

PLASTIC PIPE EXCLUSION BY REGULATION OF North Carolina MUNICIPALITIES:

GREENSBORO:

- [Standards for Water, Sewer, and Sewage Lift Station Design \(June 2014 Edition\)](#):
 - o Section 7: Materials:
 - c. All pipe installed in the street right-of-way or water line easement shall be ductile iron per the City of Greensboro Standard Specifications for Water and Sewer Utility Construction.
 - d. All un-metered waterlines 4 inches and larger shall be ductile iron pipe. All un-metered service laterals 2 inches and 3 inches in size can be either Type K copper pipe or ductile iron pipe.
 - e. Materials used from the meter to a point a minimum of 2 feet past the backflow device shall be Type K copper for lines up to 3 inches and ductile iron for lines 3 inches and larger.
 - f. If a water main on private property is master metered, Polyvinyl Chloride (PVC) may be substituted for ductile iron on the portion past the meter.
- [Standards Specifications for Water and Sewer Utility Construction \(June 2014 Edition\)](#):
 - o Section 2: Materials:
 - 2.02 WATER PIPE [NO MENTION OF PVC PIPE ALLOWED FOR WATER PIPE]
 - A. Ductile Iron Pipe 3-inch thru 12-inch
 - B. Ductile Iron Pipe 16-inch and Larger

RALEIGH:

- Public Utilities Handbook (2014 Edition):
 - o WATER MATERIAL STANDARDS
 - o MATERIALS – WATER MAINS AND FITTING; Water Mains
 - a. All water mains shall be pressure class or thickness class ductile iron pipe designed in accordance with AWWA Standard C-150...

DURHAM:

- [City of Durham, North Carolina Water and Sewer Construction Specifications](#) [September, 1994]
 - o Water Mains: Only lists ductile iron as a material.

WINSTON-SALEM:

- [City of Winston-Salem, North Carolina Department of Public Works Engineering Division; Technical Specifications and Detail Drawings Water Line and Sanitary Sewer Line Construction](#) [January 2014]
 - o According to my reading it only allows for PVC to be used up 4" in size for sewer piping and up to 2" in size for pressurized piping.

HIGH POINT:

- [Standard Specifications for Water & Sewer Line Construction](#) [August 2009]
 - o Division 2: Construction of Water Lines:
 - 202 MATERIALS; Ductile Iron Pipe and copper pipe provided. No listing of requirements for plastic piping under this section.
 - o Division 3: Construction of Sanitary Sewer Lines:
 - 302 MATERIALS; This section allows for PVC to be used between sizes 4" – 16" for force main sewers, with ductile iron required above 16". PVC is also allowed for gravity sewers between the sizes of 8" and 27"

ONSLOW:

- [Manual of Standards, Specifications and Details](#) [August 2008]
 - o 2.1 WATER PIPING; A. Ductile Iron Pipe (DIP): AWWA C151. Bituminous outside coating: AWWA C151. Cement. Mortar Lining: AWWA C104. All water mains 18-inches in diameter and greater shall be ductile iron.