



## Lift Station No. 3 Modifications

*Chanhassen, MN*

Lift Station No. 3 for the City of Chanhassen serves the entire area around the west side of Lake Minnewashta. It is a submersible type lift station that had pumps and control panel that were installed in the 1970's. The lift station wet well also had insufficient capacity resulting in frequent pump starts as well as lack of reserve capacity for City staff to react during a power outage, before a sewer backup occurrence. Modifications to the lift station were designed and constructed to update the pumps and control panel as well as increase the pumping capacity and wet well storage volume. The improvements included construction of a deeper and larger wet well, a below grade valve vault, new submersible pumps, control panel and standby generator. The new submersible pumps were designed and specified to be easily upgraded in pumping capacity to accommodate potential future development within the lift station service area and potential service to a portion of the neighboring community of Victoria. The new lift station pumps have capacity of 750 gpm, with the capability of being upgraded to 900 gpm by the replacement of the impellers. Construction of the lift station improvements was completed in August 2008.

*Client:* City of Chanhassen

*Total project cost:* \$220,000

*Completion:* August 2008

