



# Certificate of Accreditation

## Sewage Management Facility

### Septic Tanks

*This Certificate of Accreditation is issued by the Secretary of the NSW Ministry of Health pursuant to Clause 41(1) of the Local Government (General) Regulation 2005.*

*Manufacturer: Halgan Pty Ltd*

*Of: 141 Magnesium Drive, Crestmead, QLD, 4132*

*The Septic Tanks as described in the following Schedule have been accredited as sewage management facilities for use in single domestic premises in NSW.*

*A/Director, Environmental Health  
for Secretary (delegation PH335)*

**Issued:** 23 October 2020

**Certificate No:** STCW039

**Expires:** 31 December 2025

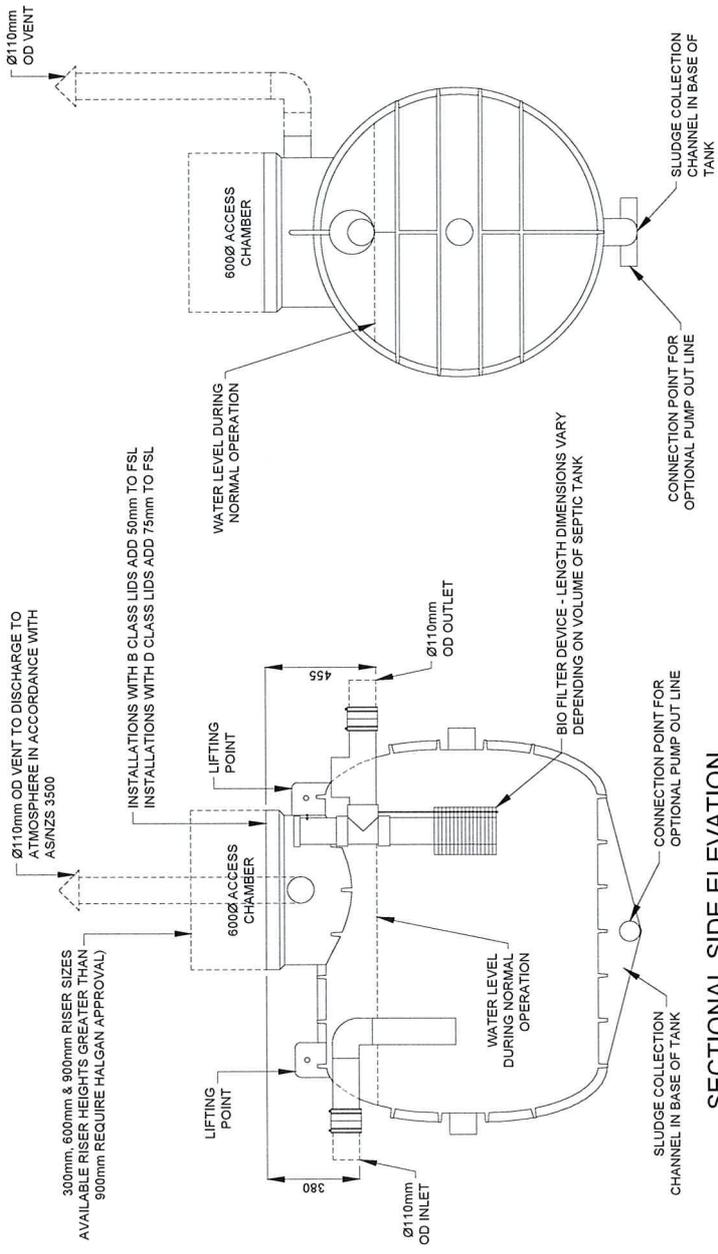


## ***Accreditation Schedule***

*The Certificate of Accreditation applies to the following  
Septic Tanks*

Model	Description	Size
Septic Tank	Horizontal axis type, rotamoulded polyethylene tank.  Certification applies only to the construction of the tank, lid, cast iron access covers; inlet and outlet fittings.  Tank lid burial depth is restricted to 600 mm	1000 L Capacity 1500 L Capacity 2000 L Capacity 3000 L Capacity 4000 L Capacity 5000 L Capacity

