

FINAL ENGINEERING REPORT

FISHING CREEK AREA WATER SYSTEM IMPROVEMENTS & REPLACEMENTS

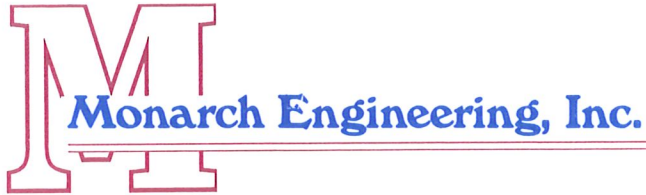
WESTERN PULASKI COUNTY WATER DISTRICT PULASKI COUNTY, KENTUCKY

**This project funded by:
USDA Rural Development**

PROJECT NO. 2028

 **Monarch Engineering, Inc.**

556 Carlton Drive
Lawrenceburg, KY



June 22, 2022

Mr. Don Calder, Chairman
Western Pulaski County Water District
2128 West Highway 80
Somerset, Kentucky 42503

Re: Western Pulaski County Water District
Fishing Creek Area Water System Improvements & Replacements Project
RD Loan: \$4,472,000.00
RD Grant: \$ 725,000.00

Dear Mr. Calder:

On June 21, 2022, bids were received for the construction of the Fishing Creek Area Water System Improvements & Replacements Project. Five bids were received and the lowest was submitted by Weddle Enterprises, Inc. located in Somerset, Kentucky in the amount of \$3,530,308.00. A summarized bid tabulation is attached that shows the unit and total prices for all items that were bid by each bidder.

Please find attached the Final Project Budget that reflects the proposal by Weddle Enterprises, Inc., and other associated project costs. As summarized in the Budget, there are sufficient funds to construct the project as designed. Therefore, based on the need for the Water District to construct these water system improvements and replacements and in accordance with the proposal submitted by Weddle Enterprises, Inc., we recommend that the Water District award a contract to Weddle Enterprises, Inc., in the amount of \$3,530,308.00. This recommendation is contingent upon approval by the Kentucky Public Service Commission and the USDA Rural Development.

Should you need additional information, please advise.

Sincerely,

Deron S. Byrne, P.E.
Principal/Project Engineer

/dsb

Attachments

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

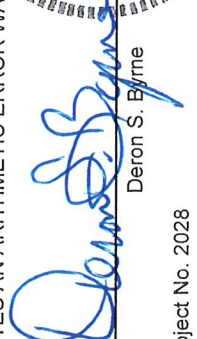

BID TABULATIONS
WESTERN PULASKI COUNTY WATER DISTRICT
FISHING CREEK AREA WATER SYSTEM IMPROVEMENTS &
REPLACEMENTS

PULASKI COUNTY, KENTUCKY

BID DATE: JUNE 21, 2022 @ 5:00 P.M. LOCAL TIME

ITEM NO.	DESCRIPTION	QUANTITY	Weddle Enterprises, Inc. 25 Shanes Lane Somerset, KY 42501		Akins Excavating Co., Inc. 182 Busy Lane Corbin, KY 40701		Flo-Line Contracting 189 Sunstar Blvd. Monticello, KY 42633	
			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	BASE BID CONTRACT							
1	12-inch Ductile Iron Water Line	22,080 LF	\$88.50	\$1,954,080.00	\$101.00	\$2,230,080.00	\$112.00	\$2,472,960.00
2	8-inch Ductile Iron Water Line	30 LF	176.00	5,280.00	80.00	2,400.00	100.00	3,000.00
3	Bore & Case for 12-inch Water Line	950 LF	288.20	273,790.00	357.00	339,150.00	380.00	361,000.00
4	18-inch HDPE DR7 Water Line	720 LF	165.15	118,908.00	150.00	108,000.00	160.25	115,380.00
5	18-inch HDPE DR7 via Directional Bore	860 LF	400.00	344,000.00	350.00	301,000.00	698.00	600,280.00
6	12-inch Gate Valve	8 EA	5,600.00	44,800.00	4,785.00	38,280.00	6,000.00	48,000.00
7	10-inch Gate Valve	1 EA	4,700.00	4,700.00	4,165.00	4,165.00	5,000.00	5,000.00
8	8-inch Gate Valve	3 EA	3,400.00	10,200.00	2,860.00	8,580.00	4,500.00	13,500.00
9	Connection	7 EA	2,900.00	20,300.00	8,800.00	61,600.00	3,000.00	21,000.00
10	2-Way Flush Hydrant	3 EA	7,800.00	23,400.00	7,800.00	23,400.00	9,000.00	27,000.00
11	3/4-Inch PE Service Tubing	200 LF	25.00	5,000.00	12.00	2,400.00	20.00	4,000.00
12	Leak Detection Meter Assembly	4 EA	1,350.00	5,400.00	6,350.00	25,400.00	2,500.00	10,000.00
13	Cut & Cap Existing 12-Inch Water Line	1 EA	2,000.00	2,000.00	2,900.00	2,900.00	1,500.00	1,500.00
14	Cut & Cap Existing 8-Inch Water Line	1 EA	1,800.00	1,800.00	2,720.00	2,720.00	1,400.00	1,400.00
15	Cut & Cap Existing 6-Inch Water Line	1 EA	1,650.00	1,650.00	2,585.00	2,585.00	1,300.00	1,300.00
16	Lees Ford Water Booster Pump Station	1 LS	675,000.00	675,000.00	777,000.00	777,000.00	590,180.00	590,180.00
17	Demolition & Removal of Existing Lees Ford Pump Station	1 LS	10,000.00	10,000.00	9,000.00	9,000.00	7,500.00	7,500.00
18	Exploration	60 HR	500.00	30,000.00	350.00	21,000.00	200.00	12,000.00
	TOTAL BASE BID			\$3,530,308.00		\$3,959,660.00		\$4,295,000.00

