

HydraTech Field Services, LLC

DON'T REPLACE WHAT WE CAN REPAIR



**PRESERVE
PROLONG
PROTECT
PREVENT**





HydraTech Field Services, LLC is a premier contractor focusing on repair rather than replacement. HydraTech installs only the highest quality and most innovative products, providing clients with value-engineered and long-lasting solutions to repair pipelines and bridges.

From pipe joint repair utilizing the HydraTite seal, to pouring concrete in a culvert invert, HydraTech is the leading solution provider for trenchless pipeline repair. HydraTech utilizes cutting-edge bridge repair materials, including carbon and glass fiber wrap, to restore bridge structures cost-effectively.

HydraTech offers subcontracting, general contracting, direct contracting, and training services that meet the client's needs. All of HydraTech's technicians receive at least 40 hours of formal training on a yearly basis.



Our Advantages

We fix the problem at the source. Our services are directed specifically toward the problem areas of pipelines and bridges. HydraTech is also reliable and can be counted on when most needed. We can begin executing a contract within two or three weeks. When an owner or contractor calls, we answer the phone.



Backed By Experience

All our premier solutions have been certifiably researched and tested. We only implement repair methods with proven results. We offer on-site pre-construction inspections—often free of charge—to determine the appropriate repair method before drafting a proposal and assigning work.



Services We Offer

- Internal Pipe Joint Sealing
- Fiber Wrap
- Epoxy Applications
- Grout Injection
- Culvert Cleanout
- Culvert Invert Paving
- Miscellaneous Concrete Patching (Pipes & Bridges)
- Confined Space Labor (Pipe/Tank Minimum of 18 Inches)
- Inspection of Pipelines
- Dewatering & Bypassing
- Incidental Traffic Control
- Surface Prep/High-Pressure Water Blasting

Industries We Service



Municipal



Industrial



Power Plants



Water & Utilities



DOT/Transportation



INTERNAL PIPE

HydraTite®

JOINT SEAL

HydraTite is a mechanical repair installed inside a pipe to seal leaks and rehabilitate aging underground infrastructure without excavation. It is a simple and customizable system comprised of two main components: a rubber sleeve and stainless steel retaining bands. The rubber sleeve is pressed against the interior surface of the pipe while the retaining bands lock it in place, providing a lifetime repair. We can train your crew on installation or provide a complete turn-key solution.

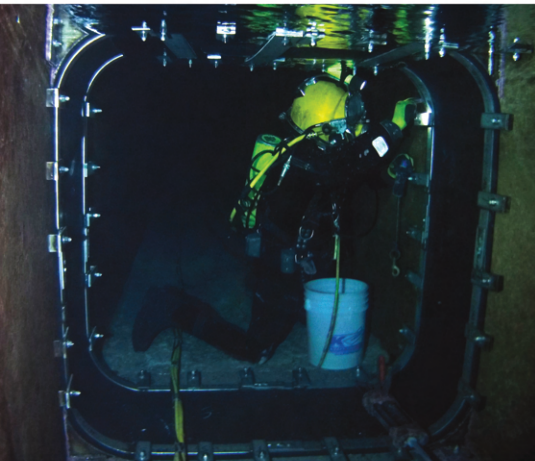
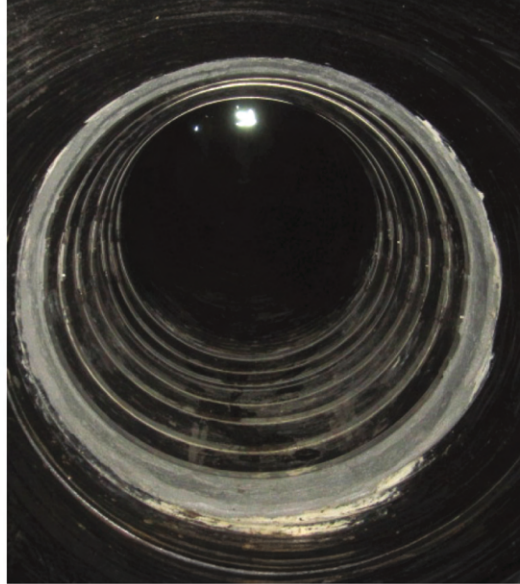


Appropriate For

- Large Diameter
- Small Diameter (Minimum 24 Inches)
- Corrugated Metal, Concrete, & PVC
- Elliptical, Box, & Other Odd Shapes
- Expansion Joint Replacement
- Termination Band For Liner

HydraTite Examples

This repair location was too extensive for our double-wide seal to cover, but a sleeve of three seals successfully restored this CMP (corrugated metal pipe).



HydraTech trained these divers so that they could install the 9 seals needed to eliminate leaks in this water treatment facility's filtered water conduit system. The system did not need to be shut down for the box seals to be installed in these submerged conduits.

