

## WATERMAN COMMUNITY GARDENS ENHANCEMENT PROJECT JANUARY 6, 2020 – DRAFT

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### LONG-TERM GOAL – COMMUNITY AND HUMAN NUTRITION GARDEN-BASED PROGRAMS

The goal of this project is to establish long-term plans for centralized Community and Human Nutrition Garden-based Programming which supports the three mission areas (outreach and engagement, education, and research) of The Ohio State University College of Food, Agricultural, and Environmental Sciences (CFAES), as well as the worldwide One Health initiative to expand interdisciplinary collaborations with other entities who share in this common mission. These interdisciplinary relationships enhance the one university comprehensive model, and work to strengthen existing collaborations with the Wexner Medical Center.

- The location will be sited on the Waterman Agricultural and Natural Resources Laboratory (Waterman).
- This plan should provide direction on the physical steps required to improve the site in a logical order so that the site can accommodate these long-term improvements.
- Plans should recommend a phased, logical sequence for implementing site improvements with consideration for minimize disruptions to ongoing Waterman programs.
- **This project will include detailed recommendations for the immediate Ross Heart Hospital Community Garden which will be relocated from the Columbus Midwest Campus this spring. (Priority: Construction of this project needs to be completed in Spring 2020. This scope is a priority and will require more detail than the balance of recommendations.)**

### IMMEDIATE NEED – ROSS HEART HOSPITAL COMMUNITY GARDEN

Relocate the existing Ross Heart Hospital Community Garden from its current location (within the proposed Engie CHP Plant site on the Columbus Midwest Campus) to Waterman. This relocation creates an opportunity to site this program within an existing, centralized hub that supports similar programs at Waterman.



**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES

## PROGRAMMING ZONES

- 1) **Ross Heart Hospital Community Garden**
  - **Physical relocation from Columbus Midwest Campus**
  - **Requires an illuminated, ADA accessible route to and through the gardens, near parking for approximately 40 raised garden beds with minimal infrastructure**
  - **The most ideal site is the east end of an existing gravel pad, adjacent to the southwest corner of the KBFCEB. Installation of a pedestrian gate would allow easy access from the gravel parking lot. A secondary option is to place the beds on concrete blocks in a field plot along the east side of KBFCEB**
- 2) Additional Garden Plots
- 3) Three Season Building
- 4) Outdoor Meeting Spaces
  - Lawn area along the south and east sides of the KBFCEB; consideration for easy maintenance (gravel buffer to mow up to concrete patio w/o trimming)
  - Consideration for additional seating, possibly in the form of an amphitheater
- 5) Access to East Side Garden Plots
  - ADA accessible pathways from parking lot
  - Vehicular access, both cars/trucks and agricultural machinery

## SCOPE

Gardens will be located throughout the general area between the Waterman Storage Facility (0133) and Kenny Road, and around the new KBFCEB. **The proposed site for the Ross Heart Hospital Community Garden is the eastern portion of the existing stone pad adjacent to the Southwest corner of the KBFCEB.** Siting needs to consider ease of access for people with limited mobility. Gardens should be situated and delineated with consideration for long-term garden neighborhood, complete with boundaries and wayfinding.

Parking and pedestrian access needs to be suitable and enough for the number of people associated with garden programs. ADA accessibility is required for people with limited mobility from parking areas to gardens, as well as through the gardens. Drainage issues at current parking facilities need to be improved.

Grading and storm water control must be improved to accommodate site access, positive drainage from buildings and gardens, and site storm water improvements. Stormwater control needs to address surface drainage, subsurface drainage, and storm water controls. Improvements may include surface outlets along Carmack road and in the parking areas, and/or subsurface perforated drainage tile in the crop plots. Present conditions do not accommodate storm water from heavy rainfalls.

Soil at and around the recently constructed KBFCB is poorly graded, and it consists of compacted fill. It needs to be replaced with a minimum 12" of fertile topsoil.

Other infrastructure requirements include, but is not limited to irrigation, water hydrants, site lighting, power, and sustainable features.

This project should provide storage recommendations for basic tools associated with the gardens in locations that are convenient to people with limited mobility.

## **DELIVERABLES**

- Possible phased work to accommodate spring 2020 Ross Heart Hospital Garden relocation
- Recommendations for parking, access, drainage, lighting, and landscaping
- Landscape Pencil Sketch Renderings
- Cost Estimates

## **CONSTRAINTS, ASSUMPTIONS, RISK, & DEPENDENCIES**

- The Ross Heart Hospital Community Garden is expected to be complete and functional in Spring 2020
- Waterman Operations needs to know the location no later than February 1, 2020 in order to coordinate and facilitate plantings for this year
- The site improvements must look beyond the specific needs of this project. It must support and improve the overall Waterman Agricultural and Natural Resources Laboratory as one large, ongoing, functioning and operational system
- Recommendations from this project should be coordinated with the 2019 CFAES Facility Master Plan.