

1654 – The Coastal Activity Centre – Surface Drainage Systems Design Features and Maintenance Schedule

Drainage Network – Key Features

- Gravity drainage network.
- All pipes are connected soffit to soffit.
- Surface water discharges directly into the harbour via an Althon PTK-A HDPE Flap Valve as per drawing WL-1654-053.
- Gullies connected to the surface water system are to be fitted with a Bio Brane Drain Guard to prevent contamination entering the harbour.
- Roof gutters to be fitted with mesh protection to prevent leaves entering the surface water network.

Drainage Maintenance Schedule

The foul and surface water systems will require regular maintenance to ensure effective operation. The Coastal Activity Centre will take on the responsibility of operating and maintaining these systems. The table below details the anticipated frequency of maintenance for the proposed drainage network

Element	Proposed Action	Frequency
Surface Water Flap Valve	Valve to be visually inspected to ensure there are no blockages or obstructions to the outlet. Debris, silt and other sediments to be removed where necessary.	Biannual
Catchpits and silt traps	Covers to be lifted to allow a visual inspection of the system to take place. Debris, silt and other sediments to be removed.	Biannual
Bio Brane Drain Guard	Gullies connected to the surface water system are fitted with the Bio Brane Drain Guard. To be inspected and replaced as required as per the manufacturer's recommendations.	Inspect every two months, replace every three to six months as required.
SW drainage system (whole)	Covers to be lifted to allow a visual inspection of the system to take place. Any blockages should be cleared. Silt and other sediments to be removed where necessary.	Annually