

# FIELD REPORT

## Snap-Tite® Thread-Liner Provides Convenient Solution in an Emergency



*Ease of installation:  
Thread-Liner saves  
time and money*

### BACKGROUND

The City of Redmond, Washington was faced with an emergency situation. A storm drain running underneath a major two-way roadway was very near collapsing. Obviously, it was of utmost importance to move quickly to repair the damaged drain before the problem became more extensive and expensive.

The original drain was made of unreinforced concrete pipe. It was being crushed under the weight of the road. Joe O'Leary took on the project for the city. "After exploring some options, we realized we had two choices, dig and replace, or find a cost-effective way to rehabilitate the existing

drain," he explained.

### SNAP-TITE® SOLUTION

NW Relining LLC, an Olympia, Washington-based company, is a distributor for Snap-Tite® products.

O'Leary contacted Grey Langemo with NW Relining to discuss the available options for the project. It was clear they needed the least disruptive, quickest solution possible. They

could either use pipe bursting and replace the damaged drain with 12-inch high-density polyethylene (HDPE) or use Snap-Tite's HDPE Thread-Liner product in smaller sections with annular space grouting.



### CUSTOMER

City of Redmond

### LOCATION

Redmond, Washington

### PROBLEM

Storm drain on the verge of collapse under major roadway

### SOLUTION

Snap-Tite's HDPE Thread-Liner



*“After exploring some options, we realized we had two choices, dig and replace, or find a cost-effective way to rehabilitate the existing drain.”*



The project was unique in that there was a manhole at each end of the pipe with no way to excavate. NW Relining was able to provide 16-inch, 2.5 foot lengths of Snap-Tite's Thread-Liner that could be lowered into the hole and attached.

### THE BENEFIT OF THREAD-LINER

With Thread-Liner, special threaded sections of HDPE are inserted into the old drain, forming one continuous, leak-free liner. Once anchored and sealed by grouting, the new system is virtually maintenance-free.

The Thread-Liner pipe lining system is unmatched in ease of installation. It weighs as little as 10% of concrete, ductile iron, and clay pipes making it much easier to handle. Thread-Liner is a leak-free, independent system. It improves flow and has a dramatically longer service life. The HDPE material has incredible chemical and corrosion resistance. It also has high strength and flexibility.

Using this method allowed the city to keep the roadway from collapsing in a cost-effective way. The installation and grouting were all performed with zero impact to traffic.



**SnapTite®**

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