

Septic Tanks



Ri-Industries



Ri-Industries has been manufacturing septic tanks since 1947 and has developed efficient techniques to produce high-quality tanks built to last.

ri-industries.com.au

Septic Tanks

Benefits of a Ri-Industries septic tank

A septic tank from Ri-Industries offers several benefits:

- Engineer-designed and built using precision steel moulds
- Constructed with 40 MPa concrete for superior strength and durability
- Sealed internal joints to minimise the risk of leaks
- Available in a range of sizes to suit various needs
- Child-proof and vandal-proof lids for added safety and peace of mind

Installation and maintenance

The installation and design of septic systems are regulated by SA Health. Local Council Environmental Health Officers can provide area-specific information.

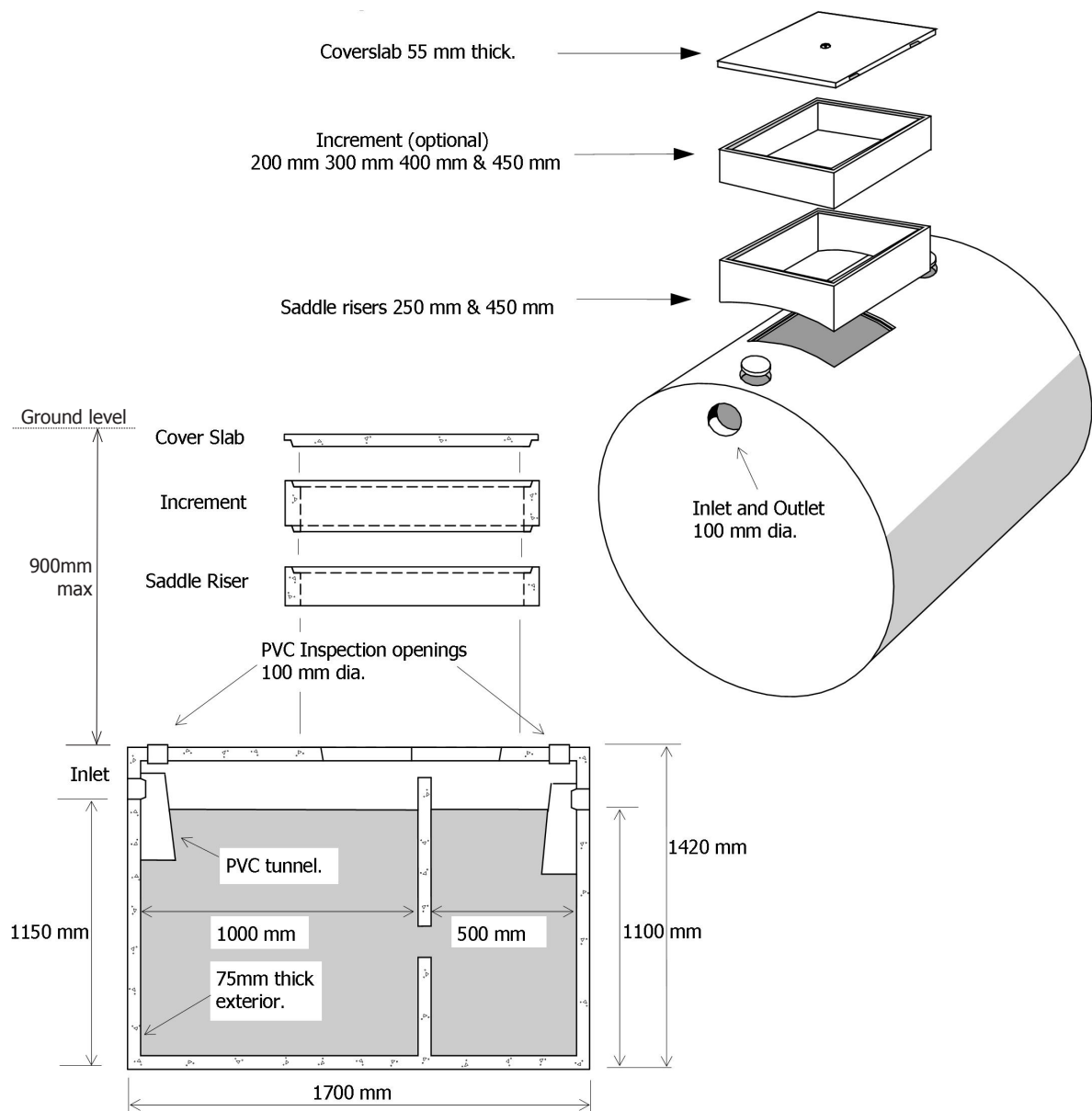
To keep the septic tank fresh and operating correctly:

- For an average family of 4-6 people, the septic tank may need to be de-sludged approximately every 4 years or as required by the Council.
- Materials that do not break down, such as plastic bags, tampons, disposable nappies, and condoms, must NOT be disposed of in the septic system. Biodegradable products should be used whenever possible. The bacterial action in septic tanks can be severely inhibited by excessive amounts of disinfectants or old medicines entering the tank. Only use products approved for septic systems.
- Pooling of effluent near the soakage trench may indicate that the system is clogging. If this occurs, contact your local liquid waste disposal contractor to empty the system.

Septic Tank

1,620 litre

Item	Approx mass
1,620 litre septic tank	1,875kg

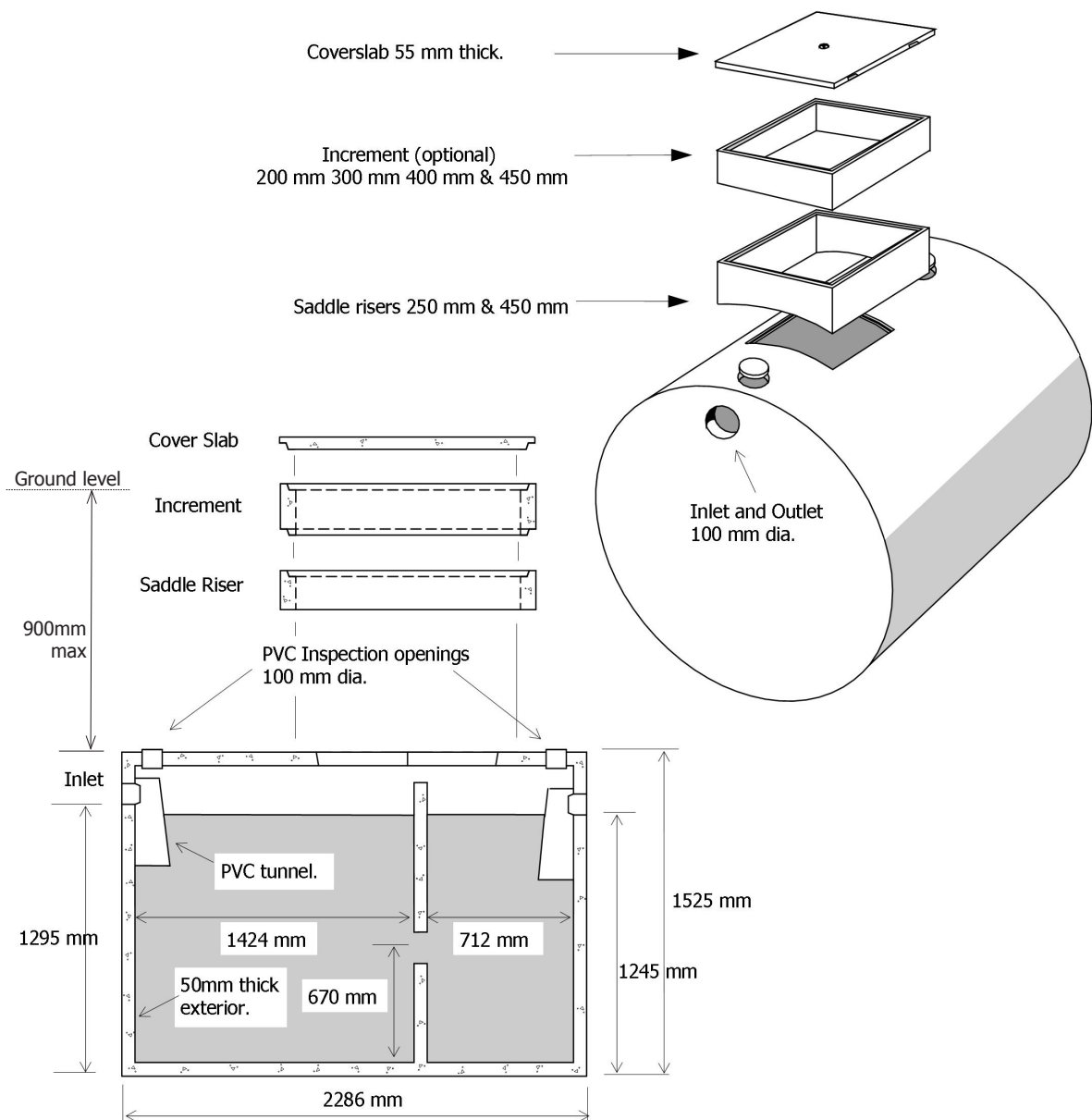


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Septic Tank

3,000 litre, 50mm wall

Item	Approx mass
3,000 litre septic tank (50mm wall)	2,000kg

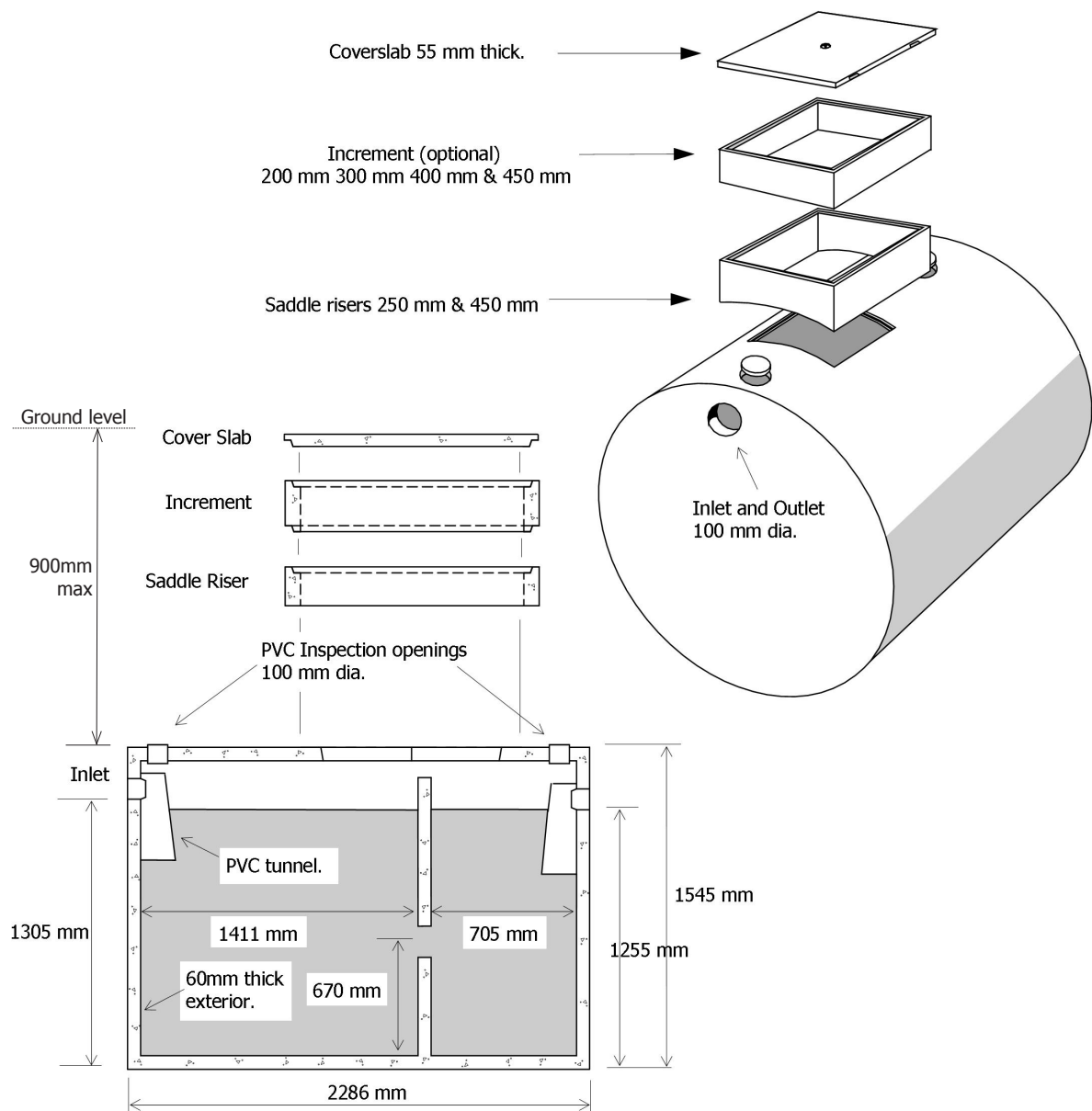


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Septic Tank

3,000 litre, 60mm wall

Item	Approx mass
3,000 litre septic tank (60mm wall)	2,300kg

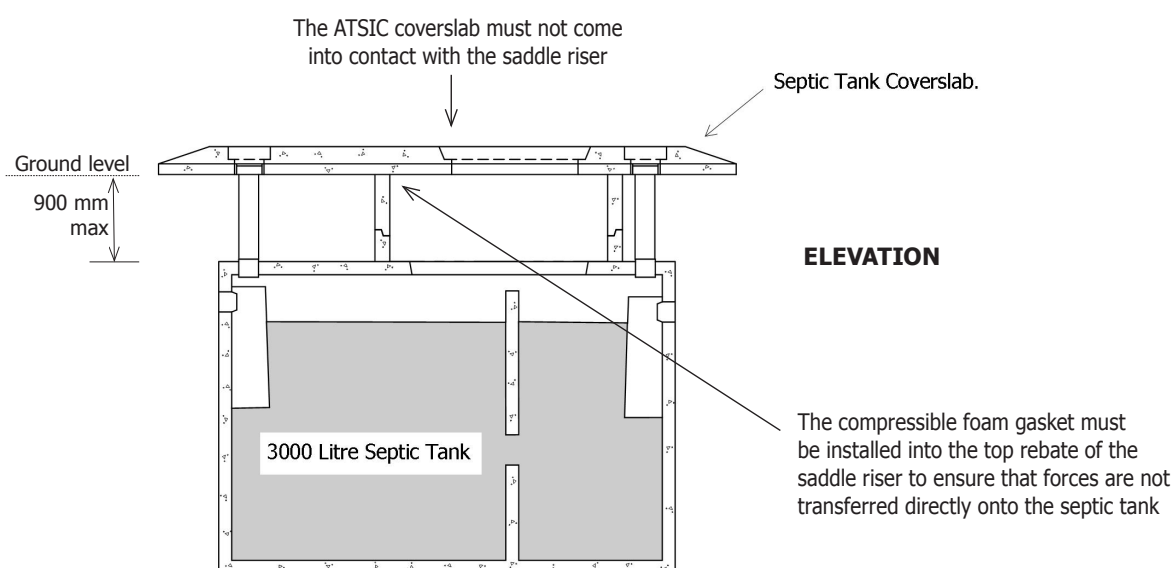
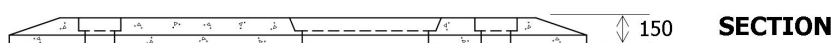
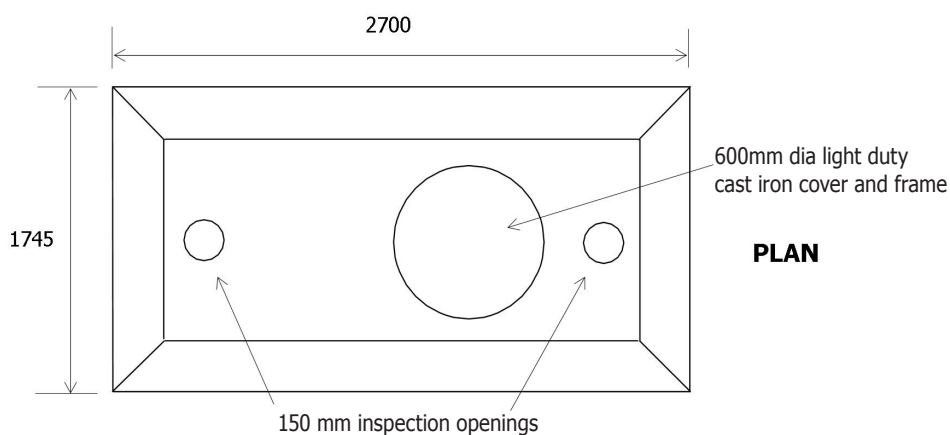


