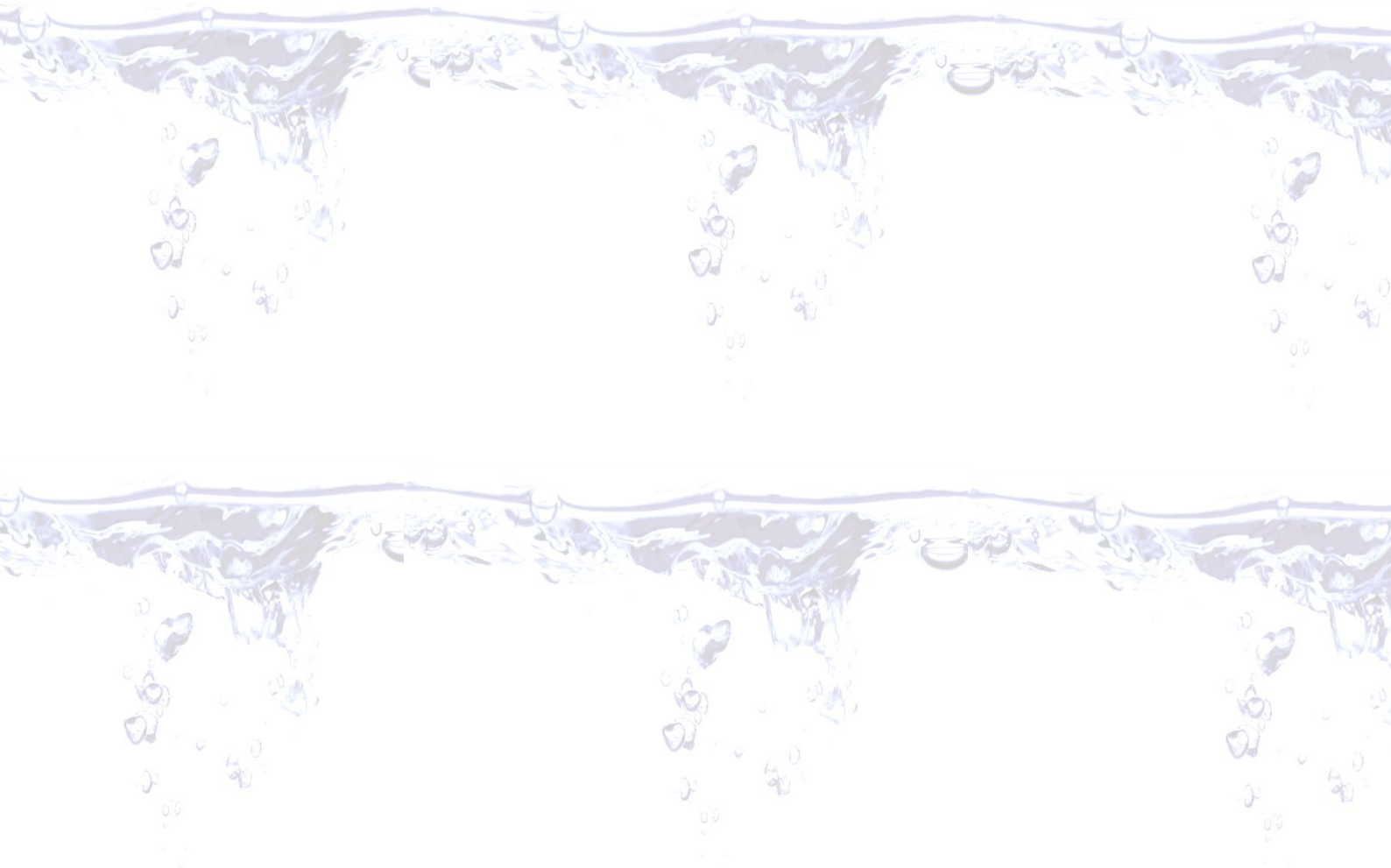


**Site Preparation and
Excavation Information for
your Built on Site
Concrete Tank**

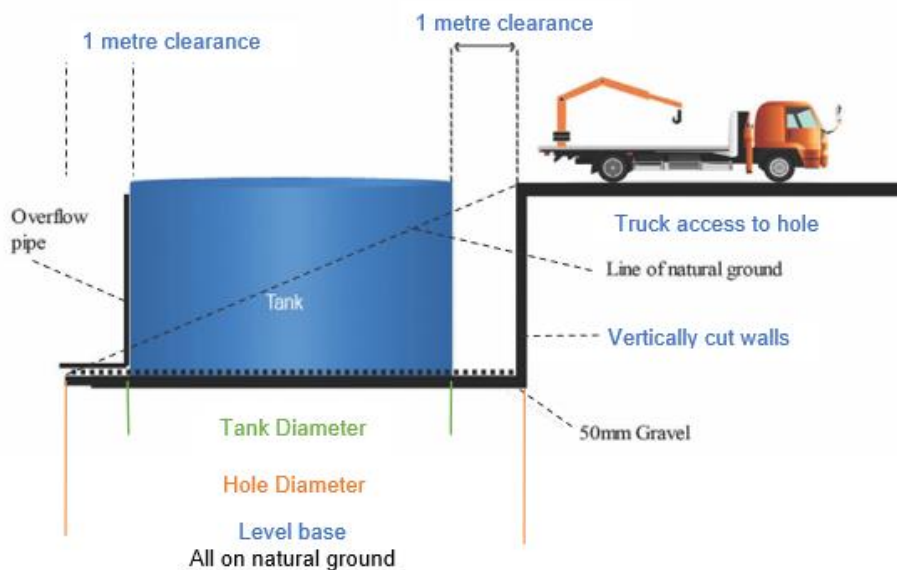


Site Preparation

The first stage for the construction of a Panthers Concrete Tank is site preparation.

- Tanks must be constructed on natural level solid ground
- We recommend 50mm thick layer of gravel and 20mm aggregate at the base of the tank
- Site must be properly compacted and laser levelled foundation
- Tanks can be constructed above or below ground. Above ground requires concrete pump at additional cost. Tanks also out of the ground more than 800mm also require a concrete pump at additional cost.
- There must be sufficient access for trucks. Require 5 metre wide truck set up point near hole.
- Prior to excavation we recommend calling us if you require further information or site inspection.
- Once the concrete tank is constructed you must take care when backfilling around the tank to keeps its structural stability.
- Overflow pipe to be diverted away from tank base
- Tanks fully in the ground must never be empty. Once the tank is completed, fill the tank with a minimum of 25%.
- Empty tanks are buoyant. Do not let water on the outside of the tank in the excavated hole build up as the tank will float.
- Do not put excavated soil on hole edge. Keep 1 metre clear around hole edge for construction

For any excavation related questions, please contact Charlie on 0418 619 008



**Panthers Concrete Tanks are constructed to Australian Standards
AS 3735 Concrete Structures for Retaining Liquids
AS 3600 Concrete Structures**

Excavation Information

| CAPACITY (LITRES) | ROOF LOADING | TANK DIAMETER | HOLE SIZE |
|-------------------|--------------|---------------|---|
| 30,000 | Standard | 4.6m | 6.5 metres diameter x 2.35 metres high |
