2025 Spring Conference at Rocky Gap Resort
Flintstone, Maryland
Advancing Wastewater Infrastructure

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Solutions for Today’s Infrastructure

Trenchless Technology provides a peace of mind solution for working with underground infrastructure while protecting our environment

COMPANY HISTORY

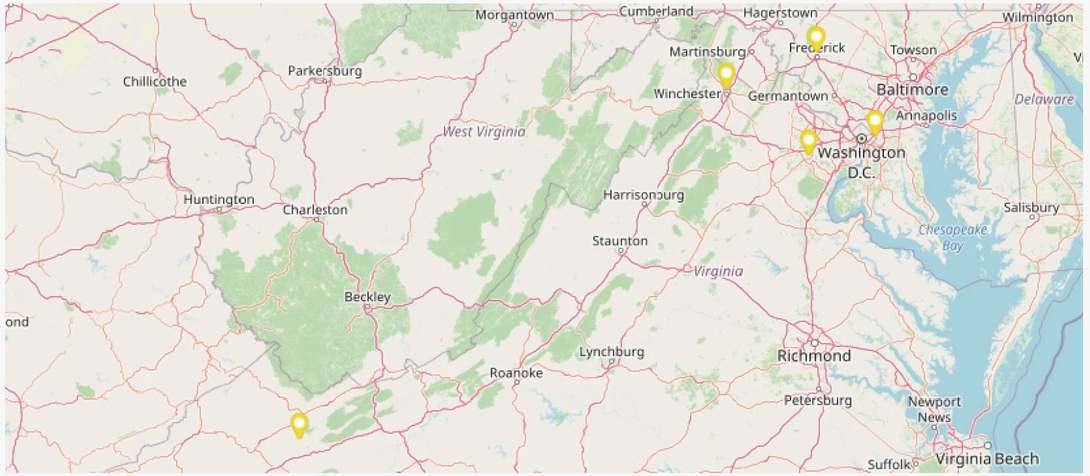
Pleasants is a prominent turn -key site development contractor in Maryland, with offices in Frederick, Montgomery, and Prince George's County. The company is entering its 60th year in business and is now in its fourth generation of family ownership.

Pleasants serves the greater Washington D.C. area, undertaking projects for general contractors, school systems, and local municipalities.

PRIMED TO SERVE OUR CLIENTS

700+EMPLOYEES

400+ PIECES OF EQUIPMENT



OUR TRENCHLESS SERVICES

Pleasants is committed to providing sustainable infrastructure solutions across our projects and services. Collaborating with consulting engineers specializing in wastewater to ensure we meet the highest industry standards and stay current with innovative technologies.

UV GRP CIPP

Polyurea Structure Coatings

CCTV Inspections

TYPES OF CIPP SYSTEMS

UV GRP uses a fiberglass liner that's cured with UV light. **Felt CIPP** is the traditional method, where a resin-soaked felt liner is cured with steam or hot water. Then there's **Fold-and-Form**, where a folded plastic liner is pushed into the pipe and expanded into place.

UV GRP CIPP

Source: Pleasants Construction

Felt CIPP

Source: Dust Filter Cloth

Fold-and-Form CIPP

Source: Mobile Dredging & Video Pipe

THE ADVANCEMENTS

UV curing and GRP have revolutionized the industry, enabling faster, more durable, and sustainable infrastructure rehabilitation.

The Benefits of UV GRP

UV GRP technology delivers rapid curing, superior durability, and minimal disruption.

Why Install UV-GRP Technology?

With faster installation, extended lifespan – UV GRP is a smart investment.

Environmental & Sustainable Benefits

UV-GRP reduces material waste, lowers carbon emissions and extends asset life. The eco-friendly choice for today's infrastructure.

Why Install UV-GRP?

UV-GRP offers custom-designed solutions for every project, delivering superior strength and exceptional resistance to corrosion for long-term performance.

Custom Design

UV-cured Glass Reinforced Plastic (UV-GRP) delivers high tensile and flexural strength. The customizable design ensures optimal fit and performance across various pipe profiles and defect conditions.

