

Project Document

11th Street Community Garden

Results

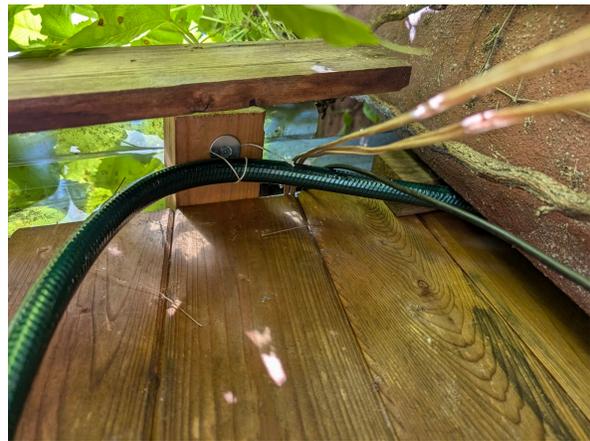
Nearly everything went according to plan. The only thing that changed was the drainage point, which was moved closer to the front of the garden to form a V-shaped slope for the easiest winterizing of the hose. Now the hose reel can easily connect to the barrels at the street.



The hose runs from the front fence along the east building's wall to the rain barrels.

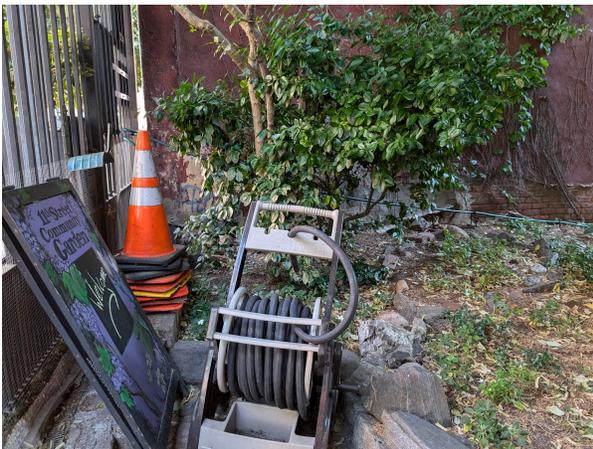


Drainage Point:





Hose reel stored:



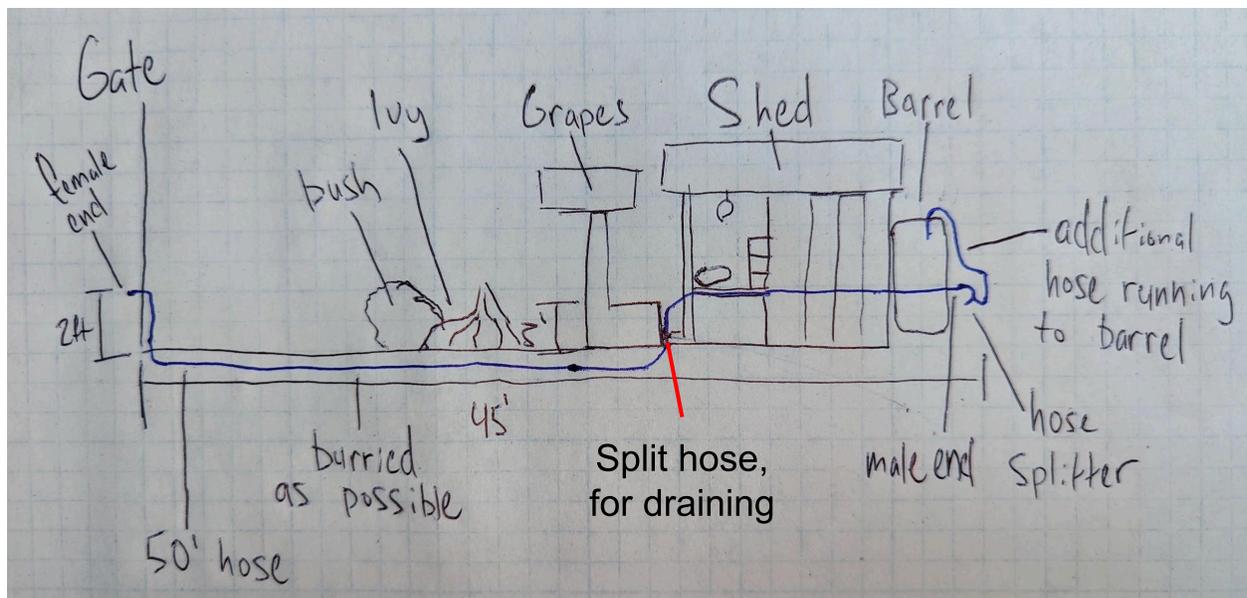
Approved Plan

This project was approved on 10 June 2024 at our general meeting.

Description

Running the hose from the street to the rain barrels is fairly challenging. It needs to follow along a curved path without destroying any of the surrounding plants. In practice, plants are destroyed and visitors often trip over the hose. A buried hose run in a straight line from the gate to the rain barrels would solve these issues.

Sketch



Benefits

This will benefit the membership by making it easier to fill the rain barrels from the hydrant. Plants will be safe from the hose, and visitors will no longer need to step over a hard-to-see hose.

Challenges

If we didn't properly measure the distance, a 50-foot hose might not be long enough. In that case, we can extend the hose with an additional hose.

The ground beneath the potting table under the shed has brick running all the way up to the wall, which means the hose cannot be buried there. To remedy this, we can fasten the hose to the back of the table, where there is a small 2.5-inch gap. It shouldn't be visible and should be kept cleanly out of the way.

The rain barrel should be attached to a hose splitter. We should buy one that clearly shows which side is turned on. When hooking up to the hydrant, we want to avoid a situation where the member sends water in the wrong direction.

There should not be any faucet attached to this line. If there is a way to turn off the hose when it is attached to the hydrant it will take on all the pressure from the hydrant and damage the hose. If you want to stop water flow it can be sent to the black rain barrels which have an overflow. The overflow area could be improved, as it floods fairly quickly. Watering before filling the barrels could mean that you would be able to "turn off" the hose by switching to filling the rain barrels.

We need to ensure that all water drains from the system when it is open. That way, in the winter, we won't need to worry about freezing.

Digging under the ivy and bush planted along the wall could damage its roots. We should be careful not to interfere with it. We might simply weave the hose between the wall and the ivy above ground.

Additional Maintenance

The hose may need to be replaced if it develops holes over time, and the hose splitter may break as it wears. We will need to winterize the system once a year, and then reconnect it before the garden season in the spring.

Funding

We already have:

- 2 50 ft hoses for this project
- Four-way Hose Splitter
- Rope Stakes
- Cheap Hose Reel
- Hose fittings for the hose cut in half

This project does not require any funding.

Space

This project shouldn't take any space away from the garden as it will be buried and hidden away.

Timeline

It should take only an afternoon to fully install.

Steward

The project will be stewarded by Connor.

Details



We can run the hose through rope stakes and zip-tie it to the stakes to keep it straight.



Ross has purchased a hose splitter to run water to various places in the garden. One hose will go to the black rain barrels, one will be attached to a hose reel in the center of the garden, one will be attached to a short length of hose for the green and red barrels, and one will run to the very back of the garden to fill up the back rain barrel.