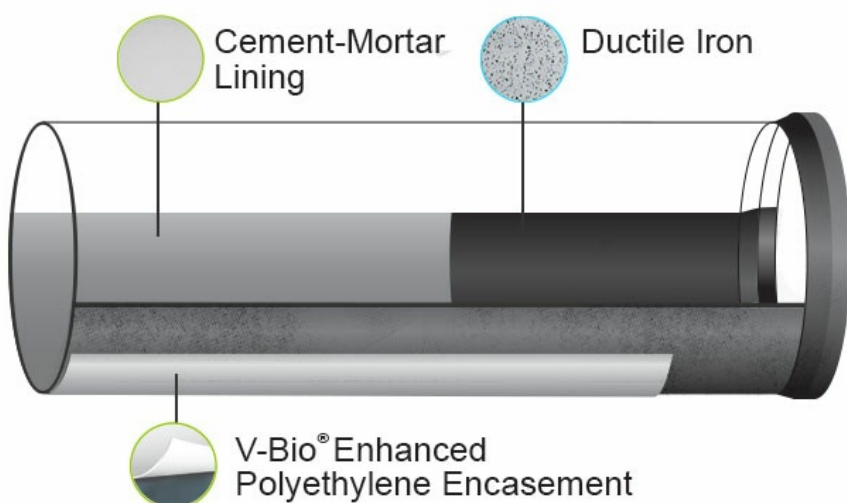


October 23, 2018

## Ductile Iron—Proven Innovation for the Best Value Pipe for Life

America's iron pipe industry continues to innovate, advancing technology to help ensure the users of Ductile iron pipe will realize the long service lives and long-term economic advantages they have come to expect from strong, resilient Ductile iron pipe. The tremendous strength of Ductile iron translates into energy savings in pumping, and the advent of V-Bio® enhanced polyethylene brings active components to our already effective corrosion control encasement method. Ductile iron pipe is the choice for utilities and communities today who seek solutions for both best performance and value in water distribution infrastructure.

Below is a quick look at modern Ductile iron pipe, **from the inside out**.



## PROVEN INNOVATIONS



### Cement-Mortar Lining

Clean, smooth cement-mortar lining aids in greater water flow efficiency while effectively controlling internal corrosion. When added to the larger inside diameters found in Ductile iron pipe, utilities can save up to 38% in their pumping costs over alternate pipe materials. This directly affects pipe affordability—year in and year out for a century to come.

**CEMENT-MORTAR  
LINING FACT SHEET**



### Ductile Iron

Ductile iron pipe results from changing the graphite content of the iron from flakes to nodules during the manufacturing process. The resulting nodules make the pipe stronger and more resilient than cast iron pipe, which itself has lasted through 100 years plus of continuous service. [\(Click here for our Century Club.\)](#) The strength of Ductile iron also results in a larger than nominal inside diameter, reducing headloss, which results in energy savings.



### V-Bio® Enhanced Polyethylene Encasement

An additional measure to achieve pipe longevity in aggressive soils, is to provide V-Bio® enhanced polyethylene encasement, an effective, economical sheath that actively inhibits the formation of corrosion cells and mitigates microbiologically influenced corrosion.

**ADVANTAGES OF  
V-BIO®**



Visit [DIPRA.org](http://DIPRA.org) to find out more about why Ductile iron pipe is the natural choice for our water delivery systems.

Patrick Hogan  
President, DIPRA