

Name of Utility Western Rockcastle Water Association

### A. Meter Size

Other (specify) 5/8 x 3/4-Inch

		Unit Quantity	Cost	Total Cost
1.	Water Meter	<u>1</u>	<u>350.00</u>	<u>350.00</u>
2.	Meter Yoke	<u>1</u>	<u>260.00</u>	<u>260.00</u>
3.	Corporation Stop	<u>1</u>	<u>60.00</u>	<u>60.00</u>
4.	Meter Box and Top	<u>1</u>	<u>130.00</u>	<u>130.00</u>
5.	Miscellaneous Fittings	<u>1</u>	<u>100.00</u>	<u>100.00</u>
6.	Other (Itemize)			
	<u>Tapping Saddle</u>	<u>1</u>	<u>80.00</u>	<u>80.00</u>
	<u>P. E. Tubing Inserts</u>	<u>2</u>	<u>1.75</u>	<u>3.50</u>

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**C. Service Pipe Expense**

Type of Service Pipe Polyethylene Tubing Size of Service Pipe 3/4-Inch

	<u>Unit Quantity</u>	<u>Cost</u>	<u>Total Cost</u>
1. Short Side Service	<u>10</u>	<u>\$0.45</u>	<u>\$4.50</u>
2. Long Side Service	<u>50</u>	<u>0.45</u>	<u>22.50</u>
2a. Long Side Service (1 1/2" Casing Pipe)	<u>          </u>	<u>          </u>	<u>          </u>

AVERAGE SERVICE PIPE EXPENSE \$ 13.50  
(add total cost and divide by 2)

**D. Installation Labor Expense**

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Short Side Service (1 employees @ 2 hours)	<u>2</u>	<u>\$24.64</u>	<u>\$ 49.28</u>
2. Long Side Service (2 employees @ 2.5 hours)	<u>5</u>	<u>24.64</u>	<u>123.20</u>

AVERAGE INSTALLATION LABOR EXPENSE \$86.24  
(add total cost and divide by 2)

**E. Installation Equipment Expense**

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Short Side Service (Backhoe)	<u>1</u>	<u>\$85.00</u>	<u>\$85.00</u>
2. Long Side Service (Backhoe)	<u>3.5</u>	<u>85.00</u>	<u>297.50</u>
2a. Long Side Service (Push Rod Machine)	<u>1</u>	<u>85.00</u>	<u>85.00</u>

AVERAGE INSTALLATION EQUIPMENT EXPENSE \$ 233.75  
(add total cost and divide by 2)

**F. Installation Miscellaneous Expense**

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Inspection	_____	_____	_____
2. Site Clean-Up (1 employees @ 1hour)	<u>1</u>	<u>\$24.64</u>	<u>\$24.64</u>
3. Other			
<u>Mileage : 1-Ton Service Truck</u>	<u>20 mi.</u>	<u>0.70</u>	<u>14.00</u>
<u>Mileage : Dump Truck &amp; Trailer</u>	<u>20 mi.</u>	<u>0.70</u>	<u>14.00</u>
AVERAGE INSTALLATION MISCELLANEOUS EXPENSE (add total cost)			\$ <u>52.64</u>

**G. Overhead Expense**

1. Installation expense (\$\_\_\_\_\_) times  
overhead rate (\_\_\_\_%) \$ \_\_\_\_\_

**H. Administrative Expense**

1. Office expense for establishing a new account  
and billing record. (1 hr Office Personnel  
@ \$17.67/hr) \$ 17.67

**I. Total Expenses**

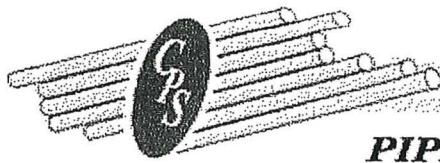
Materials Expense	\$ <u>983.50</u>
Service Pipe Expense	<u>13.50</u>
Installation Labor Expense	<u>86.24</u>
Installation Equipment Expense	<u>233.75</u>
Installation Miscellaneous Expense	<u>52.64</u>
Overhead Expense	<u>0.00</u>
Administrative Expense	<u>17.67</u>

