

PolySelf⁷

Residential Surface Drainage Systems



- * *Driveways*
- * *Sidewalks*
- * *Landscape Areas*
- * *Swimming Pools*

“The Future of Surface Drainage”

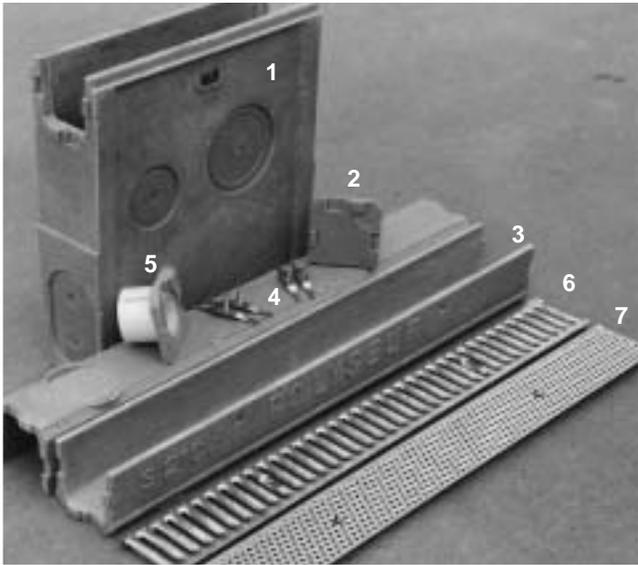
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Advanced Building Technologies, Inc.

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The Modular Design Makes It Practical and Effective

PolySelf is a complete modular trench drain system requiring minimum experience and labor for installation. The PolySelf system includes precision engineered, precast polymer-concrete channels. Galvanized steel grates are held securely in place by locking toggles. The specially designed grates allow water to flow freely into the system by keeping large debris from clogging the channels. The slotted or heel-proof perforated grates are strong enough for low speed automobile and light truck traffic.

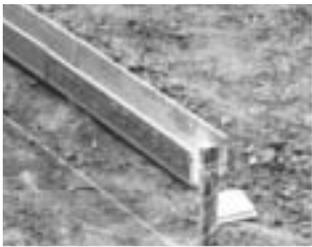
The result?

The ultimate residential surface drainage system with a clean, professional look!

PolySelf Components:

1. Catch Basin 2. Solid End Cap
3. 1 Meter Channels 4. Locking Toggles 5. Outlet End Cap
6. Slotted grate 7. Perforated grate

INSTALLATION AS EASY AS 1 - 2 - 3 !

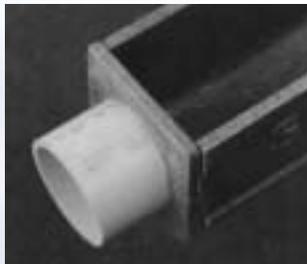


1. Dig a trench 12" to 18" wide and at least 8" deep. Set a string line to grade (finished elevation) the length of the PolySelf drain line.

Place the grates on channels and lock in place. Tape or mask the grates to prevent concrete from entering the channels when placing the concrete in trench.

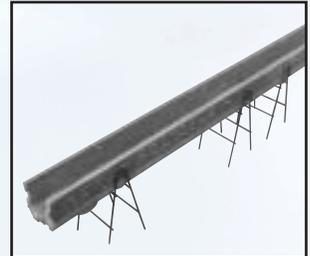


2. Installing with a catch basin or the vertical outlet (located on the bottom of the channel) requires that you first remove the cutout area. Drill 5/16" holes around the cutout area approximately 1/4" apart along the indented area.



3a. The concrete bedding method* requires a stiff concrete bedding slurry (some-what dry) along the length of the trench. The bedding concrete should be as thick as the floor or driveway. Butt the channels together in the trench, on top of the concrete. Allow the concrete bedding to cover approximately 2" up the side of the channel. Align the top of the channel with the string line. Allow the concrete bedding to set. Connect the outlet piping as required.

* The bedding method has a high risk of channel breakage with slab movement.



3b. The PolySelf seat bracket method uses one bracket at the location of each channel joint, leaving the bracket and the height of the channel (4-3/4") at 3/4" high above the string line. Place channels into the brackets until the channel firmly rests on the crossbar. Tap the channel down with a rubber mallet until the channels are aligned with the string line. Pour concrete approximately 2" up the side of the channel and allow the concrete to set. Once the channels are locked into place, begin the final pour to bring the concrete level with the top of the PolySelf channel.

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