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

ATSIC Coverslab

3,000 litre septic tank

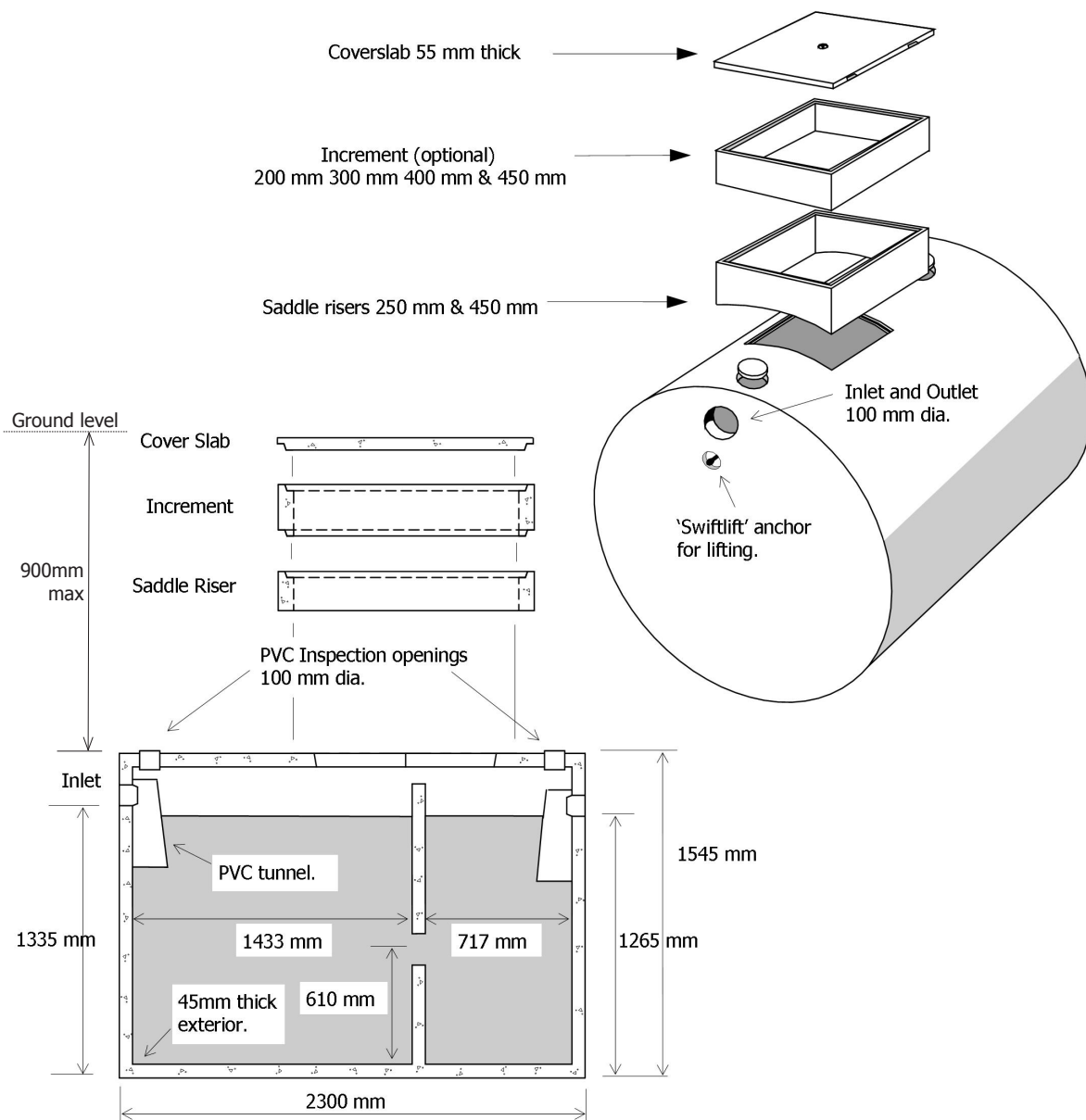
Item	Approx mass
Septic tank coverslab	1,800kg
Product information - Class B - light duty unit for use in areas accessible only by cars and light 4WD vehicles with a gross maximum mass of 2670kg - Designed to span across the saddle riser bearing onto the ground each side of it	



Septic Tank

3,250 litre

Item	Approx mass
3,250 litre septic tank	2,140kg

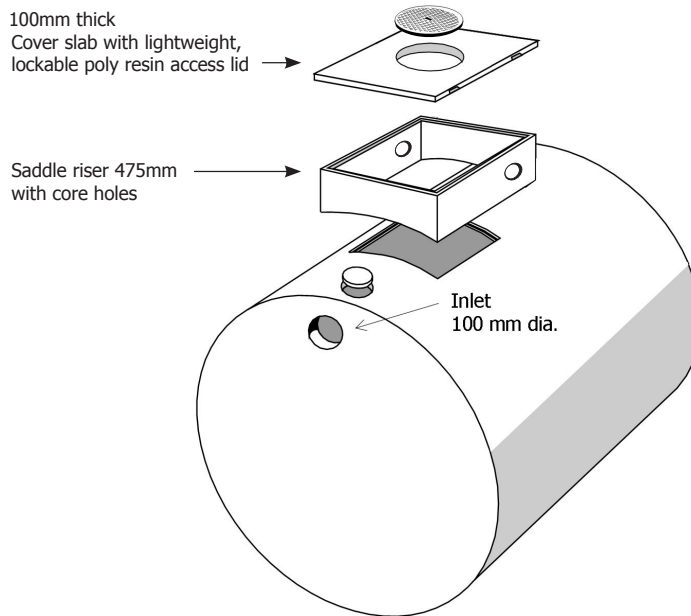


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

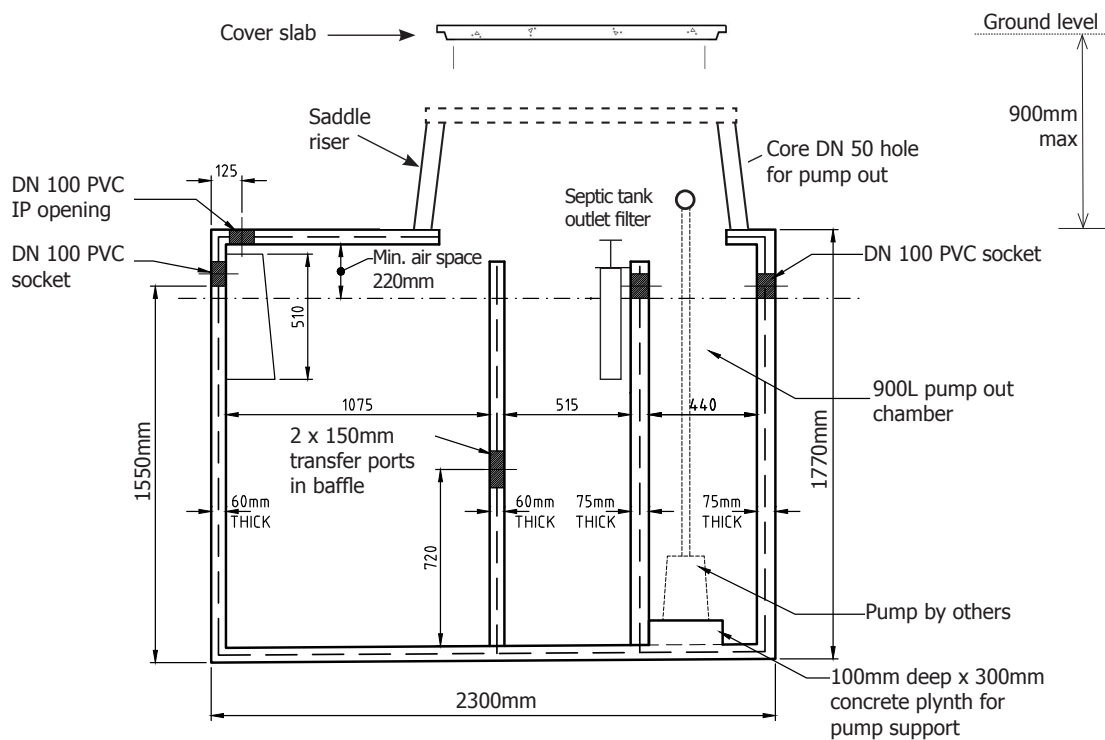
Ri-Scape Tank

3,300 litre with 900L pump chamber

Item	Approx mass
3,300 litre Ri-Scape tank	3,200kg



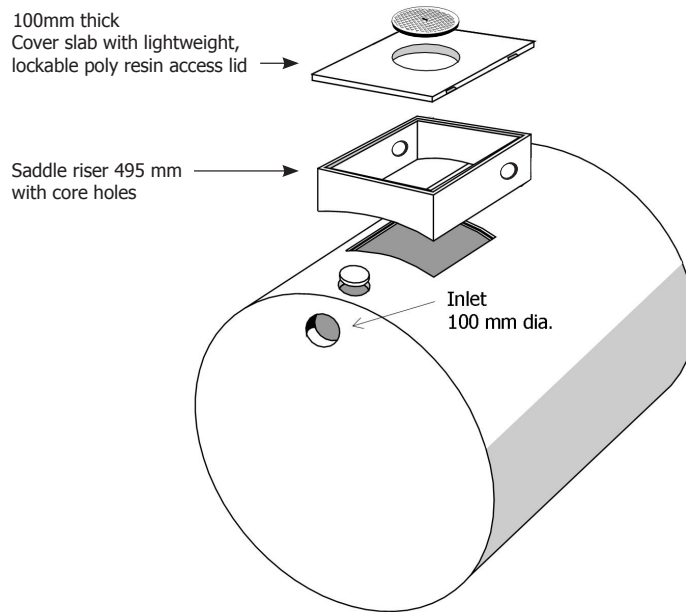
The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.



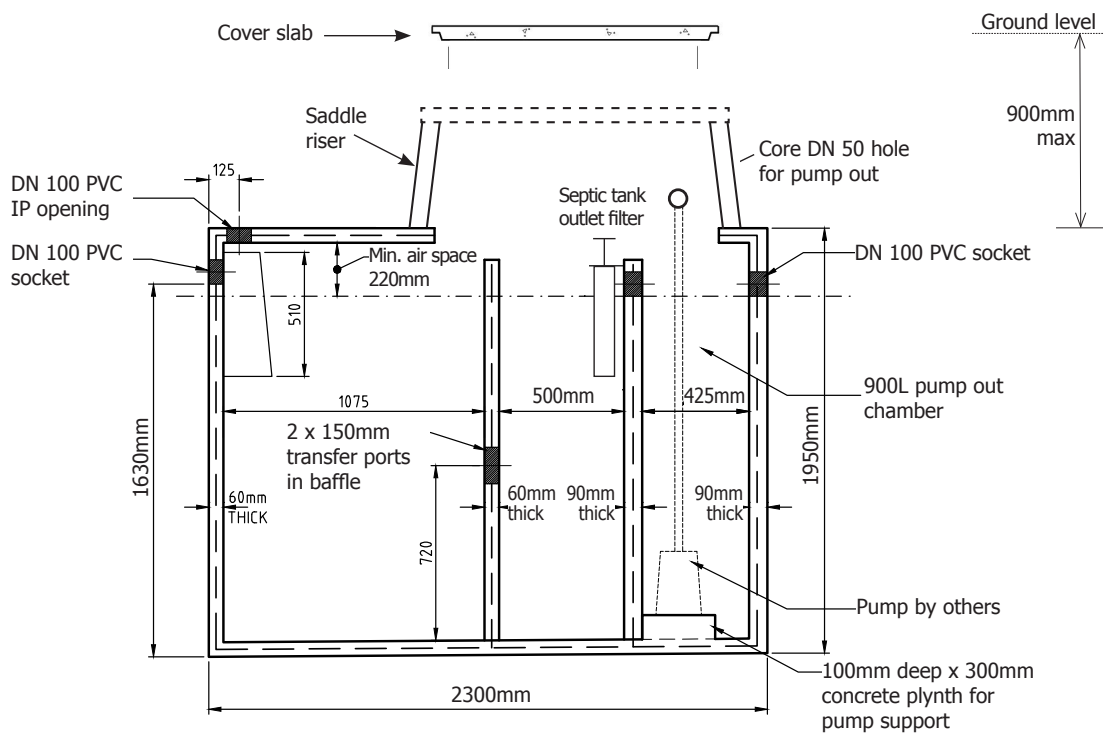
Ri-Scape Tank

4,000 litre with 900L pump chamber

Item	Approx mass
4,000 litre Ri-Scape tank	3,700kg



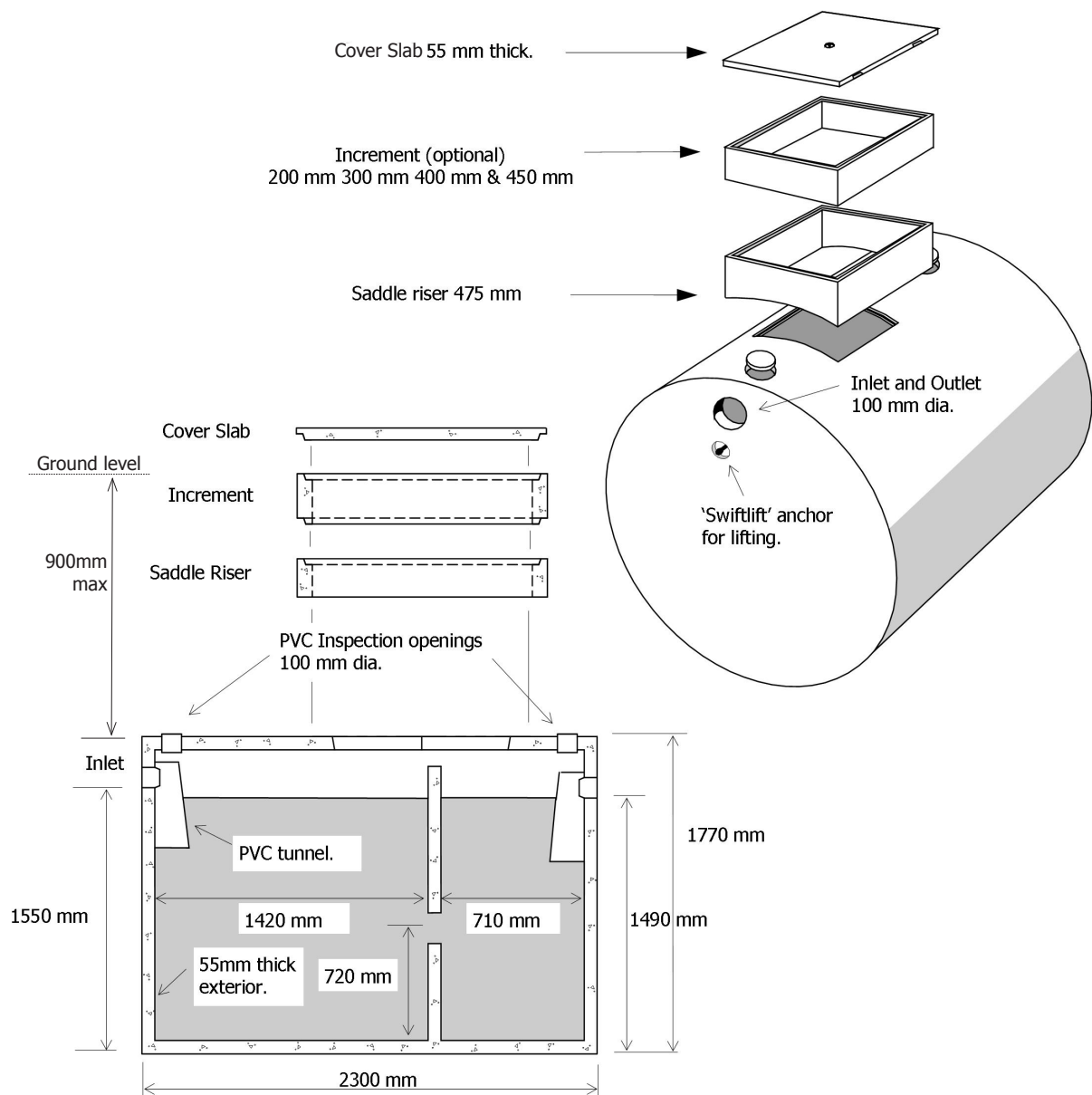
The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.