# HALGAN ENVIRONMENTAL™ HSEPS 1000 SEPTIC TANK DETAIL



**ACCREDITED**  
23 OCT 2020  
NSW MINISTRY OF HEALTH



- Notes**
- General
    - 1.1. Tank constructed from Polyethylene.
    - 1.2. The HSEPS is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
    - 1.3. The HSEPS must have ease of access to pumpout point for maintenance.
    - 1.4. Non standard installations require Halgan approval.
  - Installation below ground
    - 2.1. All connections to the HSEPS shall be in accordance with the appropriate authorities.
    - 2.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
    - 2.3. The HSEPS must be filled with water prior to backfilling.
    - 2.4. Riser heights greater than 900mm require Halgan approval.
  - Excavation dimensions
    - 3.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
    - 3.2. 75mm clearance is required at the sides of tank.
  - Over excavation
    - 4.1. 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.
  - Bedding/Backfill
    - 5.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
    - 5.2. The bedding/backfill shall be minimum 75mm thick.
    - 5.3. The bedding/backfill shall be thoroughly compacted by tamping at 300 mm layers.
    - 5.4. The bedding/backfill material shall encase the whole tank.
    - 5.5. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
    - 5.6. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.
  - Water Charged Ground
    - 7.1. Installation in areas subject to flooding & groundwater is only permitted when the level of water does not exceed the height of the middle of the tank.
    - 7.2. In areas of heavy, clay-like soils, the installation is only permitted when there is sufficient drainage underneath the body of the tank.

HALGAN ENVIRONMENTAL™ HSEPS 1000 SEPTIC TANK DIMENSIONS					
DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS					
MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT
HSEPS1000	1550mm	1130mm	1700mm	1000L	95KG


 Freecall 1 800 860 623  
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 Queensland QLD 4132  
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 www.halganenvironmental.com.au

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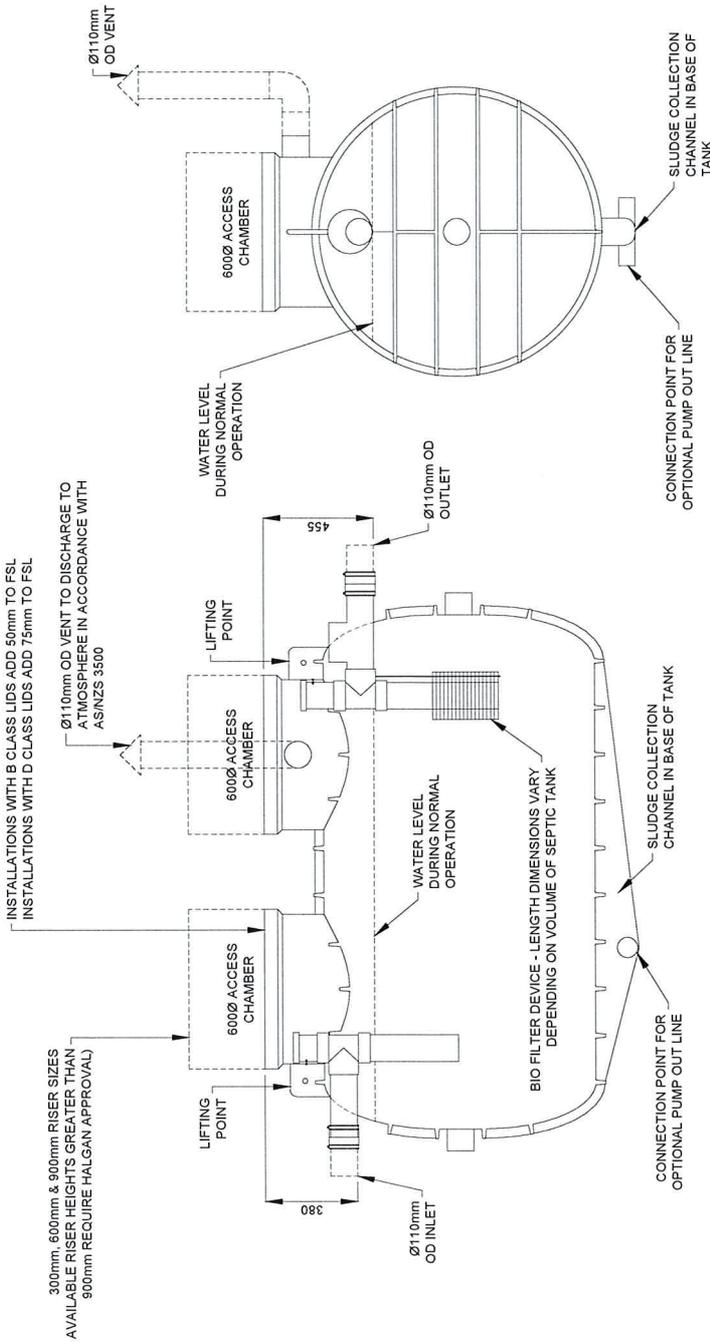
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A	31/12/19	DETAIL DESIGN	JV	K	MR