| 30,000 | 3KPA | 4.6m | 6.5 metres diameter x 2.8 metres high |
| 30,000 | 5KPA | 4.6m | 6.5 metres diameter x 2.95 metres high |
| 40,000 | Standard | 4.6m | 6.5 metres diameter x 2.35 metres high |
| 40,000 | 3KPA | 4.6m | 6.5 metres diameter x 2.8 metres high |
| 40,000 | 5KPA | 4.6m | 6.5 metres diameter x 2.95 metres high |
| 50,000 | Standard | 5.65m | 7 metres diameter x 2.35 metres high |
| 50,000 | 3KPA | 5.65m | 7 metres diameter x 2.8 metres high |
| 50,000 | 5KPA | 5.65m | 7 metres diameter x 2.95 metres high |
| 65,000 | Standard | 6.5m | 8 metres diameter x 2.35 metres high |
| 65,000 | 3KPA | 6.5m | 8 metres diameter x 2.8 metres high |
| 65,000 | 5KPA | 6.5m | 8 metres diameter x 2.95 metres high |
| 107,000 | Standard | 8.3m | 10 metres diameter x 2.35 metres high |
| 107,000 | 3KPA | 8.3m | 10 metres diameter x 2.8 metres high |
| 107,000 | 5KPA | 8.3m | 10 metres diameter x 2.95 metres high |
| 120,000 | Standard | 8.7m | 11 metres diameter x 2.35 metres high |
| 120,000 | 3KPA | 8.7m | 11 metres diameter x 2.8 metres high |
| 120,000 | 5KPA | 8.7m | 11 metres diameter x 2.95 metres high |
| 150,000 | Standard | 9.9m | 12 metres diameter x 2.35 metres high |
| 150,000 | 3KPA | 9.9m | 12 metres diameter x 2.8 metres high |
| 150,000 | 5KPA | 9.9m | 12 metres diameter x 2.95 metres high |
| 170,000 | Standard | 10.5m | 12.5 metres diameter x 2.35 metres high |
| 170,000 | 3KPA | 10.5m | 12.5 metres diameter x 2.8 metres high |
| 170,000 | 5KPA | 10.5m | 12.5 metres diameter x 2.8 metres high |

Standard Roof Loading

Hole height will make the tank level with ground.
Recommended to be out of ground 150mm

3KPA Roof Loading

Hole height is allowing 400mm soil loading

****The above is a guide. You can alter the height to suit your requirements**