Septic Tank

4,300 litre

Item	Approx mass
4,300 litre septic tank	2,700kg

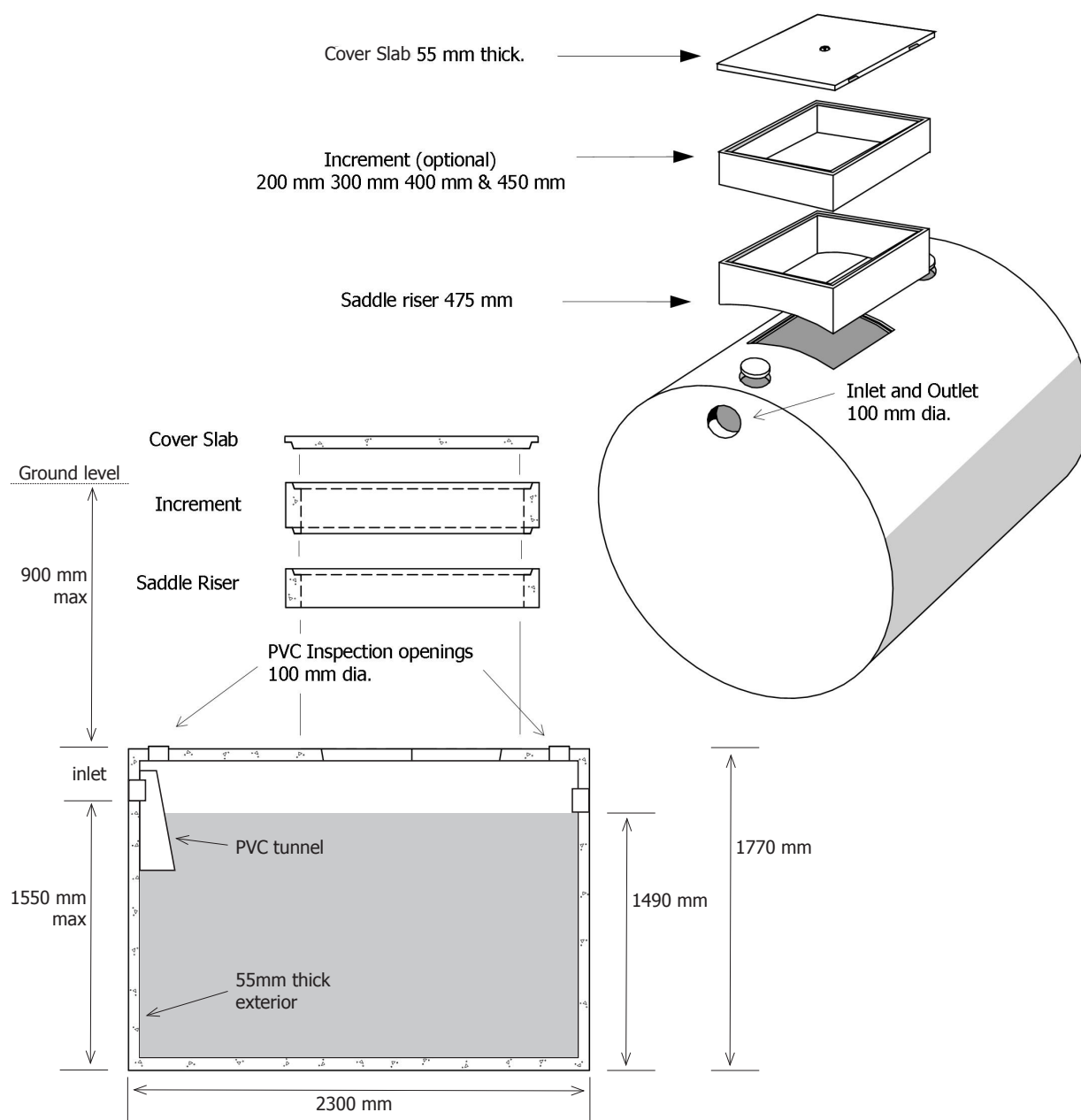


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Holding Tank

4,300 litre

Item	Approx mass
4,300 litre holding tank	2,200kg

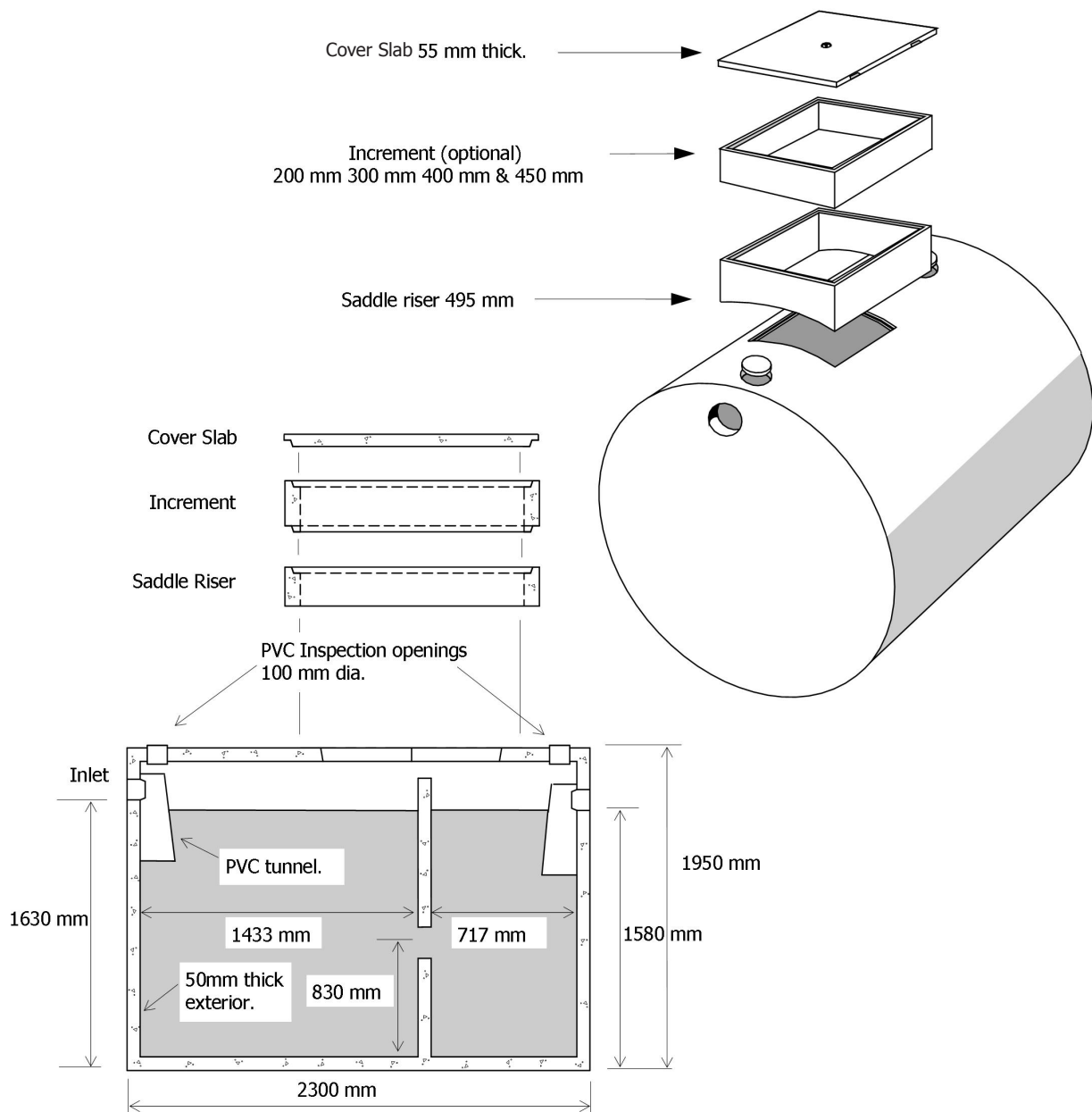


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Septic Tank

5,000 litre

Item	Approx mass
5,000 litre septic tank	3,000kg

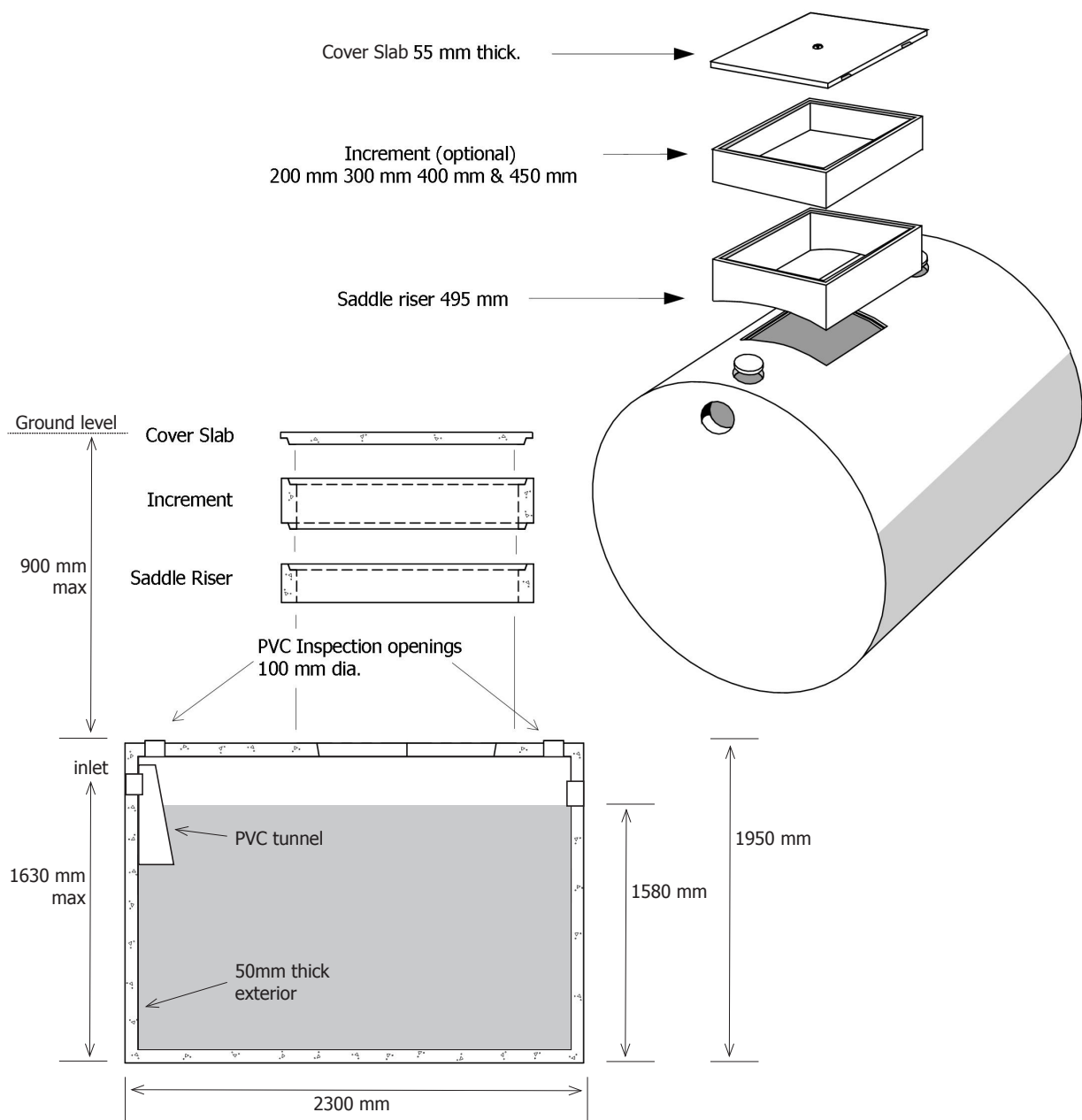


The tanks have been designed to be buried with the top of the tank located 900mm maximum below ground level and with the cover slab at ground level.

Holding Tank

5,000 litre

Item	Approx mass
5,000 litre holding tank	2,700kg



The tanks have been designed to be buried with the top of the tank located 900 mm maximum below ground level and with the cover slab at ground level.

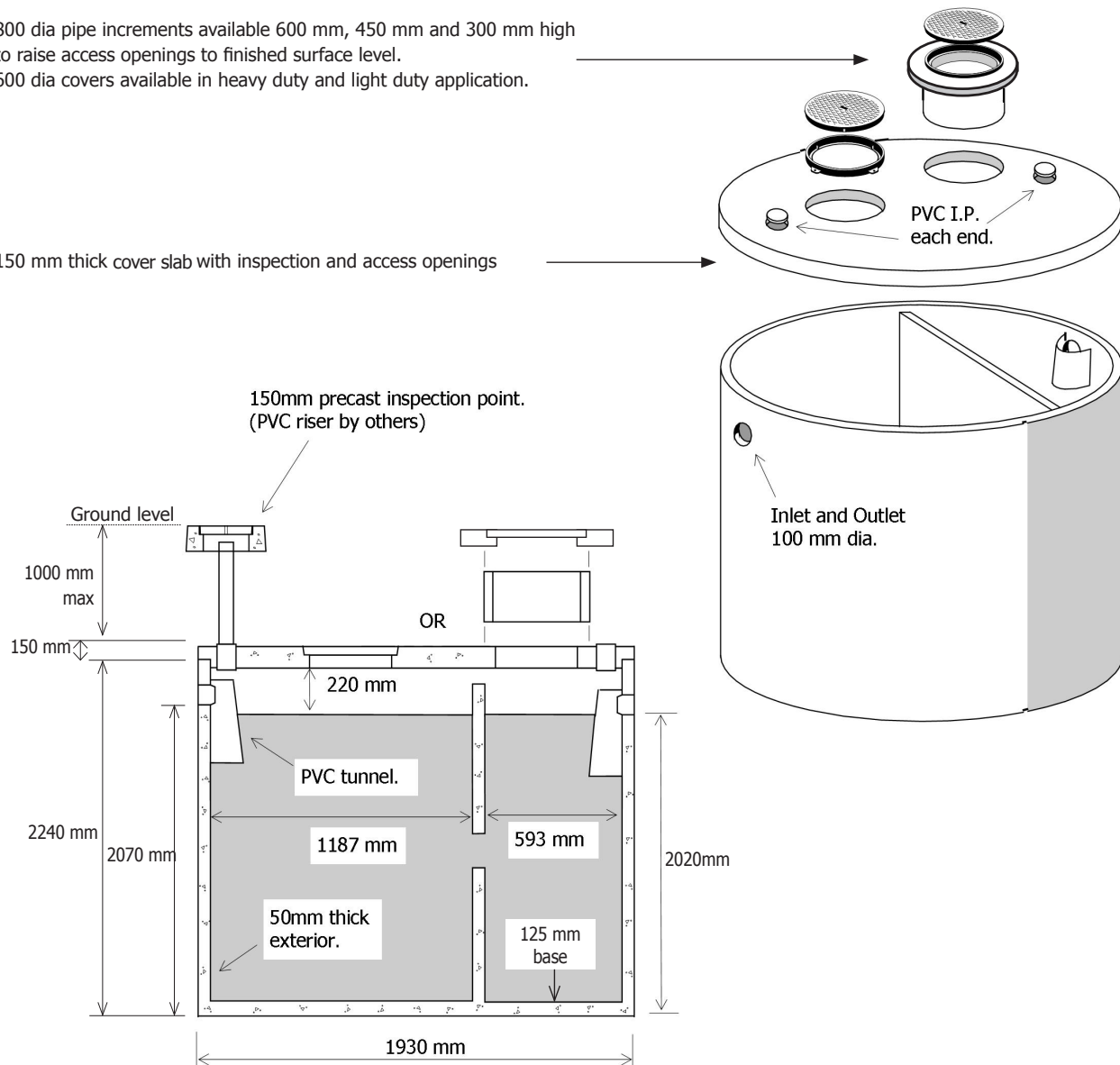
Non-trafficable Vertical Septic Tank

5,000 litre

Item	Approx mass
5,000 litre vertical septic tank base with baffle	3,500kg
5,000 litre vertical septic tank lid	1,200kg

800 dia pipe increments available 600 mm, 450 mm and 300 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty and light duty application.

