Pool Waterfall Add-On Checklist

Map out your sheer descent project for a flawless, resort-quality water sheet.

Adding a sheer descent transforms your backyard into a relaxing oasis. Use this sequence to size your plumbing, place your valve, and level your spillway perfectly.



Key Installation Specs

Far end of pool
Aimed at your lounger

15 GPM per foot
Pump sized to the lip

3-way diverter
Volume knob: a valve

18 in. (45 cm)
Lip 18 in. above water

0 tilt (use shims)
Lip set dead level

Flush Before Final Connection
Turn on the pump to blast out dirt or PVC shavings before gluing the final fitting, preventing permanent clogs in the narrow stainless steel opening.

Waterfall Add-On Sequence

1. **Seat-Facing Orientation** Position the feature across the water to anchor the backyard layout and maximize acoustic benefits.
2. **GPM Flow Check** Calculate required water volume based on your exact spillway width to maintain a solid sheet.
3. **Valve Placement** Install your dedicated flow control at the equipment pad for effortless daily volume adjustments.
4. **Height & Leveling** Set the drop height, tap with a rubber mallet, and lock with shims before mortaring.

Friction Loss by Fitting

Find your row: **PVC Fitting Type**

PVC Fitting Type	Your pick	Why
90-Degree Elbow	2.5 feet added	High friction loss
45-Degree Elbow	1.2 feet added	Moderate friction loss
Straight Coupling	0 feet added	No friction loss

Site Checks Before Trenching

- [ ] Identify existing utility lines beneath the concrete deck.
- [ ] Locate existing pool returns to avoid plumbing interference.
- [ ] Measure the exact width of your stainless spillway lip.
- [ ] Calculate 1 inch of horizontal wind drift per inch of drop.
- [ ] Check if you can upgrade to a 2-inch PVC supply line.

Project Notes & Measurements

Enjoy your perfectly tuned, resort-quality backyard oasis by next weekend!