

Industrial Technology Building, 810 Winnersh Business Park

Attenuation Tank, technical response

In response to the query raised that the ground water level on site at the plot of the proposed Industrial Technology Building, 810 Winnersh Business Park may be as high as 0.025m below ground level (bgl), we confirm that the expected ground water level is in the region of 2m bgl. This was found by the Delta Simons ground investigations, initially carried out between 15th and 18th May 2023. Subsequent monitoring was carried out in June, July and August 2023.

The current demolition works on site include removing existing foundations, the excavations for these extend to approximately 1.5m bgl and to date no notable ground water has been found, providing some verification of the site investigation. Wring as demolition contractor are continuing to monitor and record any instances of ground water.

However, in light of the information from the council about the potential for a higher water table, we can confirm that the tanks are encapsulated in an impermeable membrane layer as a standard design approach. This will prevent ground water flow into the tank to ensure it functions as the attenuated storage volume for the surface water discharge from the site. This is noted on plan (3514-EVE-01-XXDR-C-9000 and 9011). As a further provisional measure, if the ground water level is found to be higher than anticipated, measures will be taken in the tank's construction to mitigate the potential flotation of the tank.