Wastewater Solutions
MUNICIPAL AND INDUSTRIAL WASTEWATER SOLUTIONS

For more than 100 years (since 1904), Contech Engineered Solutions LLC has been a leader in the pipe industry. From our beginnings as a Corrugated Steel Pipe manufacturer, to the development of cost-effective, long service life PVC storm and sanitary piping systems, to the game changing development of DuroMaxx® – Steel Reinforced Polyethylene (SRPE) piping system, Contech has always sought to provide our customers with tomorrow’s technology today while consistently providing world class service and support.

CONTECH PROVIDES INDUSTRY LEADING PERFORMANCE

Municipal and Industrial wastewater management, storage and treatment presents owners and project designers with many unique challenges. From the laterals connecting residential, commercial and industrial facilities to the collection system to final treatment and discharge, wastewater’s corrosive properties and the environmental costs of leakage require piping systems that provide long service life and watertight joints. Contech’s family of wastewater products provide industry leading performance and 100 year+ service life at cost points that allow our customers to do more with ever shrinking budgets.
Please consider Contech products for your next project and contact your local Contech Sales Engineer for more information.

www.conteches.com | (800) 338-1122
SANITARY SEWER CONVEYANCE/YARD PIPING

**Eastern Idaho Sanitary Interceptor**
Shelley, Idaho

- 4 Miles of 36-in dia.
- 2.5 Miles of 42-in. dia.
- 7 Miles of 48-in. dia.

In Phase I of 3, the Eastern Idaho Regional Wastewater Authority evaluated the performance of DuroMaxx® Steel Reinforced PE (SRPE) as their large diameter sanitary interceptor line. The integrity of the gravity sewer installation was tested and the DuroMaxx was chosen for all 14 miles due to its exceptional pipe performance in the proposal evaluation process.

A-2000™ PVC was also included for some of the smaller diameters needed.

**Bryan’s Lift Station Improvements**
Monticello, Indiana

- DuroMaxx® CSO System
- 395,000 gallons of storage

Bryan’s Lift Station originally was constructed in the 1950s and served combined sanitary and storm sewers.

During peak water events, the lift station was overwhelmed and unable to handle the full flow resulting combined sewer overflow events. Contech’s DuroMaxx® SRPE technology was engineered into a CSO detention and drainage system that met the challenges of having a small footprint, watertight joint performance and long-term durability.

This project is a recipient of the Indiana ACEC 2012 Engineering Excellence Honor Award.
### REHABILITATION

**South Kansas River Pump Station**  
Topeka, Kansas

- SPR™ PE steel reinforced HDPE
- 453 LF of structural lining for a 78” diameter reinforced concrete pipe

The City of Topeka had scheduled the repair of several hundred feet of deteriorating reinforced concrete pipe (RCP) sanitary sewer line at their South Kansas River Pump Station.

Given the 18 feet of cover over the existing reinforced concrete pipe, SPR™ PE pipe liner supplied by Contech Engineered Solutions was the selected material of choice for this project. In this way, they could reline the system completely from one manhole and under live flow conditions.

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**Scott Creek Trunk Sewer**  
Belmont, Michigan

- Gasketed PVC TRUSS PIPE®
- 2,000 LF of 15-in. diameter

An existing concrete trunk sewer was experiencing increased amounts of infiltration and sagging in the pipe causing velocities below design conditions that required it to be replaced. Plainfield Charter Township used Contech Engineered Solutions’ Gasketed PVC – TRUSS PIPE® for this replacement. TRUSS PIPE provides a unique, semi-rigid wall design and unparalleled in-ground performance.

The polymer manhole in the median was 19.1’ deep, and cover over TRUSS PIPE at the deepest end of the casing was approximately 23 feet.
# Wastewater Solutions

Providing Water & Wastewater Solutions since 1963.

## Wastewater Solution Offering

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<thead>
<tr>
<th>Product Line</th>
<th>Application</th>
<th>Value</th>
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<tbody>
<tr>
<td><strong>Conveyance</strong></td>
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<tr>
<td>SDR 23.5</td>
<td>Drain fields (4”-6”) Laterals</td>
<td>• PVC pipe that provides optimum combination of strength, hydraulics, stiffness, joint integrity and economy</td>
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<tr>
<td>TRUSS PIPE®</td>
<td>Interceptors, Trunk Lines and Outfalls (8”-1.5”)</td>
<td></td>
</tr>
<tr>
<td>A-2000™</td>
<td>Interceptors, Trunk Lines and Outfalls (4”-36”)</td>
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<tr>
<td>A2™ Liner Pipe</td>
<td>Trenchless Slip Lining/Rehabilitation (12”-36”)</td>
<td>• Meets joint tightness test requirements of ASTM D 3212 • Tremendous cost savings over cured-in-place pipe</td>
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<tr>
<td>SPR™ PE</td>
<td>In Situ Rehabilitation (30” to 118”)</td>
<td>• Installation can occur while 25% of flow is present • Materials provide a Manning’s “n” value of 0.010 • Truly trenchless - requires only manhole access</td>
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<tr>
<td>DuroMaxx® Steel Reinforced Polyethylene (SRPE) Sanitary Pipe</td>
<td>Trunk Line, Outfalls or Rehabilitation (30”-120”)</td>
<td>• HDPE with fully-encapsulated 80 ksi steel-reinforced ribs and pressure rated polyethylene provides incredible strength and durability • Optional high performance reinforced welded coupler joints</td>
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<td><strong>Storage</strong></td>
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<tr>
<td>Tanks</td>
<td>Sanitary Sewer Overflow Combined Sewer Overflow Septic General Storage</td>
<td>• Permanent watertight storage • Up to 30 psi rating • Size range – up to 1,000,000+ gallons</td>
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<tr>
<td>Wastewater Components</td>
<td>Pump/Lift Station Vessels Sanitary Sewer Overflow Grit/Sludge Storage</td>
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<td><strong>Treatment Plant</strong></td>
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<td>DuroMaxx® SRPE for Municipal Wastewater</td>
<td>Odor control, Yard Piping, and Outfalls</td>
<td>• Corrosive resistant • Leak-free • Fabrication flexibility • Cost-effectiveness</td>
</tr>
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