CATALYSTS FOR CHANGE Barden St Community Garden Learning Center (BCG): Future Innovation

Dr. Jesse Bryson



February 2019

Overview | Future Innovation

VISION – Through a Science, Technology, Engineering, Agriculture and Mathematics (STEAM) Community Garden Project youth will become knowledgeable, healthy adults who understand the basics of growing food, can apply science principles to garden ecosystems, steward the natural world, eat fruits and vegetables, and contribute to a thriving community.

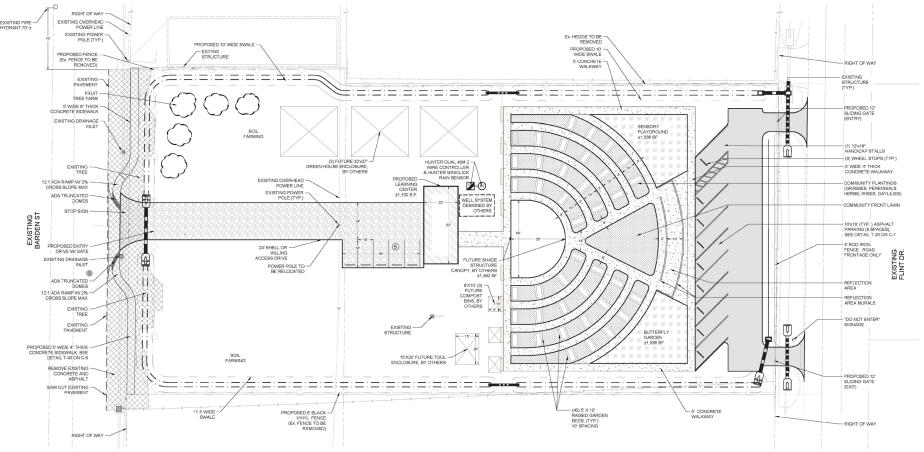
MISSION – Advance our vision by helping local community residents with 21st century organic growing techniques and raised based, onsite vegetable gardens where we teach youth standards-based science and the basics of growing food, using the garden as an outdoor laboratory.



Impact Opportunities



4 | Micro-forecasts from the Game



Location Map:



Site Data:

STRAP# 20-44-25-P1-0090C.0070

Owner of Record: City of Fort Myers c/o Finance Dept. PO BOX 2217 Fort Myers FL 33902 Site Area: 1.95 Ac. Zoning: Commercial Intensive

| CALL BEFORE YOU DIG: | |
|-----------------------------------------------------------------------------------------------|--|
| SUNSHINE STATE ONE CALL CENTER PHONE: (800) 432-4770 (MINIMUM 48 HOURS NOTICE REQUIRED) | |

Note: Construction stakeout to be off of Approved CAD file



Ouattrone & Associates, Inc.

SAVED BY: 60V SAVED ON: 90 SHE

COMMUNITY GARDEN CONCEPT PLAN



Phase I

Infrastructure & Site Servicing

This initial phase of site development is focused on setting up servicing on the site and establishing the entrance and parking area. This will include installing a municipal water connection and the pit toilet facilities

Activities Summary

- Establish site entry and parking
- Install well water
- Elevate and pad construction
- Irrigation plan
- Orchard seed plan

Phase II

Infrastructure

The second phase will focus on development of the areas where programming on the site will take place, as well as any necessary infrastructure to support food production. This will include delineation of annual production areas, building signage and reflection wall with flags and outdoor classroom areas. This phase involves the development of orchard production areas and supporting infrastructure. Once this phase is complete, it would be possible for food production to begin. The remaining phases are primarily focused on environmental restoration and habitat enhancement.

Activities Summary

- Construct signage and reflection wall
- Establish classroom infrastructure
- Build rubberized walking pathways
- Plant orchard annual production areas
- Art wall
- Irrigation lines & water distribution board







Activities Summary

- Construct raise box areas
- Plant pollinator corridor
- Prepare compost areas
- Prepare vertical planter and Aquaponic system

Phase III

Planting Areas

The third phase will focus on planting areas, including the pollinator corridor. This stage provides a good opportunity to engage with the community recruiting volunteers and students to help with planting. It also represents a good opportunity to initiate the planting of perennial crops.

Phase IV

Site Naturalization

The final development phase will focus on planting ecological and perennial crops in orchard areas. During this phase, the areas designated as buffer plantings will be prepared and planted with a variety of native species that are appropriate for growing within hydro ROWs. There is opportunity in this phase to engage volunteers, school groups, and the general public in planting perennial plant material in the orchard and buffer planting areas. This phase can be completed at once or divided into additional phases, depending on available funding resources.



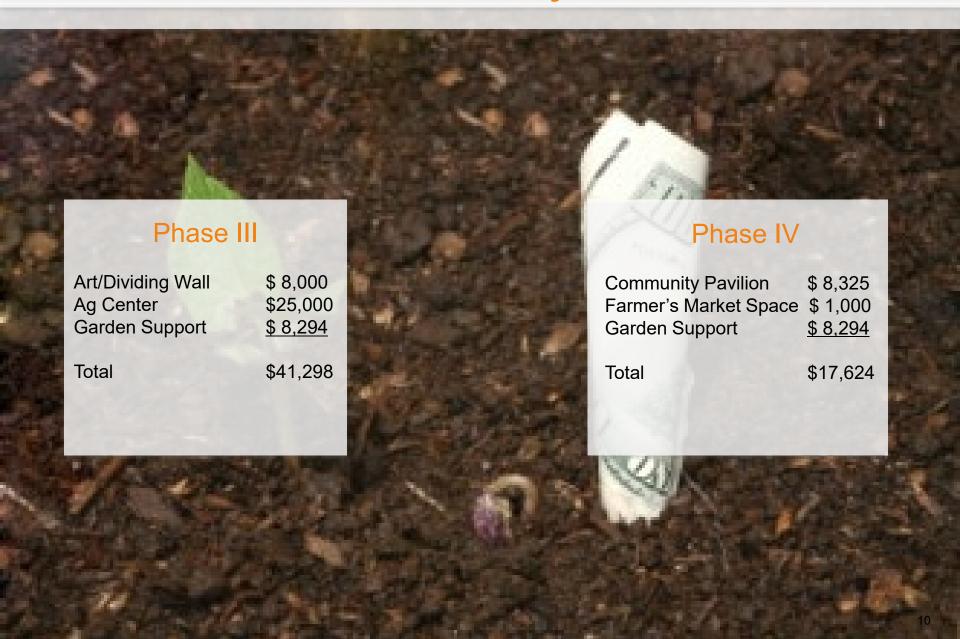
Activities Summary

- Plant raised box areas
- Plant buffer areas

Cost Analysis



Cost Analysis



















Questions

