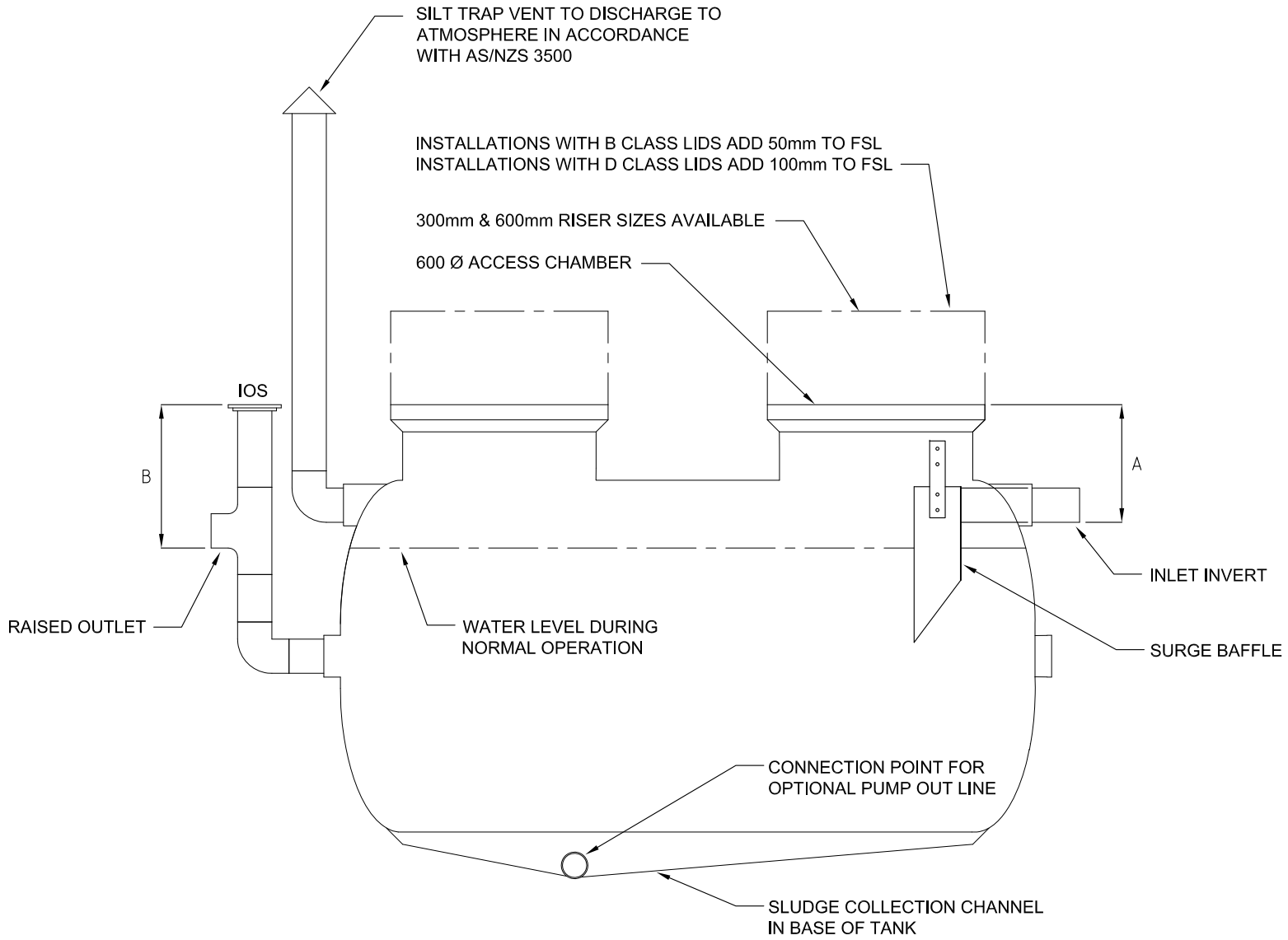
1500 - 5000 LITRE HALGAN S SERIES SILT TRAP DETAIL

