

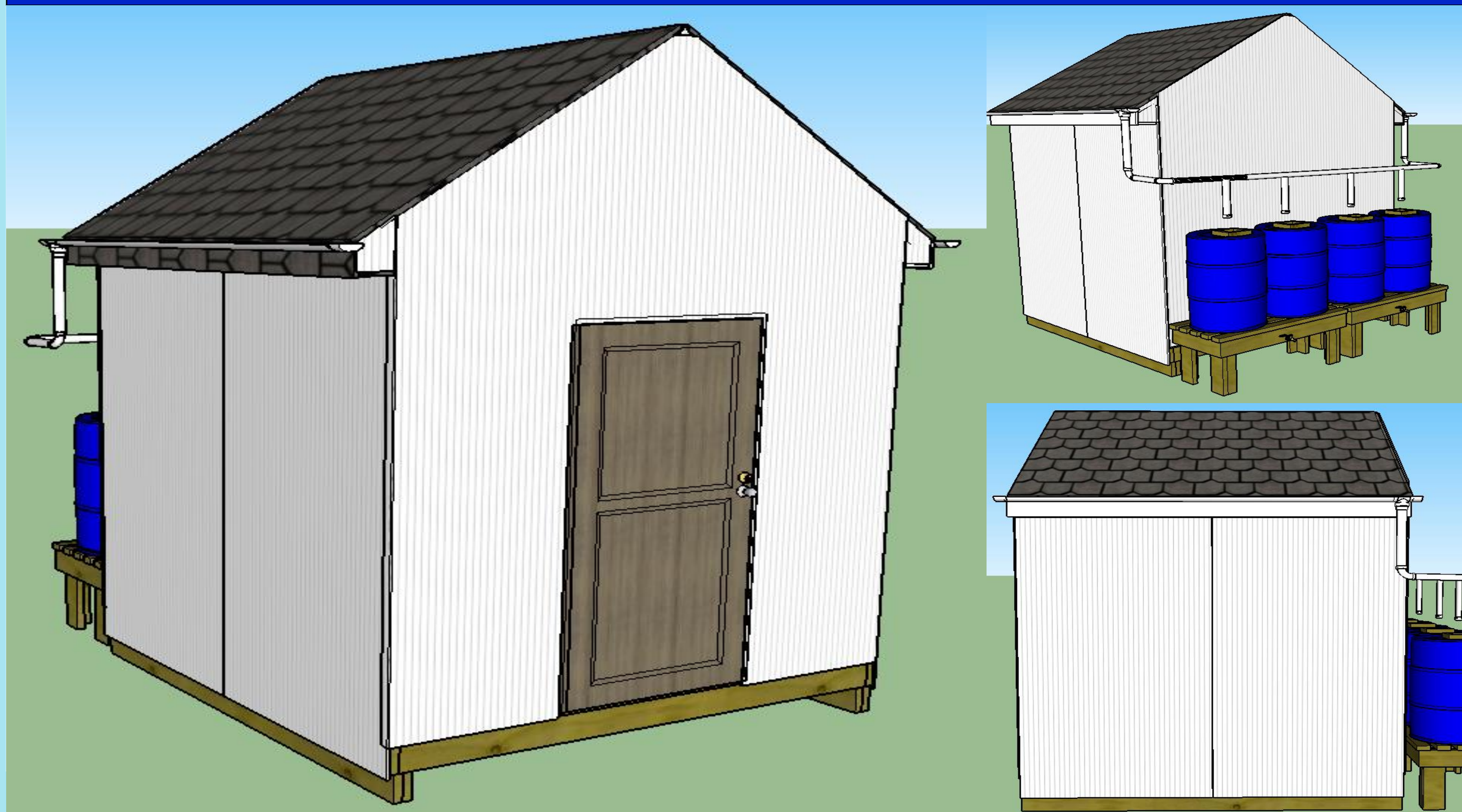
Goal:

To create a sustainable, low-cost, & user friendly rainwater irrigation system for the garden in the arboretum at UGrow in Worcester, MA, as well as other New England farms.

