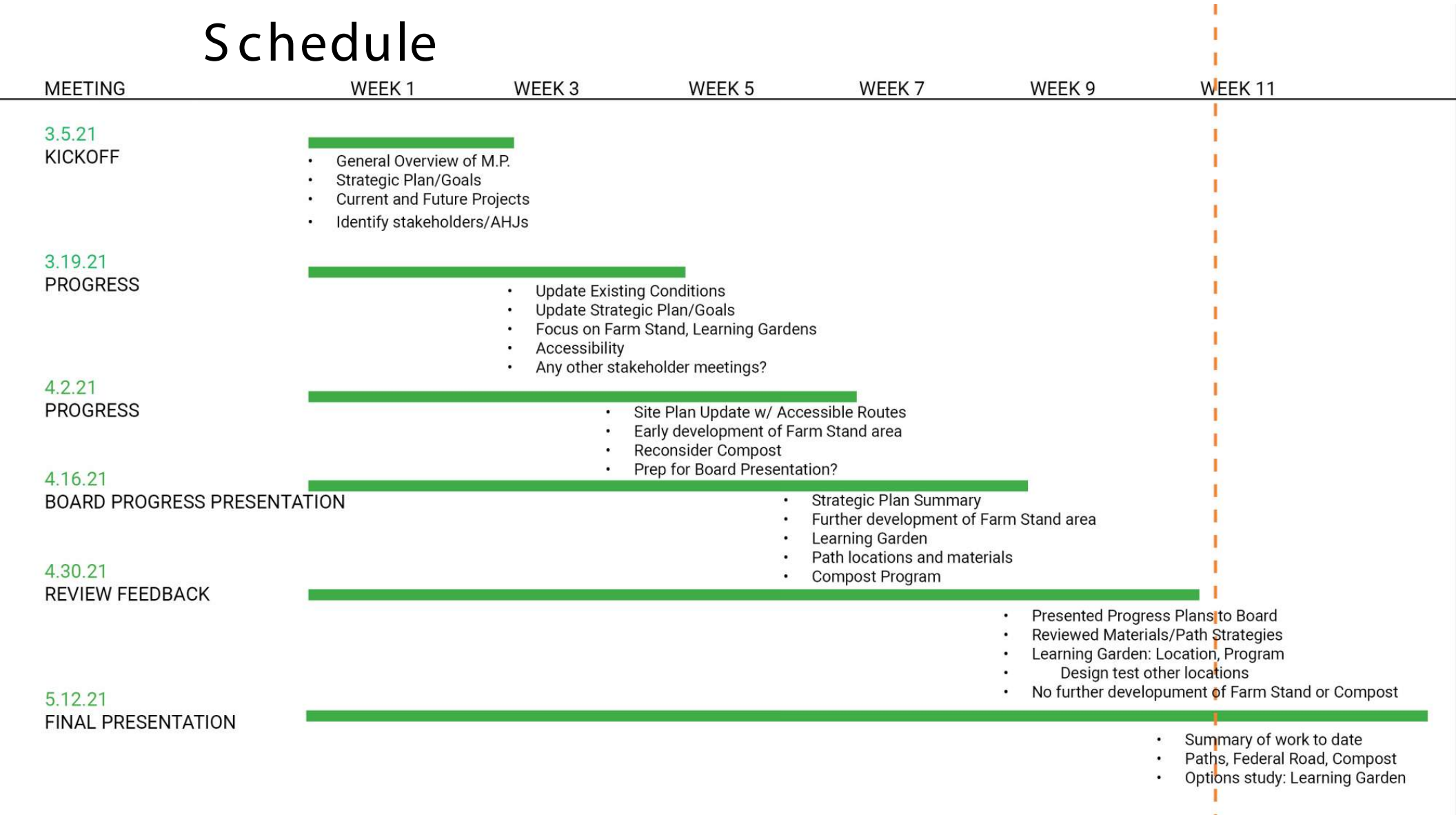
BARRINGTON FARM SCHOOL

MASTER PLAN

Monday May 17, 2021

WestFaulkner

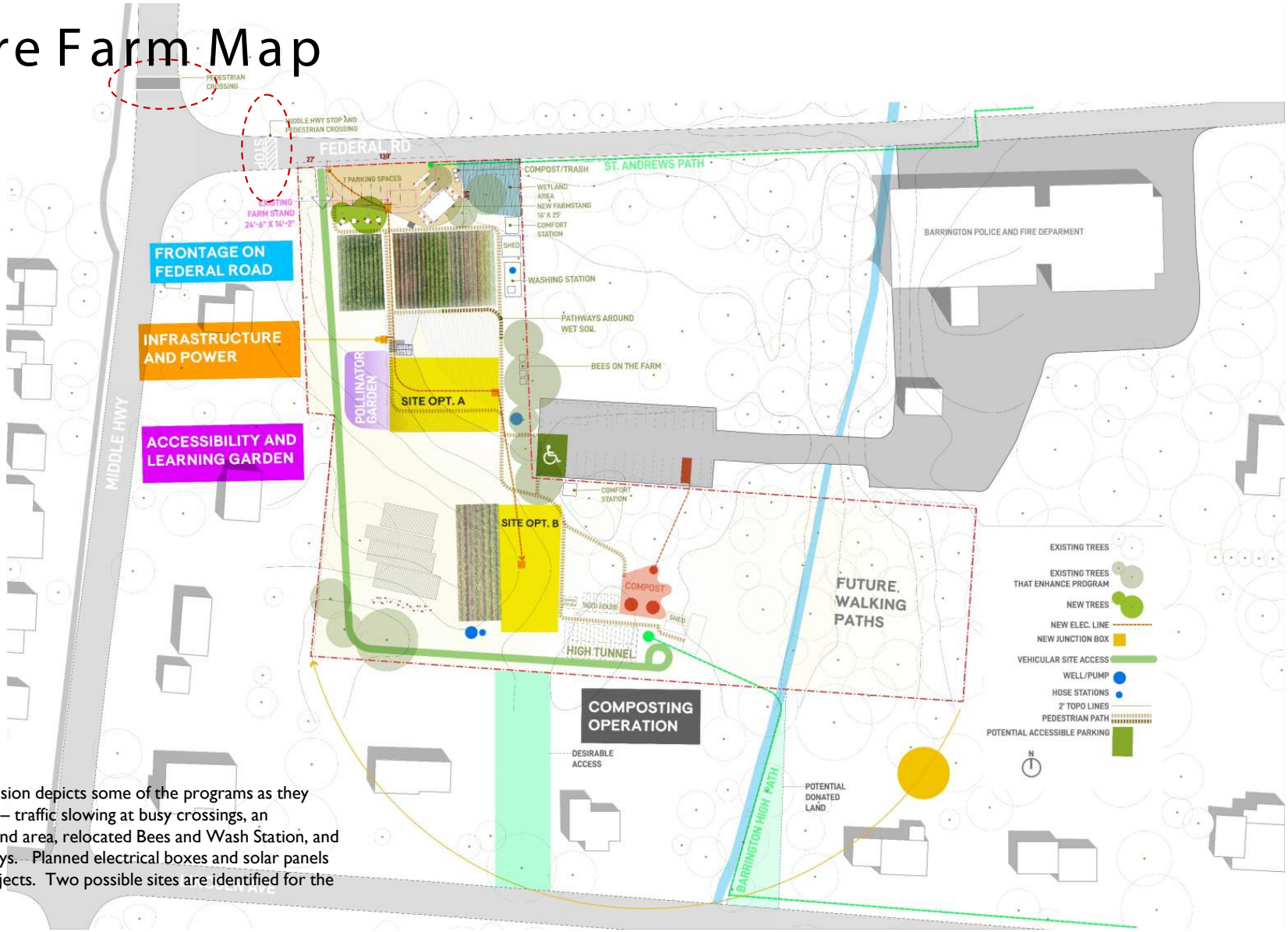
Schedule


MEETING
WEEK 1
WEEK 3
WEEK 5
WEEK 7
WEEK 9
WEEK 11
3.5.21
KICKOFF
General Overview of M.P.
Strategic Plan/Goals
Current and Future Projects
Identify stakeholders/AHJs
3.19.21
PROGRESS
Update Existing Conditions
Update Strategic Plan/Goals
Focus on Farm Stand, Learning Gardens
Accessibility
Any other stakeholder meetings?
4.2.21
PROGRESS
Site Plan Update w/ Accessible Routes
Early development of Farm Stand area
Reconsider Compost
Prep for Board Presentation?
4.16.21
BOARD PROGRESS PRESENTATION
Strategic Plan Summary
Further development of Farm Stand area
Learning Garden
Path locations and materials
Compost Program
4.30.21
REVIEW FEEDBACK
Presented Progress Plans to Board
Reviewed Materials/Path Strategies
Learning Garden: Location, Program
Design test other locations
No further developument of Farm Stand or Compost
5.12.21
FINAL PRESENTATION
Summary of work to date
Paths, Federal Road, Compost
Options study: Learning Garden