HydraTite has been installed as a termination band to provide an additional layer of protection. The seal is positioned over the end of a liner to ensure that water does not backtrack underneath.



Fiber Wrap

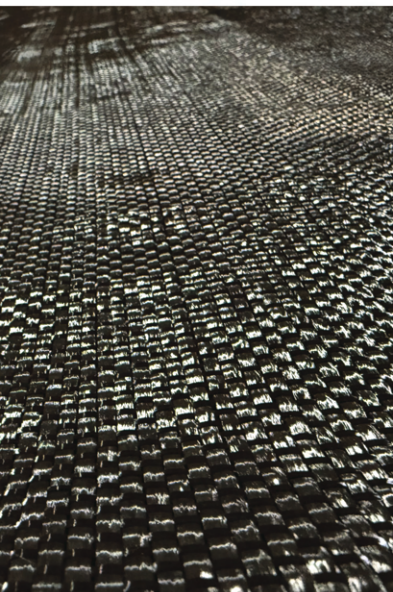
Fiber Wrap is a lightweight repair method that is durable and flexible. It serves as a layer of protection against weather and chemicals. Installation of fiber wrap is only a fraction of the cost of replacement and takes significantly less time.



HYDRAWRAP

STRUCTURAL COMPOSITE REPAIR SYSTEM

HydraWrap is our bi-directional fabric and epoxy system that provides strength to structures under pressure across multiple axes. Our kits are highly customizable with epoxies engineered for various situations.



Customizable Kits

- Standard Epoxy
- Elevated-Temp Epoxy
- High-Temp Epoxy
- Acid-Resistant Epoxy
- SubSea Epoxy
- All-Inclusive Marine Kit
- Fiberglass Fabric

Fiber Wrap Examples

Our crew applied a carbon fiber wrap to this bridge's pier caps to increase the bridge's shear strength. HydraTech worked at night to minimize the effect on traffic on this congested section of the interstate.



The exterior of this PCCP (prestressed concrete cylinder pipe) was wrapped using our HydraWrap system. The cooling pipe was able to be put back in use quickly and its service life was extended.

We applied HydraWrap at a water treatment facility to restore their carbon steel vertical digester mixing pipes that had begun leaking. In five days, our crew applied two layers of fabric to the two affected pipes.





Leaks had developed in a cooling water supply pipe of a vessel. We provided training and supervision. In only one day, the vessel's personnel repaired the deteriorated pipe elbow and tee fitting with HydraWrap.



HYDRALine

Versatile Epoxy Based Products

HydraLine is a chemical and corrosion-resistant epoxy. It is also a proven primer, filler, and FRP binder. The project depicted above involved waterproofing a storm drain retention tank in which the fiberglass liner was cracked and peeling up. Our epoxy was an economical solution that allowed the tank to be put back in service.



Epoxy Application

This concrete box culvert was spalling in several areas. These cracks were injected with epoxy and polyurethane products and trowel mortar was applied to smaller spall areas. The existing culvert was restored with no disturbance to traffic.



Culvert Cleanout

Many culverts collect debris that needs to be removed to either reestablish proper flow or in preparation for internal repairs to the system.



Culvert Invert Paving

The invert of a culvert is in most frequent contact with the water and the debris it carries. Therefore, the resulting corrosion and abrasion have the strongest effect on the lower portion of the culvert. In many instances, this means the pipe is structurally sound but the compromised invert allows water to work its way underneath the pipe and displace the surrounding soil. If the culvert is not rehabilitated it could eventually collapse. Our crew has completed many culvert invert field paving projects as a targeted repair that reestablished proper flow for the aging culverts.

Surface Prep

HydraTech has experience in grit blasting, grinding, and high-pressure water blasting to achieve a proper mechanical profile for applications of various repairs such as epoxy coatings.



Concrete Patching

We removed spalling concrete in order to apply a new layer of concrete to this bridge's aging columns and crash walls. 30 columns and 5 crash walls were rehabilitated.



Confined Space

Many of our products and services require that our field crew work in confined spaces. They are very familiar with navigating small-diameter pipes and tanks.



Inspections

If you suspect that your pipe is suffering from joint separation or that roots have invaded your system, allow us to determine the location and severity of the compromise.





Dewatering & Bypassing

Many applications are only feasible if the system is dewatered and the flow diverted. In other instances, work is made easier or faster by keeping the system dry.

Traffic Control

We implement many repairs near or under active roads. Because of this, we have ample experience managing the flow of traffic.



Our professional installers can perform the work or train your staff to complete the job. Our proven trenchless solutions provide pipe remediation in a fraction of the time and at a fraction of the cost as compared to replacement.



HydraTite, HydraWrap, and HydraLine have been installed thousands of times. These durable products, customized for every situation, provide long-term solutions. They restore pipes to their original functionality and extend service life substantially.



Stop leaks, prevent disasters, prolong pipe life, and restore other structures with HydraTech.





hydratechllc.com/services/field-services



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