

Building Code Class 1, 2 & 3 Waste Water System Specs

Class 1 Pit Privy Installation Instructions

1. Approximate dimensions 1.1m (3'-6") wide x 1.2m (4') deep x 2.4m (8') high with a pit 0.9m(3') x 0.9m(3') and variable depth.
2. Superstructure to be constructed of strong, durable weather-proof material.
3. Solid floor supported by a sill constructed of treated timber, masonry or other material of at least equal strength and durability.
4. Equipped with one or more seats having covers supported by an enclosed bench.
5. Self closing door, at least one screened window for ventilation.
6. Bench or riser to be lined with an impervious material on all interior vertical surfaces.
7. Ventilating duct, screened at top, shall extend from the underside of the bench to a point above the roof.
8. Sides of the pit privy shall be shored to prevent collapse.
9. Pit of pit privy shall be surrounded on all sides and on the bottom with 0.6m (2 ft) of earth and bottom of pit shall be at least **0.9m (3 ft)** above high water table or bedrock.
10. Vault of vault privies shall be watertight.
11. The ground around all privies shall be graded to promote surface runoff away from privies and the bottom of the surface structure shall be at least 0.15m(6") above the surrounding ground.

Class 2 Greywater Pit Installation Instructions

1. The leaching pit shall receive or be used only for the disposal of sewage **other than** human body waste. ie: disposal of greywater only.
2. The bottom of the pit shall be at least 0.9 meters (3 feet) above the maximum elevation of the ground water table or any impervious stratum or rock in the area in which the pit is located.
3. The sides of the pit shall be lined with an open jointed material of a type that will permit leaching from the pit.
4. The sides of the pit shall be constructed in such a manner as to prevent the collapse of its sidewalls.
5. The pit shall be provided with a tight, strong cover that shall remain over the pit except when it is necessary to remove it for the purposes of removing solids from the pit or for the purposes of maintenance.
6. The earth around the perimeter of the pit shall be raised or mounded to a height of a least 0.15m (6") above ground level.
7. The surface of the ground in the area of the pit shall be so graded that the surface drainage in the area will be diverted away from the pit.

- Installations on bedrock or rocky terrain require a leaching area (sand mantle) extending at least 3 meters (10 feet) in all directions from the leaching pit and a **minimum distance*** is required in the direction of expected effluent flow.

* **Distance based on daily flow rate**

Class 3 Cesspool Installation Instructions

- The cesspool(Class 3) shall be designed to receive only the contents of a Class 1 sewage system or effluent from a Class 1 sewage system for disposal (ie: composting toilets)
- The bottom of the cesspool shall be at least 0.9 meters (3 feet) above the maximum elevation of the high ground water table
- The cesspool shall be constructed in such a manner as to prevent the collapse of its sidewalls.
- The cesspool shall be provided with a tight, strong cover that shall remain over the cesspool except when it is necessary to remove it for the purposes of adding sanitary sewage to or removing sanitary sewage from the cesspool or for the purposes of maintenance of the cesspool.
- Where the cesspool extends to the ground surface, the cover required in sentence (4) shall be lockable.
- The earth or leaching bed fill around the perimeter of the cesspool shall be raised or mounded to a height of a least 0.15m (6") above ground level.
- The surface of the ground in the area of the cesspool shall be so graded that the surface drainage in the area will be diverted away from the cesspool.
- The cesspool shall be surrounded on all sides and on its bottom by at least 0.6 meters (2 feet) of soil or leaching bed fill, except the top where the cesspool extends to the surface of the ground.

Clearance Distances for Class 1, 2 and 3 Sewage Systems

	Well with casing 6m (20ft) min. depth	Well w/o casing and a spring	Lake, river pond, stream	Property Line
Pit Privy	15m (50 feet)	30m (100 feet)	15m (50feet)	3m (10 feet)
Vault Privy	10m (33 feet)	15m (50 feet)	10m (33feet)	3m (10 feet)
Greywater	10m (33 feet)	15m (50 feet)	15m (50feet)	3m (10 feet)
Cesspool	30m (100feet)	60m (200 feet)	15m (50 feet)	3m (10 feet)