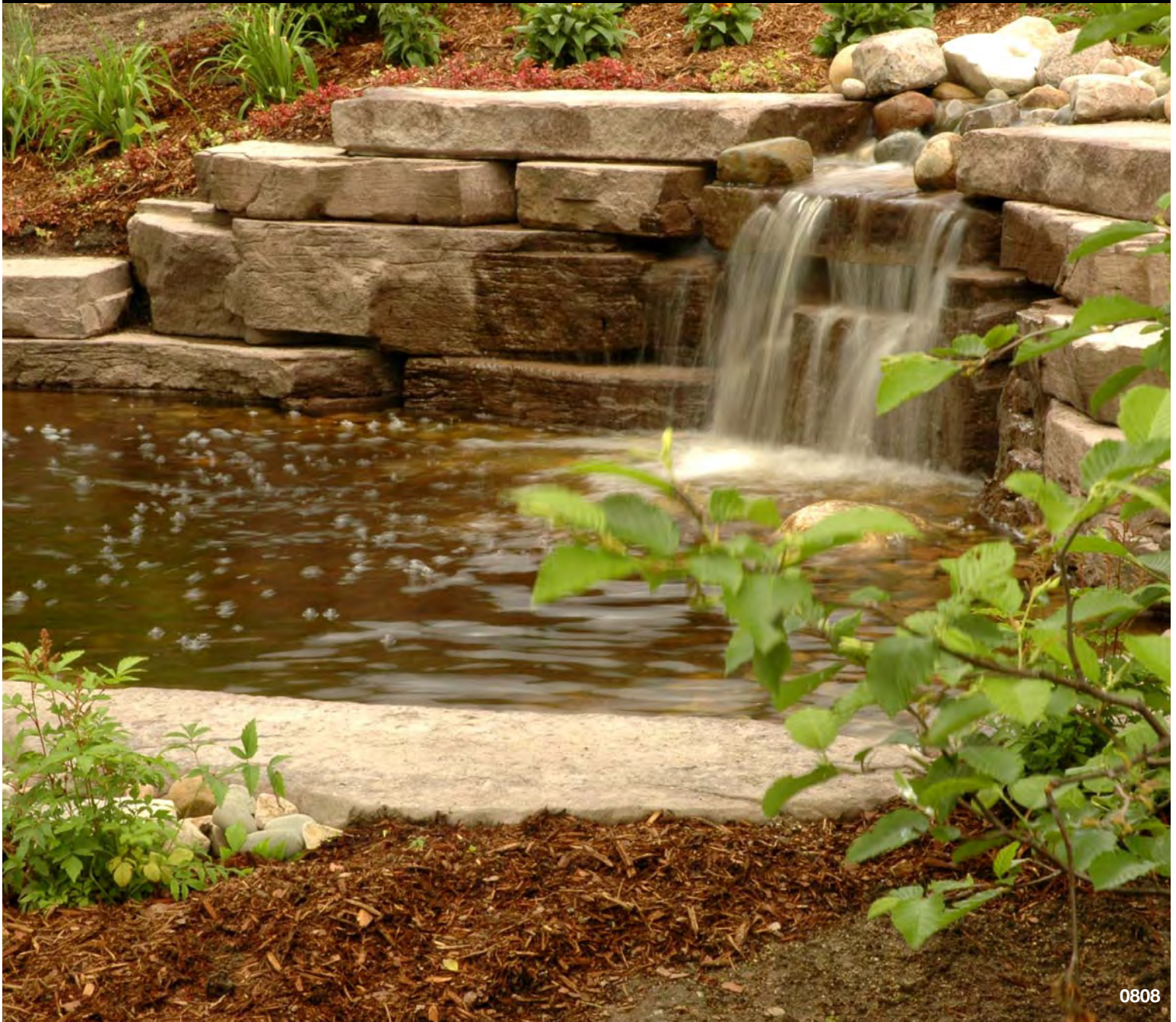




## Pond Installation Guide

# ROSETTA® Pond Kit

HARDSCAPES, LLC

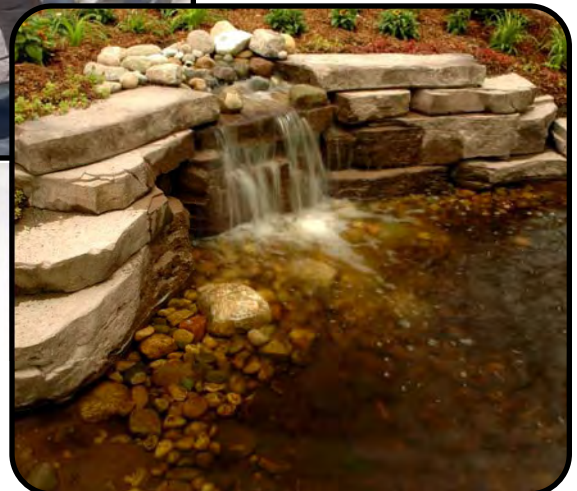
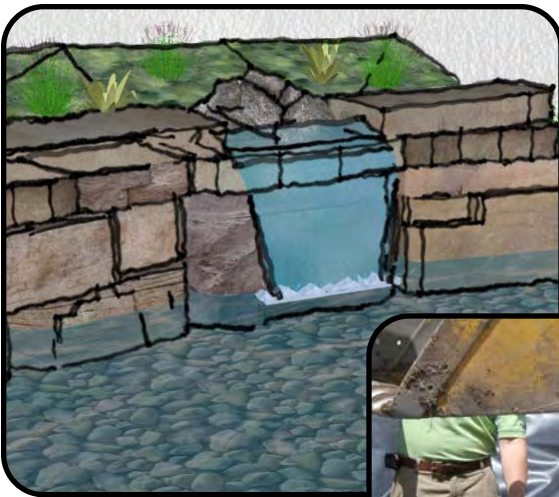


# Read This First

This installation guide is intended as a general reference to be used by professional landscape personnel. Always abide by all federal, state, and local law/regulations. Remember to put safety first in all construction activity.

Always follow instructions and safety warnings on any equipment and specific materials.

Rosetta Hardscapes LLC does not guarantee that this guide applies to any specific installation.



# Rosetta Included

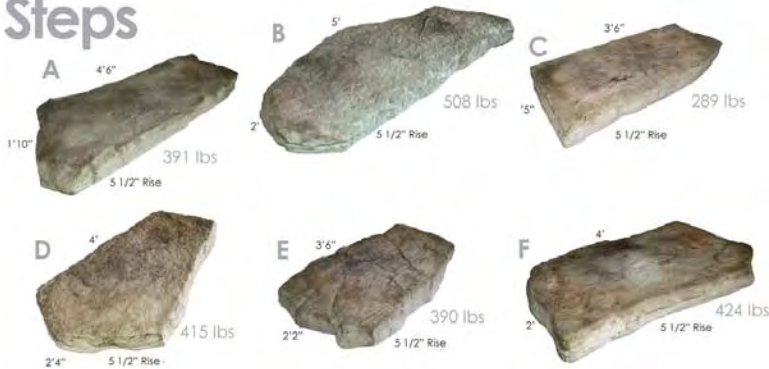
## Pallet B: 18 ft.<sup>2</sup> 4000 lbs.



## Pallet C: 18 ft.<sup>2</sup> 4000 lbs.



## Steps



# Pond Accessories Included



Aquafalls Pond Filter  
(Easy Pro AS or  
equivalent)



Skimmer With Filter  
Brushes (Easy Pro  
PS1FB or equivalent)



- 45 mil. EPDM liner 25' x 25' (7.6 m x 7.6 m) (Easy Pro PL45 or equivalent)
- Underlayment (Easy Pro FPU or equivalent)
  - 1 piece 10' x 25' (3.0 m x 7.6 m)
  - 1 piece 15' x 25' (4.6 m x 7.6 m)
  - 1 piece 8' x 20' (2.4 m x 6.1 m)
- 2" (5.1 cm) 3900 GPH (14,763 LPH) pump (Easy Pro TH250 or equivalent)
- Check Valve Assembly (Easy Pro CVA20TH or equivalent)
- 2" x 25' (5.1 cm x 7.6 m) Flexible Pipe (Easy Pro FP20 or equivalent)
- Installation Kit (foam, silicone, glue, primer, liner patch) (Easy Pro WIK or equivalent)

