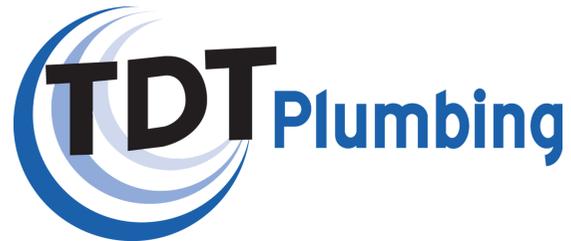


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EPIPE® CASE STUDIES

# MULTI-STORY RESTORATION PROJECTS

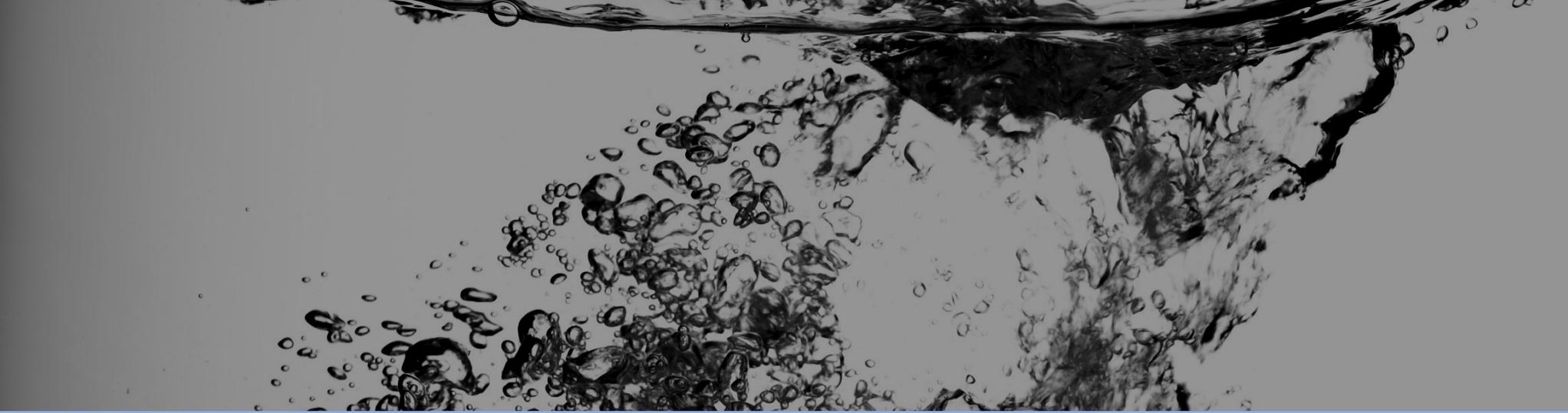


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PRESENTED BY

[TDTPLUMBING.COM](http://TDTPLUMBING.COM)





# INTRODUCTION

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Plumbing pipe rehab of multi-story residential and commercial properties requires special attention to cost, duration and occupant disruption.

TDT Plumbing brings long-term, cost-effective pipe rehab solutions that address stakeholder concerns by utilizing modern, patented plumbing technology along with expertise, experience, and a superior enterprise plumbing project management team.



# ABOUT THE TECHNOLOGY



In-place pipe restoration from TDT Plumbing provides diagnostics, application project timelines, downtime and costs that often result in a better than re-pipe experience. That's because ePIPE® provides a durable approved protective barrier coating that eliminates pinhole leaks and provides an added layer of protection, reducing the effect of corrosion. ePIPE® is proven to reduce lead and copper from leaching into your drinking water.



# COMMUNITY CARE PROGRAM

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Our team gives property owners pre-project advisement, minimizing resident disruption. Projects taking place in an occupied residential facility get extra special attention. We work with Property Management to inform residents of what to expect, how long it will take and protocol to address concerns. The goal is no unnecessary resident surprises!





# SENIOR LIVING FACILITIES

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HUD and Commercially owned Senior and Assisted Living facilities provide valuable services to some of our most vulnerable populations. The goal with senior and special needs housing developments is to provide a safe, healthy and stable environment. Part of that healthy and safe

environment includes clean, reliable water sources. As housing facilities age, water sources become prone to pinhole leaks, system breaches, slow drains, discolored water and mold. The longer these pipe issues remain, the more extensive and costly the repairs.



# CASE STUDY: HEIGHTS HOUSE

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Built in 1978, Heights House is a Senior Living Facility located in Houston Heights, TX. Domestic water piping is galvanized steel and copper.