150 mm thick cover slab with inspection and access openings



The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

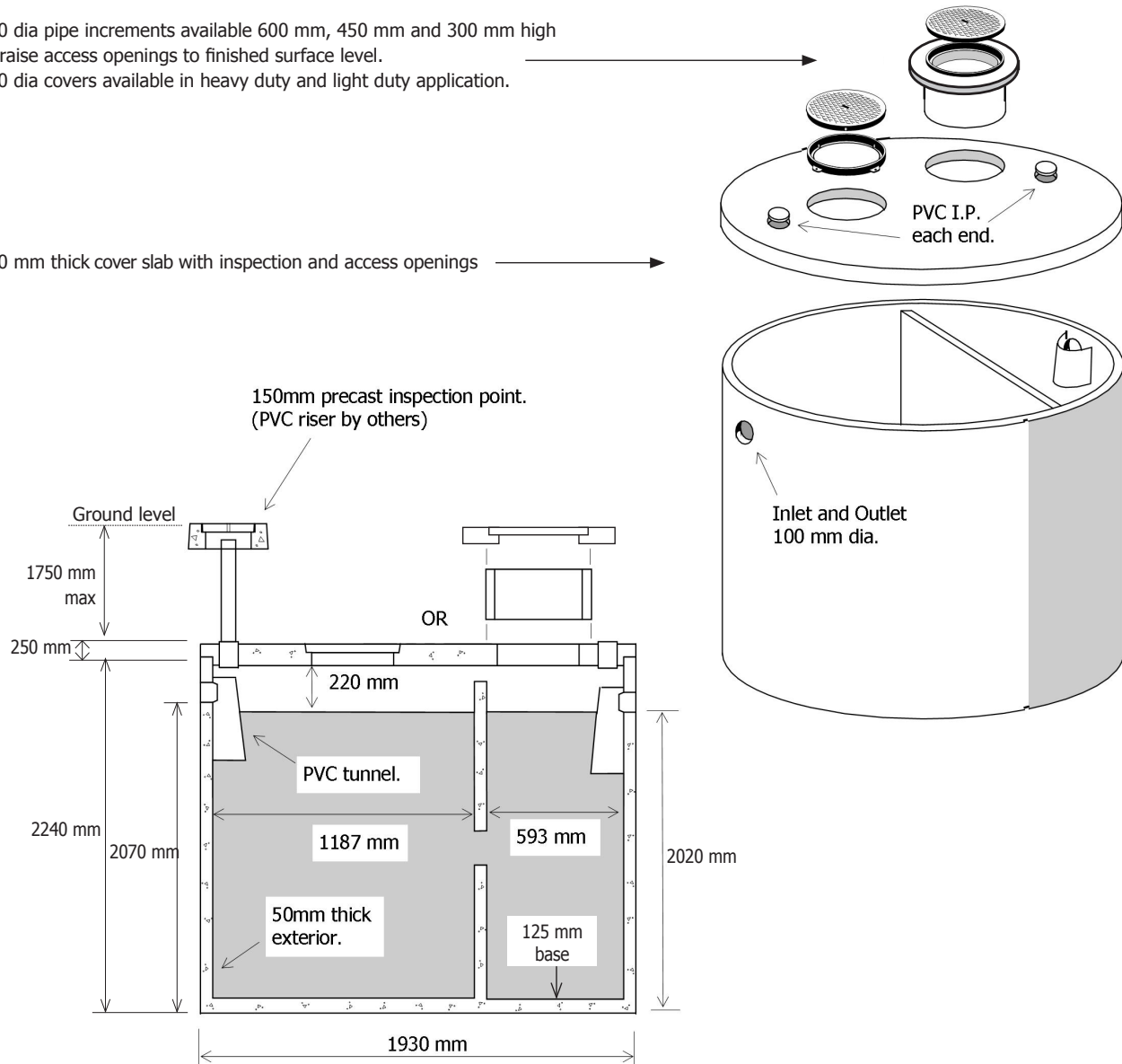
Trafficable Vertical Septic Tank

5,000 litre

Item	Approx mass
5,000 litre vertical septic tank base with baffle	3,500kg
5,000 litre vertical septic tank lid	2,000kg

800 dia pipe increments available 600 mm, 450 mm and 300 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty and light duty application.

250 mm thick cover slab with inspection and access openings



The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

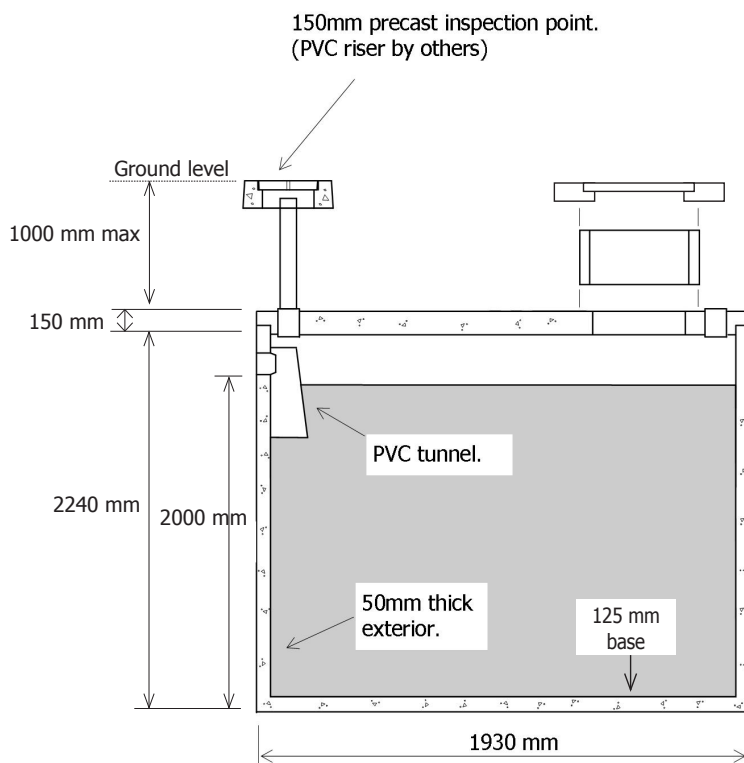
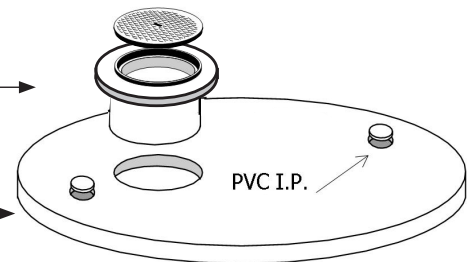
Non-trafficable Vertical Holding Tank

5,000 litre

Item	Approx mass
5,000 litre vertical holding tank base	3,000kg
5,000 litre vertical holding tank lid	1,100kg

800 dia pipe increments available 600 mm, 450 mm and 300 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty and light duty application.

150 mm thick cover slab with inspection and access openings



The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

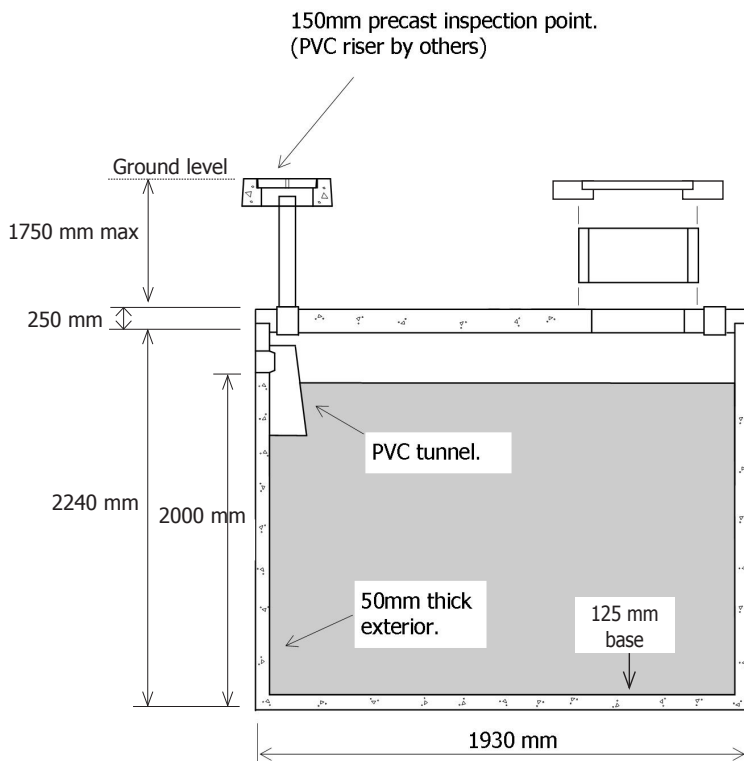
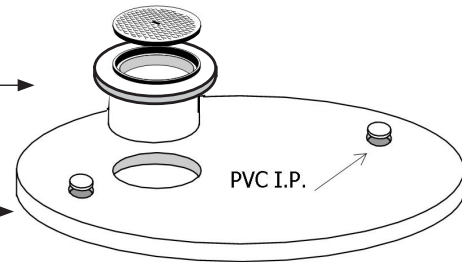
Trafficable Vertical Holding Tank

5,000 litre

Item	Approx mass
5,000 litre vertical holding tank base	3,000kg
5,000 litre vertical holding tank lid	1,850kg

800 dia pipe increments available 600 mm, 450 mm and 300 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty and light duty application.

250 mm thick cover slab with inspection and access openings



The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

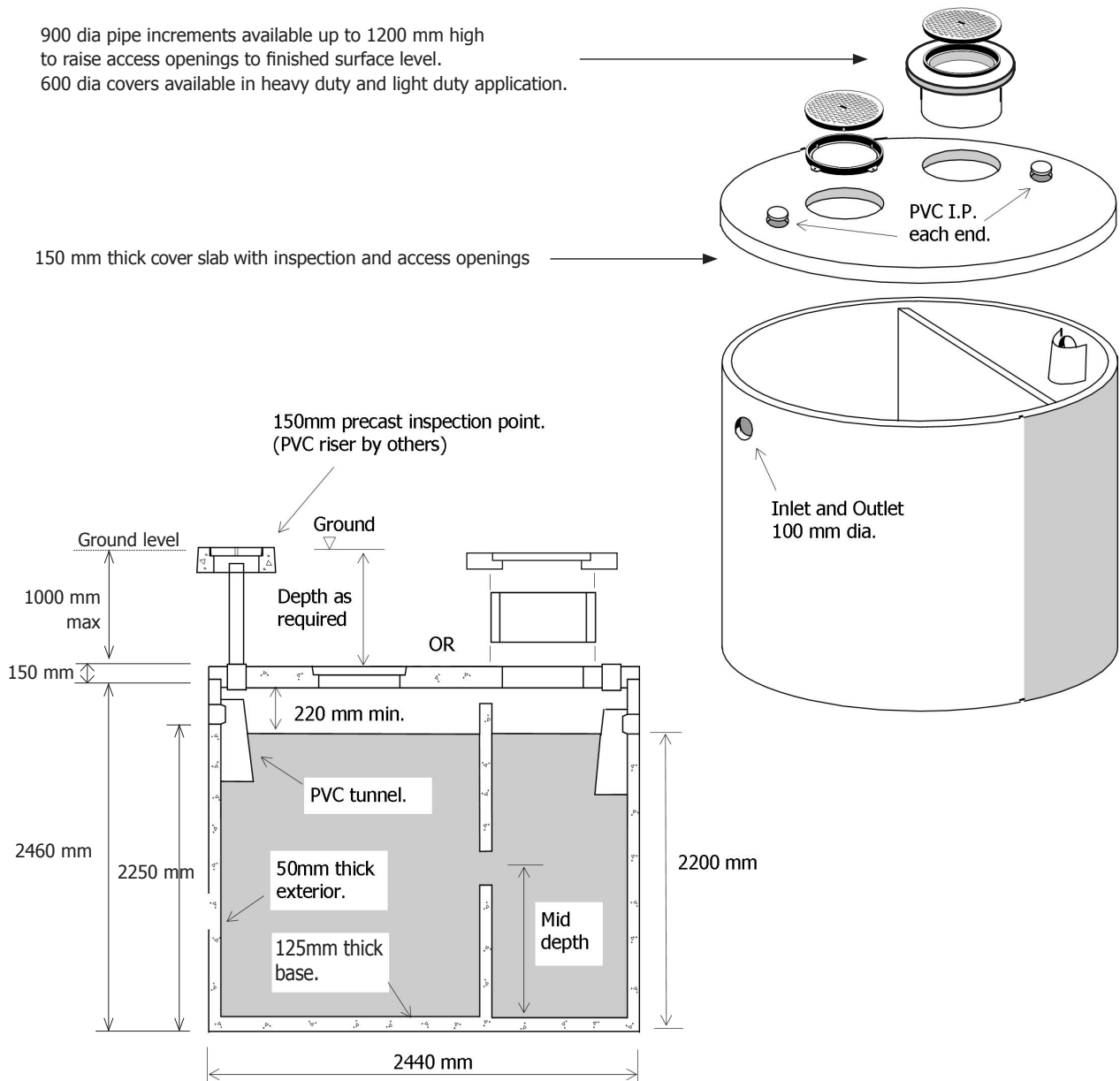
Non-trafficable Septic Tank

8,000 litre

Item	Approx mass
8,000 litre vertical septic tank base with baffle	4,850kg
8,000 litre vertical septic tank lid	1,800kg

900 dia pipe increments available up to 1200 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty and light duty application.

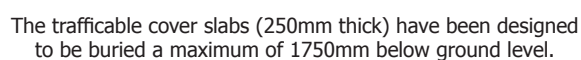
150 mm thick cover slab with inspection and access openings



The non-trafficable cover slabs (150mm thick) have been designed to be buried a maximum of 1000mm below ground level.

8,000 litre

900 dia pipe increments available up to 1200 mm high
to raise access openings to finished surface level.
600 dia covers available in heavy duty and light duty application.

