

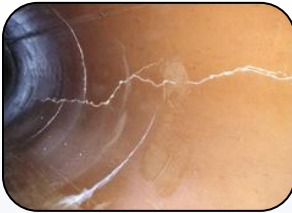
Project Brief

## WSSC

### Pipe Strengthening & Joint Repair



Maryland  
2008



The Washington Suburban Sanitary Commission (WSSC) , since mid-2007, has utilized Tyfo® Fibrwrap® composites for the repair of more than 20 sections of Pre-stressed Concrete Cylinder Pipe (PCCP), all found to be deficient through electromagnetic and visual inspections. WSSC is executing a multi-year inspection program of all their PCCP lines in an effort to rehabilitate those sections that have become structurally deficient due to the premature failure of pre-stressing wires and cracking due to corrosion.

Pipelines fully structurally repaired to-date include diameters of 96-inch, 72-inch, 66-inch and 48-inch. Internal pressures have ranged from 75 psi to 200 psi, while depths of bury have ranged from 5-ft. to 12-ft. In the summer of 2008, the municipality also repaired more than 300 deficient PCCP joints utilizing FibrJoint®.

The key reasons Tyfo® Fibrwrap® is utilized by WSSC include the time efficiency in which projects are completed, competitive costs, and the non-traditional trenchless method by which the repairs are conducted, eliminating the need for any trenching and re-digging of existing pipelines.

#### **Fyfe Co. LLC**

8380 Miralani Drive, Suite A, San Diego, CA 92126

Tel: 858.642.0694 Fax: 858.444.2982 Email: info@fyfeco.com [www.fyfeco.com](http://www.fyfeco.com)