



Fontenay, St Brelade – Groundwater Treatment System Method Statement

Groundwater will be required to be removed at times during the basement excavation.

Encountered groundwater (ground water) will be pumped via submersible pump, the submersible pump will be raised off the base of the excavation to avoid excessive removal of solids and the excavation sides will be shuttered to prevent excess solids from entering the water stream.

The submersible pump will have a mesh guard filter to prevent solids from being removed. The ground water will be pumped to a holding tank, this tank will have weir compartments that will allow sediment fines to settle at the base of the tank.



An example of a settlement tank is illustrated above.

Sediment fines will be removed from the holding tank overtime via a dedicated drain valve.

The ground water will then be passed through a membrane filter which will help remove further suspended fines, a sampling will be conducted at the end of the line to monitor the quality of the ground water discharge and provide early notification of when the filter requires maintenance.

The water is then discharged into the agreed rainwater gully