Sanifos 1300 - 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 2120

Excavation at base 1260 x 1260

Base filling sand 50mm min

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

Concrete ballast 716 depth (0.622m^3 min based on 1260 x 1260 excavation)