



StormCell System

Operation, Inspection and Maintenance

Protection of the StormCell system from excessive silt and debris build-up is to be provided by the design and installation of appropriate interceptor filtration sumps required by the NZ Building Code (E1/AS1 s.3.6).

Installation of the StormCell system is to be in accordance with the StormCell Installation Manual, including the provision for inspection/maintenance ports.

- The port locations will be noted on the drawings provided by the designer or builder's as-built, and will accommodate any site specific constraints.
- The ports will be constructed from 150mm uPVC, positioned on the designated tanks at opposing ends of the StormCell system and be capped off using a rodding eye or similar, as per the designers specifications.
- The inspection/maintenance ports should be located at opposing ends of the StormCell system, allowing the monitoring and maintenance for any infiltration of silt or debris caused by failure of the rainwater interceptor filtration protection device.

Operational inspections and maintenance of the stormwater system will ensure the on-going protection and proper function of the StormCell system, in accordance with the design expectations.

Appropriate inspections and maintenance include;

- Rainwater inlet sumps/filters and gutters should be cleaned out regularly, particularly during seasonal periods of high winds and leaf fall.
- Inspection of the StormCell system via the installed inspection/maintenance ports at least on an annual basis, to confirm the StormCell system is draining away after rainfall events, to ensure the StormCell system continues to be operational.
- Continued high water level that does not drain away as expected, may indicate infiltration and clogging of the StormCell system.
- Should infiltration occur, the StormCell system should be flushed through one of the inspection/maintenance ports.
- Contaminants can then be removed via another maintenance port at the opposing end of the StormCell system using a vacuum truck.
- The interceptor filtration device should be examined for damage and either repaired or replaced to prevent further infiltration re-occurring.

An initial 3 monthly inspection regime of the stormwater system is recommended, which can be extended if inspections indicate a longer duration between inspections.