

RECEIVED

JAN 17 2001

PUBLIC SERVICE
COMMISSION

FINAL ENGINEERING REPORT

for

EAST CASEY COUNTY WATER DISTRICT

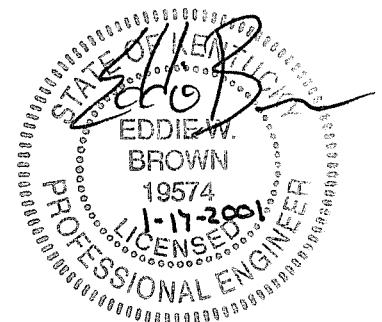
**LITTLE SOUTH/TRI-COMMUNITY WATER PROJECT
CONTRACTS 12 & 13**

prepared by:

KENVIRONS, INC.
452 VERSAILLES ROAD
FRANKFORT, KENTUCKY 40601

PROJECT NO. 1997215

OCTOBER, 2000



FINAL ENGINEERING REPORT

LITTLE SOUTH/TRI-COMMUNITY WATER PROJECT EAST CASEY COUNTY WATER DISTRICT LIBERTY, KENTUCKY OCTOBER 25, 2000

INTRODUCTION

The East Casey County Water District desires to extend water lines into the Little South and Tri-Community areas of Casey County. Residents of these areas currently depend on wells, springs and cisterns for drinking water. These water sources are inadequate in both quantity and quality. These areas shall be supplied by the East Casey County Water District, which purchases its water from the City of Liberty. The additional demand of approximately 40,000 gallons daily should have no impact on either of the water distribution systems.

BIDS

Bids were received on October 23, 2000 for Contracts 12 & 13.

Six (6) total base bids ranging from \$1,029,196.50 to \$1,384,386.25 were received on the construction of Contract 12. Three (3) total base bids ranging from \$86,000.00 to \$108,000.00 were received for the construction of Contract 13. A copy of the bid tabulations are attached to this report as Appendix A.

The low bidder for each Contract is shown below:

Contract 12 - Stotts Construction Co., Inc.....	\$1,029,196.50
Contract 13 - Laurel Construction Co., Inc.....	\$ 86,000.00

PROJECT COST

The following is an estimate of the project cost based on the bids received:

BUDGET ITEM	RD LETTER OF CONDITIONS	REVISED BUDGET
Development	\$ 1,087,500.00	\$ 1,115,196.50
Legal and Administrative	33,700.00	33,700.00
Engineering and Inspection	140,000.00	140,000.00
Interest	30,000.00	30,000.00
Contingencies	108,800.00	81,103.50
TOTAL	\$ 1,400,000.00	\$ 1,400,000.00

PROJECT FUNDING

Funding for the project is as follows:

RUS Loan	\$	594,000.00
RUS Grant		396,000.00
ARC Grant		350,000.00
Applicant Contribution		<u>60,000.00</u>
Total	\$	1,400,000.00

CONCLUSIONS AND RECOMMENDATIONS

The bid amount for this project is in the acceptable range for the types of work involved. Therefore, it is recommended that the contract be awarded to the low bidder named herein subject to the approval of the East Casey County Water District and funding agencies.

APPENDIX A

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

BID TABULATIONS

PROJECT: LITTLE SOUTH/TRI-COMMUNITY WATER PROJECT - CONTRACT 12
 LOCATION: EAST CASEY COUNTY WATER DISTRICT OFFICE, LIBERTY, KY
 BID DATE: OCTOBER 23, 2000 AT 11:00 A. M.

