DUFRESNE GROUP
CONSULTING ENGINEERS

WATER SYSTEM MODELING AND EVALUATION

WOODSVILLE, NH

Precast-Prestressed Tank Prepared for Wire Winding During Winter Conditions

Dufresne Group has worked for the Water and Light Department for decades. Staff from Dufresne Group developed the water system computer simulation and periodically update the model .

Using the computer model, Dufresne Group assisted Woodsville in analysis of water system improvements constructed and paid for by a new Wal-Mart in 2007. Dufresne Group used the water system model in review of a water storage tank constructed by the Grafton County Complex.

Dufresne Group provided preliminary water main size analysis using the water system model and also provided final design services for the Pine Street Water Main Replacement Project. The model has also been utilized to evaluation potential interconnections with adjacent public water systems.

KEY FEATURES

- KYPIPE DOS based model updated to WaterGEMS, provided a major improvement with graphic interface abilities and mapping.
- Modeling project funded in part by NH Grant monies.
- Ongoing model maintenance allows Woodsville to evaluate the effect of proposed developments and system improvements.

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