Focus Areas

ACCESSIBLE PATHS
FEDERAL ROAD
LEARNING GARDEN
POWER/INFRASTRUCTURE
COMPOST

Future Farm Map



This overall final vision depicts some of the programs as they might be idealized – traffic slowing at busy crossings, an expanded farm stand area, relocated Bees and Wash Station, and formalized pathways. Planned electrical boxes and solar panels are near-term projects. Two possible sites are identified for the Learning Garden.

Accessible Paths

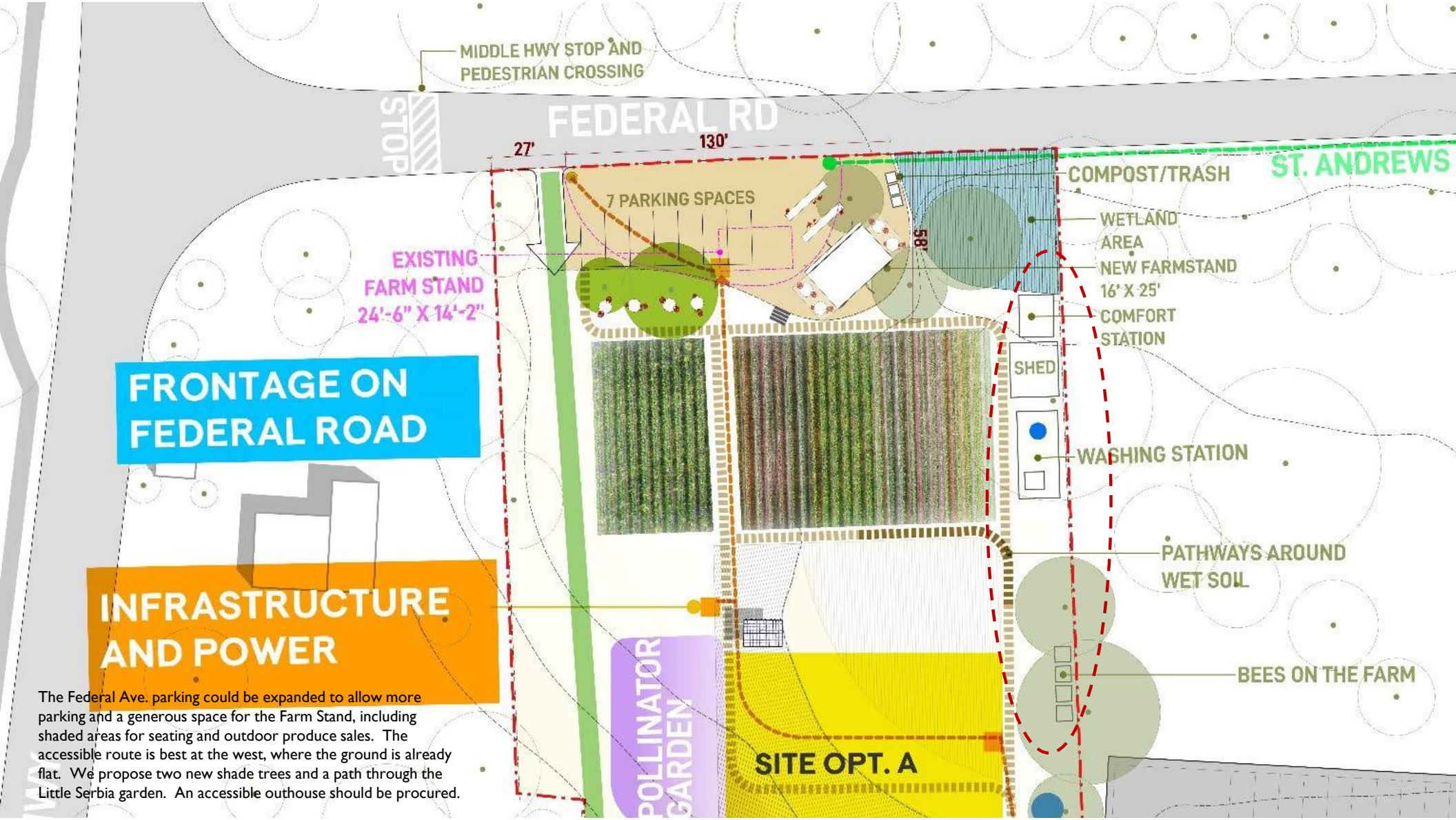
The path network can be realized over time, and not every route needs to have a surface. We recommend the following: Stone Dust Paving with steel edging for the accessible routes; Micro Clover at the driving and utility paths, and raised wood walkway in the areas of wetlands.

