

Corner Pond & Falls Build Sheet

Map your 6×8 footprint, size your liner, and stack a natural waterfall.

Transform a single weekend into a backyard oasis. This complete build sheet gives you the exact dig depths and stone sizes needed to start digging.

● Essential Pond Dimensions

24 in

Max center depth for overwintering

9 in

Plant shelf for potted marginals

$L + (2 \times D) + 2 \text{ ft}$

Standard EPDM liner sizing calculation

1 in

Washed river gravel on bottom

24 hours

Wait time after water conditioner

Dug soil = free hill

Pile excavated dirt directly in the back corner.

Wetting and tamping this heavy soil creates a compacted, free structural base for your cascading waterfall stones.



● Stacking the Waterfall

- 1 **Angle foundation boulders** Place largest fieldstones at the mound's bottom edge, angled slightly backward against the rushing water.
- 2 **Level lip, even sheet** Set the main waterfall stone with a torpedo level so flow spreads evenly across the width.
- 3 **Seal hidden gaps** Fill spaces between boulders with black expanding foam so water flows over, not underneath, the rocks.
- 4 **Splash stone tunes it** Place a flat rock just below the surface where water lands to create a gentle burble.

● Pump GPH Chart

Find your row: **Your spillway width**

Your spillway width	Your pick	Why
10-inch wide lip	1500 GPH submersible pump	Maintains perfectly solid, continuous curtain
Any other width	Width × 150 GPH	Requires 150 GPH per lip inch

● Stone Shopping List

- ☐ Largest, heaviest fieldstones for the waterfall foundation
- ☐ Flat spillway stone for a dead-level lip
- ☐ Assorted mixed fieldstone for the waterfall cascade
- ☐ Flat splash stone to tune acoustic sound
- ☐ Large perimeter boulders to hide the liner folds
- ☐ Smaller, smooth river rocks for edging gaps
- ☐ Washed river gravel for the pond bottom

● Site Checks & Measurements

- Mark a smooth, organic kidney shape with bright landscape paint.
- Measure outward from the exact patio corner to establish length.
- Elevate the pump slightly on a flat brick to avoid sludge.
- Test different splash stone shapes for the exact acoustic vibe.

● Project Notes

Enjoy the relaxing burble of your brand new backyard oasis!