

## **Nordic Village – Liberty Properties**

### **Rapid Infiltration Basin Conditional Use Permit Application**

#### **Project Narrative**

The project proposes to construct infiltration basins for treated wastewater. Ogden Valley is within a Category 1 discharge area where surface water discharge is not allowed. The water will be treated to meet a ground water discharge permit which requires water quality better than drinking water requirements. The treatment plant will be located on the Nordic Village property where it will be treated before it is sent to these infiltration basins. Here, it will infiltrate into the ground, replacing the groundwater that was pumped into the Nordic water system.

The treated wastewater is transmitted from the treatment plant at the Nordic Village site in a pipe that has already been installed in 3500 E.

Based on the infiltration rate measured for the soil at this site for the infiltration basins, each single basin is sized to take 10x the maximum flow that will come from the treatment plant at full buildout, and three basins are being constructed for additional redundancy as required by Utah Water Quality.