

GCT GREASE TRAP INSTALLATION

We recommend using a licensed plumbing company to install your grease trap/s in accordance with the relevant Plumbing Codes of Practice (Below are basic guidelines)

Determine where to install the grease trap. The best location for small grease trap installations is under or beside the sink, larger grease traps must be installed outside of the kitchen.

Above ground installations:

1. Install the grease trap as close to the sink/s as possible and leave enough space for the cleaning of the grease trap.
2. Using the adjustable feet and a spirit level make sure the grease trap is level.
3. As per the sewer design attach inlet and outlet pipes to the grease trap using SSN couplings (No-Hub couplings) or PVC fittings (depending on the model of the grease trap) [Use SABS approved pipe and fittings only].
4. For installations outside of the kitchen be sure to install a two-way vent valve onto the outlet of the grease trap.
5. Once the installation is complete fill the grease trap up with fresh water to the height of the outlet pipe.

Below ground installations:

6. Excavate as close to the kitchen as possible but not closer than 1.0 metres away from the building and leave enough space for the cleaning of the grease trap.

7. A 150mm - 250mm layer of concrete must be cast and leveled at the bottom of the excavation prior to the placement of the grease trap.

We recommend 30MPA concrete but this must be assessed by the dedicated civil engineer.

Excavation must conform to local excavation codes and standards. Topsoil removed during excavation must NOT be used as backfill material.

The excavation must be free from any hard or sharp material that may cause damage to the grease trap.

8. A double brick wall is to be constructed around the grease trap on top of the concrete layer. A minimum space of 150mm must be left between the sides of the grease trap and the brick wall and 300mm between the front and back of the grease trap and the brick wall - providing sufficient space for the installation. In cases where flooding of the excavated area takes place dewatering must be provided to ensure that the excavation is stable and free of water.

7. Place the grease trap on top of the concrete layer within the brick walls without damaging the unit, then using a spirit level make sure the grease trap is level. **In high water table areas the grease trap may need to be anchored down in order to prevent it from floating.**

8. Pea Gravel (or an approved equivalent backfill material compacted to 98% in each layer) must be placed in uniform layers of 150mm - 200 mm in depth up to the bedding for the inlet and outlet pipes inside the chamber between the brick wall and grease trap.

9. Install standard pipe bedding for the inlet and outlet pipes as per the sewer design then attach inlet and outlet pipes to the grease trap. (Use SABS approved pipe and fittings only).

10. Install a vent valve onto the designated vent pipe of the grease trap situated by the outlet.

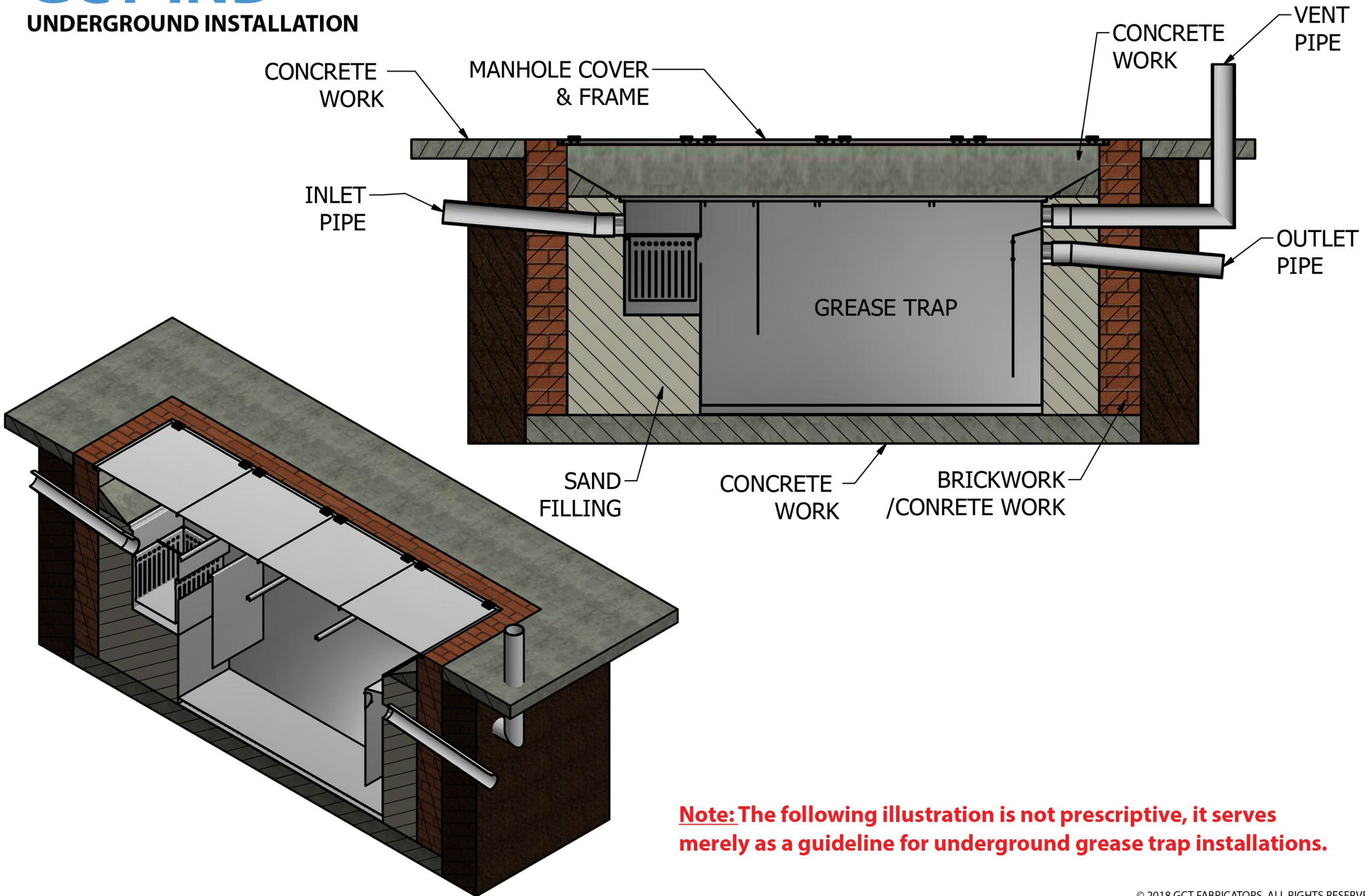
11. A final layer of water resistant concrete eg. Cemcrete must be cast above the backfill material slightly higher than the grease trap and sloped downward at a 45° angle to the top of the grease trap to ensure no storm water enters the area surrounding the grease trap.

12. Once the installation is complete fill the grease trap up with fresh water to the height of the outlet pipe.

13. For an external frame and cover installation place the frame above the opening to match the top of grade elevation.

Make sure the frame is not in direct contact with the top of the tank. A gap is required to prevent the vertical load transfer from the frame to the tank, the gap varies from site to site but should be no less than 300mm. Cast concrete around the frame to secure it in place.

GCT-IND UG Grease Traps are supplied without hinged covers and are to be used in conjunction with a compatible GCT-IND Manhole Cover and Frame. The inside dimensions of the brick/ concrete chamber to be constructed must be the same as the inside dimensions of a compatible manhole cover and frame for the installation to be succesful.



Note: The following illustration is not prescriptive, it serves merely as a guideline for underground grease trap installations.