Suggested Sample Specification
For Ductile Iron Pipe & Fittings

Ductile iron pipe shall be designed in accordance with the latest revision of ANSI/AWWA C150/A21.50 for a minimum 150 psi rated working pressure plus a 100-psi surge allowance. If anticipated project requirements include greater working or surge pressures, the actual anticipated total pressure should be used. This design standard incorporates a 2 to 1 factor of safety on the sum of working pressure plus surge pressure. The laying condition shall be Type ____ and a depth of cover of ___ feet shall be used.

Ductile iron pipe shall be manufactured in accordance with the latest revision of ANSI/AWWA C151/A21.51. The raw material for ductile iron shall have an average minimum recycled content consisting of 90% scrap iron and steel. Each pipe shall be subjected to a hydrostatic pressure test of at least 500 psi at the point of manufacture.

Pipe shall have the standard coating on the exterior and shall also have a cement-mortar lining on the interior in accordance with ANSI/AWWA C104/A21.4, of latest revision.

All pipe shall be furnished with push-on type joints, either Tyton® or Fastite®. Joints shall be in accordance with ANSI/AWWA C111/A21.11, of latest revision, and be furnished complete with all necessary accessories.

Fittings shall be ductile iron. Fittings shall conform to the latest revision of either ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53. Fittings and accessories shall be furnished with either push-on or mechanical type joints in accordance with ANSI/AWWA C111/A21.11, of latest revision.

All pipe, fittings and accessories shall be installed and tested in accordance with the latest revision of ANSI/AWWA C600. Newly installed ductile iron water mains shall be disinfected in accordance with the latest revision of ANSI/AWWA C651 prior to placing in service.
For more information contact DIPRA or any of its member companies.

**Ductile Iron Pipe Research Association**

An association of quality producers dedicated to the highest pipe standards through a program of continuing research and service to water and wastewater professionals.

P.O. Box 190306
Birmingham, AL 35219
205.402.8700 Tel
[www.dipra.org](http://www.dipra.org)

**Social Media**

Get in the flow with Ductile iron pipe by connecting with us on [Facebook](http://facebook.com), [Twitter](http://twitter.com), and [LinkedIn](http://linkedin.com).

Visit our website, [www.dipra.org](http://www.dipra.org) and click on the YouTube icon for informational videos on Ductile iron pipe’s ease of use, economic benefits, strength and durability, advantages over PVC, and more.

**Member Companies**

AMERICAN Ductile Iron Pipe
P.O. Box 2727
Birmingham, Alabama 35202-2727
[www.american-usa.com](http://www.american-usa.com)

Canada Pipe Company, Ltd.
55 Frid St. Unit #1
Hamilton, Ontario L8P 4M3 Canada
[www.canadapipe.com](http://www.canadapipe.com)

McWane Ductile
P.O. Box 6001
Coshocton, Ohio 43812-6001
[www.mcwaneductile.com](http://www.mcwaneductile.com)

U.S. Pipe
Two Chase Corporate Drive
Suite 200
Birmingham, Alabama 35244
[www.uspipe.com](http://www.uspipe.com)

---

Copyright © 2017 by Ductile Iron Pipe Research Association