

## Water Tank Level Control



### **12 Flags - Highway Service Center install SLT32's for Pump Control and Level Alarms**

Two SLT32's are installed at this new highway Service Center which includes a 50-bed hotel, gas station and restaurant. It is located on Hwy 401 at Cornwall, Ontario (and not far from Greyline's Canadian office).

The center did not have access to municipal water so they drilled wells and installed a water treatment system. The PZ32T ultrasonic sensors were mounted underground in concrete water tanks. The tanks are 9 ft / 3 m deep. The SLT32 electronics were mounted in nearby buildings.

The SLT32 handles pump control and level alarms. The feedwater pump is turned ON when tank level is low, and OFF when the tank is full. Three more SLT32 relays are used for Lo alarm, Hi alarm, and HiHi alarm.

The underground water tanks also serve as chlorine contact chambers so the non-contacting SLT32 was ideal.

SLT32 installation was done by electrical contractors. One ultrasonic sensor was damaged and had to be replaced at start-up (the SLT32 reported SENSOR SHORT to help identify the problem).

Project engineering was by Thompson Rosemount of Cornwall, Ontario.

