

## French 12” ‘T’ Repair



Problem was internal corrosion extending the full length of the underside of the ‘T’ piece. The pressure was 4 Bar Max and the position of the ‘T’ was such that the line was in continuous service. Each Snap Wrap layer was cut individually to fit around the collar and cover as much of the underside of the pipe as possible. Metalplastic was used instead of the MA441 filler material in the event of a possible breakthrough in the future – this would then act as an effective leak repair should that occur.



Once cured, the retaining bands were removed and fibre-glass tape and resin was applied to encapsulate the entire section. The result being a reinforced ‘complex’ section that will continue to operate even after breakthrough from the inside.

Although an expensive repair compared to Snap Wrap by itself, this alternative was far more beneficial to the end user and proves that complex joints (that were often ignored) can now be considered repairable.

The repair is still considered temporary as it will eventually fail once the pipe deteriorates from the inside to a certain level. However, as the corrosion was measured at depths of no more than 60% and the pipeline was over 30 years old the repair will certainly outlast the remaining expected lifetime.