

S Y S T È M E
ENVIROSEPTIC
S Y S T È M E



Enviro-Installation
Installation Procedure Summary

Enviro-Septic[®] System

Residential Application
Province of Ontario

September 26th 2008



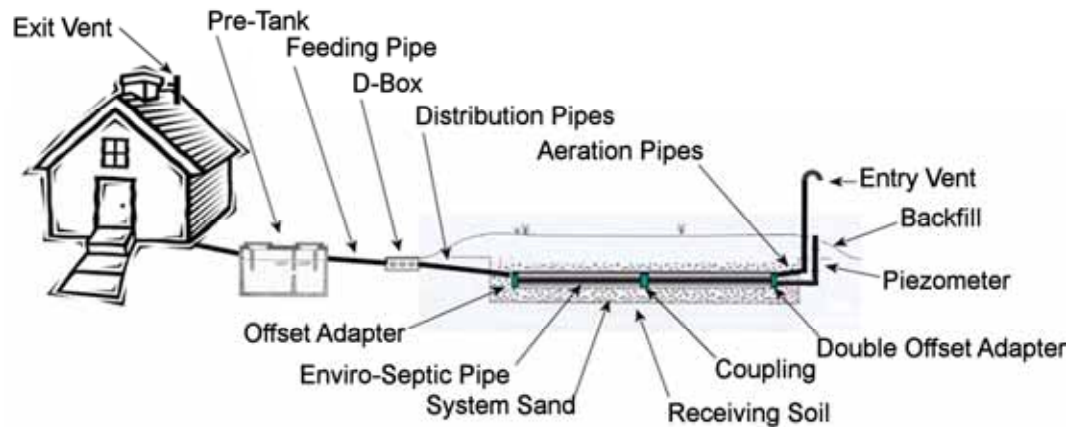
Enviro-Septic System[®] – Enviro-Installation

Introduction

The Enviro-Septic System needs to be installed in conformity with the Enviro-Septic BMEC Authorization, the Enviro-Septic Design and Installation manual and the OBC regulations.

Diagram of installation

The following diagram shows the components which must be installed to complete the Enviro-Septic[®] System. The order of installation of the different elements may vary depending on site constraints.



Installation procedure summary

1. Obtain installation drawings and authorization and gather all necessary material.

2. Install the septic tank and effluent filter in accordance with manufacturer's recommendations and OBC regulations.



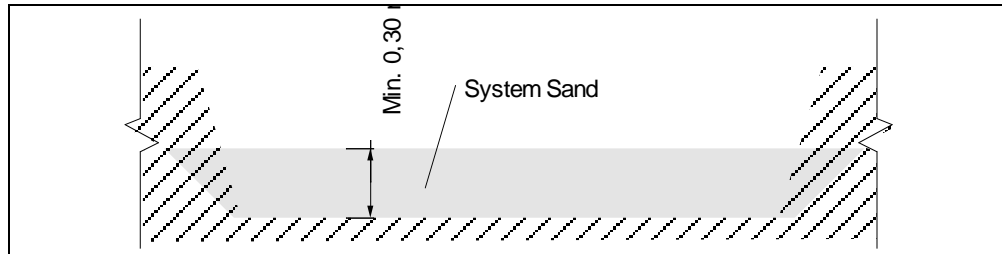
3. Outline the surface to be excavated or scarified and excavate the layer of soil required according to whether the installation will be partially or completely buried. Scarify the receiving soil surface with the proper bucket.



4. Install the sampling device directly on the receiving soil. Locate it approximately $\frac{1}{4}$ of the way down the bed from the Distribution Box end of the system.

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5. Add a layer of 0.30 m of system sand and level it lengthwise.



6. Install the Enviro-Septic pipes on the sand keeping with the spacings shown on the drawings. The seam side of the geotextile fabric that covers the pipes must be upwards. Cover the coupling with the geotextile.



7. Install the offset adapters at both extremities of the rows of pipes.



8. Make sure that all pipes are levelled.



9. Stabilize the rows of Enviro-Septic Pipes and add system sand to half the Enviro-Septic Pipe height.

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10. Compact the system sand by walking on both sides of the Enviro-Septic[®] pipes to fill gaps which may have been created under the pipes.



