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Septic Tank Installation Guide

This document has been produced to assist you with the installation of a Hudson Civil Precast Concrete Septic Tank. This guide is designed to ensure that your septic tank has been installed in such a way as to offer untroubled service for years to come.

Location of Tank: When plans have been approved by Council, they still should be checked by your Builder/Plumber that the following points have been considered:

- 1) Suitable access for crane truck.
- 2) Water supply is located near by.
- 3) The location is such that the tank will not be subjected to any construction loads or cars / trucks upon completion of building works.
- 4) Tanks should be located so as the bottom of the excavation is no closer than an angle of 45 Degrees from the bottom of the footings.
- 5) Ensure any surface water is directed away from the tank and that the site, if a high water table is present, is adequately drained of ground water.

Installation Once the location of the tank has been determined and excavation has been completed, the following points should be checked prior to installation:

- 1) Pipe levels have been confirmed and the tank dimensions and pipe work depths are suitable.
- 2) Suitable bedding (7mm Blue metal x 75mm Thick) has been placed in a uniform layer and screeded level. Any protruding rock must have a minimum of 75mm bedding to the underside of the tank. If the bedding is not of a uniform thickness then compaction by vibrating plate or similar must be used and then a final screeding to ensure a flat and level base.
- 3) Use all lifting points (Proprietary 'Swift Lift' lifting devices) and spreader bar to install the precast tank. If the correct lifting equipment is not on site Do not improvise. These tanks are very heavy and if lifted incorrectly could cause serious damage to both people and property.
- 4) Upon installation of the tank, fill with water immediately to prevent uplift.
- 5) Backfill around tank with select fill and compact to avoid any subsidence.
- 6) If risers are required, ensure both joints are sealed with Epoxy Mortar or similar to ensure a watertight joint. PVC extensions should be made with appropriate Glue and Primer.

Maintenance

Your septic tank should be pumped out every four years or so. Ensure the tank is filled with water immediately after pumping out has finished.

Please note that any requirements or directions from Council staff override any advice that may be offered in this installation guide.

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