



Don't Replace it,
Rebuild it.

Project: Carbon Fiber Application Project

Year Completed: 2019



CTI specializes in applying effective reinforcement systems that help strengthen rather than replacing the structure itself. For this customer CTI applied a carbon fiber repair system (6 layers) and three coats of topcoat to protect the exterior of four buried oil/electrical pipes (5" and 10") from erosion.



Prior to any application, the work area is prepared to accommodate the installation of the Carbon Fiber Wrap System; which includes installing FR Sheathing for proper environmental protection around trench area.



The pipes were then prepared for wrapping activities through putty application, smooth transitions, surface cleanliness, and surface irregularities that were then checked and approved by one of our experienced NACE III inspectors.

RAVENA LOCATION

166 Coeymans Industrial Park Lane
Building C-6
Ravena, NY 12045

ROCHESTER LOCATION

1 S Clinton Ave Suite C200
Rochester, NY 14604

CONTACT US

PHONE: 518-458-7256



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After these steps, our 6 Layer Carbon Fiber Wrap System consisting of properly mixed components, properly saturated fabric, and applicators applying saturated product onto pipe under correct supervision and controlled environmental conditions.



After the Carbon Fiber Wrap System is applied the surface area is inspected for Voids, Air Pockets, Lifted Edges, or any other irregularities by NACE III inspectors. If any irregularities are found they are marked, removed, and repaired.



Finally, it's time to apply the three-coat system. Prior to coating application the surface is sanded and wiped clean of any contaminants. After coating is completed, all areas are inspected prior to final approval, cleanup and burying of the section.

CTI delivers a sustainable solution environmentally and structurally eliminating the need to work on these pipes for the lifetime of their service.

CTI is capable of performing a wide variety of work that includes large-scale industrial services, painting and coating, infrastructure repair, specialty construction, custom solutions, fabrication, and project management.

CTI has the knowledge and expertise to find solutions for a wide array of customer needs – Give us a call today!

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