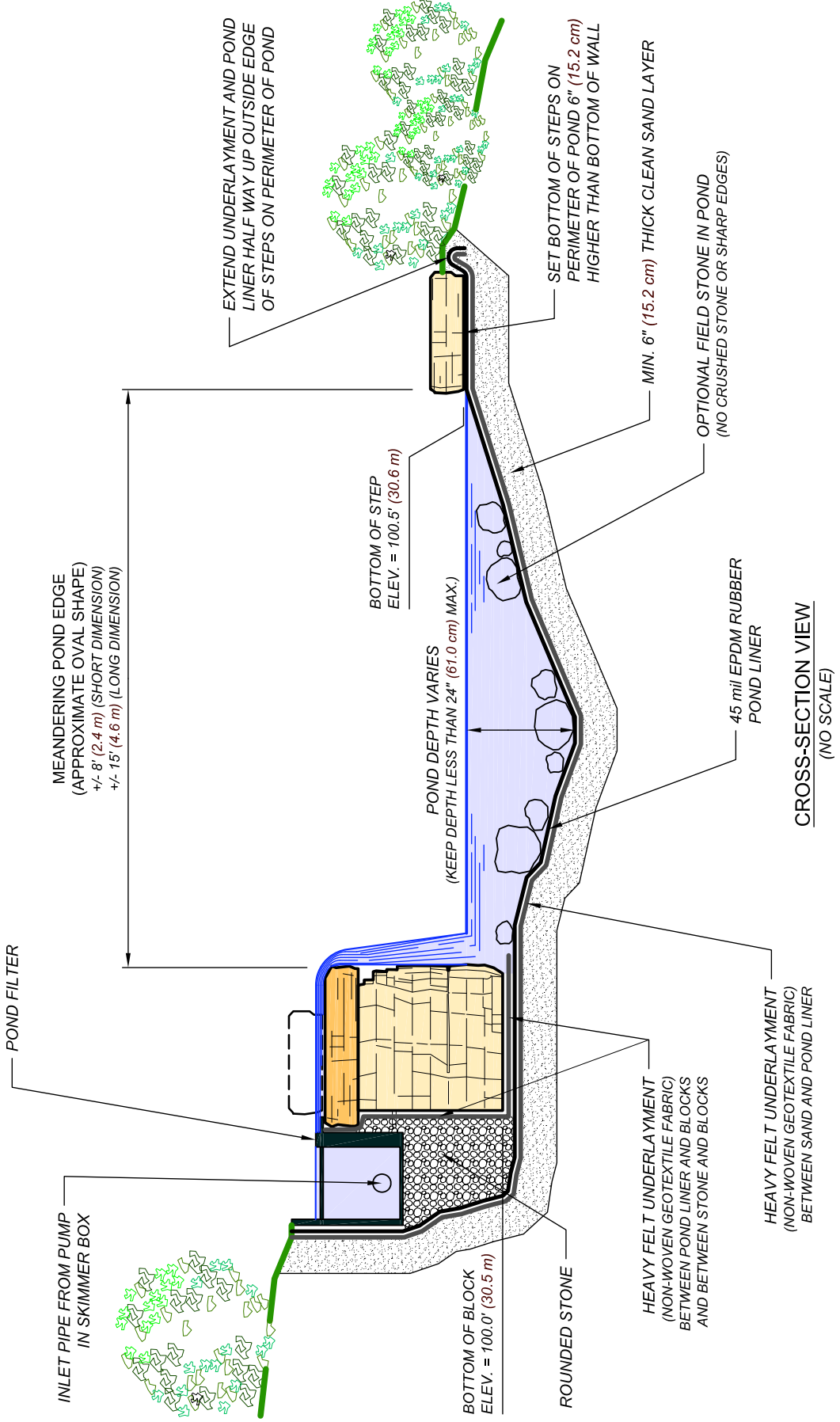
## Note

What you see and read is specific to this Pond Kit. If you wish to make the wall larger, the pond deeper or larger, or a pondless waterfall, please consult your Rosetta representative and pond equipment supplier.

