

# FIELD REPORT

## Snap-Tite® Saves \$50,000+ Over Dig and Replace in Louisiana



*Full repair without disruption: that's the Snap-Tite® advantage.*

### BACKGROUND

At the end of a cul-de-sac in Houma, Louisiana in Terrebonne Parish, a corrugated metal pipe (CMP) ran along the back of two residential properties. Like so many of these pipes across the country, it was deteriorating and in desperate need of replacement. "The culverts were in very poor shape," explained Rory Sons, the gravity drainage superintendent for the Terrebonne Parish Consolidated Government. "If it failed, it could have caused major flooding in a residential area."

Because of the location of the pipe, there were several obstacles to take into consideration. The 48-inch CMP was approximately 516-feet long and about 10-feet underground. The outlet of the pipe was located on the north end of the properties which exited into a canal. The pipe extended through a wooden bulkhead on the north end as well. The catch basin connected two other drainage lines as well.

### WORKING UNDER OBSTACLES

All along the length of the pipe, there was also landscaping to contend with. Crepe Myrtle trees, Viburnum

bushes, cypress trees, and other plants dotted the property above the drainage line. It was imperative to preserve as much of the landscaping as possible while finding a solution to replace the crumbling culvert.

### SNAP-TITE® SOLUTION

Snap-Tite® was a great choice for rehabilitating the line. The system is made of high-density polyethylene (HDPE) pipe. "The quality is superior," said Sons. "The HDPE pipe with concrete around it will be around for a very long time." The patented male/female machining at each end of the HDPE allows the pipe ends to be 'snapped' together, piece-by-piece, and pushed into the full length of the existing pipe. To join Snap-Tite® in the field, often only a come-along and chains are needed.

To fill any annular space between the old culvert and the new Snap-Tite® pipe, liner grout was pumped in through tubes situated in the space above and below the corrugated metal pipe. The result is a solid pipe that will last for decades to come. It was installed without any disturbance to the property or the landscaping.

### LOCATION

Houma, Louisiana

### PROBLEM

Corrugated metal pipes (CMPs) on two residential properties are corroded and rapidly deteriorating.

### CONCLUSION

Successful relining of corrugated metal pipe with Snap-Tite®.





Sons worked with Snap-Tite® regional sales manager Scott Brignac to get the job done. With speed and quality both top priorities, Brignac knew they could offer the best solution. Between the cost of CMP, labor, material, equipment, repairs to the bulkhead, and additional costs for landscaping, the price of digging and replacing this culvert would have been nearly \$185,000. That's more than \$50,000 more than it cost to repair with Snap-Tite®.

Using HDPE, Snap-Tite® offers flexibility for insertion into misaligned concrete or rusted and deteriorating corrugated metal pipe. It is a safe method for installers and does not disturb the surrounding environment. Every bush and tree was left intact upon completion of the installation. "I have used this on three different occasions," Sons added. "I have been very satisfied with the product, the technical support from Scott Brignac, the landscaping, the overall job, and the time frame in which it was completed. It saved me time and money and I definitely plan to use Snap-Tite® in the future."

For more information on Snap-Tite, please visit [www.culvert-rehab.com](http://www.culvert-rehab.com)



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**SnapTite®**

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