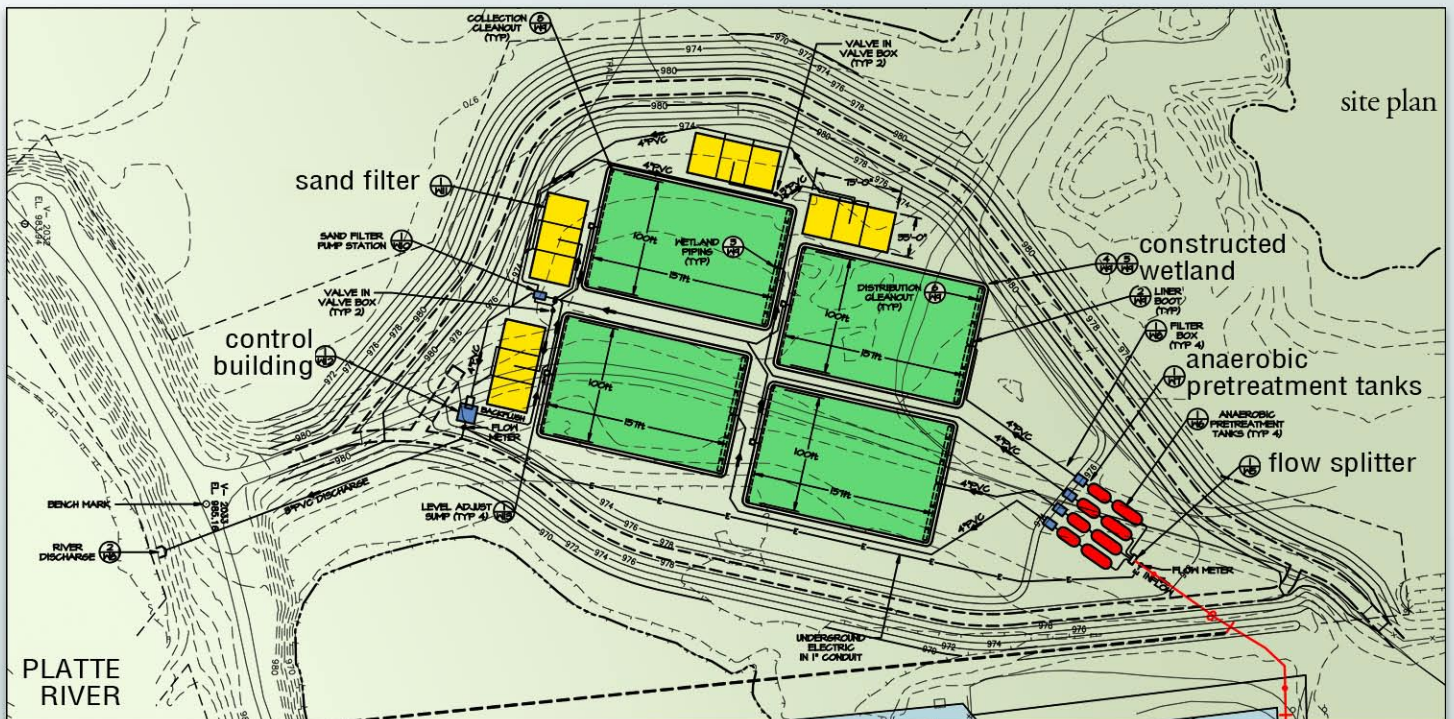


Hanson's, Chris, & Betty Lakes, Bellevue, NE



Hanson, Chris, and Betty Lakes is a small community of approximately 350 homes built around a series of small lakes near the Platte River, south of Bellevue, NE. Over the years the homes changed from summer residences to year round residences. Existing water infrastructure was not designed for year round use. Pollution from existing leach fields began to infiltrate into the water table. As water quality in the lakes deteriorated and well water began to show signs of pollution, the Health Department encouraged the community to sewer each the lots.

Both continuing growth and failing infrastructure put pressure on the community to get organized. Initial investigation proved that the option of transferring waste to the City of Bellevue was expensive and was without a long term guarantee of service. The community voted to create a Sewer Improvement District and invest in the necessary infrastructure.

NSI partnered with Omaha-based engineers, Olmsted and Perry Consulting Engineers, Inc. Olmstead and Perry designed a small diameter collection system; NSI designed a wastewater treatment system to complement the small diameter sewer system. Judds Brothers Construction built the system which consisted of flow splitters, pretreatment tanks, filter tanks, subsurface constructed wetlands, dosing tank, pumps, piping, flow meters, UV disinfection system, control building, and related appurtenances.