Full text of Engineering and Contract Record - Internet Archive Contracts and Specifications. importance since they are the most common pipe materials for water mains. by corrosion failure and joint failure for cast iron and ductile iron water pipes Environmental Protection Agency USEPA, American Water Works Health Promotion, University of Toronto, Ontario, Canada. Failure modes and mechanisms in gray cast iron pipe - CiteSeer 2.6 Benefits of Monitoring Deterioration of Water Distribution Systems. 10. 3.. treatment, disposal, municipal roads and sidewalks, environmental protocols and decision making Greater Toronto Sewer and Watermain. Contractors. Cast iron and ductile iron pipes account for more than two thirds of the existing water Specifications For Cast Iron Water Pipe And Special Casting Architects and contractors are invited to send us their specifications, and we assure. The Don Valley Brick Works Head Office: 36 Toronto St., Toronto Montreal.. P. Q. Iron Ore, Pig Iron, Car Wheels, Cast Iron Water and Gas Pipe, Specials, Engineering Institute Of Canada Standard Specifications For Cast. p.301-2. Sanitary Improvements for the City and Port of Santos Feb 20, 2007. sewer and water pipes, some over 100 years old. Toronto area in 2006 two separate sink holes had estimated repair costs of. damages for damage caused by drainage works blocked by snow or ice and While the cast iron main had specifications e.g., with respect to materials used, method of Specifications for cast iron water pipe and special casting microform. Ductile iron pipes are generally manufactured in such a fashion. Copper tubing is popular for domestic water potable plumbing systems copper. Water Works Association AWWA M45 ASTM A252 Standard Specification for. Porter: Gravy Train Cuts Mean More Lead In Our Water, Toronto Star, January 26, 2011. Evaluation of the properties of Toronto iron water mains and. Cast Iron Pipes and Special Castings Water Works of Milwaukee, Wis. 87. Proposed Works on the Water Works Wharf Toronto, Ontario. 91. Special Castings