



# Southeast Morris County Municipal Utilities Authority

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## DUCTILE IRON PIPE

### GENERAL

The Southeast Morris County Municipal Utilities Authority (referred to herein as the "Authority") is subject to the standard terms and conditions set forth by the Authority's Rules and Regulations, pursuant to N.J.S.A. 40:14B.

As a public water supply, the Authority is required to protect and provide safe drinking water to consumers in accordance with the N.J.A.C. 7:10 Safe Drinking Water Act Rules.

The Authority is committed to providing an efficient process for developers to achieve their project goals in accordance with the Authority's Rules and Regulations.

Developers interested in conducting business with the Authority shall comply with the standard terms and conditions mandated by the Authority's Rules and Regulations.

Developer shall mean applicant responsible for application, fees and contract agreement with the Authority.

### REFERENCE

ANSI/AWWA	American National Standards Institute/American Water Works Standards
C104/A21.4-13	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings
C110/A21.10-12	Ductile-Iron and Gray-Iron Fittings
C111/A21.11-12	Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings
C151/A21.51-09	Ductile-Iron Pipe, Centrifugally Cast
C502-05	Dry-Barrel Fire Hydrants
C509-09	Resilient-Seated Gate Valves for Water Supply Service
C511-07	Reduced-Pressure Principle Backflow Prevention Assembly
C651-05	Disinfecting Water Mains
C700-09	Cold-Water Meters -- Displacement Type, Bronze Main Case
C702-10	Cold-Water Meters -- Compound Type
C703-11	Cold-Water Meters -- Fire-Service Type
ASTM	American Society for Testing and Materials
ASTM B88	Standard Specification for Seamless Copper Water Tube
N.J.S.A. 40:14B	New Jersey Statutes -- Title 40 Municipal and County Utilities Authorities Law
N.J.A.C. 7:10	New Jersey Administrative Code -- Title 7 Safe Drinking Water Act Rules
NSF	National Sanitation Foundation International Standard
NSF/ANSI 61	Drinking Water System Components -- Health Effects
Rules and Regulations	The Southeast Morris County Municipal Utilities Authority's Rules and Regulations

## REQUIREMENTS

1. Developers shall verify that all submittals conform to local, county and state ordinances.
2. Road opening permits on local and county roads shall be obtained by the developer. State road opening permits shall be obtained by the Authority at the developer's expense.
3. All excavation and backfill shall be the responsibility of the developer.
4. Only authorized personnel of the Authority will be permitted to make connections to the water mains of the Authority, access and operate curb stops, hydrants and valves as mandated by the Rules and Regulations.
5. All proposed materials shall be submitted for approval. Failure to submit information shall cause the Authority to reject work and deny water service.
6. All materials submitted for approval shall be of first-class high-grade quality, clean and sound and conform to the latest revisions of ANSI/AWWA Standards. No inferior or low-grade materials will be approved or accepted.
7. All materials shall be approved for NSF/ANSI 61 for potable drinking water.
8. All materials shall be manufactured in the United States of America.
9. As-built drawings shall be prepared and submitted to the Authority on a CD in PDF and CAD format, indicating the location of all facilities installed before water is turned on.

## SPECIFICATIONS FOR DUCTILE IRON PIPE (see Section 7 of the Rules and Regulations):

1. The owner shall furnish, install and maintain service pipes greater than 2" and appurtenances.
2. All service pipes greater than 2" shall be ductile iron pipe as manufactured by U.S. Pipe and Foundry or approved equal, and conform to ANSI/AWWA C151/A21.51-09.
3. The materials, information, specifications, verification and testing for service pipes shall conform to ANSI/AWWA C151/A21.51-09.
4. The interior of ductile iron pipe shall be **Class 52**, cement mortar lined and seal coated in compliance with ANSI/AWWA C104/A21.4-13.
5. All ductile iron pipe joints shall be push-on and mechanical joint type as manufactured by U.S. Pipe and Foundry or approved equal, and shall conform to ANSI/AWWA C111/A21.11-12.
6. All mechanical joint fittings shall be provided with ductile iron retainer glands. Retainer glands shall be Megalug Series as manufactured by EBAA Iron, Inc., or approved equal.
7. All ductile iron fittings shall be manufactured by U.S. Pipe and Foundry or approved equal, and shall conform to ANSI/AWWA C110/A21.10-12.
8. All compact fittings must comply with ANSI/AWWA C153/A21.53-06, complete with standard accessories which include glands, rubber gaskets and the appropriate number of bolts.

9. Fire line service and domestic service shall be independent lines and in no way shall be interconnected.