Superior Strength

UV-GRP liners deliver superior flexural modulus and flexural strength, resulting in long-term structural integrity.

Resistance to Corrosion

UV-GRP reduces material waste, lowers carbon emissions and extends asset life. The eco-friendly choice for today's infrastructure.

BENEFITS

Trenchless technology, such as cured-in-place pipes, offers a rapid and cost-effective solution for addressing failing and aging underground infrastructure

Cost Efficiency

1. Reduced need for excavation
2. Long lifespan and durability

Fast Installation Time

1. UV curing significantly increases cure time
2. Quick setup - minimal disruption

Reduced Environmental Impact

1. No onsite washout
2. Low carbon footprint

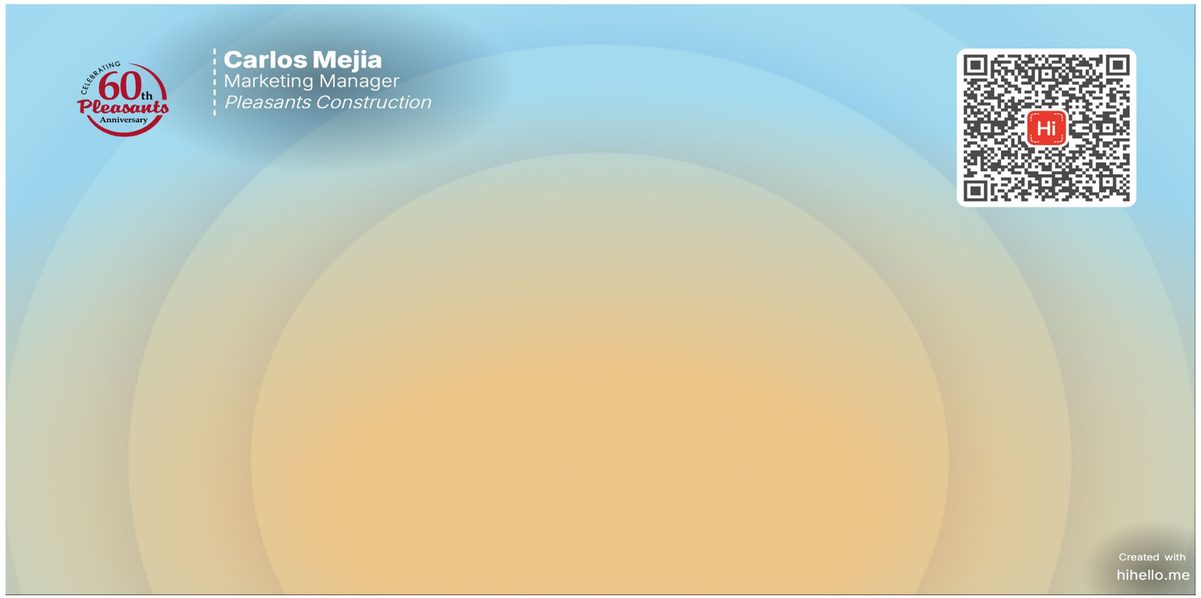
DATA POINTS

Comparison of UV-GRP, Felt CIPP (Steam/Water), and Fold-and-Form Systems

UV-GRP brings stronger performance, faster and more predictable installs, better chemical resistance, and a lighter environmental impact, making it a smart, forward-thinking choice for today's infrastructure challenges.

Attribute	UV-GRP	Felt CIPP (Steam/Water)	Fold-and-Form
Flexural Modulus	8,000–13,000 MPa → 1,160,300–1,885,500 PSI	1,200–3,000 MPa → 174,000–435,100 PSI	1,000–2,000 MPa → 145,000–290,000 PSI
Cure Method	UV light (controlled)	Steam/Water (field-dependent)	Thermoplastic deformation
Chemical Resistance	High (custom resin)	Moderate (polyester standard)	Moderate (PVC/PE standard)
Installation Speed	Fast, predictable	Variable, weather-sensitive	Moderate
Structural Capacity	Fully structural	Semi to fully structural	Semi-structural
Environmental Impact	Low emissions, minimal waste	High water/steam usage	Minimal emissions

QUESTIONS?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Anniversary
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