MEASUREMENTS CAN VARY ± 3%

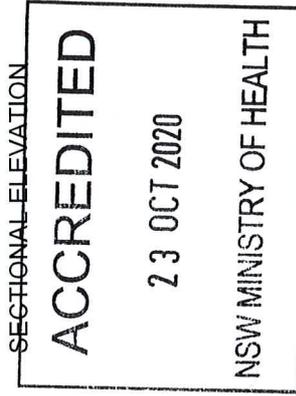
HALGAN ENVIRONMENTAL™  
 HSEPS 1000 SEPTIC TANK  
 DETAIL

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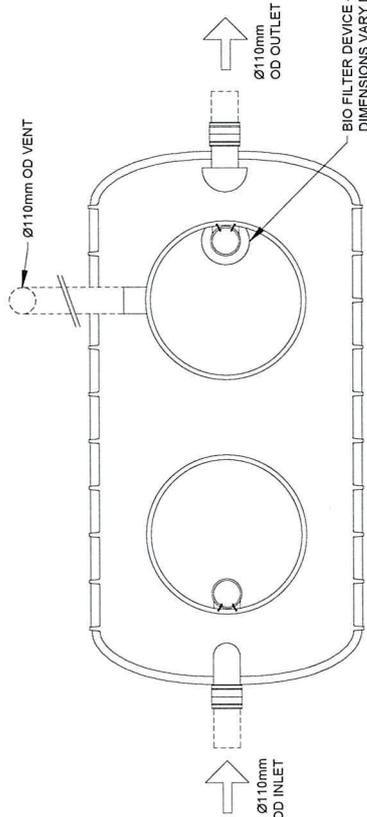
# HALGAN ENVIRONMENTAL™ HSEPS 1500 SEPTIC TANK DETAIL



SECTIONAL SIDE ELEVATION



Certified Product - AS/NZS 1546.1  
Global-Mark.com.au®  
ID Number: 1546.1



PLAN VIEW

300mm, 600mm & 900mm RISER SIZES AVAILABLE  
RISER HEIGHTS GREATER THAN 900mm REQUIRE HALGAN APPROVAL

INSTALLATIONS WITH B CLASS LIDS ADD 50mm TO FSL  
INSTALLATIONS WITH D CLASS LIDS ADD 75mm TO FSL

## Notes

1. General
  - 1.1. Tank constructed from Polyethylene.
  - 1.2. The HSEPS is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
  - 1.3. The HSEPS must have ease of access to pumpout point for maintenance.
  - 1.4. Non standard installations require Halgan approval.
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  - 2.1. All connections to the HSEPS shall be in accordance with the appropriate authorities.
  - 2.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
  - 2.3. The HSEPS must be filled with water prior to backfilling.
  - 2.4. Riser heights greater than 900mm require Halgan approval.
3. Excavation dimensions
  - 3.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
  - 3.2. 75mm clearance is required at the sides of tank.
4. Over excavation
  - 4.1. 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.
5. Bedding/Backfill
  - 5.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
  - 5.2. The bedding/backfill shall be minimum 75mm thick.
  - 5.3. The bedding/backfill shall be thoroughly compacted by tampering at 300 mm layers.
  - 5.4. The bedding/backfill material shall encase the whole tank.
  - 5.5. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
  - 5.6. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.
7. Water Charged Ground
  - 7.1. Installation in areas subject to flooding & groundwater is only permitted when the level of water does not exceed the height of the middle of the tank.
  - 7.2. In areas of heavy, clay-like soils, the installation is only permitted when there is sufficient drainage underneath the body of the tank.

HALGAN ENVIRONMENTAL™ HSEPS 1500 SEPTIC TANK DIMENSIONS						
DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS						
MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT	
HSEPS1500	1550mm	1130mm	2280mm	1500L	137KG	