The stone dust paving should have a binder to keep the dust from washing out. Paths should be graded flat, with less than a 1:20 slope. The micro clover is not appropriate for an accessible route.
A marked area for vehicles occurs at the western edge; we recommend keeping it close to the southern boundary at the High Tunnel.

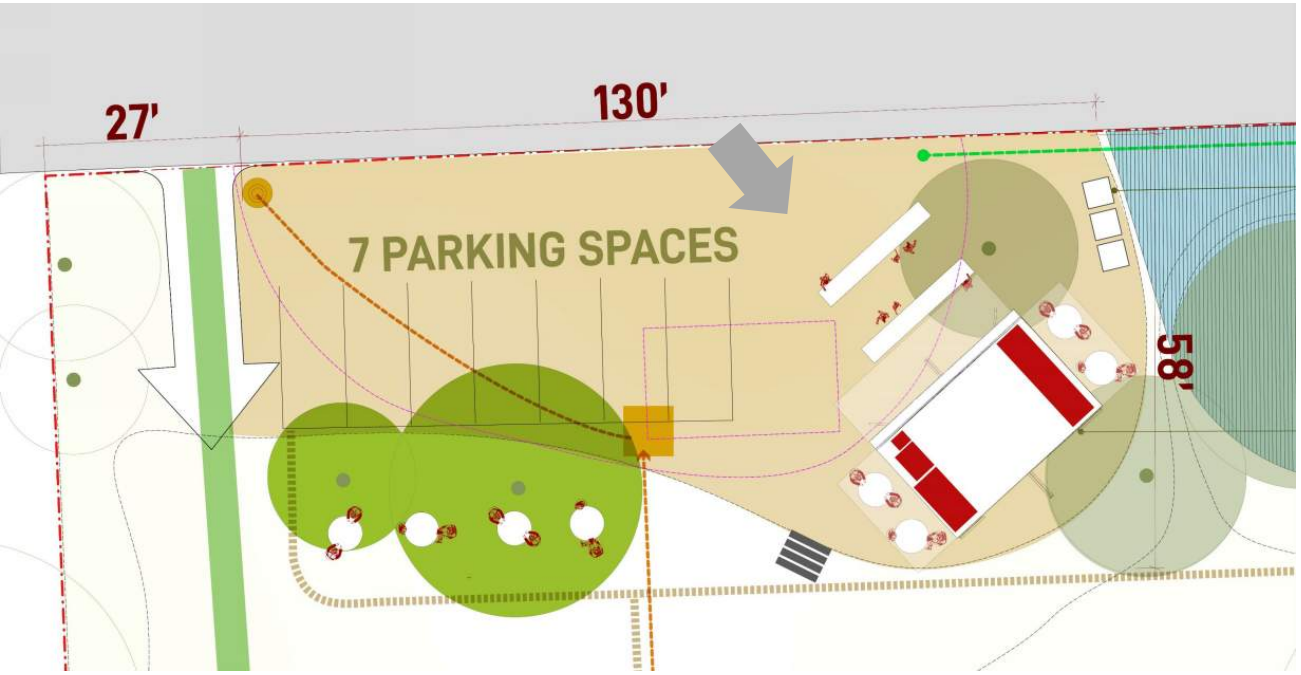
Micro Clover

Stone Dust

Wooden Walk



The Federal Ave. parking could be expanded to allow more parking and a generous space for the Farm Stand, including shaded areas for seating and outdoor produce sales. The accessible route is best at the west, where the ground is already flat. We propose two new shade trees and a path through the Little Serbia garden. An accessible outhouse should be procured.



