



CSP Storm Water Detention

Location

Toronto, ON

Consultant

AI Underhill & Associates Limited

Contractor

Dolente Concrete & Drain Limited

When designing a new subdivision in Toronto, AI Underhill & Associates ensured flooding would never occur by incorporating CANADA CULVERT's extensive Corrugated Steel Pipe Storm Water Detention System to protect hundreds of new homes in this highly populated area.

CANADA CULVERT's CSP Storm Water Detention System was built upon the strength and versatility of Corrugated Steel Pipe. The systems were designed to collect and store rain water in the event of intense rainfall effectively reducing the stress on existing municipal storm sewers and minimizing the hazards associated with flooding.

Project Details

Sundridge's Storm Water Detention System used large capacity CSP barrels as the detention system to store excessive rainfall. At the system's invert, a small outlet pipe was sized to match the municipal storm sewer tie-in. This allowed the storm water to be managed by municipal sewers at a controlled rate.

STEELCOR CSP was selected to meet the project's stringent design requirements. CANADA CULVERT supplied a complete system including:

- 45m of 2000mm x 2.0mm Aluminized Type II STEELCOR CSP
- 6mm thk. Galvanized and Reinforced Bulkheads, double-welded to CSP barrels
- Two 1200mm CSP Manhole Risers complete with ladders
- Tie-ins for incoming and outgoing storm connections
- Annular couplers complete with neoprene strip gaskets
- Project-specific fabrication drawings and in-field technical support

CSP Protects
Toronto
Subdivision

British Columbia

Dawson Creek
Genelle
Langley
Prince George

Alberta

Edmonton
Grande Prairie
Ponoka

Saskatchewan

Regina
Saskatoon

Manitoba

Winnipeg

Ontario

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TF. 1 (800) 565-1152
canadaculvert.com