-13-88	DESIGN: K.M.C.
400-CWP-010	CHECKED: A.M.V.



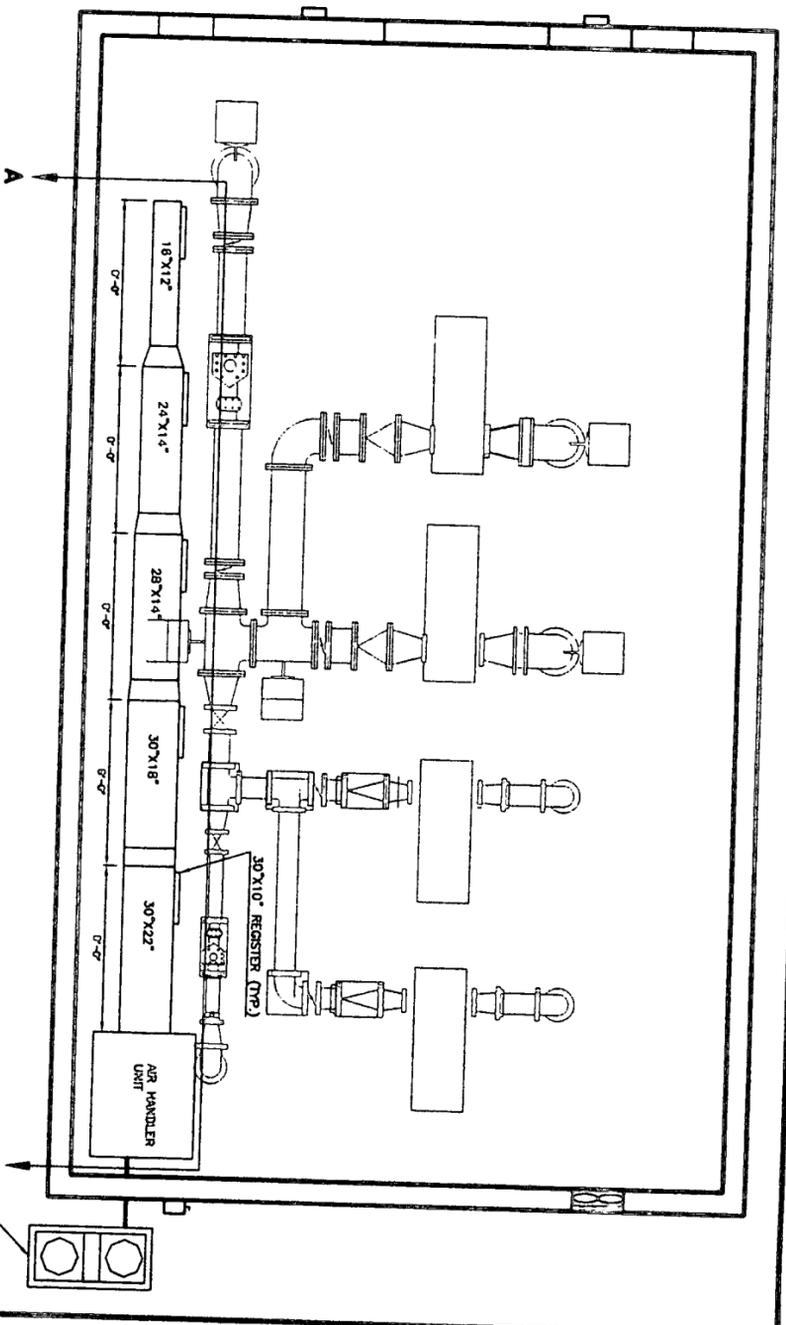
STATION ELECTRICAL PLAN

- CONDUIT LEGEND**
- A - 2" RIGID CONDUIT FOR FUTURE USE
 - B - 1 1/2" RIGID CONDUIT FOR FUTURE USE
 - C - 1 1/2" RIGID CONDUIT WITH #3-#6 GROUND
 - D - 1 1/2" RIGID CONDUIT WITH #3-#6 GROUND
 - E - 3/4" RIGID CONDUIT FOR FUTURE USE
 - F - 3/4" RIGID CONDUIT WITH #3-#6 GROUND
 - G - 3/4" RIGID CONDUIT FOR FUTURE USE
 - H - 3/4" RIGID CONDUIT WITH #3-#6 GROUND
 - I - 3/4" RIGID CONDUIT FOR FUTURE USE
 - J - 3/4" RIGID CONDUIT WITH #3-#6 GROUND
 - K - 3/4" RIGID CONDUIT WITH #3-#6 GROUND
 - L - 1" RIGID CONDUIT FOR AIR CONDITIONER CONDUIT
 - M - 1 1/4" RIGID CONDUIT FOR AIR HANDLER CONDUIT
 - N - 3/4" RIGID CONDUIT (FUTURE VFD FAIL CIRCUIT)
 - O - 3/4" RIGID CONDUIT (FUTURE VFD FAIL CIRCUIT)
 - P - 3/4" RIGID CONDUIT FOR PUMP #2 SOFT START FAIL CIRCUIT
 - Q - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - R - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - S - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - T - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - U - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - V - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - W - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - X - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - Y - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - Z - 3/4" RIGID CONDUIT FOR PUMP #1 SOFT START FAIL CIRCUIT
 - AA - ASCORPOT TYPE K1 PRESSURE TRANSDUCER, 4-2 OMA 0-300 PSI (2 PRESENT, 2 FUTURE)

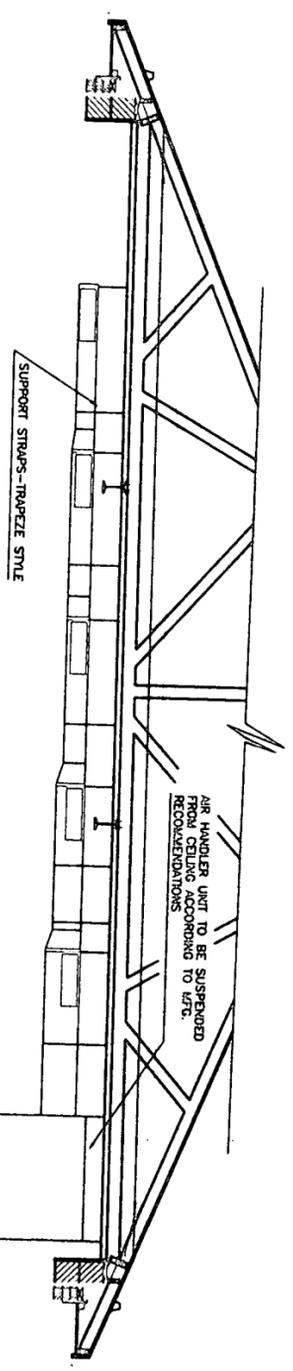


PANEL LAYOUT

- PANEL LEGEND**
- 1 - 120V/200V-3-100 AMP, 20 CIRCUIT DISTRIBUTION PANEL VA
 - 2 - TRANSFORMER 30K VA
 - 3 - MAIN DISTRIBUTION PANEL 1600 AMP
 - 4 - MOTOR CONTROL CENTER (PROVIDED BY OWNER)
 - 5 - FUTURE AC INVERTER DRIVE MOTORS #4
 - 6 - FUTURE AC INVERTER DRIVE MOTORS #3
 - 7 - FUTURE AC INVERTER DRIVE MOTORS #2
 - 8 - RESISTOR STARTER MOTOR #1
 - 9 - SOFT START MOTOR #1
 - 10 - SOFT START MOTOR #2
 - 11 - SOFT START MOTOR #3
 - 12 - SOFT START MOTOR #4



HVAC PLAN



SECTION A-A

NOTE: DESIGN SHALL INCLUDE TRUSS PROVISIONS FOR SUPPORTING AIR HANDLER UNIT.

PROJECT 16A-CONTRACT 2
 WATER LINE EXTENSION
 WARREN COUNTY WATER DISTRICT
 WARREN COUNTY KY
 GREENWOOD LAKE PUMP STATION
 ELECTRICAL AND HVAC

SCALE AS NOTED
 DATE 03-12-08
 440-07-080

DESIGNED BY: [Signature]
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

STATE OF KENTUCKY
 PROFESSIONAL ENGINEER
 No. 10855
 JOHN W. [Signature]