The proposed new farm stand is not larger than the existing but includes more space for storage and expanded shade areas. An expanded flat zone at the farm stand will require soil retainage along the southern edge. We propose the Geogrid (next slide) to hold back the dirt while allowing for plants.

GeoGrid or GeoCell $$$

BFS Learning Garden Program Components

The People's Garden – Options 2, 4 & 4A

Program

- Approx. 2800 Square Feet (approx. 45'x55')

Teaching Area

- Overhead structure for shade (accommodate solar panels?)
- Tables (Chairs? Benches?)
- Storage

Planting Beds

- Eight U-shaped raised beds for people in wheelchairs to work with soil/plants
  Consider alternate planting bed types

Plant-lined Corridor w/ Climbing Vines

- This can be incorporated into Teaching Area, Sensory Garden, and/or Children's Area

Colorful Glass Wall with Embedded Recycled Bottles

- Like the Climbing Vine Corridor, this can be part of a program area

Rain Garden

Children's Area

Accessible Paths

The fully built-out Learning Garden could include all these program components, approximately 2800 square feet.

The People's Garden – Options 1 & 3

Program

- Approx. 1400 Square Feet (approx. 35'x 45')

Teaching Area

- Overhead structure for shade (accommodate solar panels?)
- Tables (Chairs? Benches?)
- Storage

Planting Beds

- Eight U-shaped raised beds for people in wheelchairs to work with soil/plants
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Rain Garden