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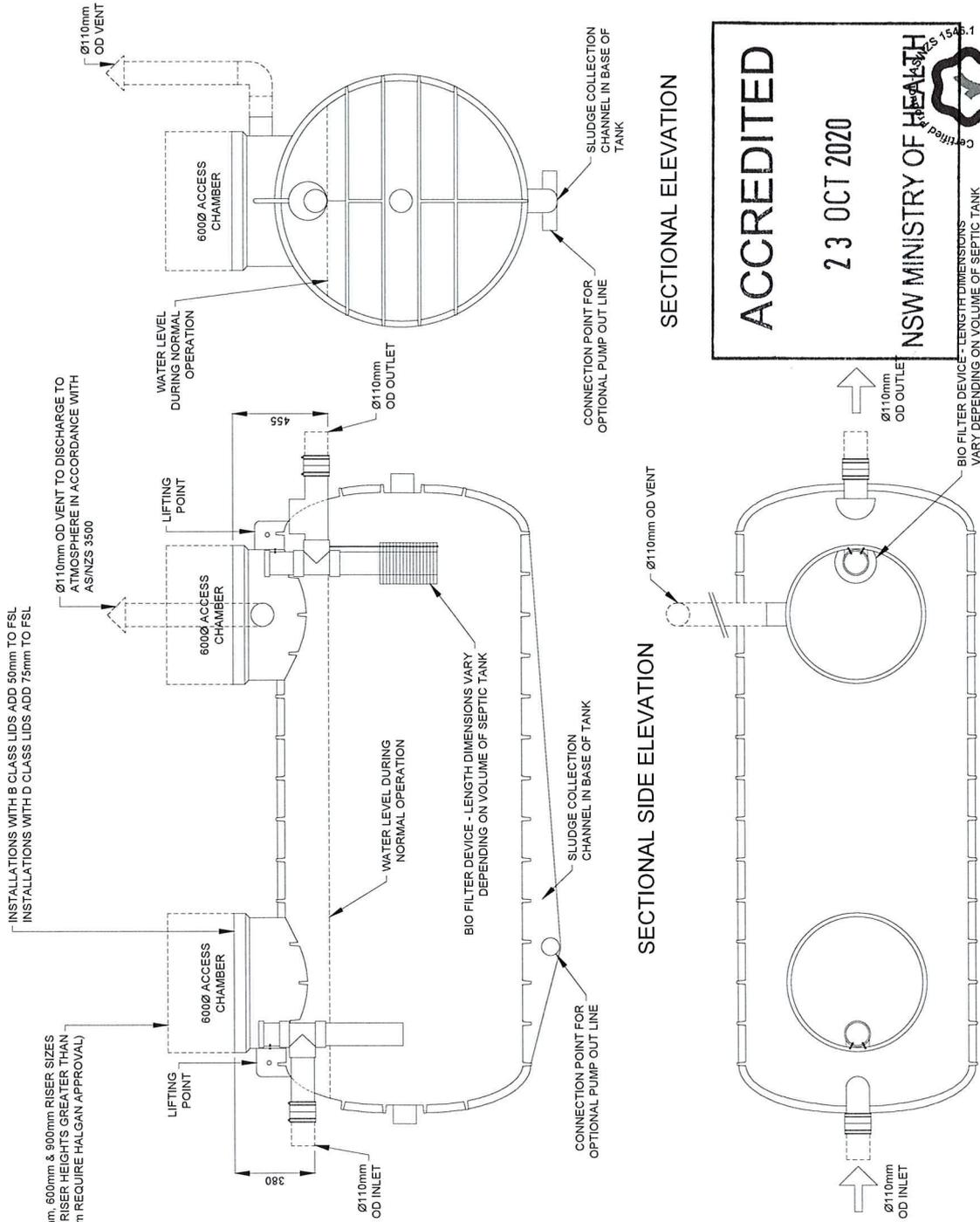
HALGAN ENVIRONMENTAL™  
HSEPS 1500 SEPTIC TANK  
DETAIL

DATE	31/07/2019
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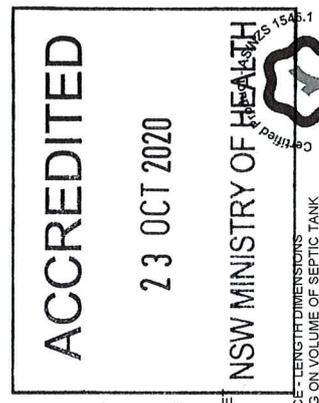
# HALGAN ENVIRONMENTAL™ HSEPS 2000 SEPTIC TANK DETAIL



PLAN VIEW

SECTIONAL SIDE ELEVATION

SECTIONAL ELEVATION



HALGAN ENVIRONMENTAL™ HSEPS 2000 SEPTIC TANK DIMENSIONS					
DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS					
MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT
HSEPS2000	1550mm	1130mm	3010mm	2000L	200KG

## Notes

1. General
  - 1.1. Tank constructed from Polyethylene.
  - 1.2. The HSEPS is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
  - 1.3. The HSEPS must have ease of access to pumpout point for maintenance.
  - 1.4. Non standard installations require Halgan approval.
2. Installation below ground
  - 2.1. All connections to the HSEPS shall be in accordance with the appropriate authorities.
  - 2.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
  - 2.3. The HSEPS must be filled with water prior to backfilling.
  - 2.4. Riser heights greater than 900mm require Halgan approval.
3. Excavation dimensions
  - 3.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
  - 3.2. 75mm clearance is required at the sides of tank.
4. Over excavation
  - 4.1. 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.
5. Bedding/Backfill
  - 5.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
  - 5.2. The bedding/backfill shall be minimum 75mm thick.
  - 5.3. The bedding/backfill shall be thoroughly compacted by tampering at 300 mm layers.
  - 5.4. The bedding/backfill material shall encase the whole tank.
  - 5.5. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
  - 5.6. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.
7. Water Charged Ground
  - 7.1. Installation in areas subject to flooding & groundwater is only permitted when the level of water does not exceed the height of the middle of the tank.
  - 7.2. In areas of heavy, clay-like soils, the installation is only permitted when there is sufficient drainage underneath the body of the tank.