CONTRACT 12

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	STOTTS CONSTRUCTION CO., INC. 3615 BURKESVILLE ROAD COLUMBIA, KY 42728		CLAY PIPELINE, INC. ROUTE 8 BOX 70, FOX HOLLOW ROAD MANCHESTER, KY 40962		LAUREL CONSTRUCTION 5209 SOMERSET ROAD LONDON, KY 40741	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
1	6-Inch PVC SDR-17 Pipe	LF	4,600	3.80	17,480.00	4.25	19,550.00	5.00	23,000.00
2	6-Inch PVC SDR-21 Pipe	LF	22,460	3.35	75,241.00	3.85	86,471.00	4.60	103,316.00
3	4-Inch D. I. Cl. 51	LF	200	11.20	2,240.00	8.15	1,630.00	12.00	2,400.00
4	4-Inch PVC SDR-17 Pipe	LF	11,400	2.50	28,500.00	3.05	34,770.00	3.30	37,620.00
5	4-Inch PVC SDR-21 Pipe	LF	97,920	2.25	220,320.00	2.90	283,968.00	3.00	293,760.00
6	3-Inch PVC SDR-17 Pipe	LF	15,605	2.10	32,770.50	2.70	42,133.50	2.90	45,254.50 *
7	3-Inch PVC SDR-21 Pipe	LF	144,300	1.80	259,740.00	2.55	367,965.00	2.50	360,750.00
8	6-Inch W. L. Bore and Case	LF	80	70.00	5,600.00	50.00	4,000.00	40.00	3,200.00
9	3- & 4-Inch W. L. Bore and Case	LF	750	55.00	41,250.00	35.00	26,250.00	30.00	22,500.00
10	6-Inch W. L. Open Cut and Case	LF	100	28.00	2,800.00	17.50	1,750.00	20.00	2,000.00
11	3- & 4-Inch W. L. Open Cut and Case	LF	580	24.00	13,920.00	15.00	8,700.00	10.00	5,800.00
12	6-Inch Creek Crossing	LF	20	68.00	1,360.00	26.00	520.00	25.00	500.00
13	3- & 4-Inch Creek Crossing	LF	600	60.00	36,000.00	20.00	12,000.00	6.00	3,600.00
14	Free Bore	EA	600	16.00	9,600.00	20.00	12,000.00	15.00	9,000.00
15	6-Inch Gate Valve	EA	10	460.00	4,600.00	400.00	4,000.00	350.00	3,500.00
16	4-Inch Gate Valve	EA	24	400.00	9,600.00	335.00	8,040.00	300.00	7,200.00
17	3-Inch Gate Valve	EA	38	375.00	14,250.00	315.00	11,970.00	290.00	11,020.00
18	Wet Tap	EA	3	550.00	1,650.00	2,175.00	6,525.00	1,500.00	4,500.00
19	Blow Off Assembly	EA	37	650.00	24,050.00	855.00	31,635.00	500.00	18,500.00
20	Air Release Valve	EA	6	350.00	2,100.00	350.00	2,100.00	150.00	900.00
21	5/8" X 3/4" Meter Setting	EA	300	265.00	79,500.00	230.00	69,000.00	260.00	78,000.00
22	1" Service Tubing	LF	1,500	2.55	3,825.00	1.25	1,875.00	2.60	3,900.00
23	3/4" Service Tubing	LF	18,000	2.00	36,000.00	1.20	21,600.00	1.80	32,400.00
24	3/4" PRV Meter	EA	80	285.00	22,800.00	218.00	17,440.00	320.00	25,600.00
25	Pavement Replacement	LF	2,000	10.00	20,000.00	20.00	40,000.00	8.00	16,000.00
26	Pressure Reducing Station	LS	2	6,000.00	12,000.00	2,100.00	4,200.00	4,000.00	8,000.00
27	Pump Station	LS	1	52,000.00	52,000.00	46,000.00	46,000.00	45,000.00	45,000.00
TOTAL BASE BID					1,029,196.50		1,166,092.50		1,167,220.50 *