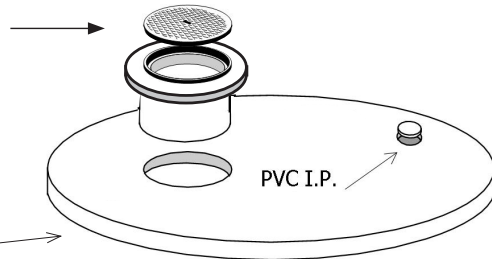


Non-Trafficable Vertical Holding Tank

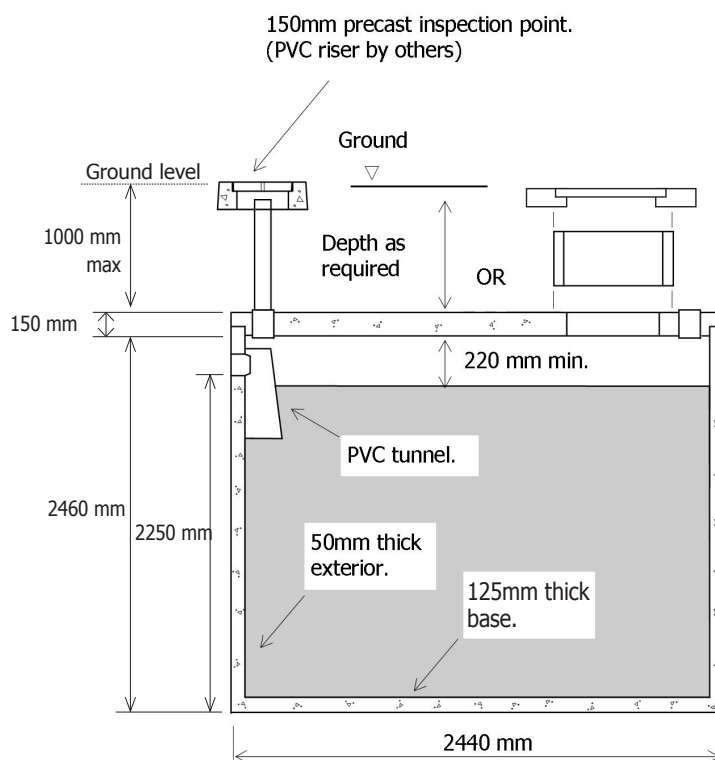
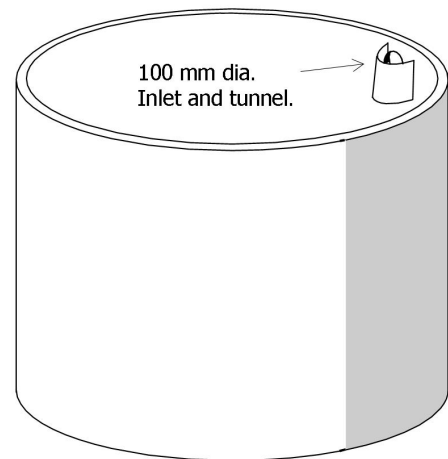
8,000 litre

Item	Approx mass
8,000 litre vertical holding tank base	4,000kg
8,000 litre vertical holding tank lid	1,800kg

900 dia pipe increments available up to 1200 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty & light duty application.



150 mm thick cover slab with inspection and access openings.



The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

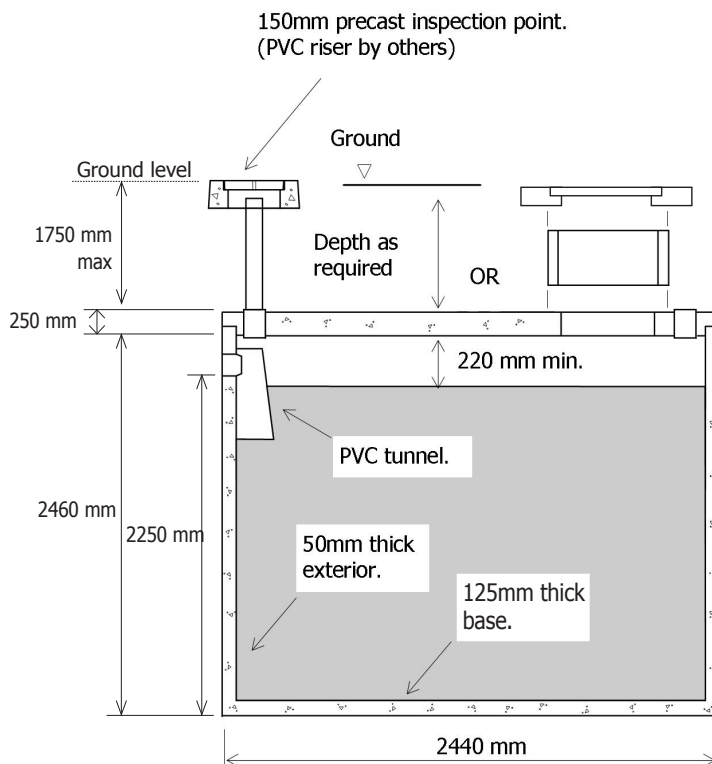
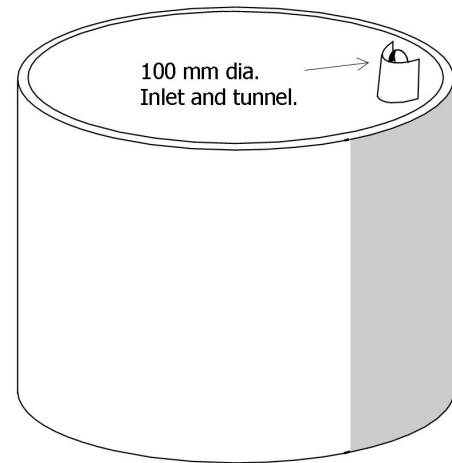
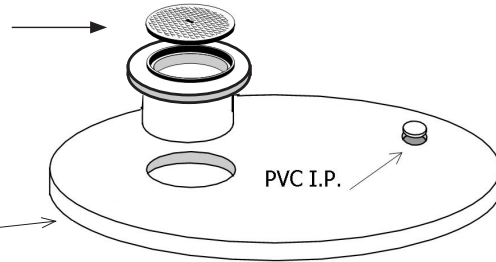
Trafficable Vertical Holding Tank

8,000 litre

Item	Approx mass
8,000 litre vertical holding tank base	4,000kg
8,000 litre vertical holding tank lid	2,900kg

900 dia pipe increments available up to 1200 mm high to raise access openings to finished surface level.
600 dia covers available in heavy duty & light duty application.

250 mm thick cover slab with inspection and access openings.

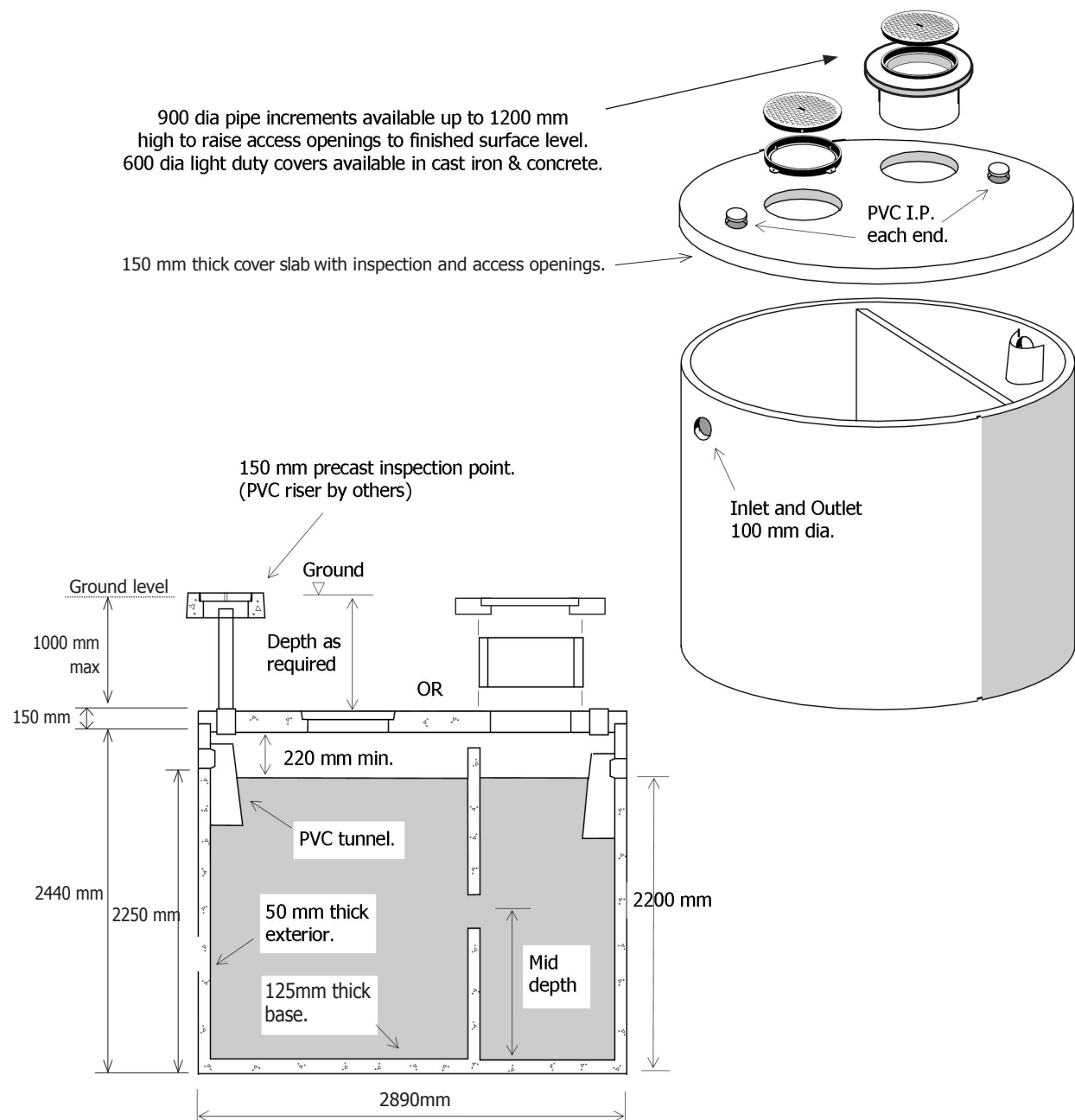


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-trafficable Septic Tank

12,000 litre

Item	Approx mass
12,000 litre vertical septic tank base with baffle	6,300kg
12,000 litre vertical septic tank lid	2,500kg

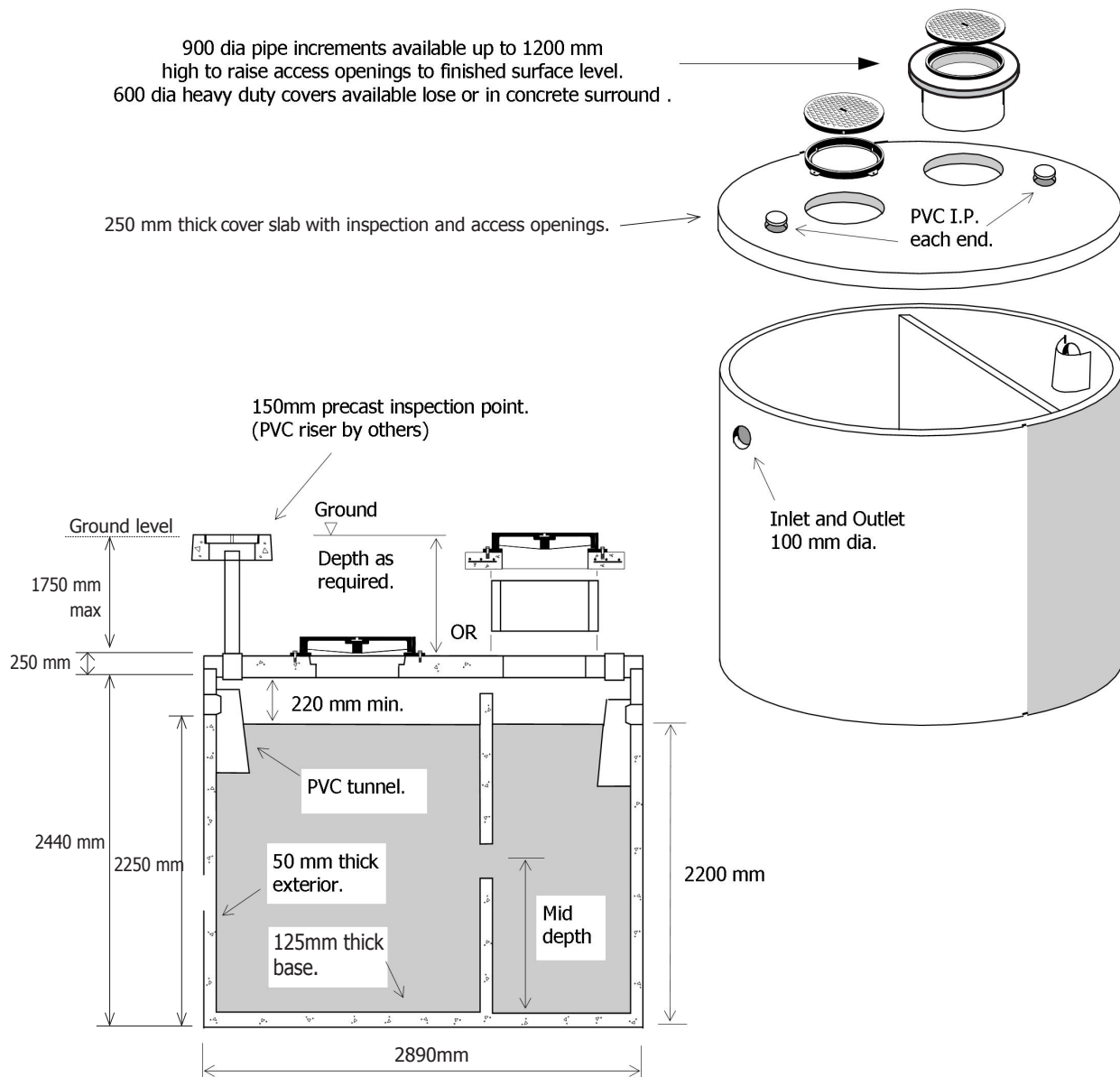


The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Septic Tank

12,000 litre

Item	Approx mass
12,000 litre vertical septic tank base with baffle	6,300kg
12,000 litre vertical septic tank lid	3,850kg

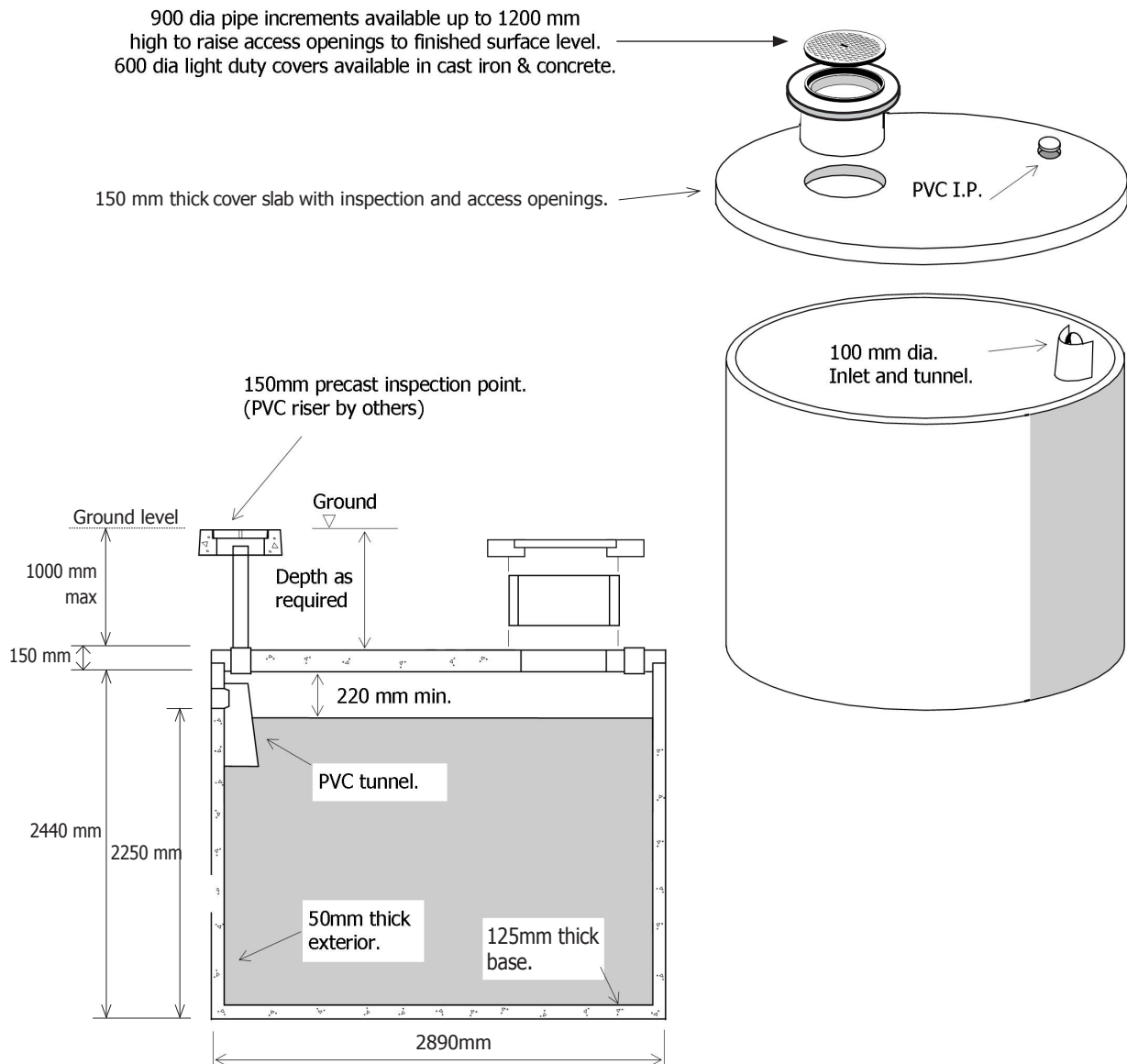


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-Trafficable Vertical Holding Tank