INSTALLATIONS WITH B CLASS LIDS ADD 50mm TO FSL  
INSTALLATIONS WITH D CLASS LIDS ADD 75mm TO FSL

300mm, 600mm & 900mm RISER SIZES  
AVAILABLE RISER HEIGHTS GREATER THAN  
900mm REQUIRE HALGAN APPROVAL

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REV.	A

HALGAN ENVIRONMENTAL™  
HSEPS 2000 SEPTIC TANK  
DETAIL

MEASUREMENTS  
CAN VARY ± 3%

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# HALGAN ENVIRONMENTAL™ HSEPS 3000 SEPTIC TANK DETAIL

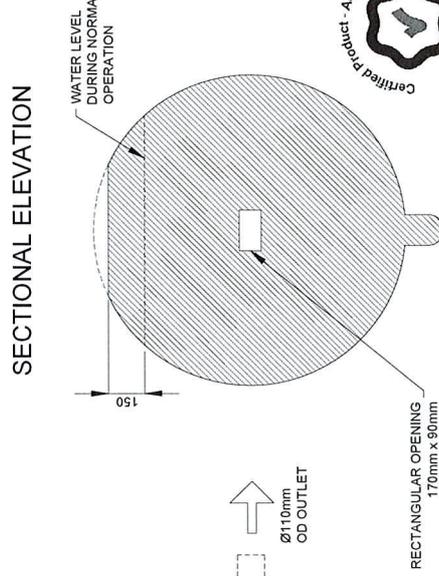
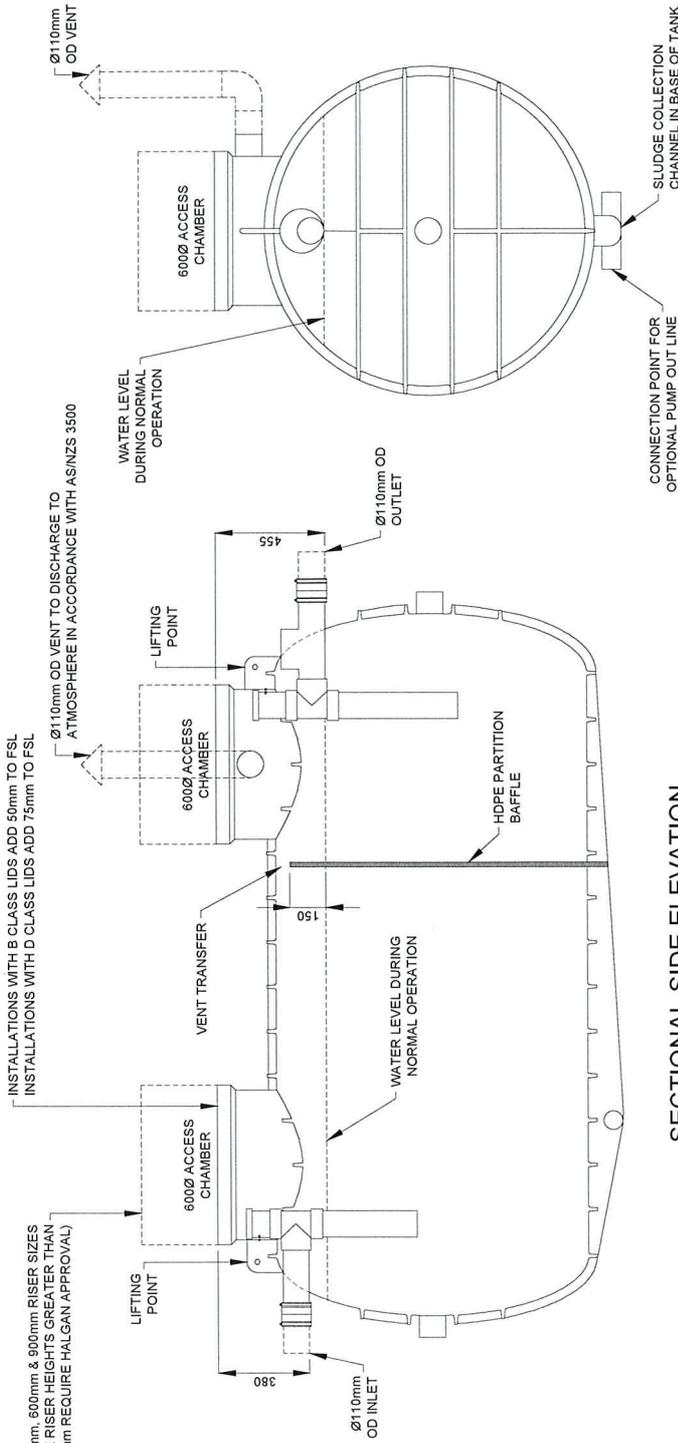
**ACCREDITED**

