

# Why a Barger and Sons Septic Tank is the Best Value for the Homeowner

Tank Feature	Barger and Sons Approach	Other Manufacturers' Approach	Benefits to Homeowner
<b>Zero Inflow and Infiltration</b>			
Watertight Tank	<ul style="list-style-type: none"> <li>• Use ASTM C990 sealant and proven application methods</li> <li>• Joint design enhances seal</li> </ul>	<ul style="list-style-type: none"> <li>• Cheap sealant does not meet ASTM specifications and fails</li> <li>• Joint design and sealant size inadequate to assure water tightness</li> </ul>	<ul style="list-style-type: none"> <li>• Prevents expensive premature replacement of field line</li> <li>• Prevents raw sewage seepage to lawn surface</li> </ul>
<b>Tank Design and Construction</b>			
Superior Tank Strength	<ul style="list-style-type: none"> <li>• Engineered tank design</li> <li>• Superior 5,000 psi concrete strength</li> <li>• Prefabricated and precisely positioned rebar structure</li> </ul>	<ul style="list-style-type: none"> <li>• Do not have engineered design</li> <li>• May collapse after installation</li> <li>• Lack of or improperly positioned rebar can accelerate tank failure</li> </ul>	<ul style="list-style-type: none"> <li>• Prevents catastrophic failure due to ground pressure or riding lawn mowers</li> <li>• Septic tanks maintain structural integrity for at least 30 years</li> </ul>
Zero Baffle Wall Failures	<ul style="list-style-type: none"> <li>• Thicker, monolithic wall baffle poured as part of tank walls, reinforced by rebar, remains perfectly positioned for life of tank, and functions perfectly to separate and retain solids from liquid waste</li> </ul>	<ul style="list-style-type: none"> <li>• Prone to failure due to thin design and being held in place by brick, baffle wall wobbles in place</li> <li>• Have no rebar reinforcing and are not tied directly into the tank walls</li> <li>• Exposed metal lifting wire leads to solids gathering around baffle wall passage</li> </ul>	<ul style="list-style-type: none"> <li>• Solids do not enter increasing the life of the field line and decreasing system failure</li> <li>• Avoids replacement of septic tank due to baffle wall failure</li> <li>• Septic tanks perform like new 30 years after installation</li> </ul>
<b>Quality of Manufacturing</b>			
Consistent Manufacturing methods	<ul style="list-style-type: none"> <li>• Zero defects quality philosophy</li> <li>• Methods validated by random audits by independent professional engineering firm</li> <li>• ACI certified technicians and NPCA Production Quality School certified workers</li> </ul>	<ul style="list-style-type: none"> <li>• Do not employ ACI Certified technicians to ensure quality concrete</li> <li>• Production drawings are not available to manufacturing employees</li> </ul>	<ul style="list-style-type: none"> <li>• Ensures that each tank is built to the highest standards</li> <li>• Highest possible chance to receive a tank that has no defects</li> </ul>
Recognized Tank Expertise	<ul style="list-style-type: none"> <li>• Only septic tank manufacturing plant in East Tennessee that is NPCA Certified</li> <li>• Featured manufacturer in industry trade publications</li> <li>• Selected to provide products to solve international environmental issue on behalf of government agency</li> <li>• Manager serves on international tank quality assurance steering committee</li> <li>• Tanks used exclusively in more than 50 utility district projects</li> </ul>	<ul style="list-style-type: none"> <li>• Do not participate in recognized trade association</li> </ul>	<ul style="list-style-type: none"> <li>• Application of latest and best technologies</li> <li>• Continuous improvement through access to world-class experts</li> </ul>
<b>Life Cycle Cost</b>			
Lowest Cost to Install and Maintain	<ul style="list-style-type: none"> <li>• High quality of tank design and construction maximize useful life of tank and field line</li> <li>• Provide lowest overall cost to install and maintain</li> </ul>	<ul style="list-style-type: none"> <li>• Faulty tank design and construction can lead to premature failure of tank and field line resulting in significantly increased operational costs</li> </ul>	<ul style="list-style-type: none"> <li>• Minimizes total cost to homeowner</li> </ul>