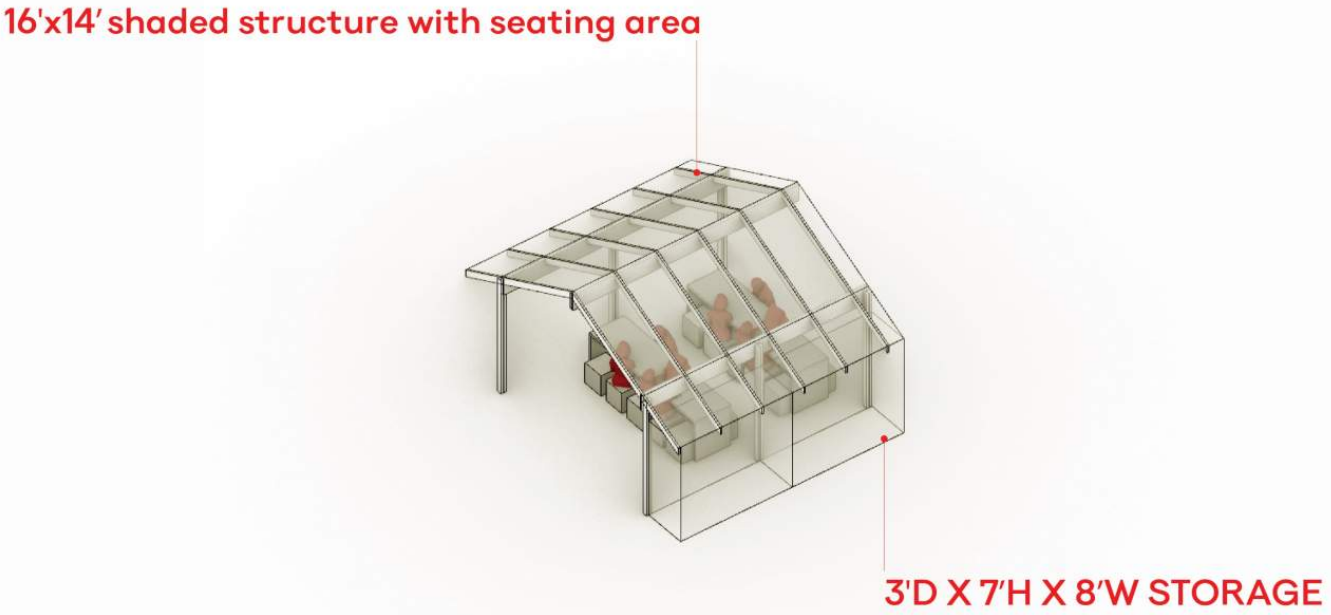
Children's Area

Accessible Paths

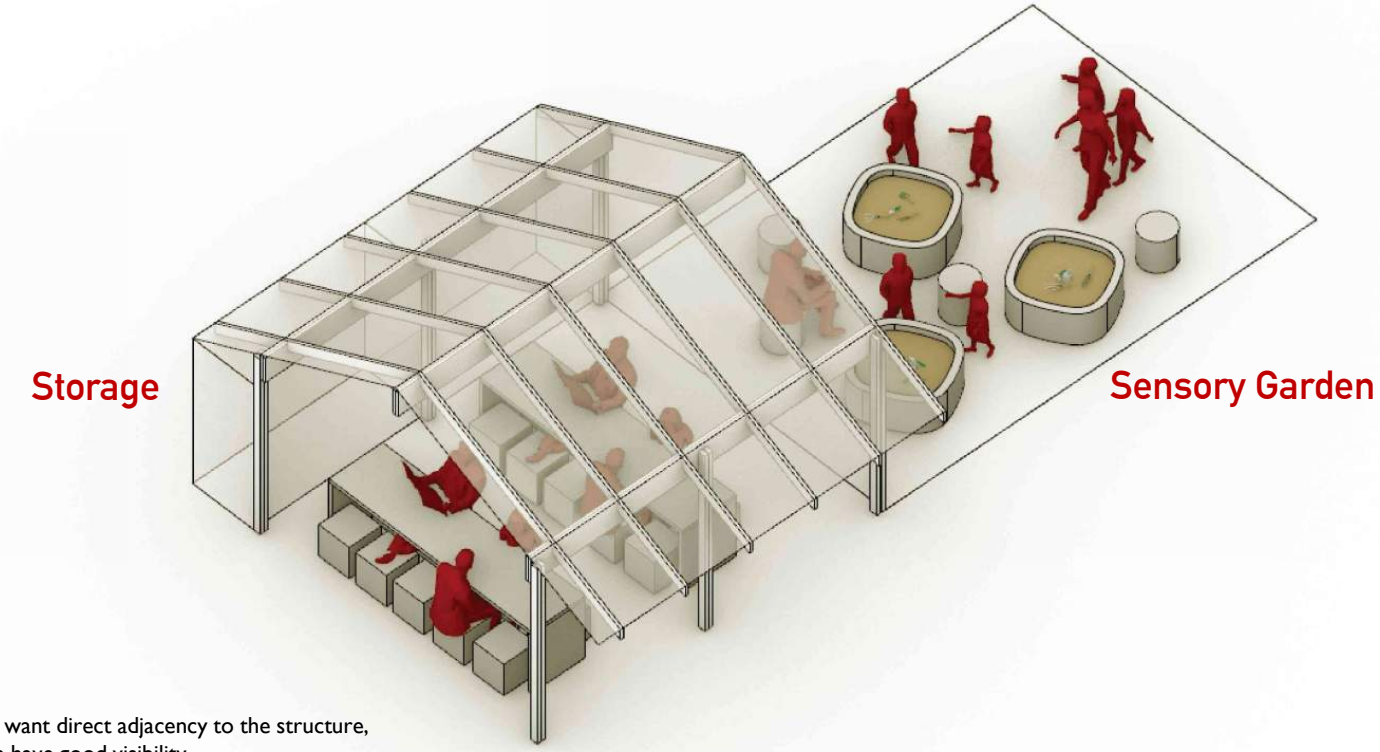
Near term, the Farm may choose to start with the planting beds and Teaching Area. An accessible route must be provided directly from parking lot, either off Federal Road or at the Public Safety Building.

Teaching Area, Shade

Teaching Area, Shade



The Teaching Area can be a lot of things – a temporary structure or a more permanent open building. There should be flexible tables and seating, with the understanding the visitors will have a variety of mobility conditions.

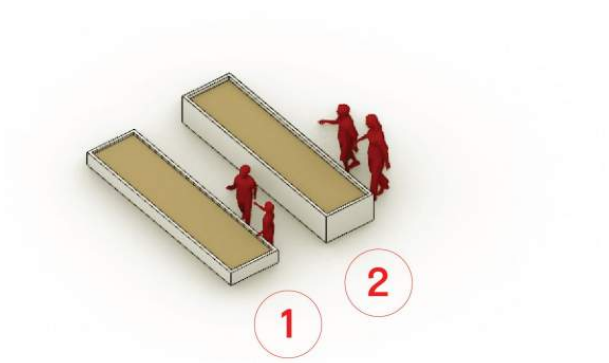


The Sensory Garden may want direct adjacency to the structure, so that a group leader can have good visibility.

