

**AVERAGE METER CONNECTION EXPENSE  
COST JUSTIFICATION**

Name of Utility North Shelby Water Company

The following is an itemization of expenses for providing a metered service connection.

**A. Meter Size**

5/8-Inch     3/4-Inch     1-Inch     1 1/2 -Inch     2-Inch

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

**B. Materials Expense**

	<u>Unit Quantity</u>	<u>Cost</u>	<u>Total Cost</u>
1. Water Meter	<u>1</u>	<u>51.40</u>	<u>51.40</u>
2. Meter Yoke	<u>1</u>	<u>227.30</u>	<u>227.30</u>
3. Corporation Stop	<u>1</u>	<u>61.83</u>	<u>61.83</u>
4. Meter Box and Top	<u>1</u>	<u>67.48</u>	<u>67.48</u>
5. Miscellaneous Fittings	<u>-</u>	<u>-</u>	<u>-</u>
6. Other (Itemize)			
<u>Tapping Saddle</u>	<u>1</u>	<u>41.26</u>	<u>41.26</u>
<u>P.E. Tubing Inserts</u>	<u>2</u>	<u>1.87</u>	<u>3.74</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
 TOTAL MATERIALS EXPENSE (add total cost)			<u>\$ 453.01</u>

**C. Service Pipe Expense**

Type of Service Pipe Polyethylene Tubing Size of Service Pipe 1-Inch

	<u>Unit Quantity</u>	<u>Cost</u>	<u>Total Cost</u>
1. Short Side Service	<u>15</u>	<u>0.53</u>	<u>7.95</u>
2. Long Side Service	<u>70</u>	<u>0.53</u>	<u>37.10</u>
2a. Long Side Service (1-1/2" Casing Pipe)	<u>30</u>	<u>0.49</u>	<u>14.70</u>
AVERAGE SERVICE PIPE EXPENSE (add total cost and divide by 2)			<u>\$ 29.88</u>

**D. Installation Labor Expense**

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Short Side Service (2 employees @ 3.5 hours)	<u>7</u>	<u>21.19</u>	<u>148.33</u>
2. Long Side Service (2 employees @ 7 hours)	<u>14</u>	<u>21.19</u>	<u>296.66</u>
AVERAGE INSTALLATION LABOR EXPENSE (add total cost and divide by 2)			<u>\$ 222.50</u>

**E. Installation Equipment Expense**

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Short Side Service (Backhoe)	<u>2.5</u>	<u>50.00</u>	<u>125.00</u>
2. Long Side Service (Backhoe)	<u>5.5</u>	<u>50.00</u>	<u>275.00</u>
2a. Long Side Service (Push Rod Machine)	<u>2</u>	<u>15.00</u>	<u>30.00</u>
AVERAGE INSTALLATION EQUIPMENT EXPENSE (add total cost and divide by 2)			<u>\$ 215.00</u>

**F. Installation Miscellaneous Expense**

	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total Cost</u>
1. Inspection	<u>-</u>	<u>-</u>	<u>-</u>
2. Site Clean-Up (2 employees @ 1hour)	<u>2</u>	<u>21.19</u>	<u>42.38</u>
3. Other			
<i><u>Milage: 1-Ton Service Truck</u></i>	<u>30 mi</u>	<u>0.565/mi</u>	<u>16.95</u>
<i><u>Milage: Dump Truck &amp; Trailer</u></i>	<u>30 mi</u>	<u>0.565/mi</u>	<u>16.95</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
AVERAGE INSTALLATION MISCELLANEOUS EXPENSE (add total cost)			\$ <u>76.28</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* \$ 19.51  
*@ \$19.51/hr* )

**I. Total Expenses**

Materials Expense	\$ <u>453.01</u>
Service Pipe Expense	<u>29.88</u>
Installation Labor Expense	<u>222.50</u>
Installation Equipment Expense	<u>215.00</u>
Installation Miscellaneous Expense	<u>76.28</u>
Overhead Expense	<u>-</u>
Administrative Expense	<u>19.51</u>

**TOTAL CONNECTION EXPENSE** \$ 1,016.18  
≈ \$ 1,000.00