The structure is 10 occupied floors consisting of 151  
1 bedroom, 1 bath units

# PROJECT PROBLEMS

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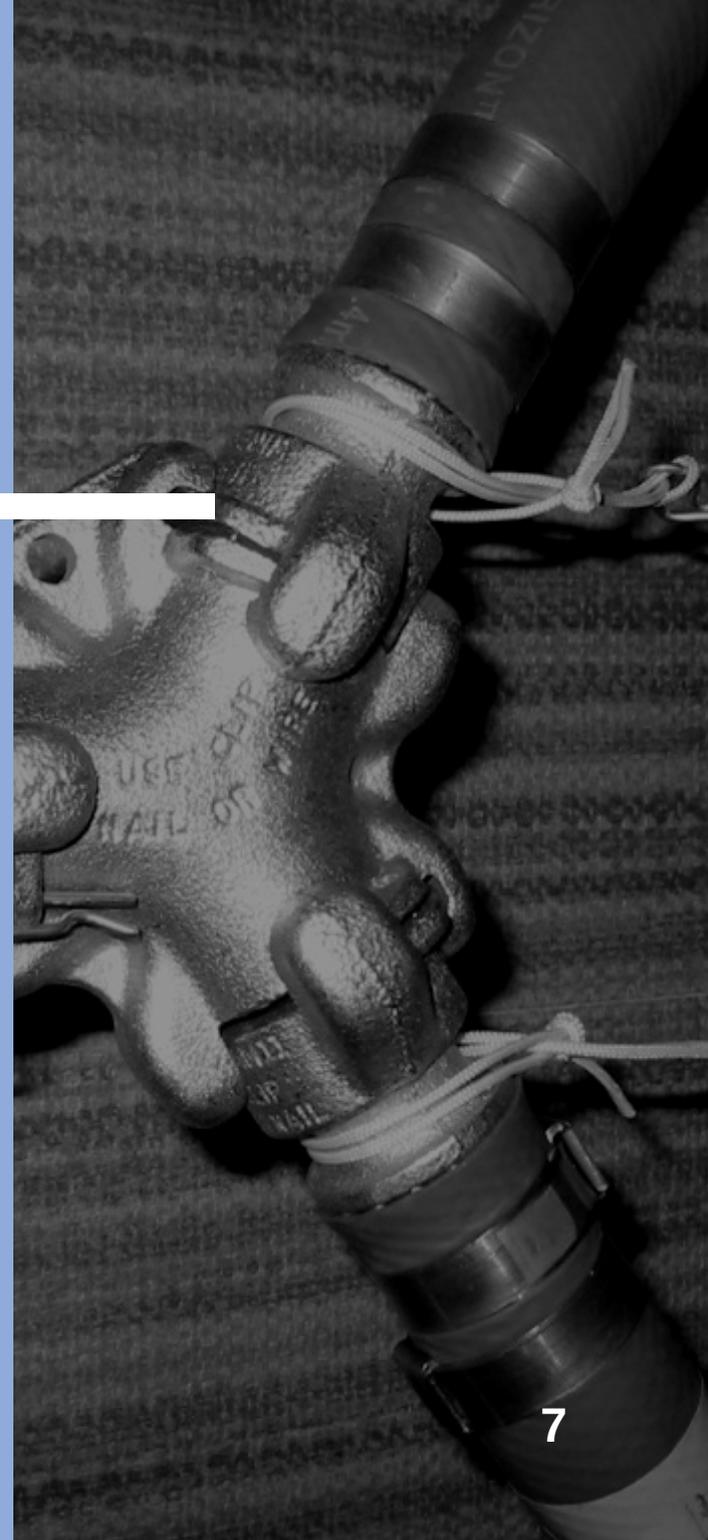
## *Project Stakeholder concerns:*

- Safety
- Low water pressure
- Rusty water
- Pin-hole leaks
- Disruption to senior residents

# PROJECT STRATEGY

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Notices were sent to each resident as well as town-hall-style meetings facilitated by Property Management to notify them of the upcoming pipe rehab project. With ePIPE® we are able to surgically service each apartment without turning off water to any other units on the floor. The epoxy process used takes approximately 90 minutes to cure, minimizing downtime. ePIPE® service hoses were hung from the ceiling structure with temporary brackets making hallways safe and passable.



# VIDEO

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As we work the Heights House project, we are documenting our progress with video. Potential clients can see our on the job management expertise as well as real-world solutions in action.

If you'd like a tour of the property, we'd be glad to facilitate that as well!

CLICK:

<https://tdtplumbing.com/heights-house-project-video/>



# PROJECT NOTES

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The Heights House ePIPE® project duration is scheduled for one year. The Property Management chose a slow and steady pace, working with one crew for 7 hours each day, minimizing disruption to daily operations.