Problem:

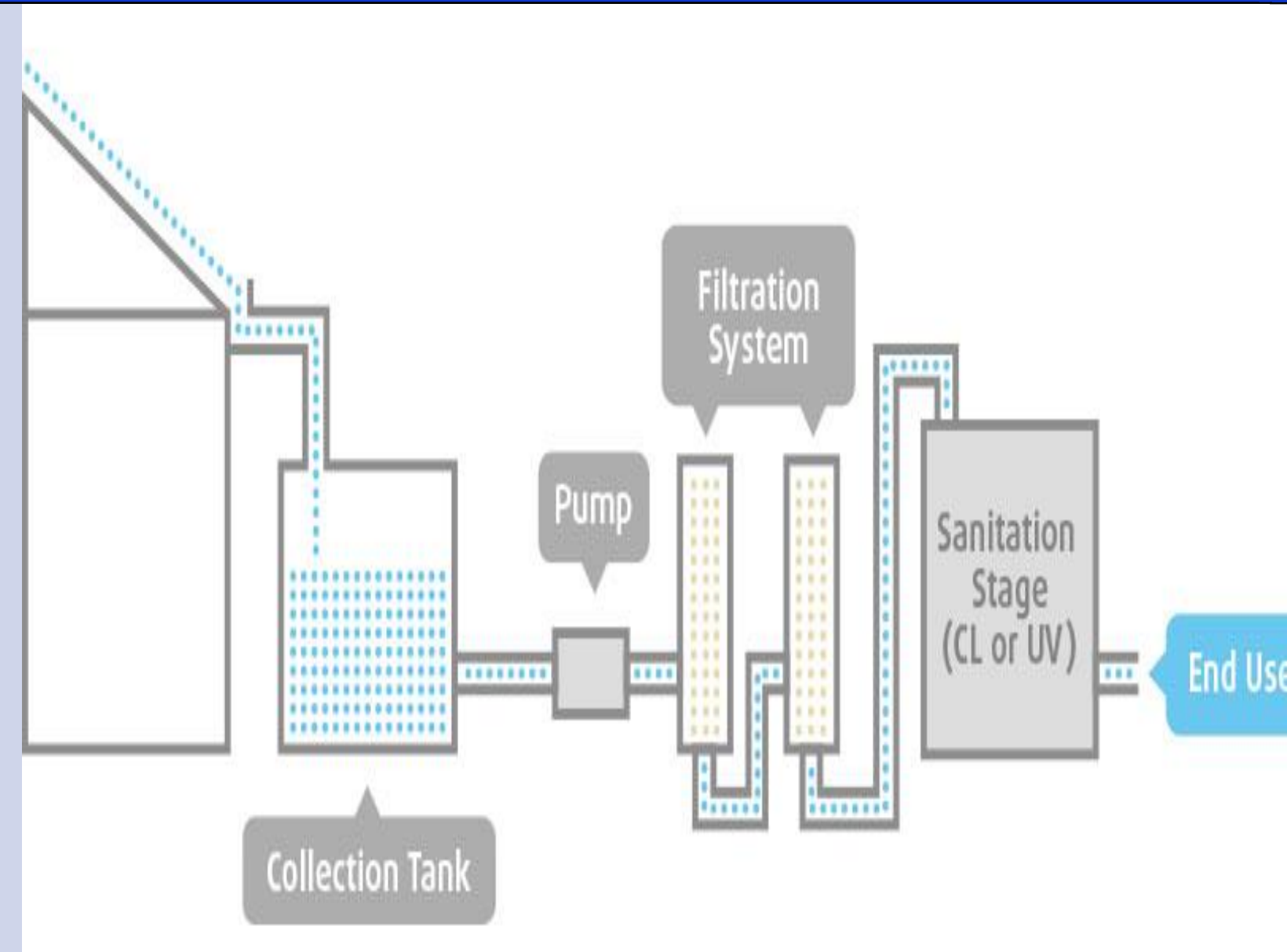
UGrow currently does not have a sustainable source of water nor a source of runoff.

