

HYDRAULIC MODEL

Owner: Seekonk Water District
Seekonk, MA

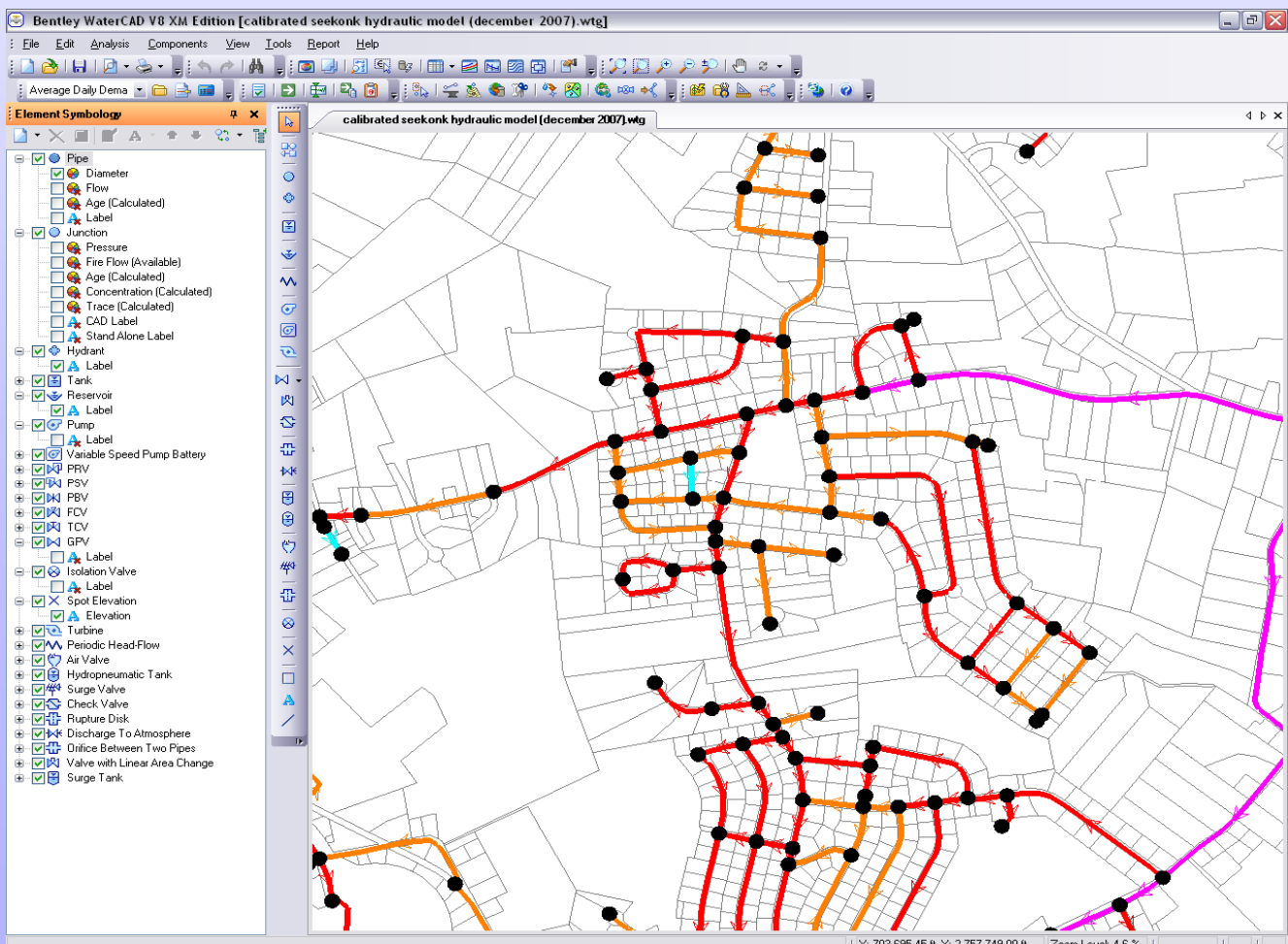
Contact: Robert Bernado, Superintendent
Water Lane, Box 97
Seekonk, MA 02771

Telephone: 508-761-8170

Key Personnel: David A. Jacobsen, P.E.
Ryan J. Trahan, P.E.

PROJECT DESCRIPTION

The hydraulic model for the Seekonk water system consists of approximately 110 miles of watermains, a water treatment plant with four high lift pumps and three storage tanks. We used Bentley WaterCAD Version 8 software integrated with AutoCAD, which combines hydraulic and GIS capabilities of WaterCAD and the familiar interface with AutoCAD. GIS data was combined with MassGIS color orthophotos as a background. The model allows the Town to add attributes in the future, as desired, to those initially assigned.



HYDRAULIC MODEL

Owner: Mohegan Tribal Authority
Montville, CT

Contact: Chris C. Clark, P.L.S.
Operations Manager
Mohegan Tribal Utility Authority
860-862-6280

Telephone:

Key Personnel: Richard S. Johnson, P.E.
Brian Giovanoni

PROJECT DESCRIPTION

The hydraulic model of the Thames River Basin Regional Water Interconnection Project involved six communities and one Tribal Nation and included a comprehensive model of over 240 miles of watermains 4- to 36-inches with ten pressure zones.

The model was used to determine critical infrastructure in the system requiring improvement, redundancy and ability to meet future demands. The model uses WaterCAD 6.5 with AutoCAD Integration.

Included with this project was the design of over 9,000 l.f. of water main, a 1,350 l.f. river crossing (by directional drilling), a 1.25 mil. gal pre-stressed concrete water storage tank, a booster pumping station and three metering stations.

