Crossing the Neuse

Goldsboro Water Reclamation Facility

William T. Sabata, PE
ES&GS Services, PLLC
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The Objective

North End of Arrington Road Bridge

South End of Arrington Road Bridge

Water Reclamation Facility
The Mission

- Dig ditch into Neuse River bed
- Place a 42-inch Diameter Cast Iron Sewer Pipe across the Neuse River
- Place pipe into ditch in river bed
- Pressure Test the Pipe
- Place large thrust blocks at the North End and the South End of the Crossing Site
- Leave South End pipe sealed until upgrades at WRF are complete
The Pipe
USIFLEX Pipe

Each joint of USIFLEX Boltless Flexible Joint Pipe provides variable deflection up to 15° and the joint may be deflected to this position without harm to the pipe or joint components. A 12° installation limitation is recommended to provide additional deflection capability to accommodate earth settlement or movement. Care should be taken, however, to ensure that no joint is ever forced beyond the 15° maximum design deflection.

Variable Deflection up to 15 degrees
A 12 degree limitation is recommended
Site Preparation
Site Preparation
The Opposite Bank
River Trench
Prepare to Launch
Launch
It Floats
Any Questions?