## Why Heights House Chose ePIPE®

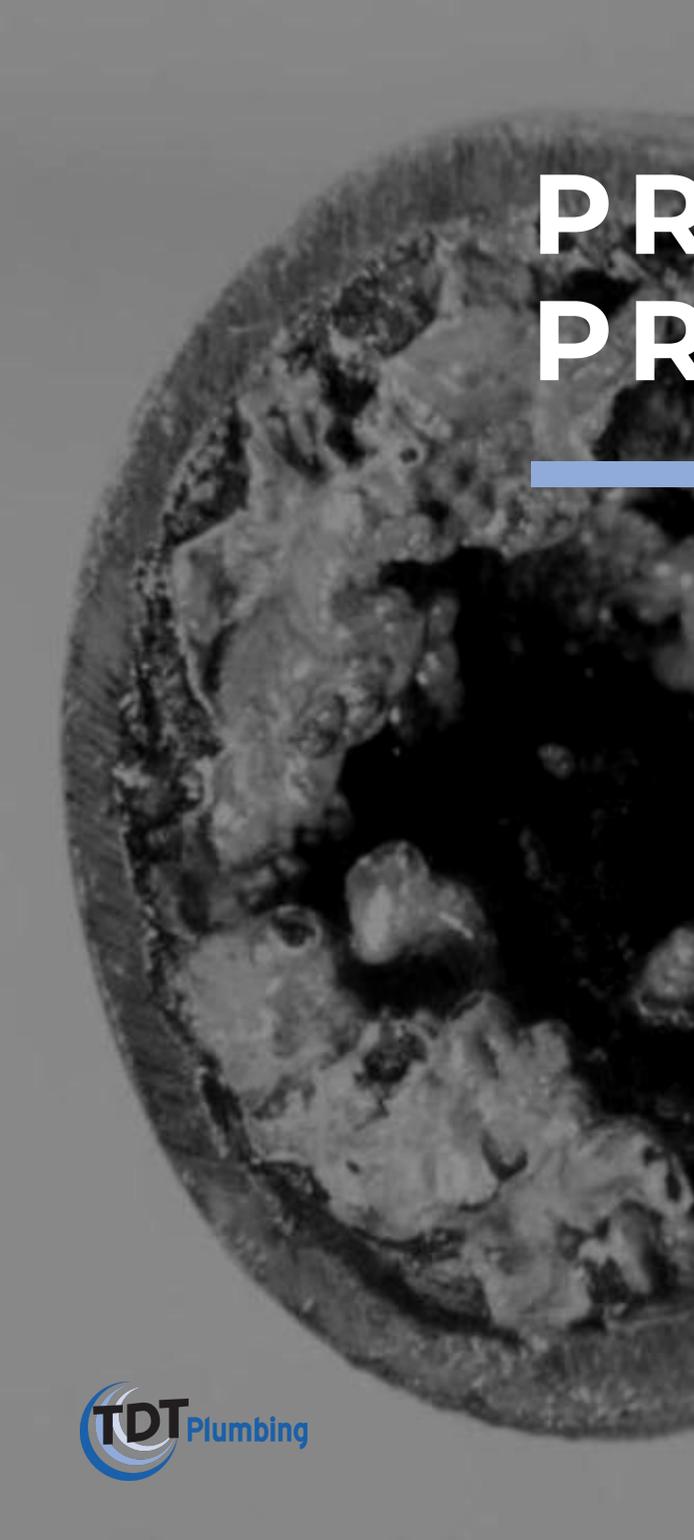
- Minimally invasive
- Minimal, if any, cost for demolition and/or wall repair
- Sustainable Technology
- Long-term solution: ePIPE® provides up to 75 years of pipe leak protection

A photograph of the Woodland Christian Tower, a 7-story high-rise building in Houston, TX. The building is dark-colored with many windows. A sign on the left side of the building reads "WCT NBA". The image is partially obscured by a blue overlay on the right side.

# CASE STUDY: WOODLAND CHRISTIAN TOWER

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Built in 1971, Woodland Christian Tower is a 7 story highrise building in Houston, TX designed to provide affordable housing to very low-income seniors age 62 and older, and disabled persons 18 years of age or older who require the features of an accessible apartment. Offering a total of 126 apartments, it is conveniently located near shopping, public transportation, and Interstate 45 North.



# PROJECT PROBLEMS

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## *Project Stakeholder concerns:*

- Safety
- Full remodel - fixture replacement
- Low to no water pressure. Pipes so heavily corroded, water was not passing through some areas
- Rusty water - healthcare violations
- Pin-hole leaks
- Disruption to occupants

# PROJECT STRATEGY

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The Woodland Christian Tower was to be a cosmetic makeover of faucets and fixtures. Once plumbing work began, it was discovered that domestic water lines were so corroded with build-up, that some residents were not getting hot water. This resulted in a hybrid solution of repiping and refurbishing. There was also the concern of asbestos and the cost of abatement. TDT was able to provide a viable solution that was City of Houston, ADA and NFPA code, and standard compliant.