THE ABOVE IS A TRUE AND COMPLETE TABULATION OF BIDS RECEIVED AT 5:00 P.M. LOCAL TIME, TUESDAY, JUNE 21, 2022 AT THE WESTERN PULASKI COUNTY WATER DISTRICT.
 ** DENOTES AN ARITHMETIC ERROR WAS MADE ON BASE BID AMOUNT HAS BEEN CORRECTED TO REFLECT UNIT PRICE SUBMITTED.

BY:  Deron S. Byrne
 Date: 6/22/2022


BID TABULATIONS
WESTERN PULASKI COUNTY WATER DISTRICT
FISHING CREEK AREA WATER SYSTEM IMPROVEMENTS &
REPLACEMENTS
PULASKI COUNTY, KENTUCKY
BID DATE: JUNE 21, 2022 @ 5:00 P.M. LOCAL TIME

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

ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
BASE BID CONTRACT						
1	12-Inch Ductile Iron Water Line	22,080 LF	\$101.00	\$2,230,080.00	\$116.00	\$2,561,280.00
2	8-Inch Ductile Iron Water Line	30 LF	120.00	3,600.00	117.00	3,510.00
3	Bore & Case for 12-Inch Water Line	950 LF	280.00	266,000.00	400.00	380,000.00
4	18-Inch HDPE DR7 Water Line	720 LF	420.00	302,400.00	190.00	136,800.00
5	18-Inch HDPE DR7 via Directional Bore	860 LF	565.00	485,900.00	850.00	731,000.00
6	12-Inch Gate Valve	8 EA	12,500.00	100,000.00	5,553.00	44,424.00
7	10-Inch Gate Valve	1 EA	10,500.00	10,500.00	4,790.00	4,790.00
8	8-Inch Gate Valve	3 EA	8,650.00	25,950.00	3,470.00	10,410.00
9	Connection	7 EA	12,500.00	87,500.00	5,700.00	39,900.00
10	2-Way Flush Hydrant	3 EA	14,500.00	43,500.00	8,906.00	26,718.00
11	3/4-Inch PE Service Tubing	200 LF	36.80	7,360.00	21.00	4,200.00
12	Leak Detection Meter Assembly	4 EA	3,200.00	12,800.00	2,089.00	8,356.00
13	Cut & Cap Existing 12-Inch Water Line	1 EA	12,500.00	12,500.00	2,954.00	2,954.00
14	Cut & Cap Existing 8-Inch Water Line	1 EA	12,000.00	12,000.00	2,686.00	2,686.00
15	Cut & Cap Existing 6-Inch Water Line	1 EA	12,000.00	12,000.00	2,582.00	2,582.00
16	Lees Ford Water Booster Pump Station	1 LS	750,000.00	750,000.00	744,513.00	744,513.00
17	Demolition & Removal of Existing Lees Ford Pump Station	1 LS	162,500.00	162,500.00	11,000.00	11,000.00
18	Exploration	60 HR	120.00	7,200.00	350.00	21,000.00
TOTAL BASE BID				\$4,531,790.00		\$4,736,123.00

FINAL BUDGET
FISHING CREEK AREA WATER SYSTEM IMPROVEMENTS & REPLACEMENTS
WESTERN PULASKI COUNTY WATER DISTRICT
JUNE 22, 2022

PROJECT COSTS

DEVELOPMENT/CONSTRUCTION	\$3,530,308.00
CONTINGENCY	353,030.80
ENGINEERING DESIGN	288,000.00
CONSTRUCTION INSPECTION	154,000.00
PRELIMINARY ENGINEERING REPORT	10,000.00
ENVIRONMENTAL ASSESSMENT	15,000.00
LEGAL & ADMINISTRATION	15,000.00
INTEREST	40,000.00
PHASE 2	<u>791,661.20</u>
TOTAL PROJECT COST	\$5,197,000.00

PROJECT FINANCING

USDA RURAL DEVELOPMENT LOAN	\$4,472,000.00
USDA RURAL DEVELOPMENT GRANT	<u>725,000.00</u>
TOTAL PROJECT FINANCING	\$5,197,000.00