**TOTAL CONNECTION EXPENSE** \$ 1,387.30  
**~\$1,387.00**

**EXHIBIT E**

**MATERIAL & SERVICE PIPE EXPENSE**

**JUSTIFICATION (Invoices)**



# Consolidated

## PIPE & SUPPLY COMPANY, INC.

265 Thoroughbred Dr. Ferguson, KY 42533  
 Phone:(606)679-1999 Fax:(606)679-1942

Location: Western Rockcastle Water  
 Date: 2/24/2025

Bid Item #	Description	Unit	Quantity	Unit Cost	Extended Cost
	Water Meter	EA	1	\$ 350.00	\$ 350.00
	Meter Yoke	EA	1	\$ 260.00	\$ 260.00
	Corp Stop	EA	1	\$ 60.00	\$ 60.00
	Meter Box and Top	EA	1	\$ 130.00	\$ 130.00
	Misc. Fittings	EA	1	\$ 100.00	\$ 100.00
	6x3/4 Saddle	EA	1	\$ 80.00	\$ 80.00
	3/4" CTS Tubing	EA	1	\$ 0.45	\$ 0.45
	1" CTS Tubing	EA	1	\$ 0.65	\$ 0.65
	3/4" SS Insert	EA	2	\$ 1.75	\$ 3.50
	1" SS Insert	EA	2	\$ 2.75	\$ 5.50
	<b>Sub Total for this Bid</b>				\$ 640.10
	<b>Sales Tax</b>	6%			N/A
	<b>TOTAL MATERIAL COST</b>				\$ 640.10

1. ENTIRE AGREEMENT. Consolidated Pipe & Supply Company, Inc. and each of its divisions and subsidiaries ("Seller"), agrees to sell the goods covered herein and hereby (the "Goods") to Buyer on the following terms and conditions of sale ("Terms and Conditions"). Acceptance of orders, whether oral or written, and/or delivery to Buyer is based on the express condition that Buyer agrees to Seller's General Terms and Conditions of Sale. Terms and conditions contained in the purchase order issued by Seller to Buyer shall supplement and govern over these Terms and Conditions, to the extent that these Terms and Conditions hereunder are silent or inconsistent with the purchase order, and are specifically incorporated by reference herein. Buyer and Seller expressly agree that Seller may modify these Terms and Conditions from time to time without notice, and such modifications shall be binding upon Buyer. Accordingly, each

**EXHIBIT F**

**LABOR EXPENSE CALCULATIONS**



RATE CHARGE FOR LABOR	FIELD PERSONNEL					
FIELD PERSONNEL	HRLY WAGE	HRS WORKED	PTO HRS	TOTAL HRS PAID	HEALTH & LIFE	
					MONTHLY	YEARLY
Brandon Bishop	\$23.29	1,960	120	2,080	\$297.25	\$3,566.98
Charles DeBorde	26.42	1,920	160	2,080	370.20	4,442.42
Jerry W. Barron	20.35	1,920	160	2,080	365.66	4,387.94
Johnathan Reynolds	16.50	2,000	80	2,080	165.35	1,984.20
Jordan K. Chasteen	16.00	2,000	80	2,080	156.35	1,876.25
TOTAL	\$102.56	9,800	600	10,400	\$1,354.82	\$16,257.79
AVERAGE 5 EMPLOYEES	\$20.51	1,960	120	2,080	\$270.96	\$3,251.56
AVERAGE HOURLY HEALTH INSURANCE COSTS (ACTUAL COSTS)						\$1.56

#### ADDITIONAL COSTS

#### PERCENTAGES

FICA TAXES

8.45%

UNEMPLOYMENT TAXES

1.06%

WORKERS COMPENSATION

0.51%

RETIREMENT

3.19%

TOTAL

13.21%

HOURLY ADDITIONAL COST (\$20.51 X 13.21%)

\$2.71

AVERAGE HOURLY WAGE PLUS RELATED COSTS

\$23.22

HRLY COSTS ADJUSTED FOR ACTUAL HRS WORKED

**\$24.64**

(1,960 AVG HOURS PLUS AVERAGE HOURS PAID TIME OFF)

(\$23.22 X 2080/1,960)

RATE CHARGE FOR LABOR	OFFICE PERSONNEL					
OFFICE PERSONNEL	HRLY WAGE	HRS WORKED	PTO HRS	TOTAL HRS PAID	HEALTH & LIFE	
					MONTHLY	YEARLY
Samantha J. Bishop	\$18.07	1,920	160	2,080	\$297.25	\$3,566.98
Ashley B. Lewis	10.00	1,960	120	2,080	0.00	0.00
Carla G. Carpenter	16.81	1,960	120	2,080	280.02	3,360.22
TOTAL	\$44.88	5,840	400	6,240	\$577.27	\$6,927.20
AVERAGE 3 EMPLOYEES	\$14.96	\$1,946.67	\$133.33	\$2,080.00	\$288.63	\$3,463.60
AVERAGE HOURLY HEALTH INSURANCE COSTS (ACTUAL COSTS)						\$1.67

#### ADDITIONAL COSTS

#### PERCENTAGES

FICA TAXES

5.66%

UNEMPLOYMENT TAXES

1.07%

WORKERS COMPENSATION

0.51%

RETIREMENT

3.30%

TOTAL

10.54%

HOURLY ADDITIONAL COST (\$20.51 X 13.21%)

