



CSP Storm Water Detention

Location

Sudbury, ON

Owner

SalDan Developments Limited

Distributor

Corix Water Products

Contractor

R.M. Belanger Limited

To ensure its new Sundridge subdivision in Sudbury would never flood, SalDan Developments enlisted CANADA CULVERT to design an extensive Storm Water Detention System that would incorporate the subdivision's plans and protect hundreds of new homes.

CANADA CULVERT's 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 CSP 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:

- 58m of 1800mm x 2.0mm Aluminized Type II STEELCOR CSP
- Double-welded Elbows, Manifolds, and Tee Fittings
- 6mm thk. Galvanized and Reinforced Bulkheads
- Two 1200mm CSP Manhole Risers complete with ladders and lockable access covers
- 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
Sudbury
Subdivision

British Columbia

Dawson Creek
Genelle
Langley
Prince George

Alberta

Edmonton
Grande Prairie
Ponoka

Saskatchewan

Regina
Saskatoon

Manitoba

Winnipeg

Ontario

Orangeville

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