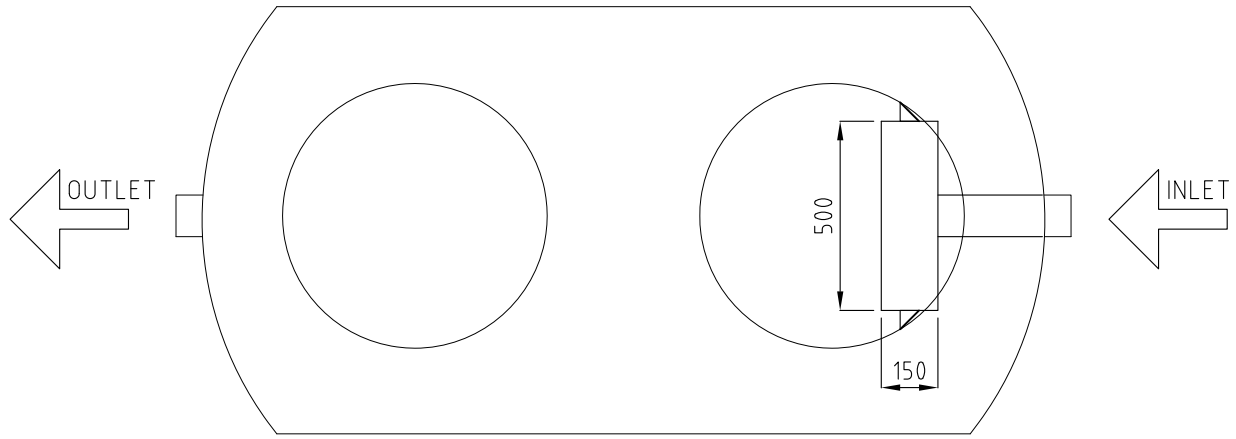
Notes

1. Product
   Halgan Silt Traps are manufactured from chemical grade polyethylene.
   The Halgan Silt Trap can be installed above and below ground. The Trap is designed is to slow the influent and allow contaminated water full of silt and other contaminates to settle before discharging to the sewer or stormwater system.
2. Application
   The Halgan Silt Trap is used for treatment of waste water from commercial premises. For example manufacturing, dog kennels, horse stables and stormwater. Refer to the local Trade Waste Standards. This standard outlines all the discharge parameter limits that can be accepted into the sewage system.
3. General
   3.1. Tank constructed from Polyethylene.
   3.2. The Silt Trap is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
   3.3. The Silt Trap must have ease of access to pumpout point for maintenance.
   3.4. A hose tap fitted with RPZD backflow protection (as per AS/NZS 3500) must be installed within 5 metres of the Silt Trap for maintenance and cleaning.
3. Installation above ground
   3.1. The Silt Trap is to be supported on a 100mm thick concrete pad. A stand is available for the Halgan S Series Silt Trap if required.
   3.2. Any maintenance platform must be installed in accordance with Australian Standard 1657-1992 allowing safe access while inspecting and maintaining the Silt Trap.
   3.3. All pipes connecting to the Silt Trap shall be fully supported, there shall be no stress on the tank connections.
   3.4. All stormwater must be diverted away from the Silt Trap to prevent undermining of foundation.
4. Installation below ground
   4.1. All connections to the Silt Trap shall be in accordance with the appropriate authorities.
   4.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
   4.3. The Halgan Silt Trap must be filled with water prior to backfilling.
5. Excavation dimensions
   5.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
   5.2. 75mm clearance is required at the sides of tank.
6. Over excavation
   6.1. Where an excavation has been made deeper than required, the excess depth shall be filled either with 4:1 sand cement compacted to achieve 98% compaction or concrete.
7. Water Charged Ground
   7.1. Where installation is in high water table or water charged ground, mine subsidence, filled or unstable areas, the services of a qualified structural engineer is required for certification.
8. **Bedding material**
   8.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
   8.2. The bedding/backfill shall be minimum 75mm thick.
   8.3. The bedding/backfill shall be thoroughly compacted by tampering at 300mm layers.
   8.4. The bedding/backfill material shall encase the whole tank.
   8.5. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
   8.6. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.

HALGAN HSTS DIMENSIONS

MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT	A (INLET)	B (OUTLET)
HSTS 1500	1515mm	1130mm	2230mm	1500 L	125KG	380mm	460mm
HSTS 2000	1515mm	1130mm	2910mm	2000 L	170 KG	380mm	460mm
HSTS 3000	1680mm	1290mm	3055mm	3000 L	210KG	380mm	460mm
HSTS 4000	1825mm	1510mm	3250mm	4000 L	250 KG	380mm	460mm
HSTS 5000	1940mm	1625mm	3200mm	5000 L	300KG	370mm	460mm





REV	DATE	DESCRIPTION	BY	CHKD	APP
B	18.11.2013	DETAIL DESIGN	KB	SM	KH
A	29.10.2012	DETAIL DESIGN	DN	SM	KH

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REF. DWG.

TITLE: 1500 - 5000 LITRE HALGAN S SERIES SILT TRAP DETAIL

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DRAWN: DN	DATE: 29.10.2012
CHECKED: SM	SCALE: 1:20 A3
DWG. NO.: HSTS 1500-5000	REV.: B