\$1.58

AVERAGE HOURLY WAGE PLUS RELATED COSTS

\$16.54

HRLY COSTS ADJUSTED FOR ACTUAL HRS WORKED

(1,960 AVG HOURS PLUS AVERAGE HOURS PAID TIME OFF)

(\$16.54 X 2080/1,960)

**\$17.67**



## Activities Performed in Installation Expense for a Short-Side Meter Installation

*\* The listing below was developed by the management of the Western Rockcastle Water Association and represents their best estimate of the activities and corresponding times required in order to install a short side meter installation with two (2) men working on site.*

- Preparation prior to leaving the shop 10 minutes
  - Determine the type and quantity of materials/supplies that will be required to complete the new meter installation
  - Gather and load materials/supplies for transport to the site
  - Load backhoe and secure for transport to site
  - Fuel up the backhoe and dump/service trucks
- Travel to site 10 minutes
- Preparation at site 10 minutes
  - Perform a general site layout and develop plan for installation
  - Unload backhoe and all other materials/supplies
  - Determine location of main line & any other utilities that are present at the site.
- Installation of new meter 60 minutes
  - Excavate main line and prep for installation of saddle
  - Install saddle and corp stop & proceed to tap the main line
  - Excavate trench to allow for installation of service tubing and meter box
  - Set and level meter box and lid
  - Connect service tubing from main line to meter box
  - Perform pressure test and record results on meter installation log
  - Install meter within the meter box
- Finalization of the site and preparation to return to shop 10 minutes
  - Backfill all trenches and perform rough compaction
  - Perform rough cleanup in preparation for final cleanup at a later date
  - Clean roads and driveways when applicable
  - Load backhoe and all remaining supplies/materials and secure for return transport to shop
- Return from site 10 minutes
- Activities performed once back at shop 10 minutes
  - Unload backhoe and all remaining supplies/materials
  - Fill out meter installation log

**TOTAL TIME REQUIRED PER SERVICEMAN:**

**2 HOURS**

## Activities Performed in Installation Expense for a Long-Side Meter Installation

*\* The listing below was developed by the management of the Western Rockcastle Warer Association and represent their best estimate of the activities and corresponding times required in order to install a long side meter installation with two (2) men working on site.*

- Preparation prior to leaving the shop 10 minutes
  - Determine the type and quantity of materials/supplies that will be required to complete the new meter installation
  - Gather and load materials/supplies for transport to the site
  - Load backhoe and push machine and secure for transport to site
  - Fuel up the backhoe and dump/service trucks
- Travel to site 10 minutes
- Preparation at site 20 minutes
  - Perform a general site layout and develop plan for installation
  - Unload backhoe, boring machine, and all other materials/supplies
  - Determine location of main line & any other utilities that are present at the site.
- Perform Push (Bore) of Roadway 60 minutes
  - Excavate push pit and receiving pit
  - Set up push rod machine
  - Perform push and install encasement pipe
- Installation of new meter 30 minutes
  - Excavate main line and prep for installation of saddle
  - Install saddle and corp stop & proceed to tap the main line
  - Excavate trench to allow for installation of service tubing and meter box
  - Set and level meter box and lid
  - Connect service tubing from main line to meter box
  - Perform pressure test and record results on meter installation log
  - Install meter within the meter box
- Finalization of the site and preparation to return to shop 10 minutes
  - Backfill all trenches and pits and perform rough compaction
  - Perform rough cleanup in preparation for final cleanup at a later date
  - Clean roads and driveways when applicable
  - Load backhoe, push machine and all remaining supplies/materials and secure for return transport to shop
- Return from site 10 minutes
- Activities performed once back at shop 10 minutes
  - Unload backhoe, boring machine and all remaining supplies/materials
  - Fill out meter installation log

**TOTAL TIME REQUIRED PER SERVICEMAN: 2.5 HOURS**

## Activities Performed in Administrative Expense

*\* The listing below was developed by the management of the Western Rockcastle Water Association and represents their best estimate of the activities and corresponding times that are included in its calculation of the administrative expense.*

- Completing application from customer
  - The office staff completes the new meter application with the customer present or over the telephone 10 minutes
- Process and confirm plumbing construction permit
  - The health department is contacted to confirm that a plumbing permit has been issued for the customer/location where service was applied for. 15 minutes
- Contact Kentucky 811
  - Kentucky 811 is contacted so that all utilities that are part of the 811 system can be notified to locate their buried lines.
  - Often times this takes an extended period time due to waiting to speak to an available representative. 10 minutes
- Contact other utilities that are not part of Kentucky 811 10 minutes
- Create a new customer account
  - A new account number is assigned
  - A new customer account is then created in the computer file/billing system
  - A new customer account is also created in the paper filing system 15 minutes

**TOTAL TIME REQUIRED: 1 HOUR**