

The City of Woonsocket's existing separated sanitary sewerage system conveying flow from the City of Woonsocket and four adjacent communities Bellingham, Blackstone, North Smithfield to a regional wastewater treatment plant (WWTP) located along the Blackstone River. The first City's sewer system was constructed primarily in1897 consisting primarily of vitrified clay (VC) pipe with 2 to 3 foot joint spacing.



Service area is shaded

The first upgrade took place in 1932 followed by another upgrade in 1962. The plant was upgraded from primary treatment to secondary treatment in 1977 and again in year 2000.



THE CITY SEWER SYSTEM:

The sewer system consists of approximately 111 miles or over 600,120 feet of gravity sewers. The sewer pipes range in size from 6 inch diameter collector pipes to 60 inch diameter interceptor pipe.

The City's Sewer System area contains 18 pumping stations and 13 inverted siphons. Seven of these stations are owned by the City; with one being owned by the Town of Bellingham and 11 stations/grinder pumps are privately owned.



The City's Sewer System also has over 3,400 manholes

The Town of Bellingham has a pump station and force main that feeds the Bellingham Interceptor conveying flow to the City's WWTP.

The Town of Blackstone has two connection locations, one on Rathbun Street and one on Canal Street.

The Town of North Smithfield also has two connections to the Woonsocket sewer system; one on Elizabeth Avenue and the other on Alice Avenue. The total length of sewer laterals and number of connections within North Smithfield, Cumberland, Bellingham and Blackstone has not been

determined.

In 1988 the City of Woonsocket entered into an agreement with Synagro to operate and maintain solids handling and the incineration part of the facility. The agreement with Synagro saves the City over 2 million dollars annually

In year 1999 the City of Woonsocket entered into an agreement with Veolia Water NA to operate and maintain the Wastewater plant.

This year the City entered into an agreement with CH2M Hill to Design, Built and Operate the new upgrade to meet permit limitation for total nitrogen and total phosphorous by 2017