Notes 23 OCT 2020

1. General
- 1.1. Tank constructed from Polyethylene.
- 1.2. The HSEPS must be installed with a lifting point because NSW MINISTERS OF HERITAGE AND CULTURE have advised that it may be damaged by vehicles.
- 1.3. The HSEPS must have ease of access to pump-out point for maintenance.
- 1.4. Non standard installations require Halgan approval.
2. Installation below ground
  - 2.1. All connections to the HSEPS shall be in accordance with the appropriate authorities.
  - 2.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
- 2.3. The HSEPS must be filled with water prior to backfilling.
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4. Over excavation
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5. Bedding/Backfill
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7. Water Charged Ground
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300mm, 600mm & 900mm RISER SIZES AVAILABLE RISER HEIGHTS GREATER THAN 900mm REQUIRE HALGAN APPROVAL

INSTALLATIONS WITH B CLASS LIDS ADD 50mm TO FSL INSTALLATIONS WITH D CLASS LIDS ADD 75mm TO FSL



HALGAN ENVIRONMENTAL™ HSEPS 3000 SEPTIC TANK DIMENSIONS					
DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS					
MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT
HSEP-S3000	1880mm	1365mm	3055mm	3000L	260KG

DESIGN	JV	DATE	01/08/2019
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PROJECT NO.	HSEPS3000		

MEASUREMENTS CAN VARY ± 3%

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HALGAN ENVIRONMENTAL™  
 HSEPS 3000 SEPTIC TANK  
 DETAIL

# HALGAN ENVIRONMENTAL™ HSEPS 4000 SEPTIC TANK DETAIL

**ACCREDITED**

23 OCT 2020

**Notes**

**1. General**

- 1.1. The HSEPS is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
- 1.2. The HSEPS must have ease of access to pumpout point for maintenance.
- 1.3. Non standard installations require Halgan approval.
- 1.4. All connections to the HSEPS shall be in accordance with the appropriate authorities.

**2. Installation**

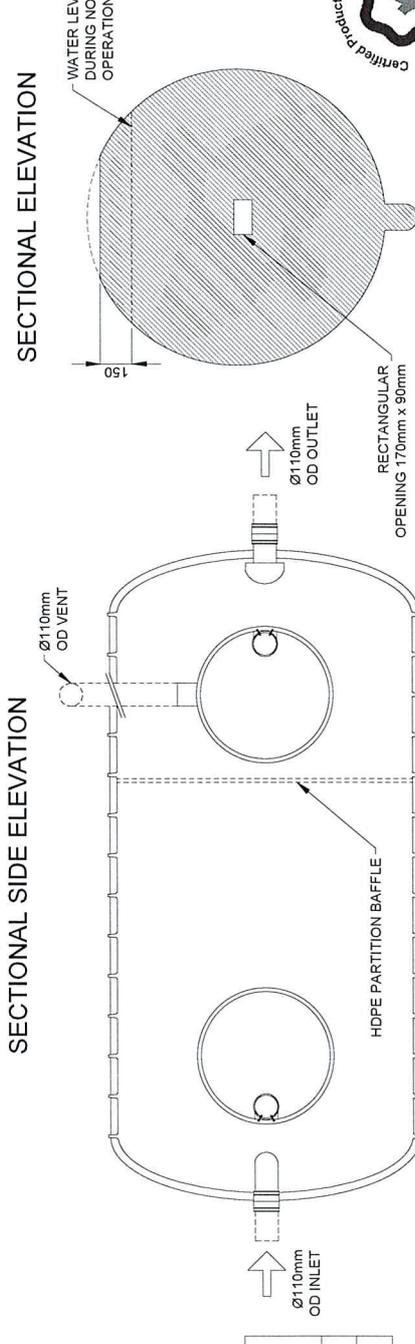
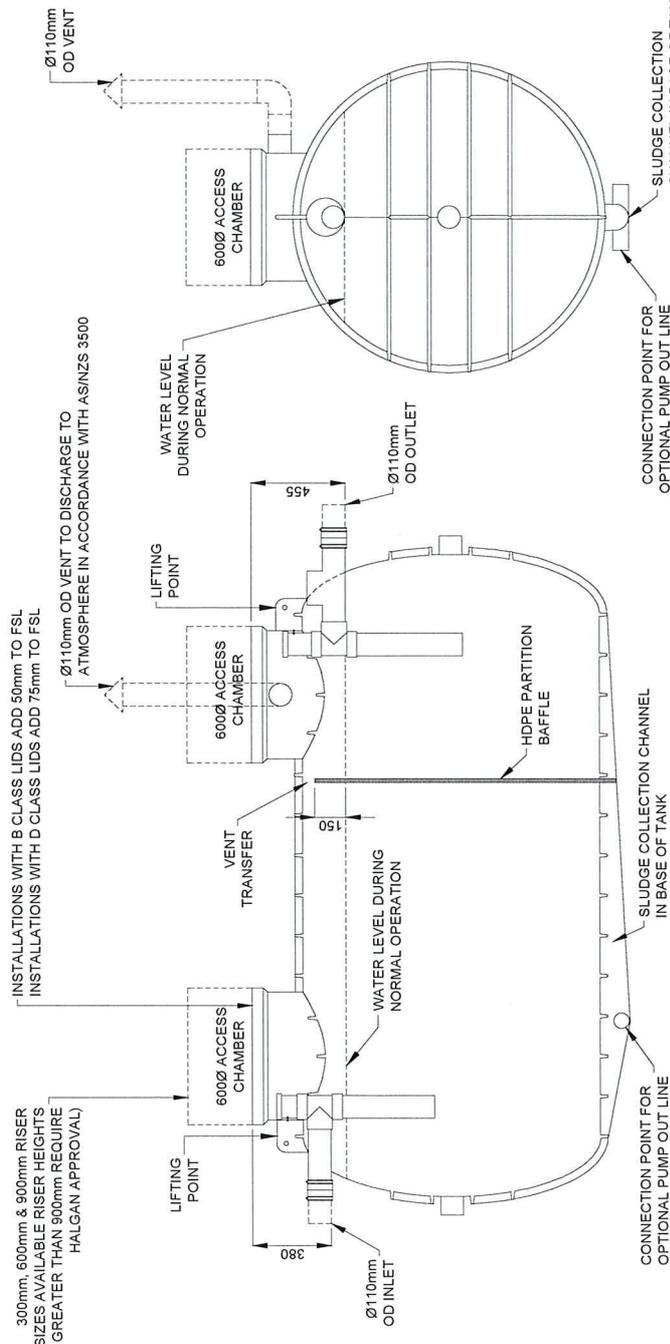
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- 3.2. 75mm clearance is required at the sides of tank.
- 3.3. Where an excavation has been made deeper than required, the excess depth shall be filled either with 4:1 sand cement compacted to achieve 98% compaction or concrete.

