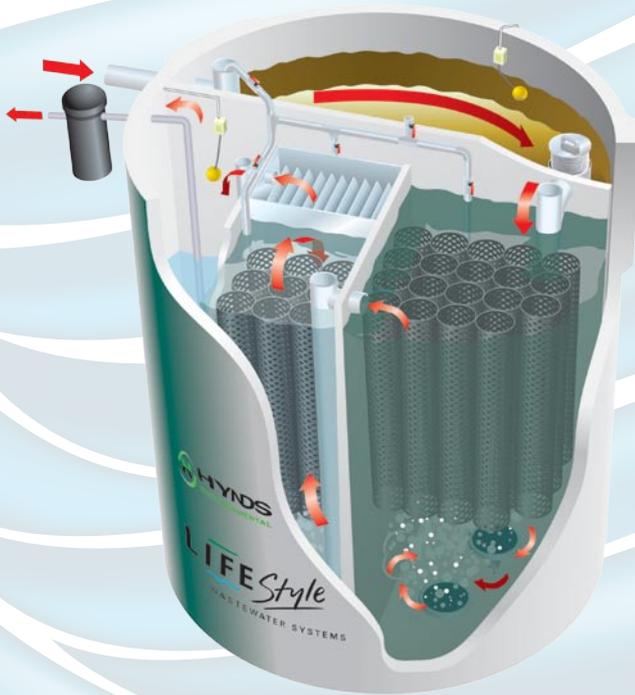


### INSTALLATION INFORMATION



A Hynds Lifestyle Wastewater Treatment System should only be installed by an authorised installer.

Installers should take note of the following information:

#### 1. Tank Access

There must be sufficient access on the site for the delivery truck to reverse up to the edge of the excavation. The overall height of the truck is 4.3m and the weight is approximately 22 Tonne. Overhead power lines, steep slopes and other obstructions must be noted. If insufficient access is not available, other installation methods must be considered.

#### 2. Excavation Requirements

(see diagram on page 2)

If the homeowner is making arrangements for the excavation, a 5 Tonne excavator is generally the minimum requirement. The excavator must be reliably maintained and should remain available

until completion of the installation for backfilling and compacting. To avoid the excavation filling with rainwater and / or collapsing, the hole should only be dug on the day of installation. Excavation should be completed under the supervision of an authorised Hynds Environmental installer to ensure that the excavation is in the correct position and to the correct dimensions.

Note: if risers are required (see point 3 below), the hole will need to be deeper and a larger excavator may be required. Scoria, sand or GAP7 (about  $\frac{1}{2}$  m<sup>3</sup>) must be available as bedding for the tank.

#### 3. Connection into the System

The sewage network is connected into the tank with a normal 100mm PVC stub fitting as shown in the diagram.

A minimum fall of 1:60 is required from the house to the Lifestyle tank. If this cannot be achieved using a standard excavation depth – either due to the site's geography or due to existing sewer lines – the tank must be lowered and risers fitted (normally at extra cost). The risers are necessary to ensure protection of electrical components and access to the tank for servicing purposes. It must be ensured that new sewer lines are not installed unnecessarily steep and / or deep, as this may cause extra expense. Hynds Environmental installers can provide full drainage services and carry out the final sewage connection.

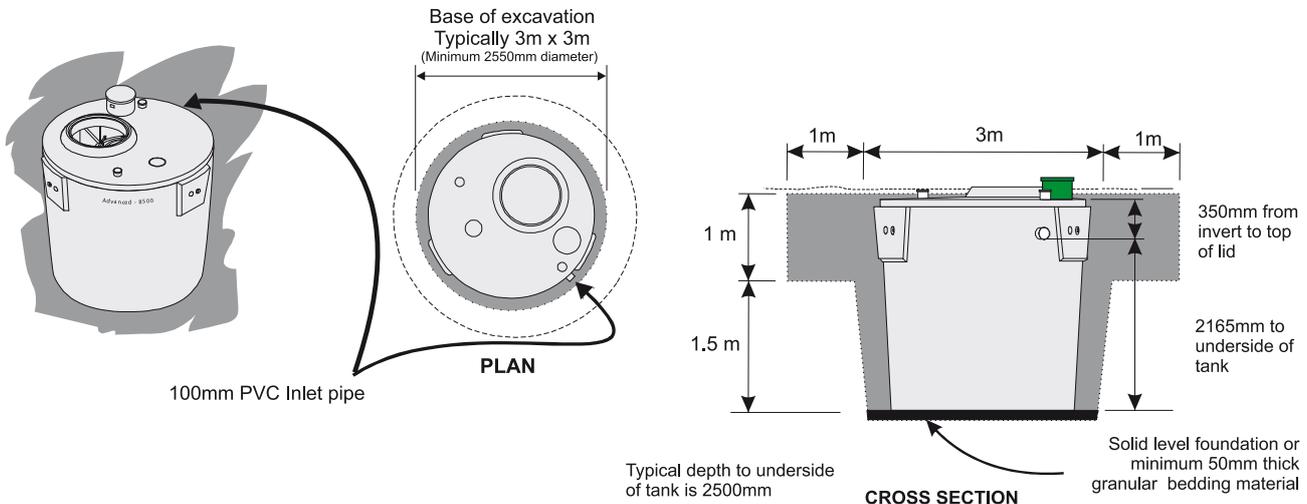
#### 4. Electrical

Please refer to the Electrical Requirements brochure (EV.38).

A certified electrician must complete the electrical connections to the system. To save additional trenching cost, the electrical cables conduit can be laid in the drainage trench (to the tank) while it is still open. The system's alarm plate will be found inside the electrical control unit by removing the face cover. The alarm needs to be installed inside a building, in a position where it can be easily heard and accessed.

# AERATED WASTEWATER TREATMENT SYSTEM

## Excavation Requirements



## 5. Disposal Area

The area designated for disposal of the treated wastewater will need to be prepared. Before irrigation can be laid, the grass must be cut short or ideally the area should be rotary hoed. Once the irrigation has been laid, the area must be planted and mulched or barked. This must be completed before the Producer Statement can be supplied. Once prepared, livestock and vehicles must be kept off the area.

For surface irrigation systems, suitable trees and shrubs must be planted over the land application area to ensure adequate evapotranspiration. Hynds Environmental can provide further information on suitable plants. In addition, unless sufficient leaf litter is present to naturally cover the irrigation lines (e.g. in native bush), a 75-100mm thick layer of bark or mulch must be laid over the lines. This acts as a barrier to suppress weeds and to protect the lines from UV rays and disturbance.

Planting and barking must be completed before the Designer can sign off the installation and before a Code of Compliance certificate can be issued by the local authority. For bark gardens, we recommend the use of aeratable bark (grade 4 or larger). This will not be blown around and allows good airflow to the ground.

Weed matting is not recommended as it 'suffocates' the soil (even in non-irrigated situations).

Buried irrigation lawn areas will need final preparation before sowing the grass seed. These areas should not be driven on by anything heavier than a ride-on mower.

## 6. Other Site Works

Arrangements must be made for the construction of any cutoff/swale drains if specified in the Engineer's wastewater design report. These drains prevent any surface run-off water flowing on or over the area and ensure compliance with consent conditions. This construction can be contracted to Hynds Environmental.

## 7. Planning

To assist in planning of the installation, the Building Consent Number and proposed date of installation must be advised as soon as possible. Any changes to the installation date must be advised immediately as the earliest possible notification will help ensure that the tank is installed when the homeowner is ready for it.

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