Shed Structure:



How Collection Works:

1. Rain falls on collection area
2. Conveyance system transports water
3. Storage facility holds water for use



Our Plan of Implementation:

Step 1

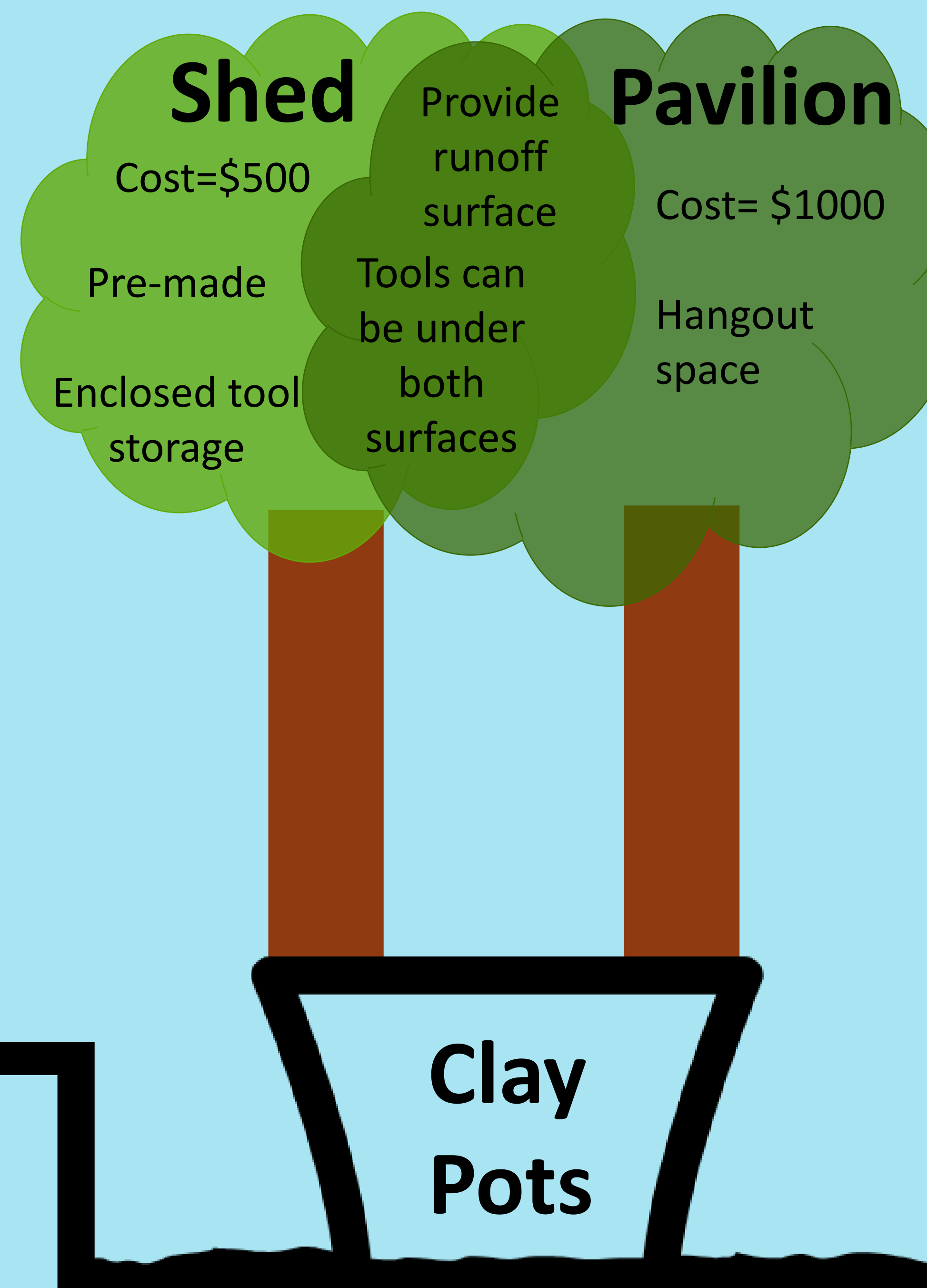
Install tarp solution if the pavilion/shed cannot be purchased

Step 2

Have volunteers install the structure after having adequate funds

Step 3

See if the solution lasts through drought, harsh weather, and is effective in long-run.



Uses an unglazed porous pot for water to soak through

Keeps soil at a constant moisture level

Relatively cheap – Costs about \$30 for a pack of 6

Can withstand New England's climate

Pavilion Structure:



Temporary Solution:

- Attach 3 corners of tarp to 3 trees
- Last corner leads to rain barrel
- Should be on a hill (elevated)