**4. Bedding/Backfill**

- 4.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
- 4.2. The bedding/backfill shall be minimum 75mm thick.
- 4.3. The bedding/backfill shall be thoroughly compacted by tamping at 300 mm layers.
- 4.4. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
- 4.5. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.

**5. Water Charged Ground**

- 5.1. Installation in areas subject to flooding & groundwater is only permitted when the level of water does not exceed the height of the middle of the tank.
- 5.2. In areas of heavy, clay-like soils, the installation is only permitted when there is sufficient drainage underneath the body of the tank.



**HALGAN ENVIRONMENTAL™ HSEPS 4000 SEPTIC TANK DETAIL**

**MEASUREMENTS CAN VARY ± 3%**

**HALGAN ENVIRONMENTAL™ HSEPS 4000 SEPTIC TANK DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS**

MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT
HSEPS4000	1825mm	1510mm	3250mm	4000L	310KG

REV	DATE	DETAIL DESIGN	DESCRIPTION	BY	CHKD	APP
A	01/02/19			JV	K	RM

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A	01/08/2019	1:35	JV	JC	RM

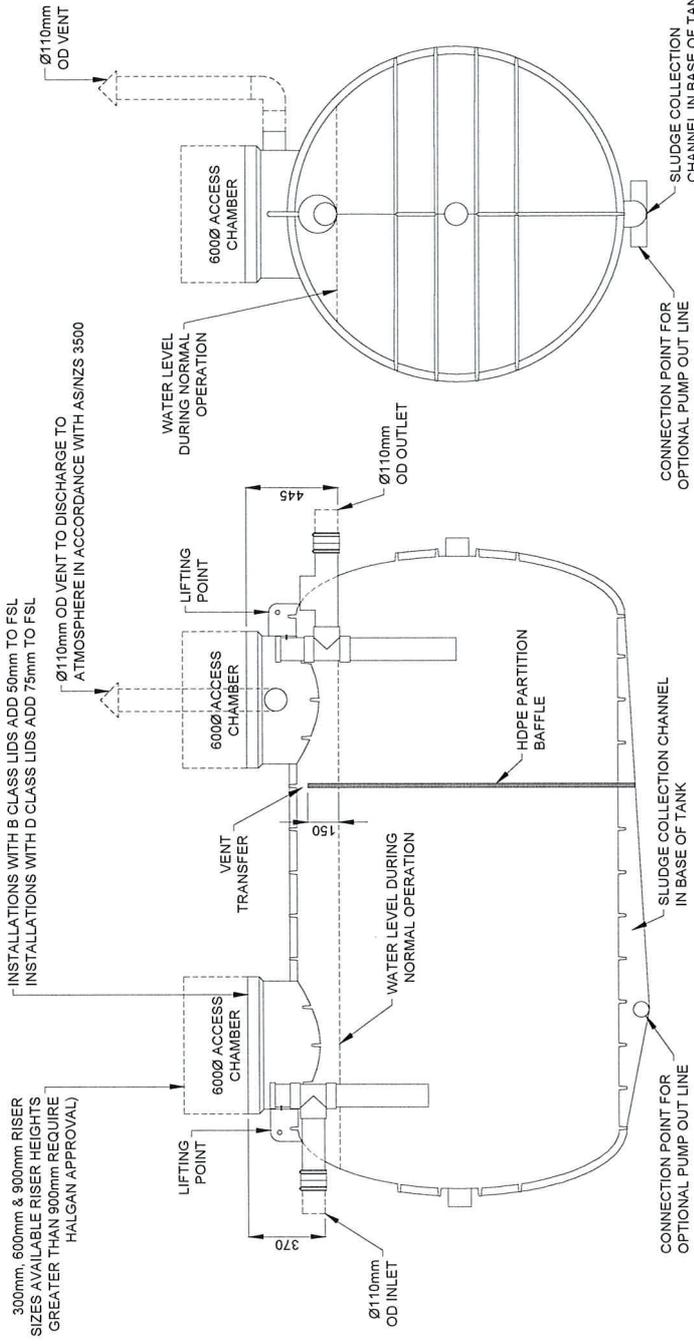
HALGAN ENVIRONMENTAL™ HSEPS4000  
Global-Mark.com.au  
1800 880 923



