

**Ann Street Brewery –Method Statement for Dewatering**

Groundwater will be required to be removed at times during the basement excavation for Block 2 works as part of the Andium Homes scheme. De-watering is proposed to commence mid-August 2024.

The groundwater from the excavation will be pumped via submersible pump, the submersible pump will be raised off the base of the excavation to avoid excessive removal of solids. The submersible pump will have a filter to prevent solids from being removed.

The groundwater will be pumped into a Sykes Pump Silt away. The Silt Away unit has been specifically designed to separate suspended solids and sediment from water pumped from various ground sources, including construction sites. The pumped water passes through the Silt Away filters via a Lamella platebox, allowing solids contained in water to drop into a discharge chamber below.



## Sykes Pumps Silt Away

### SPECIFICATION

**Settlement area:** 10 m<sup>3</sup>

**Water capacity:** 5000 litres

**Weight empty :** 1196 kg

**Dimensions (L x W x H):** 2320 x 2320 x 2015 mm

The Silt Away unit has been specifically designed to separate suspended solids and sediment from water pumped from various ground sources, including construction sites, rivers and drains.

Pumped water passes through the Siltaway filters via a Lamella platebox, allowing solids contained in water to drop into a discharge chamber below.

As a secondary precaution measure, the water will be discharged from the Silt Away to the settlement tank, the tank will allow solids within the wastewater fall to the bottom of the tank. The groundwater will then be discharged into the agreed drainage system. The solids will be cleaned out and material properly disposed of or repurposed. The tank will be monitored, maintained and cleaned out accordingly.

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



## SETTLEMENT TANKS

### SPECIFICATION

Capacity (litres): 3000

Length (mm): 2400

Width (mm): 1200

Height (mm): 1200

Weight Empty (Kg): 900

Sykes offer a range of settlement tanks to be used on the discharge side of any pumpset.

The tanks are specially designed to prevent silt and fines being discharged into the water course or drains. Each tank is provided with a series of weir plates, Bauer quick release couplings, lifting eyes and drain plugs.