

Notes
 Do not scale from this drawing. All dimensions must be checked on site prior to commencement of any fabrication or building works. Where applicable, dimensions and details are to be read in conjunction with specialist consultant drawings and / or other specifications; any discrepancy is to be brought to the attention of the office and clarification sought before proceeding.
 Dimensions shown on this drawing are (millimetres / metres).

- SILT FENCING
- BUND
- TEMPORARY DITCH IF REQUIRED
- SILT BUSTER
- AREA TO BE SEEDED FOR SALES AND SURFACE WATER

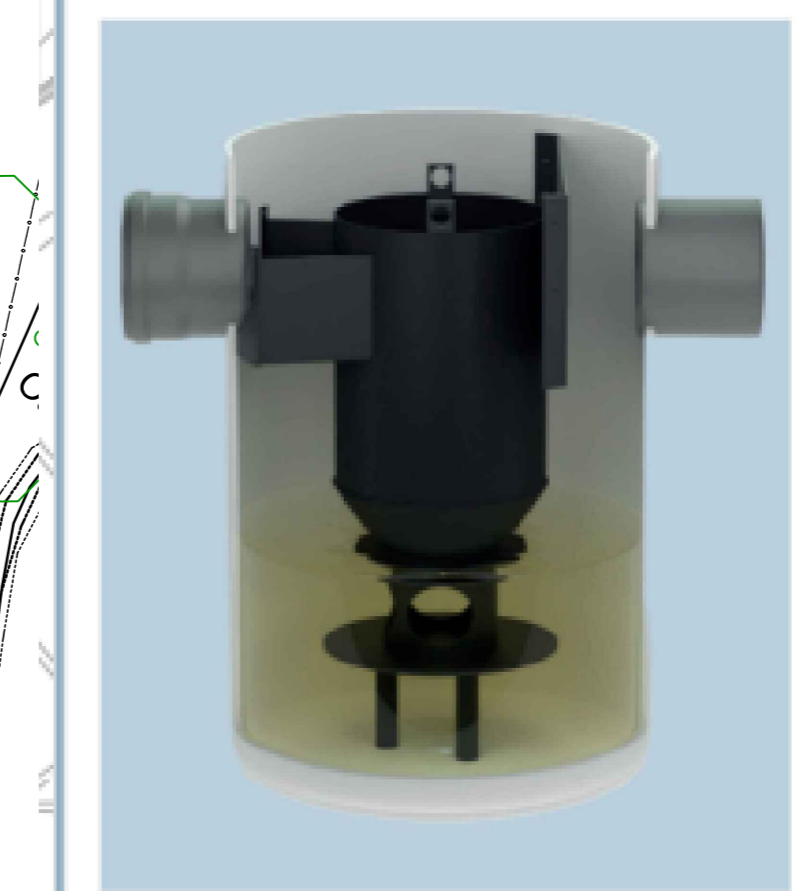
ATTENUATION CRATE TO BE USED FOR SURFACE WATER STORAGE

SILT BUSTER INSTALLED IN MANHOLE

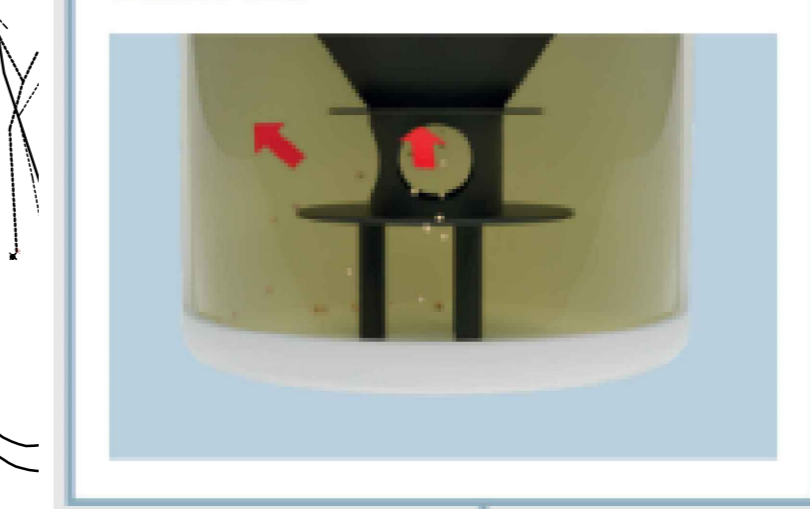
Phase 2 SWMP Area to be left vegetated to reduce surface water run off

CONFIRMED YW SIPHON SEWER

The design of the ACO StormSed Vortex creates a vortex effect in the central treatment chamber which allows effective capture of pollutants.



The unique SDU design distributes the flow evenly across the device and prevents captured sediment from being flushed out.



Stormwater carrying litter, suspended solids, and oils and floatables flows into the treatment chamber where the settlement of those pollutants is achieved.

Inspection & Maintenance of GRAF Underground Stormwater Tanks and ACO StormSed Vortex

The responsibility for the maintenance of the surface water storage is to be undertaken by Greenbelt management company.

A silt trap by the way of a Hydrodynamic separator (ACO StormSed Vortex) within chamber S23a to reduce the amount of silt and solids entering the system to a minimum will be incorporated into the pipework at the inlet of the tank.

There will be a maintenance plan that ensures regular cleaning of the trap to ensure correct performance.

Paved surface areas above the crates will be inspected at the same time to ensure the units continue to provide the required structural support.

CCTV inspection at every inspection point to take place:

- After every major storm event
- At regular intervals according to the specific maintenance plan for the site

GRAF EcoBloc flex inspect blocs allow for inspection through every row of blocs to be inspected via CCTV camera and flushed through.

Inspections and cleaning will take place no less frequently than at monthly intervals during the construction phase and thereafter at 6 monthly intervals. In addition, the installation is inspected immediately following the first storm event, whenever this should occur post installation.

Individual maintenance schedules to be drawn up using the information obtained from the initial inspections. More regular inspections and emptying of the Hydrodynamic separator (ACO StormSed Vortex) will be incorporated should the Hydrodynamic separator (ACO StormSed Vortex) fill more frequently and/or if the initial inspections reveal that maintenance/cleaning will be required more regularly than at six month intervals.

Flushing of the system can be achieved using a jetting system with a 150 bar pump pressure (approximately 80 bar at the nozzle) at a discharge flow of 300 Lit/min. The jet nozzle should be introduced to the system via the Vario 800 Shaft or External manhole. The silt should be flushed to the Vario 800 Shaft or catchpit manhole and removed from there.

Revisions

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