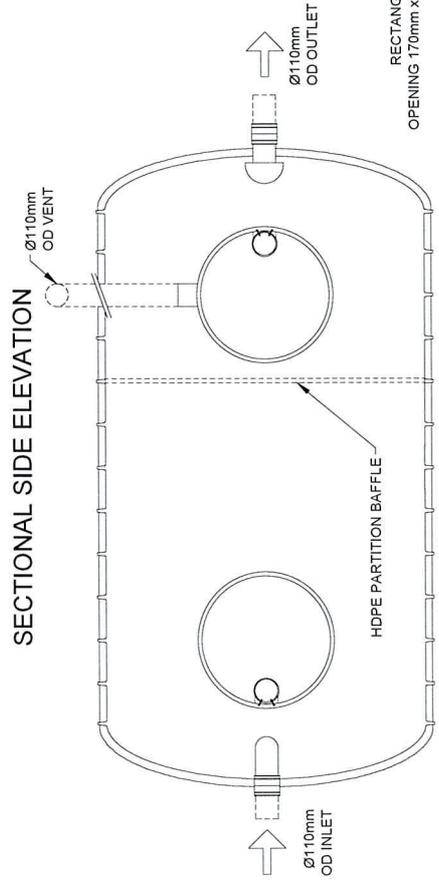
**ENVIRONMENTAL™ HSEPS 5000 SEPTIC TANK DETAIL**

300mm, 600mm & 900mm RISER SIZES AVAILABLE RISER HEIGHTS GREATER THAN 900mm REQUIRE HALGAN APPROVAL

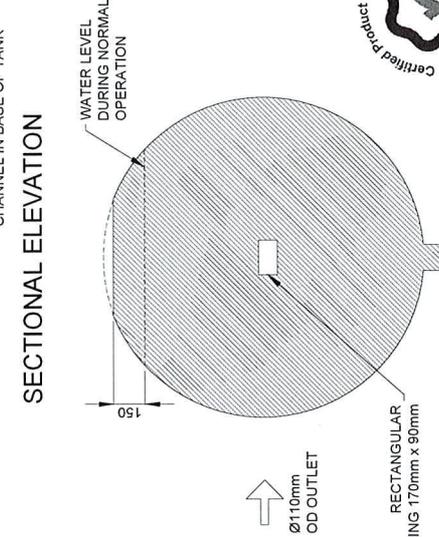
INSTALLATIONS WITH B CLASS LIDS ADD 50mm TO FSL  
INSTALLATIONS WITH D CLASS LIDS ADD 75mm TO FSL



**SECTIONAL SIDE ELEVATION**



**SECTIONAL ELEVATION**



**PLAN VIEW**



**HDPE PARTITION BAFFLE DETAIL**



**Notes**

1. General
  - 1.1. Tank constructed from Polyethylene.
  - 1.2. The HSEPS is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
  - 1.3. The HSEPS must have ease of access to pumpout point for maintenance.
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**HALGAN ENVIRONMENTAL™ HSEPS 5000 SEPTIC TANK DIMENSIONS**

DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS

MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT
HSEPS5000	1940mm	1625mm	3200mm	5000L	350KG

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www.halganenvironmental.com.au

MEASUREMENTS CAN VARY ± 3%

**HALGAN ENVIRONMENTAL™ HSEPS 5000 SEPTIC TANK DETAIL**



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© Number: 10086

DATE	01.08.2019
DRAWN	JV
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SCALE	1:35
REV.	A4
DRAWING NO.	HSEPS5000
REV.	A

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A	01/08/2019	DETAIL DESIGN	JV	K	WH