

**CITY OF PIEDMONT, WEST VIRGINIA  
ALTERNATIVE WATER SOURCE PROJECT**

Thrasher Project D10-11022

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February 2024

**TEST WELL DRILLING PROJECT COSTS**

<b>Study and Report Phase</b>	\$25,000.00
<b>Hydrogeologic Study</b>	\$25,000.00
<b>Test Well Drilling (2 Each)</b>	\$60,000.00
<b>Aquifer Testing (2 Each)</b>	\$100,000.00
<b>Legal</b>	\$30,000.00
<b>Existing Completed Engineering Work</b>	\$30,000.00
<b>Site Restoration</b>	\$10,000.00
<b>Permitting Fees</b>	\$10,000.00
<b>Land and Rights-of-Way Surveying</b>	<u>\$5,000.00</u>
<b>Preliminary Project Cost</b>	\$295,000.00

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DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL PRICE
Mobilization/Demobilization	1 LS@	\$40,000.00 /LS	\$40,000.00
Videotaping of Project Area	1 LS@	\$5,000.00 /LS	\$5,000.00
Erosion and Sediment Control Measures	1 LS@	\$10,000.00 /LS	\$10,000.00
Site Improvements	1 LS@	\$30,000.00 /LS	\$30,000.00
C-900 DR-18 Raw Water Line	600 LF@	\$85.00 /LF	\$51,000.00
Ductile Iron CL-50 M.JT. Creek Crossing Pipe	100 LF@	\$150.00 /LF	\$15,000.00
M.JT. Gate Valve, Complete w/ Box and Lip	6 EA@	\$5,000.00 /EA	\$30,000.00
Tie-Into Existing 12" Raw Water Line, Complete	3 EA@	\$5,000.00 /EA	\$15,000.00
Sample Tap	3 EA@	\$1,000.00 /EA	\$3,000.00
4" PVC Schedule 40 Conduit w/Pull Rope	250 LF@	\$22.00 /LF	\$5,500.00
6' High Chain Link Fence, Complete with Two (2) 6' Wide Swing Gates	300 LF@	\$65.00 /LF	\$19,500.00
Test Well Conversion to New Water Source	1 LS@	\$100,000.00 /LS	\$100,000.00
New Well Site, to Include New Well Pump, Electrical Service to the Well Pump, Panel, Panel Structure, Pump Housing w/ Well Cap, and Access Road	3 LS@	\$200,000.00 /LS	\$600,000.00
Site Electrical Upgrades	1 LS@	\$75,000.00 /LS	\$75,000.00
<b>SUBTOTAL CONSTRUCTION</b>			<b>\$999,000.00</b>
<b>CONSTRUCTION CONTINGENCY (+/-15%)</b>			<b>\$147,500.00</b>
<b>TOTAL CONSTRUCTION</b>			<b>\$1,146,500.00</b>

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**PROJECT COST SUMMARY**

<b>Total Estimated Construction Costs</b>		\$1,146,500.00
<b>Study and Report Phase</b>		<i>Critical Need \$</i>
<b>Preliminary Design Phase</b>		\$65,000.00
<b>Final Design Phase</b>		\$45,000.00
<b>Bidding and Negotiation</b>		\$20,000.00
<b>Construction Phase (Engineering During Construction)</b>		\$35,000.00
<b>Post-Construction Phase</b>		\$15,000.00
<b>Resident Project Representative</b>		\$60,000.00
<b>Special Services</b>		\$40,000.00
<i>Subsurface Investigations</i>	\$20,000.00	
<i>Engineering Surveys and Topo</i>	\$10,000.00	
<i>Mapping</i>	\$2,500.00	
<i>Hydrogeologic Study</i>	<i>Critical Need \$</i>	
<i>Preparation of Funding Application</i>	\$7,500.00	
<b>Legal Fees</b>		\$45,000.00
<i>Local Project Attorney</i>	\$10,000.00	
<i>Land &amp; ROWs Attorney</i>	\$25,000.00	
<i>PSC Attorney</i>	\$10,000.00	
<b>Administration Fees</b>		\$33,500.00
<i>Project Accountant</i>	\$30,000.00	
<i>Other Administrator Cost</i>	\$3,500.00	
<b>Financing</b>		\$26,000.00
<i>Registrar Fees</i>	\$1,000.00	
<i>Bond Counsel/Other Closing Costs</i>	\$25,000.00	
<b>Permits</b>		\$19,000.00
<i>USACOE Nationwide Permit</i>	\$1,000.00	
<i>Phase I Archeological Study</i>	\$2,500.00	
<i>Habitat Assessment (Indiana/Northern Long-Eared Bats)</i>	\$1,000.00	
<i>Conservation Plan</i>	\$1,000.00	
<i>NPDES Stormwater Construction Permit</i>	\$1,000.00	
<i>Environmental Mitigation Plan / Implementation</i>	\$2,500.00	
<i>Well Certifications</i>	\$10,000.00	
<b>Land Costs</b>		
<i>Land Acquisition</i>	<i>Critical Need \$</i>	
<b>Total Soft Costs</b>		<u>\$403,500.00</u>
<b>TOTAL PROJECT COST</b>		<b>\$1,550,000.00</b>