

Foreword

A few weeks before the start of the actual excavation, check with INFO-EXCAVATION in order to locate buried electrical cables and underground pipes. Get an Authorization #. This service is FREE. In the Metropolitan area, you can reach INFO-EXCAVATION at (514) 286-9228 or, in remote areas, at 1 800 663-9228.

Equipment Required For The Installation

- Striding Level
- ½" Net Crushed Stone
- MIRAFI-type Geomembrane (liner)
- 10" Membrane-Coated Dewatering Well.

Excavation

The excavation must be 8" wider than the actual dimensions of the spa. Depending on the type of soil, the depth of the excavation must exceed the depth of the spa by 6 to 10". For a clayish soil, plan on 10"; for a sandy or rocky soil, 6" should be enough. In order to simplify your installation, excavation templates are available at Piscine Fibro for the model of spa you've purchased. Don't forget: once your spa is installed, its final level must be 6" higher than the surrounding ground.

Rock-Bed Preparation

Once you've completed the excavation, spread a geomembrane at the bottom of the hole. This will help stabilize the crushed rock-bed at the bottom of the excavation. The crushed stones must have a net diameter of ½". The thickness of the rock-bed, as determined prior to the excavation, must be between 6 and 10". To ensure the uniformity of your rock-bed, use a striding level.

Spa Installation

When lowering the spa in the excavation, take care not to damage the plumbing equipment or the skimmer. Once the spa is in place, check that it rests fully on the crushed rock-bed.

Use a striding level to check the height and the level of the spa. Once you've completed the verification, start filling the spa. See schematic.

Dewatering Well Installation

Use a 10" perforated drain coated with a geomembrane. Locate the well in the deepest part of the spa between the spa and the excavation and install the well in a vertical position. The well must reach 10' deeper than the spa. Ideally, you should install a 4" drainpipe between the spa and your house's French drain. However, if you don't have a French drain on the house, only make sure that the dewatering well is dry. If you have water in the well, use a submersible pump to empty the well before draining the spa. See schematic.

Embankment

Before completing the embankment, fill the spa with one foot of water. Fill the space between the walls of the spa and the excavation with 1/2" crushed stones. See schematic.