12,000 litre

Item	Approx mass
12,000 litre vertical holding tank base	5,300kg
12,000 litre vertical holding tank lid	2,450kg

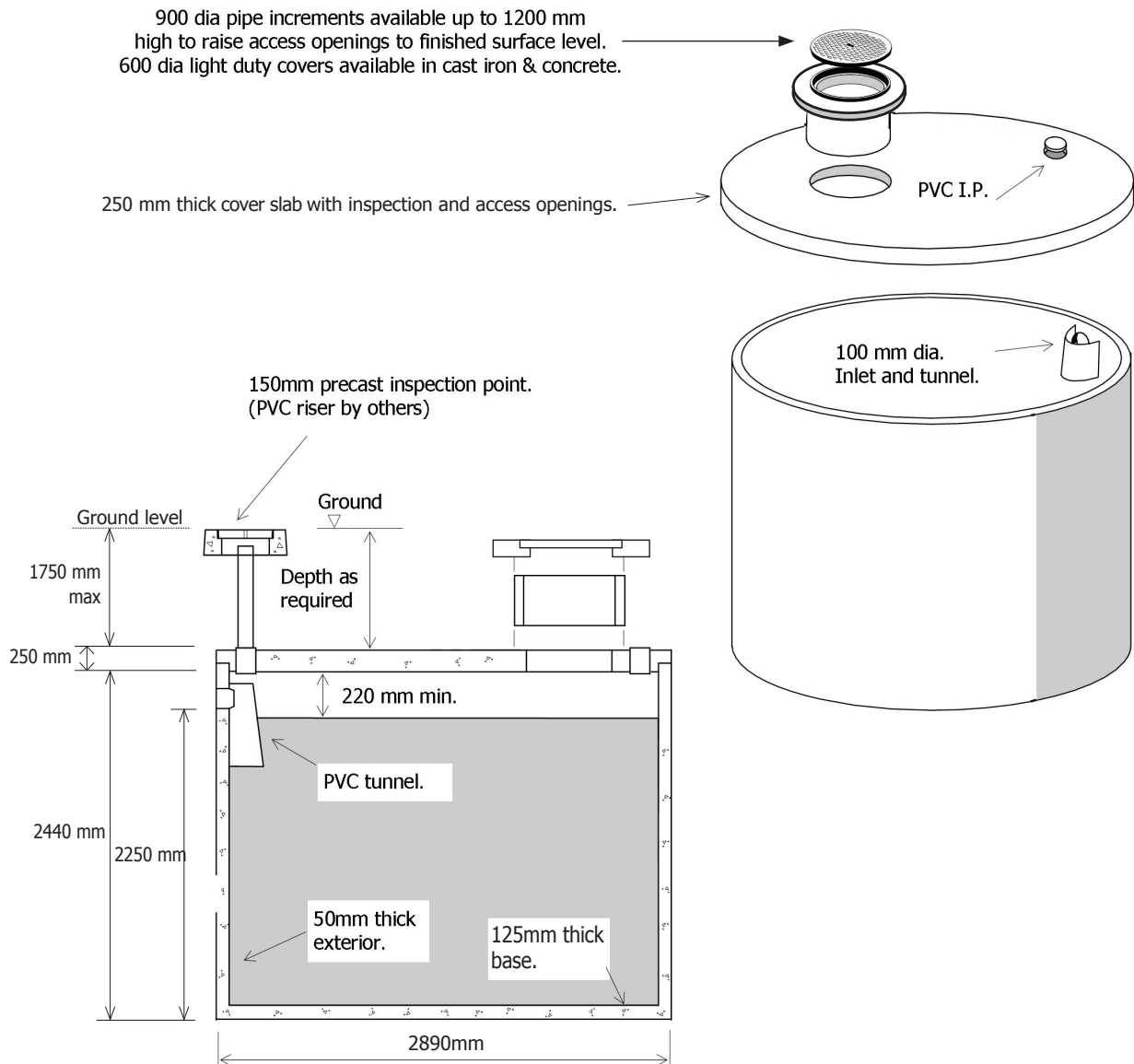


The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Vertical Holding Tank

12,000 litre

Item	Approx mass
12,000 litre vertical holding tank base	5,300kg
12,000 litre vertical holding tank lid	3,800kg

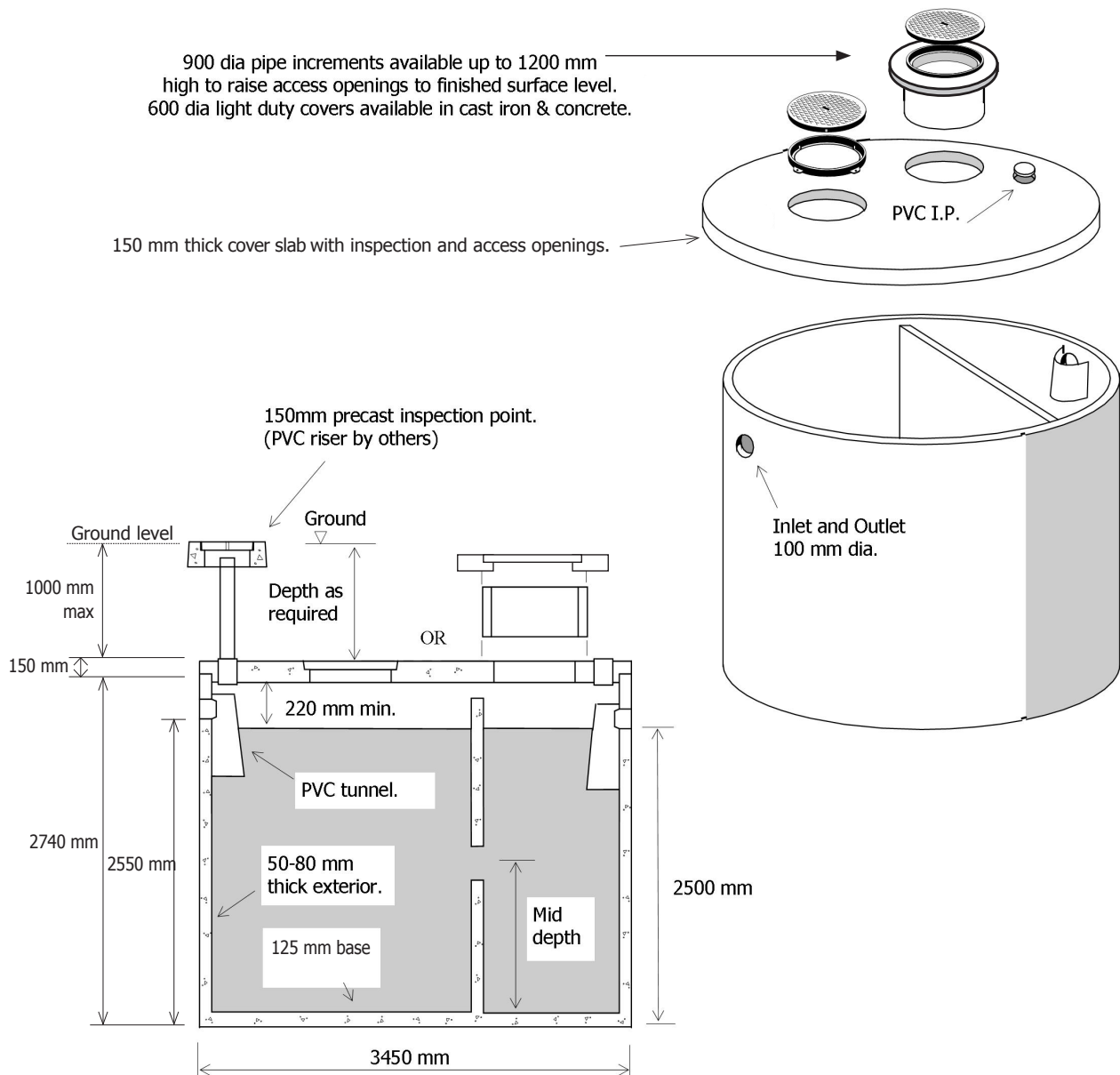


The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Non-trafficable Septic Tank

20,000 litre

Item	Approx mass
20,000 litre vertical septic tank base with baffle	9,400kg
20,000 litre vertical septic tank lid	3,300kg

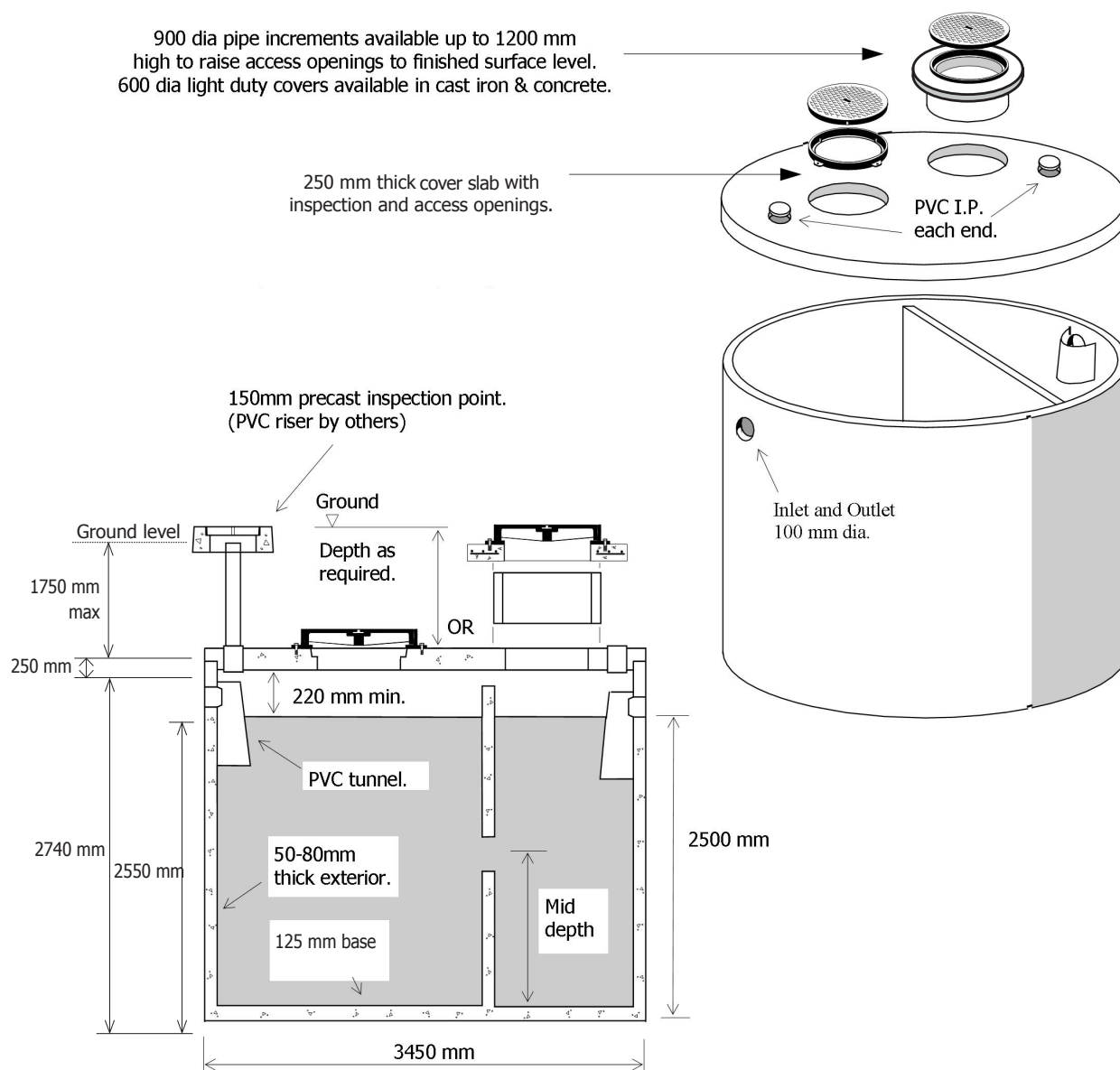


The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Septic Tank

20,000 litre

Item	Approx mass
20,000 litre vertical septic tank base with baffle	9,400kg
20,000 litre vertical septic tank lid	5,800kg



The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

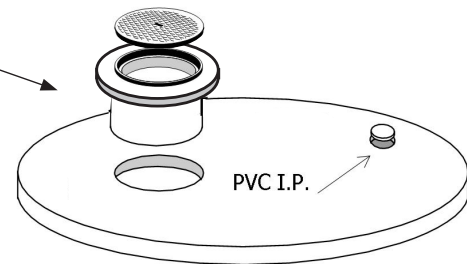
Non-Trafficable Vertical Holding Tank

20,000 litre

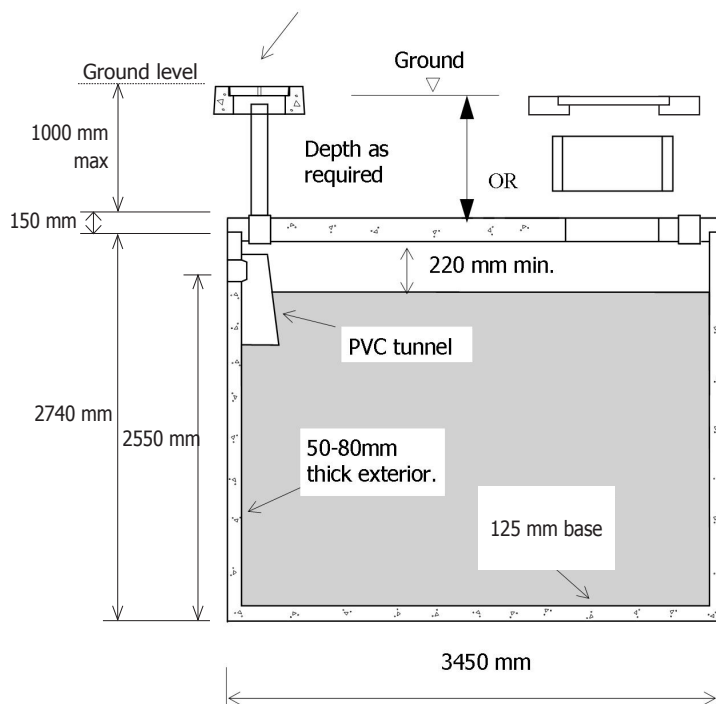
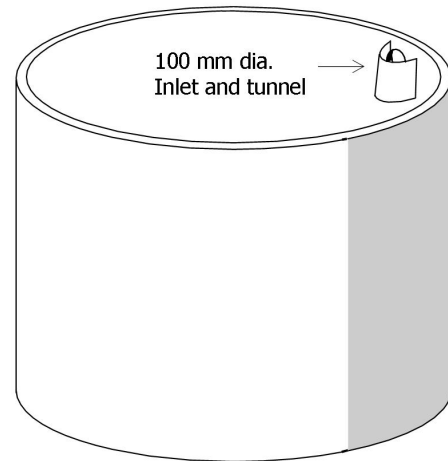
Item	Approx mass
20,000 litre vertical holding tank base	7,500kg
20,000 litre vertical holding tank lid	3,300kg

900 dia pipe increments available up to 1200 mm high to raise access openings to finished surface level.
600 dia light duty covers available in cast iron & concrete.

150 mm thick cover slab with inspection and access openings.