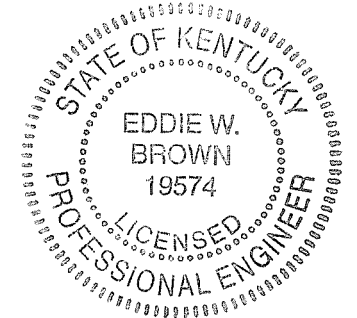
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	D. F. BAILEY, INC. P. O. BOX 439 OWINGSVILLE, KY 40360		ALPHA RECLAMATION CONTR., INC. 989 LOWER POMPEY SHELBIANA, KY 41562		WILLMOTT CONSTRUCTION, INC 1186 PARADISE CAMP ROAD HARRODSBURG, KY 40330	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
1	6-Inch PVC SDR-17 Pipe	LF	4,600	4.80	22,080.00	4.57	21,022.00	5.10	23,460.00
2	6-Inch PVC SDR-21 Pipe	LF	22,460	4.25	95,455.00	4.01	90,064.60	4.50	101,070.00
3	4-Inch D. I. Cl. 51	LF	200	11.80	2,360.00	9.50	1,900.00	15.00	3,000.00
4	4-Inch PVC SDR-17 Pipe	LF	11,400	3.20	36,480.00	3.30	37,620.00	3.80	43,320.00
5	4-Inch PVC SDR-21 Pipe	LF	97,920	3.05	298,656.00	3.05	298,656.00	3.25	318,240.00
6	3-Inch PVC SDR-17 Pipe	LF	15,605	2.75	42,913.75	2.83	44,162.15	3.25	50,716.25
7	3-Inch PVC SDR-21 Pipe	LF	144,300	2.50	360,750.00	2.72	392,496.00	3.10	447,330.00
8	6-Inch W. L. Bore and Case	LF	80	60.00	4,800.00	65.00	5,200.00	100.00	8,000.00
9	3- & 4-Inch W. L. Bore and Case	LF	750	55.00	41,250.00	65.00	48,750.00	60.00	45,000.00
10	6-Inch W. L. Open Cut and Case	LF	100	40.00	4,000.00	25.00	2,500.00	20.00	2,000.00
11	3- & 4-Inch W. L. Open Cut and Case	LF	580	35.00	20,300.00	25.00	14,500.00	15.00	8,700.00
12	6-Inch Creek Crossing	LF	20	55.00	1,100.00	30.00	600.00	50.00	1,000.00
13	3- & 4-Inch Creek Crossing	LF	600	50.00	30,000.00	30.00	18,000.00	35.00	21,000.00
14	Free Bore	EA	600	25.00	15,000.00	25.00	15,000.00	20.00	12,000.00
15	6-Inch Gate Valve	EA	10	435.00	4,350.00	500.00	5,000.00	380.00	3,800.00
16	4-Inch Gate Valve	EA	24	350.00	8,400.00	400.00	9,600.00	300.00	7,200.00
17	3-Inch Gate Valve	EA	38	315.00	11,970.00	350.00	13,300.00	300.00	11,400.00
18	Wet Tap	EA	3	1,500.00	4,500.00	1,300.00	3,900.00	1,500.00	4,500.00
19	Blow Off Assembly	EA	37	525.00	19,425.00	900.00	33,300.00	750.00	27,750.00
20	Air Release Valve	EA	6	225.00	1,350.00	400.00	2,400.00	400.00	2,400.00
21	5/8" X 3/4" Meter Setting	EA	300	360.00	108,000.00	400.00	120,000.00	250.00	75,000.00
22	1" Service Tubing	LF	1,500	2.75	4,125.00	3.00	4,500.00	3.00	4,500.00
23	3/4" Service Tubing	LF	18,000	2.65	47,700.00	2.50	45,000.00	2.00	36,000.00
24	3/4" PRV Meter	EA	80	70.00	5,600.00	450.00	36,000.00	300.00	24,000.00
25	Pavement Replacement	LF	2,000	5.00	10,000.00	8.00	16,000.00	15.00	30,000.00
26	Pressure Reducing Station	LS	2	3,750.00	7,500.00	2,200.00	4,400.00	5,500.00	11,000.00
27	Pump Station	LS	1	58,300.00	58,300.00	65,000.00	65,000.00	62,000.00	62,000.00
TOTAL BASE BID					1,266,364.75		1,338,870.75 *		1,384,386.25

* denotes a mathematic error in bid

The following is a true and complete tabulation of the bids received at 11:00 A. M., local time, on October 23, 2000 at the office of the East Casey County Water District in Liberty, Kentucky.

Eddie Brown
 Eddie Brown, P. E.

1-17-2001
 Date



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

BID TABULATIONS

PROJECT: LITTLE SOUTH/TRI-COMMUNITY WATER PROJECT - CONTRACT 13
 LOCATION: EAST CASEY COUNTY WATER DISTRICT OFFICE, LIBERTY, KY
 BID DATE: OCTOBER 23, 2000 AT 11:00 A. M.

CONTRACT 13

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	LAUREL CONSTRUCTION CO., INC.		KENTUCKY GLASS LINED TANK SYSTEMS, WELDING, INC.	
				UNIT COST	COST	UNIT COST	COST
1	65,000 Gallon Ground Water Storage Tank and Appurtenances	LS	1	86,000.00	86,000.00	88,491.00	88,491.00
TOTAL BASE BID				86,000.00	86,000.00	88,491.00	88,491.00
						108,000.00	108,000.00
						108,000.00	108,000.00

* denotes a mathematic error in bid

The following is a true and complete tabulation of the bids received at 11:00 A. M., local time, on October 23, 2000 at the office of the East Casey County Water District in Liberty, Kentucky.


 Eddie Brown, P. E.

1-17-2001

Date

