

Ultra Flo® Storm Water Management

Owner

City of Port Moody

Design Consultant

R.F. Binnie & Associates Ltd.
Surrey, BC

General Contractor

Matcon Civil Constructors Inc.
Langley, BC

Geotechnical Consultant

Davies Geotechnical Inc.
Burnaby, BC

Location

Heritage Mountain
Port Moody, BC

“TAKING THE INDUSTRY BY STORM”



Design:

As part of the City of Port Moody's North Shore Community Park and School District No. 43 (Coquitlam) Heritage Mountain Underground Services Plan, R.F. Binnie & Associates required a storm water management system. Following their review, Armtec's proposal involving 1600 mm diameter Ultra Flo storm sewer pipe manufactured from Aluminized Steel Type 2 (ALT2), as per the 2000 edition of the Master Municipal Construction Document (MMCD) Section 02721 was deemed successful.

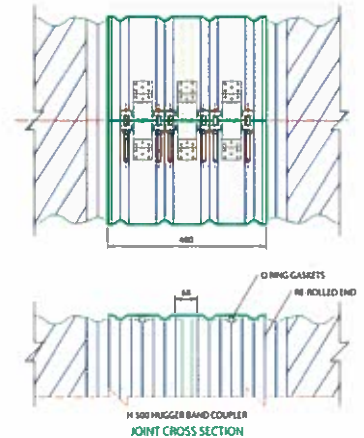
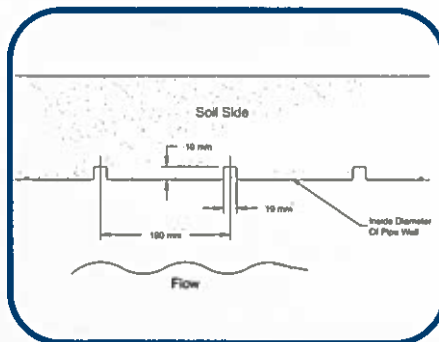
The Ultra Flo tanks were fitted with pre-fabricated, factory installed CSP manhole risers, ladder rungs, pre-engineered reinforced steel bulk heads, elbows, mainline saddle connections and H-500 Hugger Band gasketed couplers to ensure a high degree of water tightness at the joints.

Unique attributes of Armtec's Ultra Flo Spiral Rib Storm Water Detention Tanks:

- Superior Hydraulics
- ALT2 Improved Corrosion Resistance
- MMCD Approved Section 02721
- Smooth Corrugation Profile allows easier maintenance flushing

Interesting Fact:

During the final design stage, Armtec & R.F. Binnie worked together to engineer a storm water management system that would allow teachers to employ the tank as an educational tool for future science students.



Case History



Another form of
'Detention' for students

City of Port Moody

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