Consult your local pond equipment supplier for specific information regarding proper use and installation of pond equipment.

## Everything else you will need.

- Skid steer or small excavator
- Shovel, level, laser level, utility knife, and other miscellaneous small tools
- 3 cu. yds (2.3 cu. m) of sand
- 5 cu. yds (3.8 cu. m) of rounded stone
- Plants and bark for landscaping
- Rosetta lifting device



CROSS-SECTION VIEW  
(NO SCALE)

<p><b>ROSETTA</b> HARDSCAPES, LLC 05481 US 31 SOUTH CHARLEVOIX, MI 49720 817-777-6556 • 231-237-9656 Fax • www.discoverrosetta.com</p>	
<p>CLIENT: ROSETTA HARDSCAPES DRAWN BY: J. JOHNSON DATE: AUGUST 5, 2008 SHEET NO: 1 OF 1</p>	<p>PROJECT: ROSETTA POND KIT TYPICAL DETAILS FILE: POND_KIT_CROSS-SECTION.dwg</p>



Locate pond where a natural grade is present or bring in fill. Start by excavating the area for the wall at the back of the pond. Review the detail on page 3 carefully before beginning.

Remember to excavate 6" (15.2cm) below final grade to allow room for sand base.

Excavate and shape the pond area. The pond should be an 8' x 15' (2.4 m x 4.6 m) oval and no deeper than 24" (61.0 cm). The elevation around the edges of the pond should be 6" (15.2 cm) higher than the block's base elevation.



Check grade with a laser level during excavation.





Compact the dirt in the excavated area where the wall will sit.

Spread sand over compacted dirt and pond area. About 3 cu. yds (2.3 cu. m) of clean sand is necessary. Reserve some sand for the base around the pond where stepping stones will later be installed.



Smooth, compact, and level sand. The intent is to establish a surface free of any sharp stones or rocks that may puncture the liner and cause a leak.

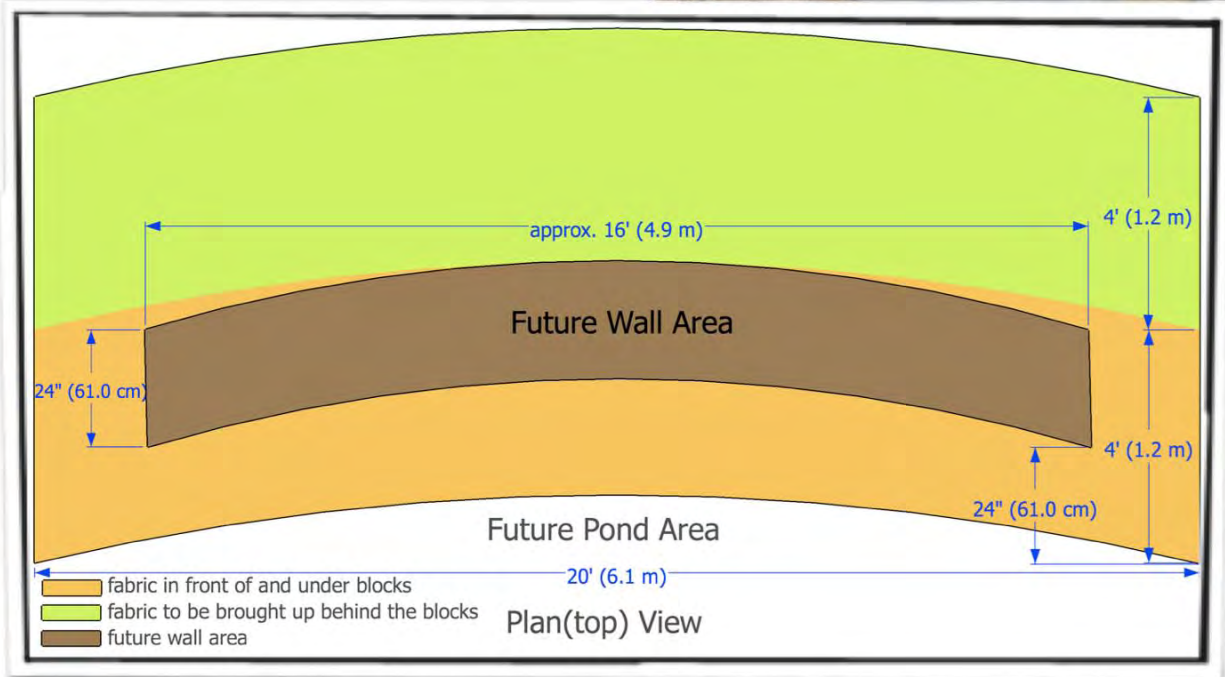
Do not skip compaction of the sand layer.



