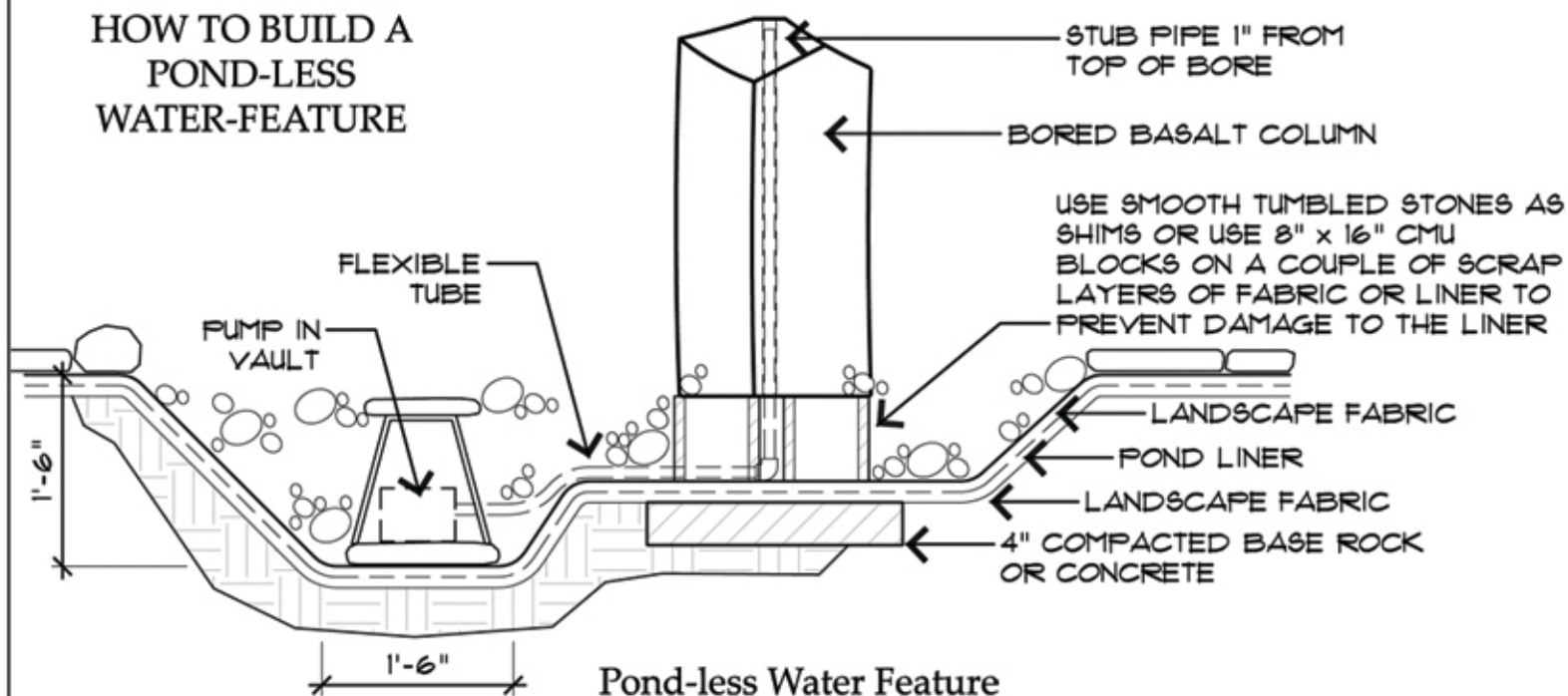


## HOW TO BUILD A POND-LESS WATER-FEATURE



1. Excavate for your water-feature based on the scale of your project following the basic guidelines above. If in doubt, dig out more than less as the feature will tend to shrink as you add rock. Also consider splash and wind direction to be sure your area is sufficient for containing splash.
2. Place base rock or pour concrete to support the weight of your water feature bubbler. If the feature rock is 1000 lbs. or more, pour the concrete support.
3. Once the hole is dug place 1" of sand and tamp it. Then lay down the first layer of landscape fabric. Now place the liner over the fabric. Be sure the liner fills all of the voids. You should have excess liner after this step is done, you may trim off some of the excess now but Do Not do the final trim until after the feature has been filled with water. Use the scrap under shim blocks or stones.
4. Place the second layer of fabric over the liner. Your liner should now be sandwiched between two layers of fabric. This will help to protect the liner from abrasions both above and below.
5. Run flexible PVC pipe through the water feature with a PVC elbow at the base and enough pipe to get to the pump - all glued together and placed in the bore of the feature rock before standing it up on its shims. Use smooth tumbled stones or cmu blocks as shims with extra layers of scrap liner to prevent damage to the liner.
6. Place pump on smooth stone inside vault (valve box or 5 gal. bucket) and connect the pipe to it. A ball valve and union are recommended fittings to facilitate flow adjustment and removal of pump for maintenance. Cover vault with a piece of flagstone.
7. Once your feature rock is stable backfill with drain rock and finish with decorative stone to suit your landscape.

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