150mm precast inspection point.
(PVC riser by others)



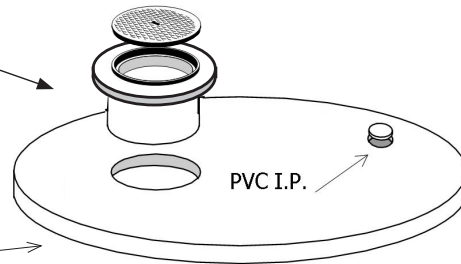
The non-trafficable cover slabs (150 mm thick) have been designed to be buried a maximum of 1000 mm below ground level.

Trafficable Vertical Holding Tank

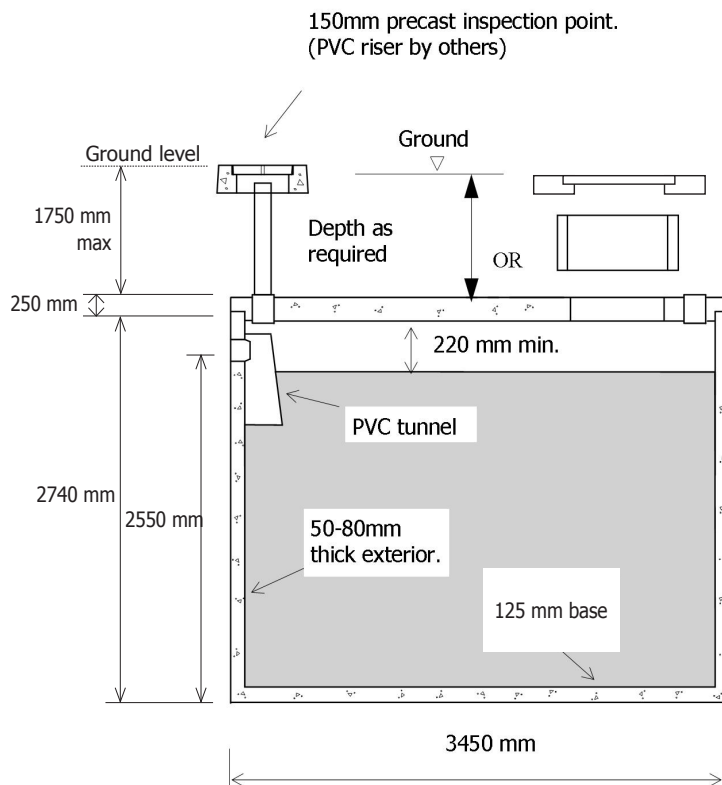
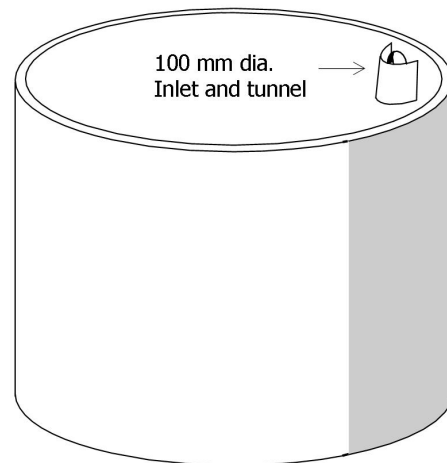
20,000 litre

Item	Approx mass
20,000 litre vertical holding tank base	7,500kg
20,000 litre vertical holding tank lid	5,800kg

900 dia pipe increments available up to 1200 mm high to raise access openings to finished surface level.
600 dia light duty covers available in cast iron & concrete.



250 mm thick cover slab with inspection and access openings.



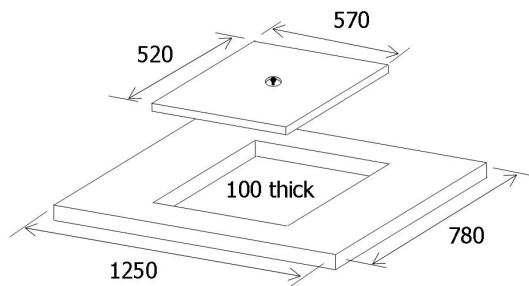
The trafficable cover slabs (250 mm thick) have been designed to be buried a maximum of 1750 mm below ground level.

Saddle Risers, Increments & Cover Slabs

Product information

- To suit all horizontal septic and holding tanks
- Cover slabs suitable for pedestrian traffic only
- Radius of saddle riser varies to suit tank
- Each component fitted with 1.3t 'Swiftlift' anchors for lifting

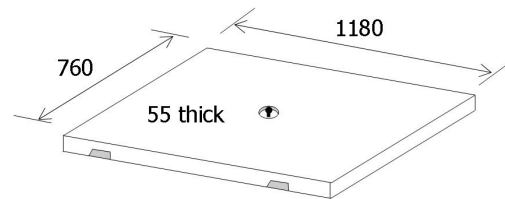
TYPE 34



Weight - 192kg

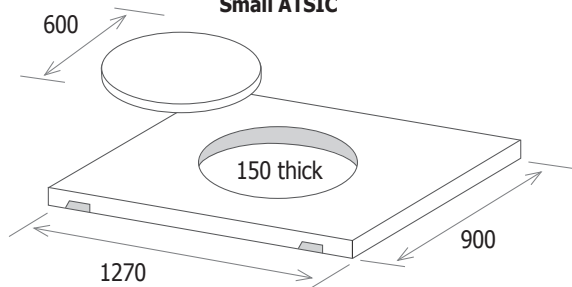
TYPE 33

Suitable for all other horizontal tanks.

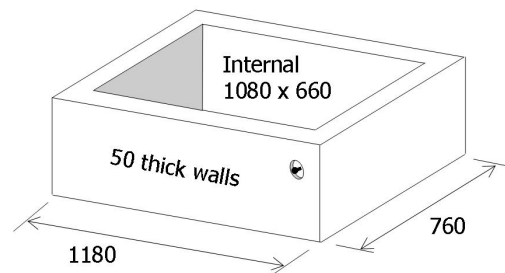


Weight - 100kg

Small ATSC

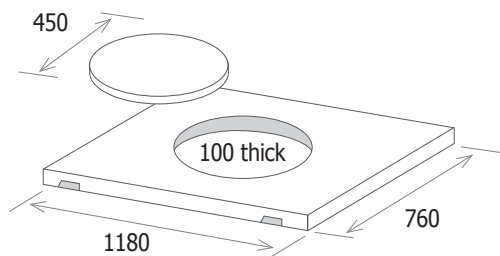


Weight - 340kg

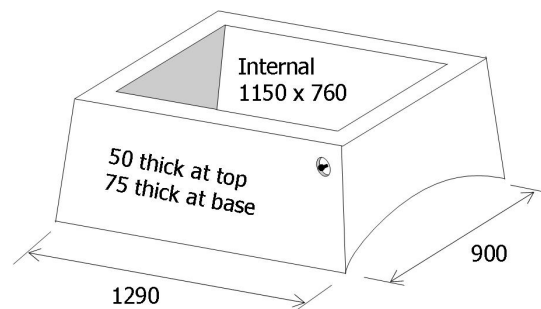


200 mm - weight 86kg
300 mm - weight 124kg
400 mm - weight 166kg
450 mm - weight 188kg

Ri Scape Lid



Weight - 180kg

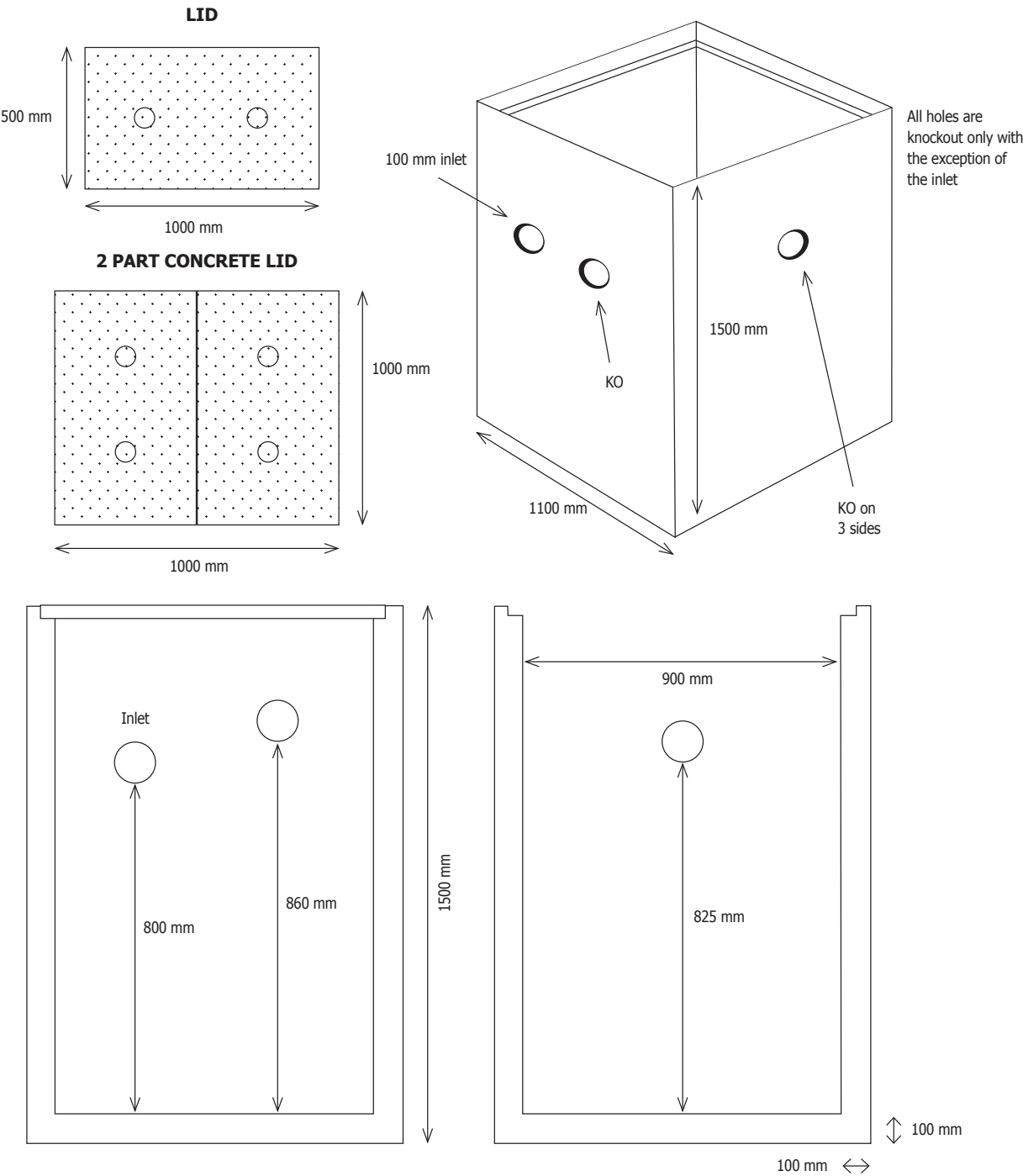


250 mm - weight 235kg
450 mm - weight 320kg
475 mm (4,300 litre) - weight 320kg
495 mm (5,000 litre) - weight 335kg

Precast Pump Chamber

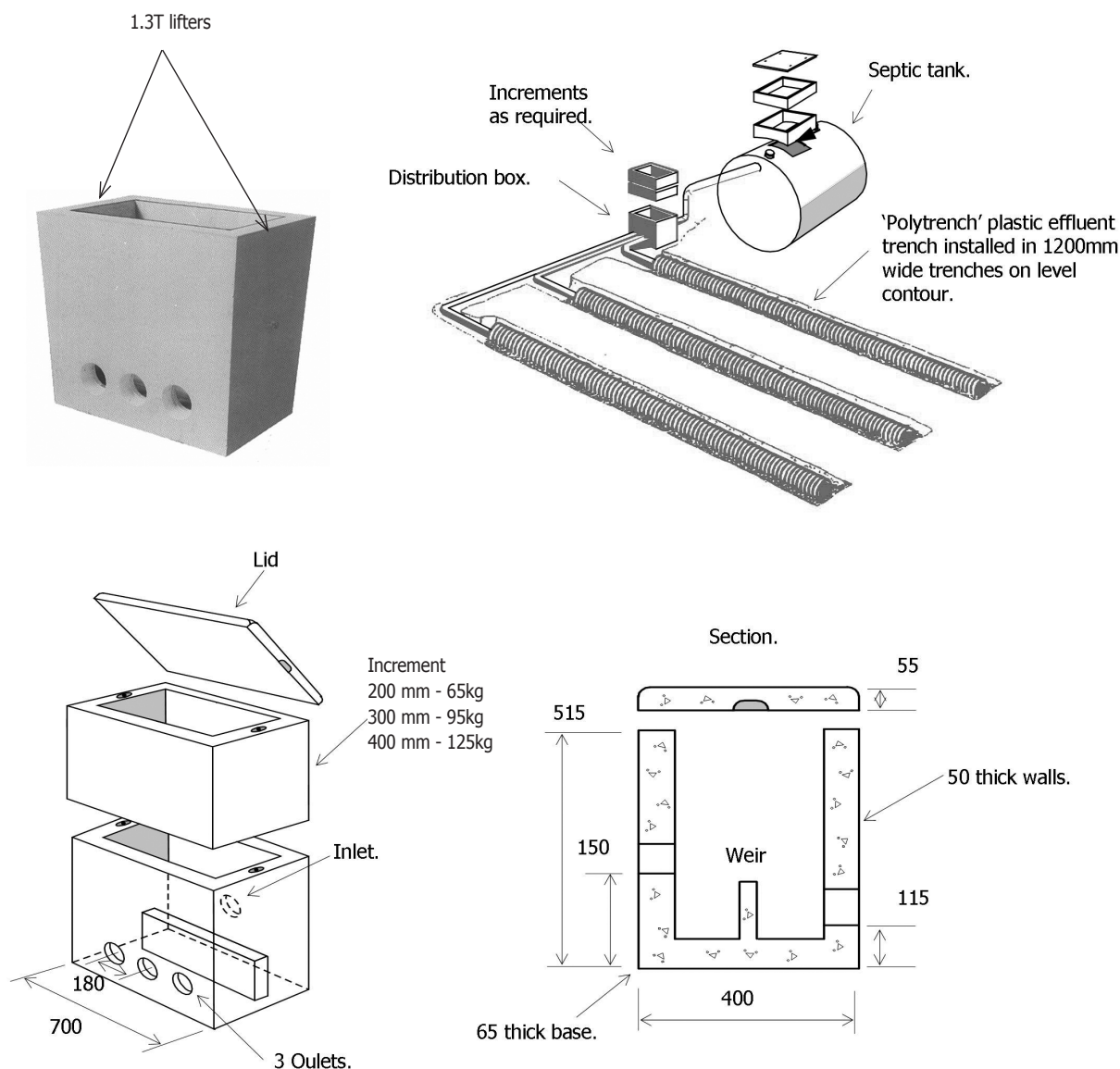
1,100 litre

Item	Approx mass
1,100 litre precast pump chamber	1,790kg
Product information	
Constructed using concrete with plastic fibre	



Distribution Box

Item	Approx Mass
Distribution box with lid	150kg
Lid only	35kg
Product information	
■ Precast reinforced concrete box fitted with 100mm diam PVC inlet and outlet collars ■ Box and increments fitted with 'Swiftlift' anchors for lifting ■ Approved by SA Health ■ Available in both 1 in 3 out or 1 in 4 out	



Polytrench Plastic Effluent Trench

- The plumber's choice for septic tank or stormwater drainage in unserviced areas
- A simple, economical and fast way to lay effluent trench
- Premium grade high density polypropylene with UV filter injected to give high impact strength
- Lapping joint
- Specially designed slots on either side allow the water to penetrate into the surroundings but retain the settled sludge within the Polytrench, ensuring longer life
- End caps available

General installation information

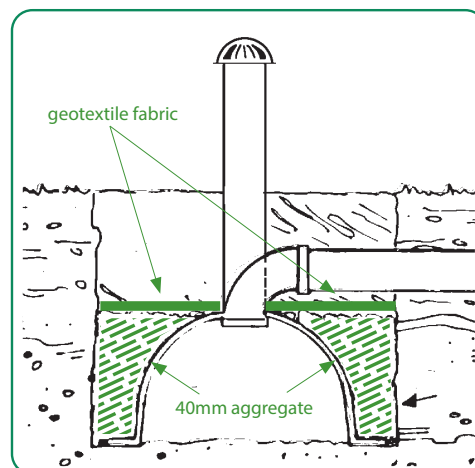
Check with SA Health before starting to lay Polytrench.

