

Centre In The Park

Strathcona County, Alberta

With a population exceeding 60,000, Sherwood Park is the power centre of Strathcona County. However, the community has not had a distinguishable downtown until the conceptualization of [Centre in the Park](#). The award winning Strathcona County Administration Building, designed by Arthur Erickson, and the Festival Place Arts Centre bookend the high-density, mixed-use CITP project. The CITP precinct also has located around its periphery the Fire Station #1, Aquatic Centre, Recreation Centre-Arena, 2 high schools, a regional shopping centre and the municipal Broadmoor Golf Club. The CITP project was partly funded by the *Infrastructure Canada Alberta Program (ICAP)* and incorporated the County's low-impact development initiatives such as district energy and irrigation supplied from stormwater.

Ion prepared the CITP Irrigation Master Plan to incorporate high-efficiency irrigation using stormwater from nearby Broadmoor Lake for several phases of development: street trees and flower baskets,

promenades, Festival Place Park, Salisbury High School sports fields, and the Administration- Central Library landscaping.

Ion planned the mainlines and central control schematic layouts; phased the required work; provided construction cost estimates by phase and presented life-cycle cost savings comparing non-potable irrigation infrastructure capital cost premiums versus the opportunity costs of potable water. The simple payback is approximately 5 years after which Strathcona County will benefit by \$120,000 (2010 rates) annually.

An existing pumphouse located on Broadmoor Lake that was abandoned in 2004 when the golf club renovated was retrofitted with new secondary electrical, a 7.5hp VFD irrigation pump, a sand media filter, Rain Bird CCU and a tipping rain counter. Upon completion, the CITP irrigation central control network will manage the Prairie Walk water feature, 3 pumps, 5 ESP-SAT controllers, 5 master valves and 5 flow sensors.

