

Project Profile

Objective

To restrict the surface water runoff to 5 l/s from the new 150-bay car park.

Solution

Installation of Hydro's Stormbloc® modular storage system resulted in a reduction in capital and installation costs. Access for maintenance / inspection is provided by the patented tunnels in the Stormbloc® modules and the Stormbloc® Inspect chambers. Flow control was provided by a 75 mm type SXH Hydro-Brake® Flow Control.



Stormbloc® Inspect

Product Profile

- Same dimensions as Stormbloc® modules.
- Can be integrated within all Stormbloc® installations.
- High and low level inlet connections possible.
- Access to installation via 500 mm internal extension shaft to ground level.
- Optimum accessibility for inspection and maintenance.
- Reduces installation time.

Stormbloc® Inspection Chamber Reduces Installation Costs at Largs

High average local rainfall at Largs in North Ayrshire presented a challenge when building a 150-bay car park at a new community resource centre. But attenuation of surface runoff from the car park was achieved with significant cost savings by installing Hydro International's Stormbloc® modular storage system with the new Stormbloc® Inspect access chamber and Hydro-Brake® Flow Control.

North Ayrshire Council is building the centre to provide a regional location for health care, social services and other community benefits. With an average annual rainfall of nearly 1000 mm, installing the car park for the new North West Ayrshire Resource Centre could have created significant runoff problems.

Local planning imposed a discharge limit of 5 litres/sec for the car park and the original plan was to achieve this with a modular storage cell solution site under the car park. However, Joe Smith, Network Manager at North Ayrshire Council's Road Services, was able to suggest a modification to the original plans with significant savings potential.

"By installing Hydro's Stormbloc® infiltration and storage solution in three separate tanks, we were able to save on the capital and installation costs," comments Joe. "Stormbloc® has an integral inspection channel built into the modular block system, and we were able to use the new Stormbloc® Inspect access chamber to provide two inspection points at each location".

"Stormbloc® Inspect costs less than conventional inspection arrangements, and allows easy access for inspection and any cleaning or jetting that may be required, lowering maintenance requirements in the long term".



The New North West Ayrshire Resource Centre was completed 2008, to supplement the services of the existing Day Hospital (temporarily relocated to Brooksby House) and the Moorburn Road Community Clinic.

turning water around ...®

This information is for guidance only and not intended to form part of a contract. Hydro International pursues a policy of continual development and reserves the right to amend specifications without prior notice. Equipment is patented in countries throughout the world.