

SPACING AND FOOTPRINT

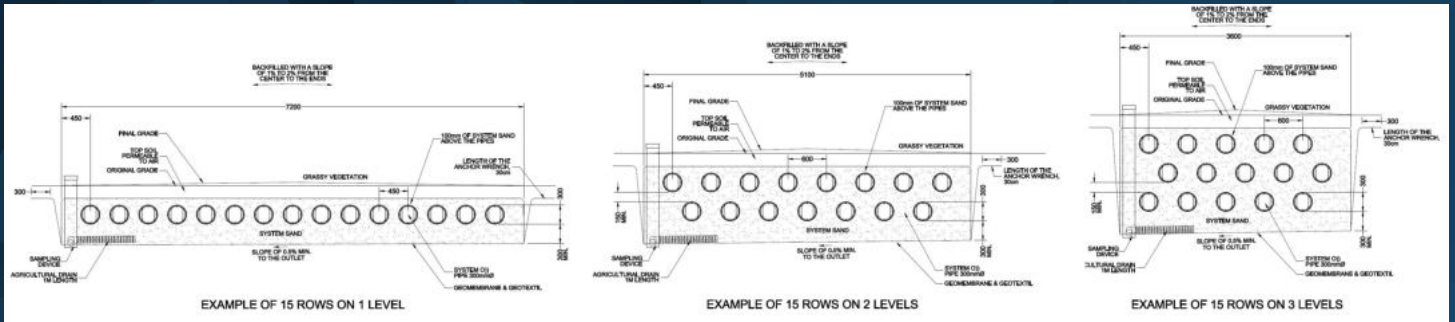


Although we are convinced that the technology at the heart of System O)) solutions is THE best ecological solution for the treatment of domestic wastewater, in some cases it can be difficult to take advantage of sufficient space to lay pipes and components on the available site. However, **did you know that the system could be installed on levels to reduce the surface area required, or under a parking lot, soccer field or amusement park and thus be well camouflaged underground?**

Indeed, in this InfoDBO, you'll discover that what may seem to be the only problem with System O)) solutions isn't really. There are many ways of arranging the system without affecting nature, while respecting the environment.

LEVELS

Before designing unusual configurations, the first tip is to reduce the surface area of the treatment surface by making levels. Pipes can be stacked two or three storeys high, spaced at 150 mm intervals with filter sand. The drawings below clearly show a 30% saving in land area per level.



CONFIGURATION WITH SPECIAL GEOMETRIES

Where necessary, an installation can be designed in an unconventional way in terms of the length of pipe rows or irregular shapes to take account of particular site constraints.

The infiltration surface can take on unusual shapes such as curved, trapezoidal or L-shaped. All these variants provide the flexibility needed to cope with the difficulties of many sites. Because the pipe is flexible, getting around an obstacle is child's play.



VEGETATION ABOVE THE SYSTEM

DBO International recommends herbaceous vegetation above the System O)), although it is possible to plant flowers, vegetables or short-rooted shoots. Be sure not to dig deeper than 10cm, as this could damage the entire system. Simply add air-permeable topsoil above the system before planting. In Lima, Peru, a sunflower crop watered with water treated by System O)) is located directly above the system, without interfering with its operation. What's more, the treated water contains the ideal dose of nutrients for growing this type of vegetation. For more information, see our **guide to reuse**.

DISGUIISING THE SYSTEM

No one wants to notice that a wastewater treatment system is far too visible, which is why several ways of concealing the system can be achieved with aesthetics and originality. While many installations have been camouflaged by vegetation or sympathetic landscaping above the infiltration surface, there is also a way to protect the final backfill from crushing.

In the United States, for example, a System O)) was built under a McDonald's parking lot, while respecting the ventilation system, which was redirected to the edge of the asphalt and hidden behind shrubs - neither seen nor known! Playgrounds and parks can be an interesting alternative. Since no odours are produced in the system due to the chimney effect, the low-level vent can be located at ground level without any risk of toxic inhalation.

The digger can hide a System O)) solution with ease, and dare you to try and notice where the system is. Once installed, it can be forgotten!



Can you see a septic system in the picture on the right? A System O)) is there!

ESTHETISM

The basic idea behind a beautiful septic system is not to know it's under your feet. It's a good idea to conceal the pipes that must emerge from the ground. The distribution box cover, sampling well cap and piezometers are already green in color, so they blend in subtly with the ground's herbaceous vegetation. The ventilation vent is not flush with the ground and can therefore be lost in a bush, a grove or hidden behind a tree.



CONCLUSION

Our technical and engineering department at DBO International is equipped to realize your System O)) solution, whatever the reality of your environment. Our chief technical draftsman, Marc Favreau, has over 20 years' experience playing with all possible configurations to integrate projects on a given surface. You'd be surprised to know his tips and tricks! Don't hesitate to contact him: mfavreau@dbointernational.com. You need to look at the unused space, not at one space, because often there's all the space you need in several places.