Set aside the 8' x 20' (2.4m x 6.1m) piece of fabric.

Use the included 10' x 25' (3.0 m x 7.6m) and 15' x 25' (4.6m x 7.6m) pieces of fabric, felt type material, as one 25' x 25' (7.6 m x 7.6 m) piece, and cover the prepared base, bank, and pond area.

Place the pond liner, heavy rubber, over the filter fabric. Lay the 8' x 20' (2.4 m x 6.1 m) piece of fabric over the area at the base of the wall leaving about 24" (61.0 cm) in front of where the block will go. See the illustration below.







Stage pallets of block near your work area.

Use the lifting device to handle blocks.



Be sure to use the safety pin.



Knock heels off of base level of blocks. Be sure to smooth the bottom of the block to prevent tearing the liner.

Be sure to smooth edges. Protruding sharp edges may tear liner.

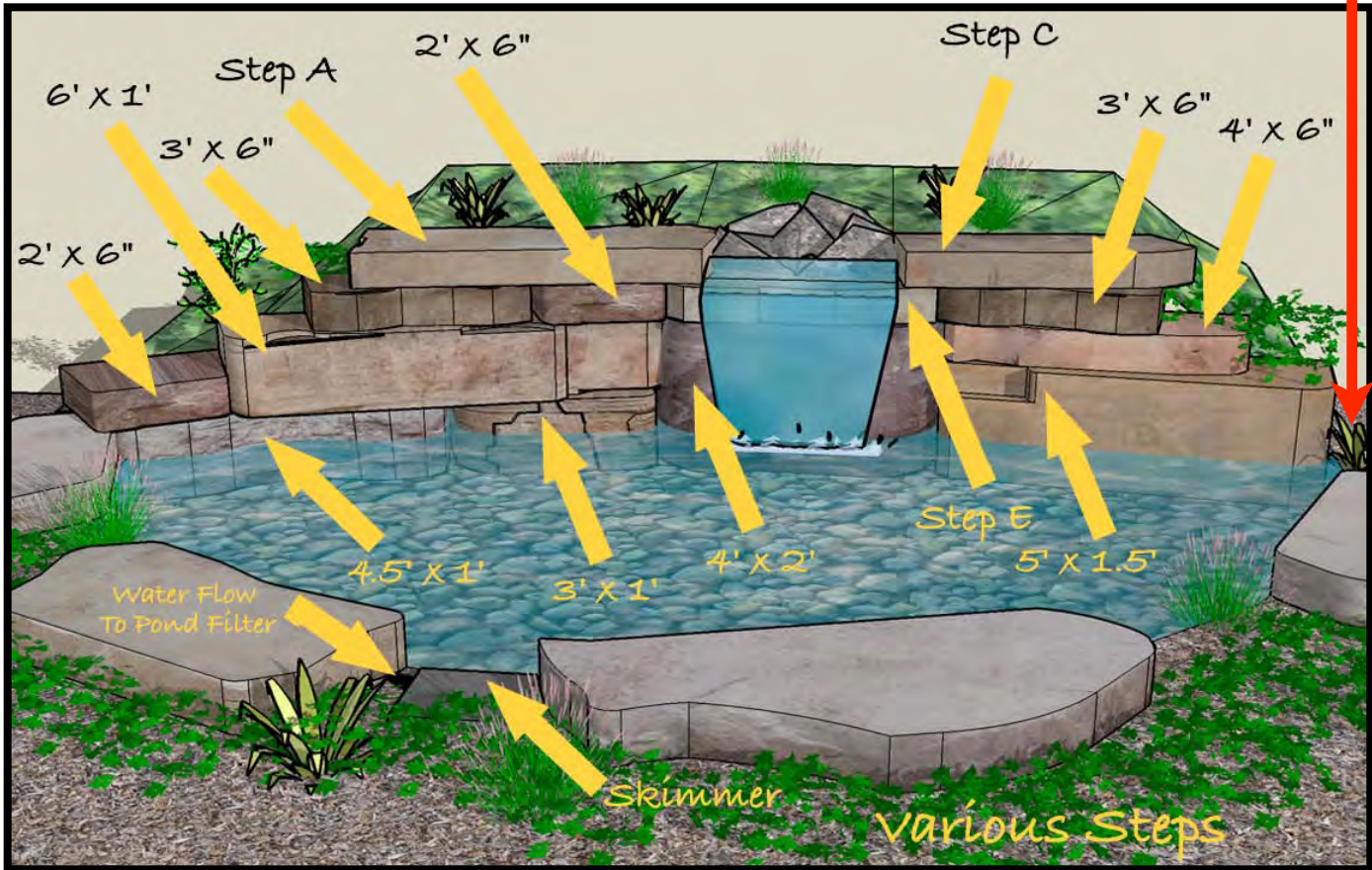
Never place your body underneath hanging blocks.



