



Rayleigh Slo-Pitch Park

Slo-Pitch Park is a 20-hectare master-planned sports, equestrian and day-use park located adjacent to the North Thompson River. An abandoned well was resurrected and a water treatment centre was added to better serve the North Kamloops area. Ion modeled the irrigation requirements in combination with Urban Systems who engineered the domestic water distribution network. Furthermore, the irrigation trunk mainline serves double-duty as the site's fire protection system. The irrigation design flow of 915USgpm required a VFD pump package totaling 75hp and a 200mm automatic filter to handle the frequently turbid quality of the river water.

The irrigation system statistics include:

- Seasonal irrigation water requirements:
152,000m³ (40,000,000 USgallons)
- Irrigation Design Flow: 915USgpm
- Two 200mm master valves plus one 50mm syringe bypass master valve
- 4,100m length of 50-200mm diameter HDPE mainline
- 189 electric control valves
- 1,080 pop-up sprinklers
- Pre-construction irrigation cost estimate:
\$1,460,000
- Cost savings from Ion recommendation to install decoder control: \$100,000

