

Project Proposal

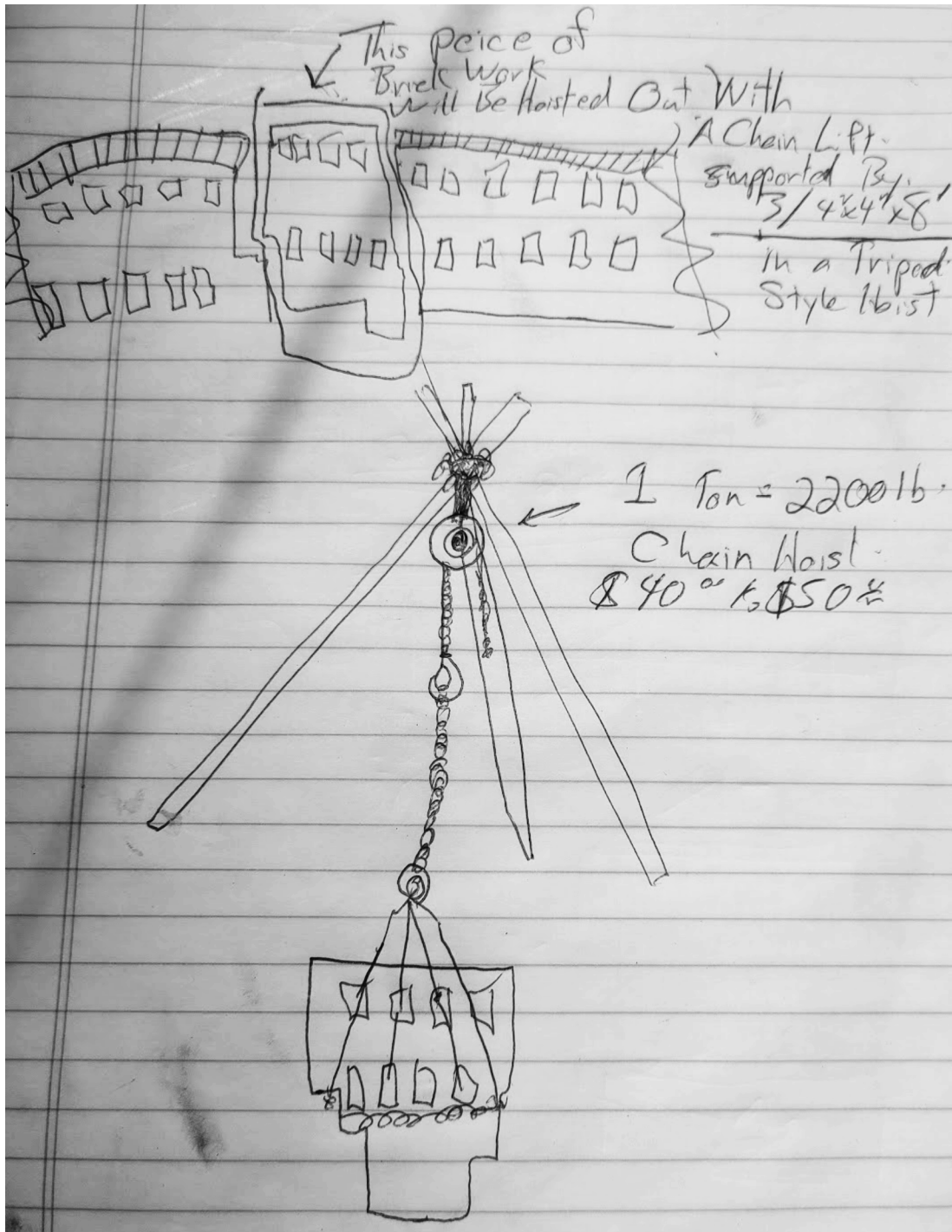
11th Street Community Garden

Description

This will be the repair of the crack that is in the wall of the circular pit seating area.



Sketch



Benefits

This will repair the circular pit seating area's wall so that Al can bring the wood down to complete the seat box and the cantilever benches that wrap around the entire seating area. This should also prevent the brick from further deteriorating.

Challenges

One challenge is to level off the top area where the frost heaved and cracked the brick structure. We will use a chain hoist, "motor puller," supported by three 4x4x8 pieces of lumber. We are going to lift the existing broken piece out of its place. While it is hoisted, we will level off all the bricks and ground below it and then use mortar or concrete epoxy to secure it back into place. This should result in the top becoming level again.

Additional Maintenance

There should be no additional maintenance.

Funding

The budget for this project is **\$115**, but it is estimated to cost only \$105.

Broken down as the following expenditures:

- **\$45** - one-ton chain hoist [to be sold when completed]

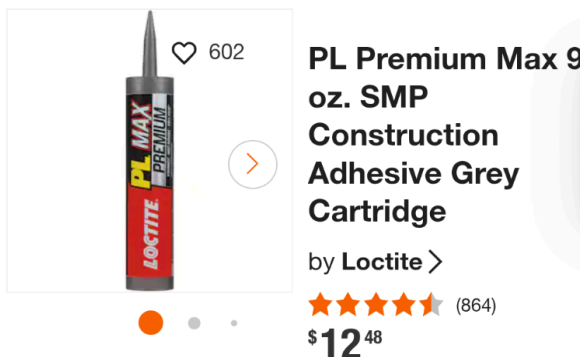


- **\$30** - 6 ft of medium gauge chain (\$4 per foot)



This chain will wrap around the 4x4 lumber, supporting the chain hoist and lifting the cracked brick piece in the circular wall.

- **\$30** - Two tubes of Loctite construction adhesive. This glue is made for fast setting and extreme strength, stronger than conventional brick mortar.



Tools

We already have all the necessary tools besides the chain hoist listed in the budget.

Space



Timeline

This process should take 3 to 4 hours with four people working on this project.

Steward

Ross will lead this project from start to finish, and Al will be consulted on any issues that arise.

Alternatives

Ross has done much research on the best way to patch this crack. This is the best method he could find for speed, convenience, and price. Al has also agreed with this method.

Details

As we already have the 4x4 pieces of lumber, they will be attached at the top with a chain, in a tripod fashion, and then the chain hoist will be hung below that.



At that point, we will use the existing rope in the garden to tie up the cracked section of the circular pit. It will then be slung out from its position so we can work on cleaning up the existing crack in the wall. We will then add gravel for proper drainage underneath, scrape off old mortar if necessary, add the construction adhesive, and then replace the cracked piece into the wall.

We can later add cement and/or mortar to the remaining cracks that need attention.