

Live slip lining non-circular fiberglass pipe rehabilitation is coming to Texas

The Central Wastewater Treatment Plant is the largest treatment plant for the Dallas Water Utilities. As part of a general inspection, two large non-circular interceptor lines were inspected in 2010. These lines were installed in 1950 with RCP, carry a combined flow ~130 MGD to the White Rock Pump Station where the sewage treatment begins. This inspection showed some deterioration and corrosion of the system and put it on the map as an area of concern for the utility. In 2018 JQ Infrastructure of Dallas TX was hired to do a full condition assessment and determine possible rehab or replacement options if needed.

Due to the critical nature of these lines and the current condition of the system, it was decided that the lines would need to be rehabilitated in the near future. This posed a particular challenge due to the large flow and limited access of the existing sewer. An ideal rehabilitation solution would need to provide a full structural solution, regain flow capacity, and provide a reliable long term life for the line. A live slip lining installation with non-circular fiberglass pipes, custom made specifically for this size and shape was chosen as the solution for this particular interceptor. Non-Circular pipes manufactured by Hobas Pipe USA in Houston TX will provide the first American-made non-circular fiberglass pipes in the state of Texas.