

# Exhibit A

4680  
February 2025

COST ESTIMATE NO. 1  
CITY OF CROSSVILLE PORTION OF  
MILLER AVENUE WATER LINE IMPROVEMENTS  
ARPA REGIONAL WATER SYSTEM IMPROVEMENTS  
CROSSVILLE, TENNESSEE  
WAUFORD PROJECT NO. 4680

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Cost</u>
1.	7,300 L.F.	12-inch DIP Water Line	\$200/L.F.	\$1,460,000
2.	520 L.F.	16-inch DIP Water Line	\$250/L.F.	\$130,000
3.	100 L.F.	Bored 30-inch Steel Casing Pipe	\$1,400/L.F.	\$140,000
4.	4 Each	Connection to Existing Facilities	\$15,000/Ea.	\$60,000
5.	8 Each	12-inch Gate Valve Assembly	\$6,000/Ea.	\$96,000
6.	2 Each	16-inch Gate Valve Assembly	\$10,000/Ea.	\$20,000
7.	5 Each	Fire Hydrant Assembly	\$10,000/Ea.	\$50,000
8.	4 Each	Air Release Valve Assembly	\$6,000/Ea.	\$24,000
9.	1 Each	Master Meter and Structure	Lump Sum	\$50,000
10.	110 L.F.	Bored 20-inch Steel Casing Pipe	\$1,000/L.F.	\$110,000
11.	3 Each	Stream Crossing	\$25,000/Ea.	\$75,000
12.	8,000 L.F.	Easement and Roadway Restoration	\$10/L.F.	<u>\$80,000</u>
ESTIMATED CONSTRUCTION COST				\$2,295,000
CONSTRUCTION CONTINGENCIES				<u>\$300,000</u>
1. Budgeted for Construction				\$2,595,000
2. Engineering:				
Preliminary Engineering Report				\$6,000
Permitting				\$6,000
Design				\$132,000
Bidding and Award				\$10,000
Construction Administration				\$34,000
Resident Project Representation				\$67,000
Geotechnical Engineering				\$7,000
3. Project Administration				\$49,000
4. Project Contingencies				<u>\$88,000</u>
TOTAL ESTIMATED PROJECT COST				\$2,994,000

ENR CONSTRUCTION COST INDEX –13766 (February 2025)

**5% Grant Match= \$149,700**

# Exhibit B

4680

February 2025

COST ESTIMATE NO. 2  
CRAB ORCHARD UTILITY DISTRICT PORTION OF  
MILLER AVENUE WATER LINE IMPROVEMENTS  
ARPA REGIONAL WATER SYSTEM IMPROVEMENTS  
CROSSVILLE, TENNESSEE  
WAUFORD PROJECT NO. 4680

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Unit Price</u>	<u>Cost</u>
1.	7,300 L.F.	12-inch DIP Water Line	\$200/L.F.	\$1,460,000
2.	2 Each	Connection to Existing Facilities	\$15,000/Ea.	\$30,000
3.	12 Each	12-inch Gate Valve Assembly	\$6,000/Ea.	\$72,000
4.	3 Each	Fire Hydrant Assembly	\$10,000/Ea.	\$30,000
5.	2 Each	Air Release Valve Assembly	\$6,000/Ea.	\$12,000
6.	2 Each	Precast Vault with Electric Actuated Valves	\$50,000/Ea.	\$100,000
7.	Lump Sum	Built-in-Place Water Booster Station	Lump Sum	\$2,400,000
8.	180 L.F.	Bored 20-inch Steel Casing Pipe	\$1,000/L.F.	\$180,000
9.	1 Each	Stream Crossing	\$25,000/Ea.	\$25,000
10.	7,300 L.F.	Easement and Roadway Restoration	\$10/L.F.	<u>\$73,000</u>
ESTIMATED CONSTRUCTION COST				\$4,382,000
CONSTRUCTION CONTINGENCIES				<u>\$413,000</u>
1. Budgeted for Construction				\$4,795,000
2. Engineering:				
Preliminary Engineering Report				\$9,000
Permitting				9,000
Design				\$243,000
Bidding and Award				\$10,000
Construction Administration				\$62,000
Resident Project Representation				\$125,000
Geotechnical Engineering				\$13,000
3. Project Administration				\$176,000
4. Project Contingencies				<u>\$164,000</u>
TOTAL ESTIMATED PROJECT COST				\$5,606,000
ENR CONSTRUCTION COST INDEX –13766 (February 2025)				

**5% Grant Match \$280,300**