



Drainage

The general philosophy of all new Caravan Club site developments is to ensure an environmentally sound strategy in dealing with surface water drainage is adopted. This is done by employing a Sustainable Urban Drainage System (SUDS) scheme to ensure rainfall runoff is retained on site and discharged in a controlled manner.

The Caravan Club will generally utilise shallow french drains, swales or soakaways to store and discharge the stormwater runoff. Soft landscaping and pitches are porous, therefore the runoff will only be generated from the tarmac access road and the toilet block roof, generally the areas are less than 10% of the total area, and therefore the greenfield runoff rates and volumes should not be particularly onerous.

Site investigations have not yet been undertaken; therefore the decision on the form of structure and discharge rates has not been made yet.

Structure

There will be no deep excavations on the site; foundations to the toilet block will be a raft at ground level irrespective of ground conditions.

At the start of the works it is proposed to undertake some vibration monitoring to determine the level of vibration during typical tasks of construction, i.e. excavation of drainage trenches, compaction of hardcore sub bases etc. The vibration limits at the boundary adjacent the railway and the tunnel should be set by Network Rail and The Canal Trust but are generally around the 10mm/sec level. Whilst working close to these structures The Caravan Club can undertake further monitoring to ensure the limits are not exceeded, therefore adjoining structures and property are not compromised.