11. Install the piezometers and make sure that the horizontal part is levelled.



12. Install the ventilation manifold and entry vent.



13. Install the distribution box and make sure it is levelled.



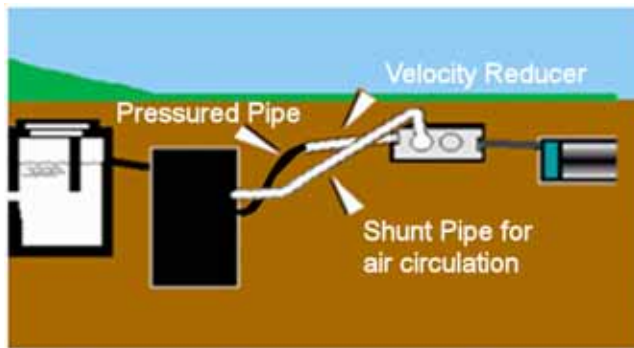
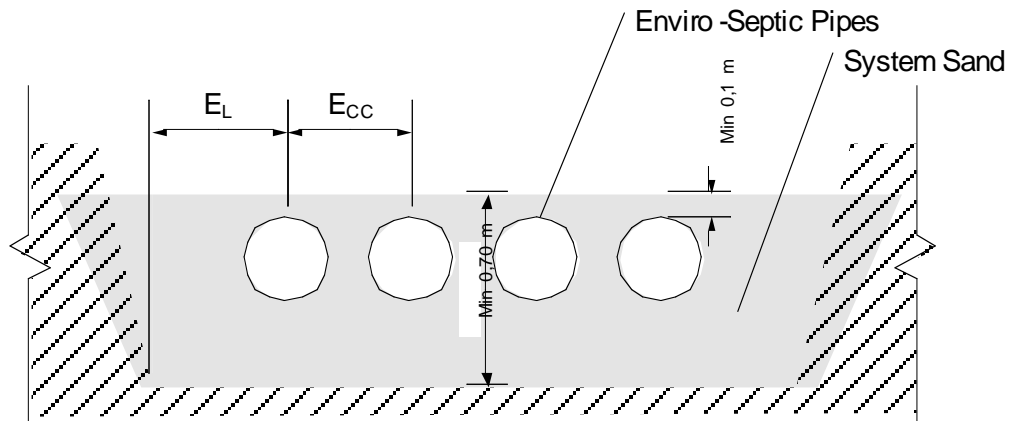
14. Connect the septic tank effluent pipe to the highest opening of the D-box. In the others openings of the D-Box, install the pipes going to the Enviro-Septic rows and add one Equalizer in each of them making sure the knob is upward.



15. Make sure that the entry and exit pipes have a one (1%) percent slope towards the Enviro-Septic Pipes.

16. Completely cover the pipes with system sand and add an extra layer of a minimum of 100 mm on top of the pipes.

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17. When using a pumping station, install a shunt pipe for air circulation or an exit vent on the D-Box. In this second option, the exit vent must be 3 meters higher than the entry vent.



18. A velocity reducer needs to be used in front of the D-Box when using a pumping station.

19. Cover the Enviro-Septic® pipes with a minimum of 300 mm (maximum 600 mm) of backfill permeable to air with no clay. Of the 300 mm, the first 100 on top of the pipes must be system sand. When part of the system is above ground, put the lateral embankment at the required slope as indicated in the plan. Leave a slight slope on top of the bed. The final grade must permit rainwater to flow toward the exterior perimeter of the system.



20. Fill the septic tank with fresh water and perform a simple smoke test to make sure the air flows in the Enviro-Septic pipes between the entry and exit vents.

21. If need be, connect the electricity to the pumping station and make sure it is running properly according to manufacturer's directions.

22. Fill out the warranty activation card and send it to Makeway Environmental Technologies Inc. Give the Owner's Manual or explain it will be sent by Makeway Environmental Technologies Inc. upon

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receipt of their warranty activation card.

HAVE A GOOD INSTALLATION

Enviro-Septic[®] ... We reinvent the way to treat and evacuate wastewater