# PROJECT NOTES



The Woodland Christian Tower needed solutions that addressed many infrastructure problems. We are able to provide solutions that comply with HUD requirements and guidelines, all within an occupied facility.

## Why Woodland Christian Tower Chose ePIPE®

- Minimally invasive
- Reduced cost for demolition and/or wall repair
- Sustainable Technology
- ePIPE® provides up to 75 years of pipe leak protection

# ENTERPRISE LEADERSHIP TEAM

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Gary and Vic are the backbone of TDT's enterprise leadership team. They encourage a company culture of innovation, trust, and results. Both are passionate about pipes. As industry veterans, they can solve problems that may seem cost prohibitive or simply just seem unsolvable to others. TDT creates cost effective, long-term solutions.

Gary and Vic are Houston's leading pipe experts.



GARY GOULD

Gary started Texas Drain Technologies in 1998 and pioneered forensic investigative plumbing in Texas. He's passionate and driven to create clean, safe drinking water for our local communities using the latest innovation.



VIC CASO

Vic is TDT's Marketing and Sales Director. He's your "go to guy" when it comes to making things happen. Plus, he's just such a great person to work with and an excellent communicator. Everyone loves Vic!

# MARKET LEADERSHIP

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TDT Plumbing has over 20 years experience with pipe repair and refurbishment. They were first in Texas to bring innovative ePIPE® technology to residential and commercial property owners.

They have expertise in multilevel commercial and HUD properties and are Houston's best resource for large, occupied residential commercial projects.



# 5 STAR ENDORSEMENTS

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The epoxy coating process is very labor intensive. This 5 star review is for the crew that actually did the work and for the technology. Once Julio, Saul, and Carmen were on the job, we knew our stressful piping leaks would be handled correctly. The crew was friendly, competent, and hard working. They communicated all the problems and solutions and clearly wanted to do the job right. All in all, this crew and the DuraFlow technology saved us from a very problematic re-piping option.

- David Wilde



These guys are amazing. I've been living with sewer gas in my lease off and on for 5 years. Another very reputable and highly recommended company had been called out to find the problem three times. Two of the times they found problems, but it wasn't "the" problem. TDT found the problem and fixed it. These guys are amazing!!!!

- Daniel J. Hoffman

# TDT PLUMBING ADDED BENEFITS

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U.S. EPA and Water Research Foundation sponsored WRF Report 4351 - Evaluation of Lead Service Line Lining and Coating Technologies concluded:

"Coating technologies can effectively reduce or eliminate release of lead from LSLs, are expected to have a long service life and can potentially result in significant cost savings... Recommended for consideration by both public water systems and property owners."

# LEADSMART

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Getting certified is just the start. We stand by our results. Every LeadSmart test is backed up by one million dollars in coverage.

# ASBESTOS ABATEMENT

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Once LeadSmart resolves your plumbing system's elevated lead levels. You'll receive a LeadSmart certification for your plumbing system, receive window badges with unique ID#s that can be verified 24/7 on LeadSmart's online directory.

Refurbishing older structures can result in the discovery of asbestos during wall demolition. ePIPE® technology is minimally invasive and can save property owners from the high cost and inconvenience of asbestos abatement that comes with wall demolition.

# **CERTIFIED PAYROLL READY**

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Projects that are publicly funded typically require the contractor to pay a prevailing wage (Davis-Bacon wage) rate for workers on the job. Then, for each payroll period, TDT creates certified payroll reports that are prevailing wage compliant.

# **OFF-SHORE READY**

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Our Service Teams are offshore experienced and Homeland Security compliant. Each service technician is TWIC credentialed and has continuous project specific safety training. Property Owners and Project Managers have peace of mind knowing that we follow all safety and security protocol.

# CREDENTIALS & ENDORSEMENTS

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Web: [tdtplumbing.com](http://tdtplumbing.com)



Certified to  
NSF/ANSI 61





*Lunch  
With Vic!*



**MAKE AN APPOINTMENT FOR A MULTILEVEL  
STRUCTURE DOMESTIC PIPE ASSESSMENT**

**RePipe or ReFurbish?**

If you are a Property Owner, General Contractor or On-Site Property Maintenance Manager and your property is experiencing slow drains, rusty water, low water pressure, pinhole leaks, and mold, it's time to take action.

**What are your choices?**

**Call (713) 697-2088 and schedule a free  
assessment today!**

**Vic will even take you to lunch!**

