

# THE RANCHE

## AT HERITAGE POINTE

Ion Irrigation Management is pleased to be the irrigation design-management firm employing low impact development and landscape conservation principles for *The Ranche at Heritage Pointe*.



Ion collaborated with the project engineering consultants to integrate the irrigation system with the stormwater management pond to create an irrigation utility that will sustain parks and residential landscapes with non-potable water. Ion will monitor and manage the advanced irrigation network including each residence and the common park spaces within the development.

*The Ranche at Heritage Pointe* irrigation system and monitoring program includes:

- An onsite weather station providing automatic rain shut-downs and runtime adjustments based on real-time climate
- 24/7 monitoring of irrigation infrastructure diagnosing alarms and coordinating repairs before the homeowner knows there is a problem
- Remote monitoring with only periodic walk-throughs maintaining homeowner privacy
- Call Centre responding to special requests by homeowners for shutdowns or adjustments
- Spring startups and fall blowouts
- Ensuring conformance to the water allocation for each residence and overall site water balance
- Reporting of irrigation water usage on each residence

	Annual Water Savings <sup>1</sup> (m <sup>3</sup> /gallons)	Annual \$ Savings vs. CORIX (\$1.62/m <sup>3</sup> )	Annual \$ Savings vs. City of Calgary Water (\$2.10/m <sup>3</sup> ) <sup>2</sup>
Typical Ranche Residence	340m <sup>3</sup> (90,000 gall)	\$557 / residence <sup>3</sup>	\$785 / residence <sup>3</sup>
Parks & Open Spaces	4,600m <sup>3</sup> (1.22M gall)		

<sup>1</sup> Replacing treated water with reused stormwater (based on 30-year Climate Normals)

<sup>2</sup> Includes sanitary surcharges (applicable only to City of Calgary water rates)

<sup>3</sup> Net savings after factoring in irrigation monitoring fees



CrossIron Mills Shopping Centre



Reader's Rock Garden



South Health Campus

Ion Irrigation Management, established in 2001, is the leader in the Irrigation Management industry promoting water conservation through innovative, efficient and cost-effective irrigation solutions. Ion is Canada's only full-service irrigation consulting practice offering Master Planning, Economic Analysis, LEED®- accredited sustainable design, contract documents & construction supervision, Certified Golf & Landscape Irrigation Audits, central control network design & management, and GPS mapping services.