

Pipe Fabrication

The new watermain, which ranges from 750mm to 900mm in diameter, is being fabricated using a Spiral Weld process from high-strength hot rolled steel.



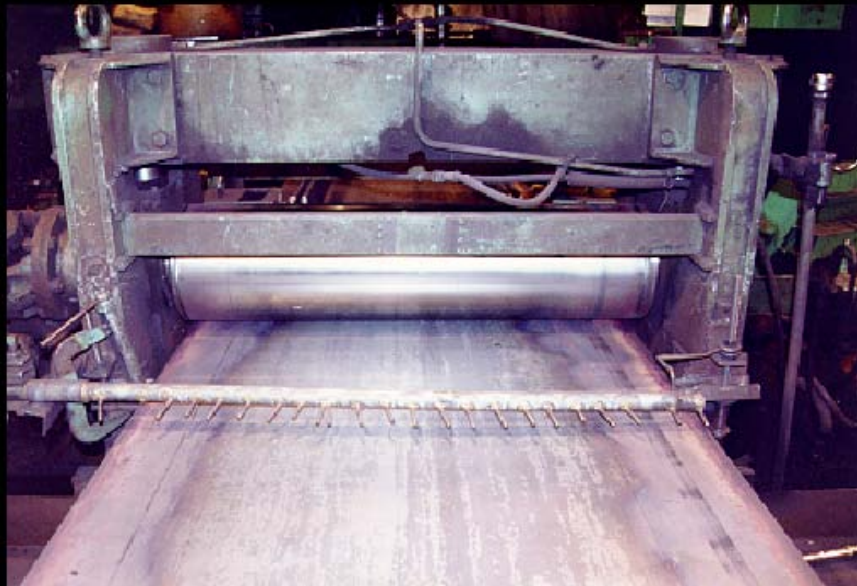
The pipe is made from a single piece of steel with a continuous weld.



Each pipe starts off as sheets of coiled steel.



The pipe is formed using the Blohm and Voss *Forming Section* which uses three roller beams in a pyramid configuration to form the pipe. A *calibrating head* maintains a constant inside diameter as the pipe is welded.



After sections of the pipe are connected with a *splice weld*, the pipe is flattened with a mechanical roller.



Each piece of pipe is pressure tested using a *Hydrotester* which is then permanently recorded.



Pipes are also inspected for leaks.

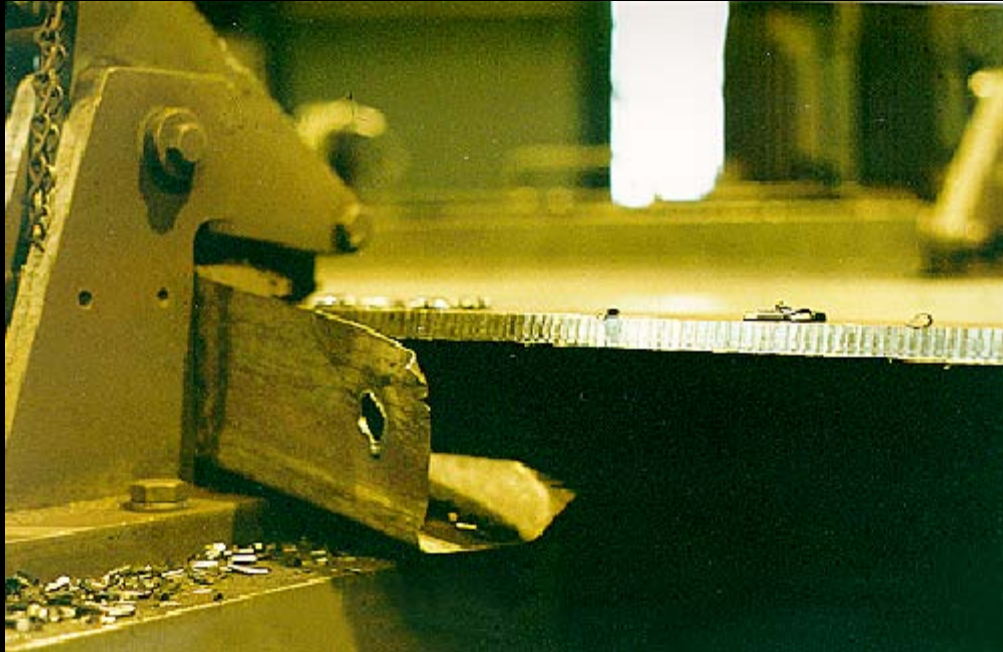


The finished pipe is cut to the specified length at the *Cutoff* using a natural gas torch attached to a moving carriage.



The rough edges of the metal are removed to create a *bevelled* edge. The resulting edge is straight, free of impurities and configured for welding.

Before



After