Set the bottom row of blocks. Make sure to check each block with a level. The sand base may need to be adjusted to get the blocks level. Set block according to the figure below.

Only set the bottom row of blocks at this time. Be extremely careful not to drive on, step on, or puncture the liner in any way. A small hole will cause the pond to leak.

**Important Note**  
 Step elevation is 6" (15.2 cm) higher than the base of the wall.





Pull fabric up tight behind blocks, and backfill with rounded stone, the void between the pond liner on the bank and the blocks.



#### Backfilling Notes:

- Fabric behind the blocks is required to prevent the stone backfill from sifting out through the cracks between the blocks.
- The pond liner should lay up against the dirt behind the wall.
- Be sure to use small rounded stone to prevent puncturing the liner.



Set remaining blocks and place pond filter. Make sure to level the pond vault.



Connect the water line to the pond filter and finish backfilling the wall. Run the other end of the pipe around the wall to be attached to the pump in the pond skimmer.



Fill the gap between the pond vault and the blocks with a water proof, expandable foam. This will minimize water leakage behind the wall and improve the flow of the falls.

Wear rubber gloves when handling foam.



Spread sand around the pond to create a base for outlining steps. Make sure the sand is 6" (15.2 cm) higher than the base of the wall.

Install pond skimmer along edge of pond. Refer to pond skimmer installation guide for details. Pump is installed in the skimmer. Hire a licensed electrician to hook up the pump's electrical component.



Place the steps around the pond. Use two slings to handle the steps. Be careful to not rip the liner when setting the steps.

Make sure to check straps for any rips or other points of weakness before using them.



Check the steps to insure they are properly leveled.

Final adjustments to block may need to be made by hand. See detail to understand how to terminate the liner.



Optional:  
Place well-rounded field stone in the bottom of the pond.



Remember:

1. The pond liner must extend above the water level or the pond will leak.
2. Take care to not puncture the liner.
3. If liner is punctured, it can be repaired with the included pond repair kit.



Landscape around the pond area. Trim and hide any excess pond liner.



**ROSETTA**<sup>TM</sup>  
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Walls



Steps



Accents