1. On a level contour excavate a trench to the required length, 1,200mm wide and to the required depth below the end of the septic tank outlet pipe. Ensure that the trench bottom is level.
2. Lay the interconnecting units centrally in the excavation (fit moulded end caps to the end of each run).
3. Connect the tank outlet pipe into the top of the first piece of Polytrench.
4. Backfill with 40mm aggregate to the top of the Polytrench ensuring that there are 300mm of aggregate on either side of the units.
5. Cover the aggregate and the Polytrench with trench fabric/geotextile.
6. Backfill with suitable material.

Specifications

Our Polytrench has interlocking sections, supplied in manageable lengths:

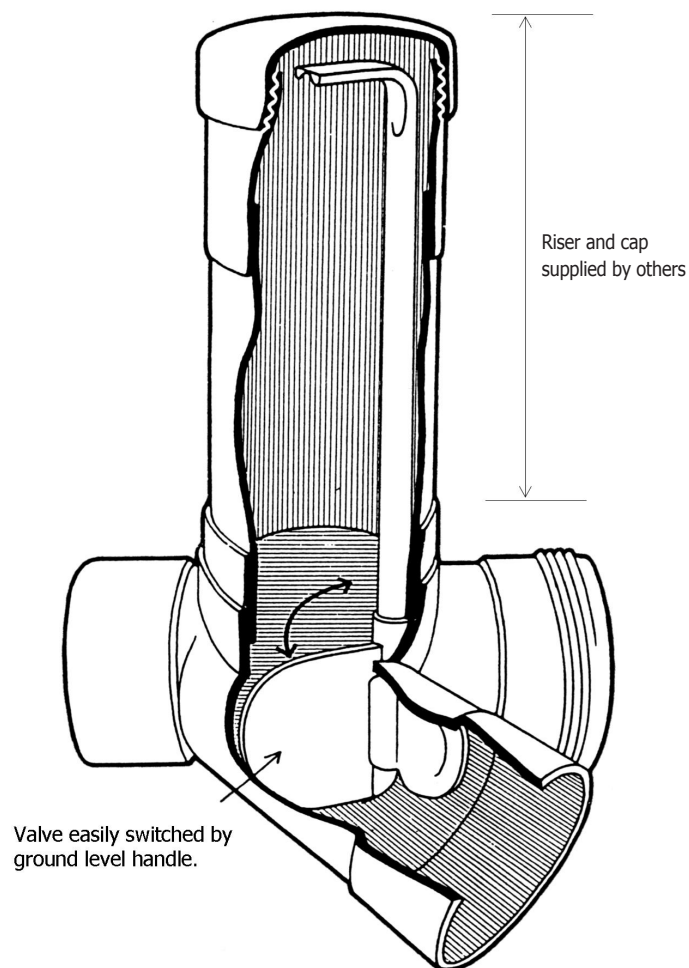
- Length - 1,000mm
- Height - 330mm
- Width - 450mm



PVC Effluent Diverter Junction

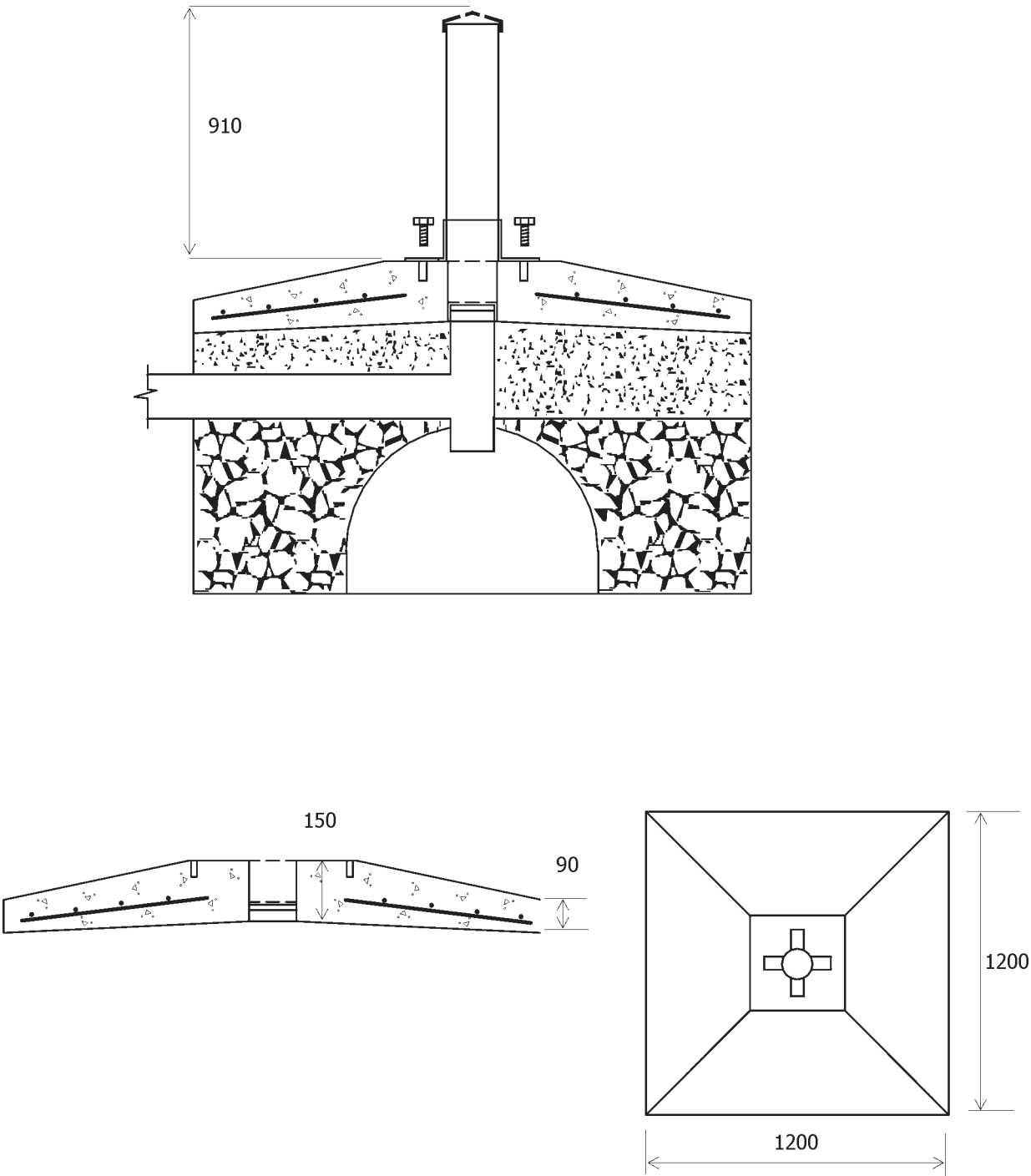
Product information

- Cost effective: no extra fittings for line up or I.O.
- Light weight: no sagging lines
- Standard 45 degree 'Y' size and style for quick, easy installation
- The correct operation is visible after installation
- Riser and switching lever easily cut to suit depth of job
- Available as a right hand valve only



Induct Vents

Item	Approx mass
Induct vent base complete	410kg



'Swiftlift' Lifting System

The 'SwiftLift' concrete lifting system provides a simple, safe, and efficient method for lifting and handling precast concrete elements.

Originally developed to eliminate the need for time-consuming and potentially hazardous threaded connectors, the system has been widely used worldwide and has demonstrated its versatility, operational simplicity, and safety in a variety of applications.

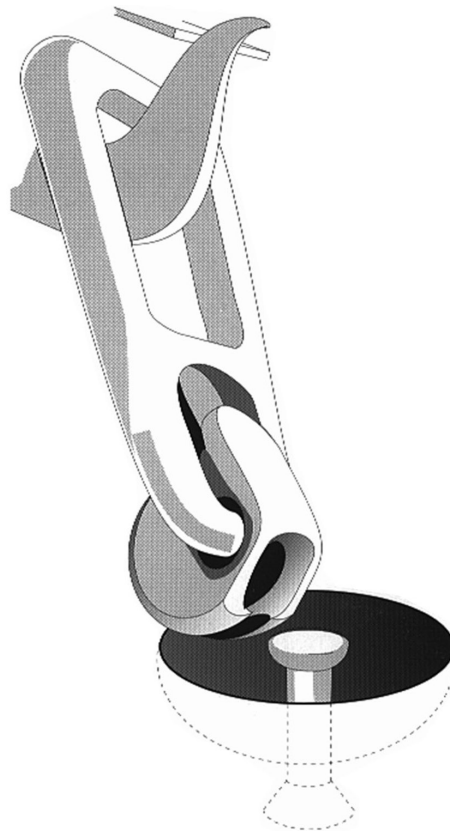
The system is fully approved by regulatory authorities in every state of Australia and in New Zealand.

The system uses forged steel anchors, typically hot-dipped galvanised, with each anchor's capacity (in tonnes) clearly marked on the head to ensure maximum on-site safety. A specially designed lifting clutch connects securely to the head of the embedded anchor. The lifting clutch is designed so that, when properly connected, it cannot disengage while under load.

Upon completing the lift, the eye is easily disengaged, and the recess can be grouted over if necessary.

The SwiftLift lifting system is standard in most Ri products, and lifting clutches are available for purchase from our office.

Available capacities: 1.3, 2.5, 5.0, and 10 tonnes

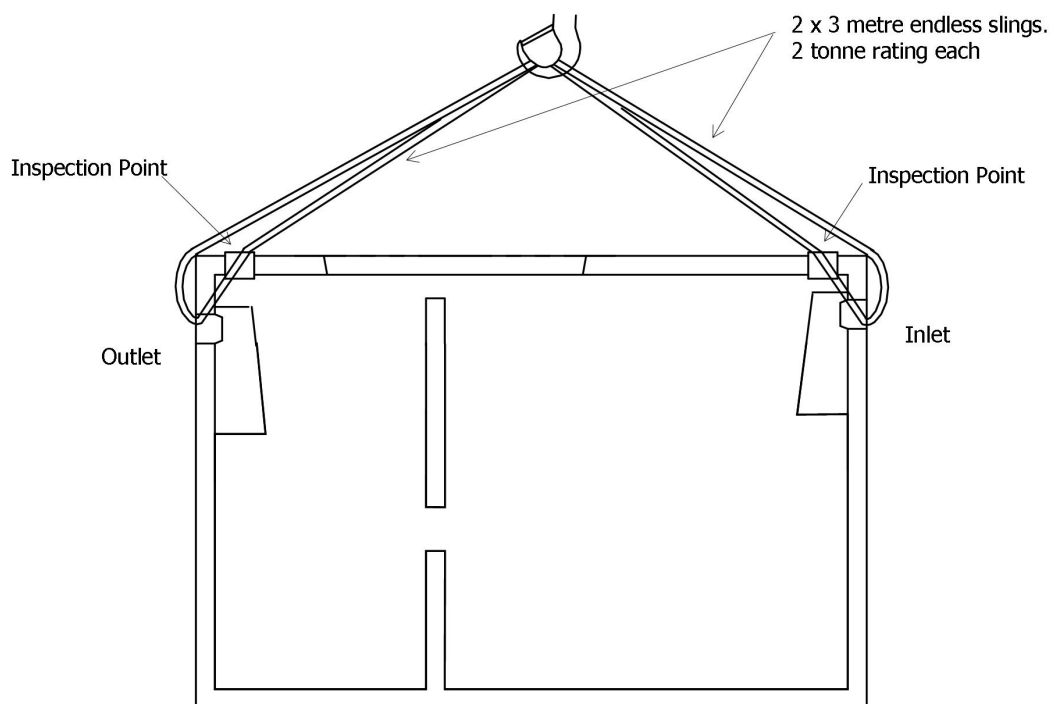


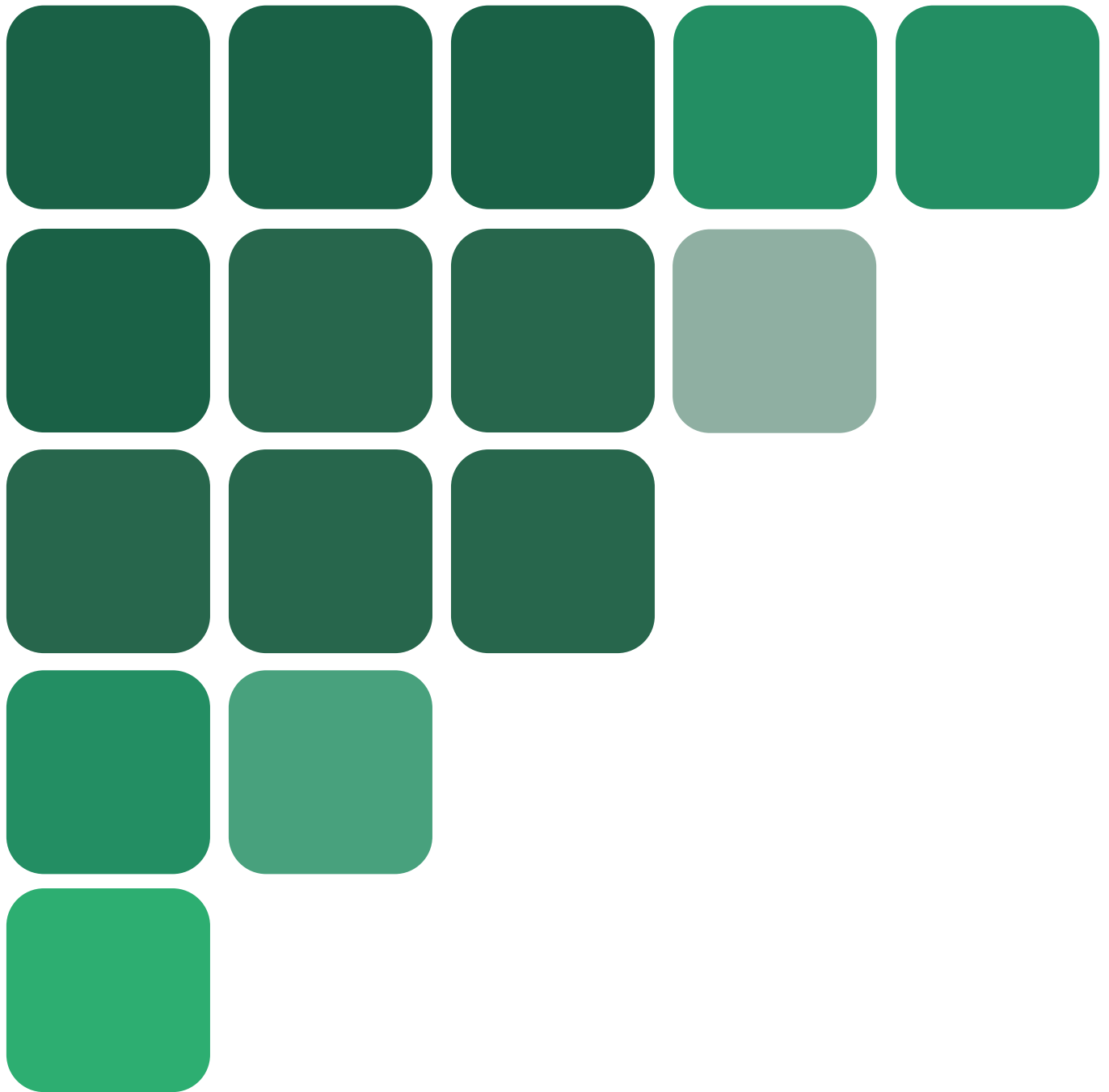
Lifting Septic Tanks

3,000 - 5,000 litre

The use of unapproved lifting equipment may damage or crack tanks.

The diagram shown below is the correct method for lifting a Ri-Industries 1,620 - 5,000 litre horizontal cylindrical type septic tank. If SwiftLift anchors are fitted, the appropriate clutch can be used.





Ri-Industries

24-30 Davis Street, Wingfield,
South Australia, 5013

(08) 8444 8100
sales@ri-industries.com.au

ri-industries.com.au

ABN 81 007 647 323 | MAY 2025

