SnapTite®

Large Diameter Culvert Lining Systems

1-800-CULVERT  www.CULVERT-REHAB.COM
State Departments of Transportation, counties and municipalities are facing a critical problem. Culverts installed 40 to 50 years ago are failing at an alarming rate nationwide. Thousands of corrugated metal culverts are so significantly rusted that a danger of sink holes, road collapse or flooding exists. Concrete culverts have cracked or pulled apart at the joint, creating similar dangerous scenarios. Conventional repair methods of the past have been to dig and replace the failed pipe. Snap-Tite is one of the few companies that can offer structural, no dig rehabilitation solutions for culverts of all sizes.

Snap-Tite's Large Diameter high density polyethylene (HDPE) Lining System is the ideal solution for failing metal and concrete culverts of any size, including oval or arched. Snap-Tite is a cost-effective, no-dig solution with field-tested benefits. Years of experience and thousands of culvert projects have proven that rehabbing a culvert with the Snap-Tite system is the better solution. Using solid wall HDPE pipe, as well as state-of-the-art profile wall HDPE pipe, culverts rehabilitated using the Snap-Tite system actually outperform the original structures. The low resistance of flow (Manning's N of 0.009) of HDPE pipe allows for greater flows. The use of gasketed or fused joints assures a watertight seal, easily meeting the requirements of ASTM D3212. Also, HDPE is of the most corrosion- and abrasion-resistant pipe materials available. Which means you can fix it, forget it and move on to the next challenge knowing Snap-Tite is a long-term solution.
Snap-Tite’s Large Diameter line is constructed of profile wall HDPE pipe meeting the ASTM F894 direct-bury sewer pipe requirements. These products offer all of the benefits of our solid wall line but in bigger diameters. The use of profile wall pipe provides lower weight answers at lower costs for even your largest culvert rehab needs. From our solid wall HDPE to our profile wall HDPE, the products offered by Snap-Tite have been selected based on the reputation of the manufacturers, the quality of their products and the needs of our customers.

Snap-Tite’s large diameter options are available in lengths from 20 to 50 feet long with special lengths available upon request. The pipe is joined together then pushed and/or pulled into the full length of the existing culvert. Unlike other rehab systems, the annular space between the old pipe and the new Snap-Tite is filled with a low-density cellular grout which fills any voids between the roadway and the culvert, delivering a truly ‘re-habbed’ culvert. Snap-Tite is also easy to install. Nearly all of the culvert renewal can be done off road with minimum disturbance to the right-of-way and without road closures.

Large Diameter HDPE Piping Systems Offers:
- Corrosion Resistance
- Light Weight
- Multiple Jointing Options
- Hydraulic Efficiency
- 100-Year Plus Service Life
- Impact Resistance
- 100% Leak-Free Restrained Joint
- Flexibility of Design
- Environmental Protection
- Chemical Resistance
- Cost Effectiveness
- Abrasion resistance
- High strength
- Long-term durability

Snap-Tite is ideal for rehabilitating existing culvert sites, especially:
- Roadways
- Railroads
- Levees
- Fish Passageways
Snap-Tite has Oval Pipe Options

Since one-third of existing culverts are arched, Snap-Tite® again has come up with a solution: oval pipe. It has the same benefits as round HDPE Snap-Tite®, yet made for a better fit into an existing arched culvert.

The Snap-Tite® Culvert Lining System actually outperforms both the round and oval concrete and corrugated metal pipes it rehabilitates. Lightweight, flexible, durable HDPE has an indefinite service life and the Snap-Tite® culvert lining joining system assures a water-tight seal at all joints.