

## Sanifos 610 - Excavation – Installation – Ballast

### INTRODUCTION

Correct excavation, concrete ballast & backfill is essential to stop potential hydrostatic uplift along with lateral ground load deformation of the inground pump chamber.

Hydrostatic uplift is the term used for the action of subsurface water applying pressure to the underside of the tank, whilst lateral load deformation can be caused by lateral ground movement pushing against the walls of the chamber/tank.

### IMPORTANT

**Safe work method & correct Shoring Procedures must be followed in all excavation works**

The below excavation dimensions along with ballast and backfill procedures must be followed to maintain warranty of the pump chamber/tank.

**Excavation depth 1010**

**Excavation at base 1300 x 1300**

**Base filling sand 50mm min**

**Backfill ballast 50/50 ration - 10mm gravel/filling sand to within 100mm of ground surface**

**Concrete ballast 350 depth (0.319m<sup>3</sup> min based on 1300 x 1300 excavation)**

