



*Delivering innovative trenchless technology solutions
to rehabilitate the world's diverse infrastructure*

► CARBON FIBER REHABILITATION — 54" PCCP WATER MAIN

Project:

Carbon Fiber Rehabilitation of 54" Water Main

Location:

Miami, FL

Profile:

Lanzo Trenchless Technologies was awarded the contract to rehabilitate the water main piping in a dense, residential neighborhood in Miami, FL. Three 54" Pre-Stressed Concrete Cylindrical Pipes (PCCP) at various locations were involved. Two of the three were located 400 and 800 feet away from the nearest access manhole. The third location was located under a major roadway. All work had to be performed one pass at a time and inspected by the Miami Dade Water & Sewer Department prior to continuing with the process.



Carbon Fiber Rehabilitation

Lanzo Trenchless Technologies used a carbon fiber mesh and specialized application process where two different meshes were applied to the piping. The work was extensive and had to be conducted throughout the day and the evening hours. Lanzo was sensitive to the community needs and communicated regularly with community leaders throughout the process. There was not a single complaint during the water main repair. In addition, access to the highway was maintained and the impact to the traffic during the work process was minimal.