Planting Beds

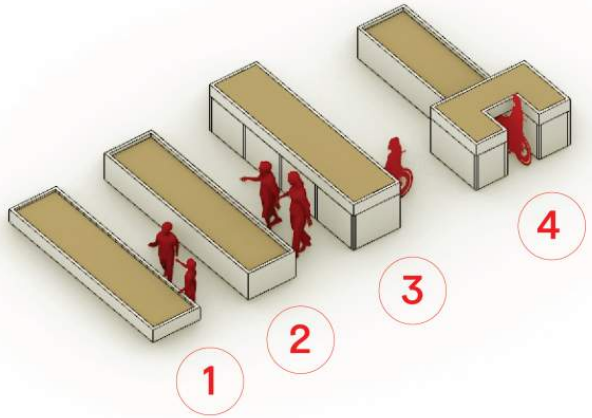
1 Children's planting bed
1'H x 3'W x 12'L

2 Typical planting bed
2'H x 3'W x 12'L



Planting beds should be configured in a variety of heights to accommodate the widest possible range of farmers.

1. Children's planting bed
   1'H x 3'W x 12'L
2. Typical planting bed
   2'H x 3'W x 12'L
3. Accessible planting with 4 zones for wheelchair
   3'H X 3'W X 12'L
4. Accessible U-shaped planting bed with typical planting bed
   2'H X 3'W planting bed/
   3'H X 6'W U-shaped zone/
   12'L total



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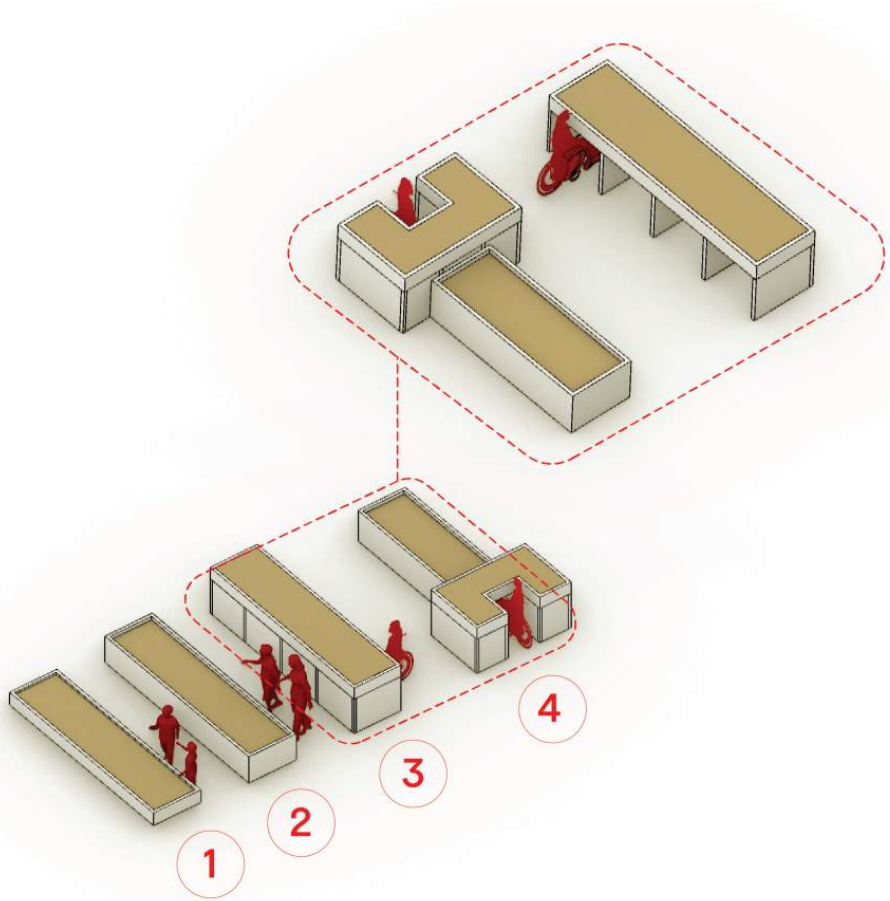
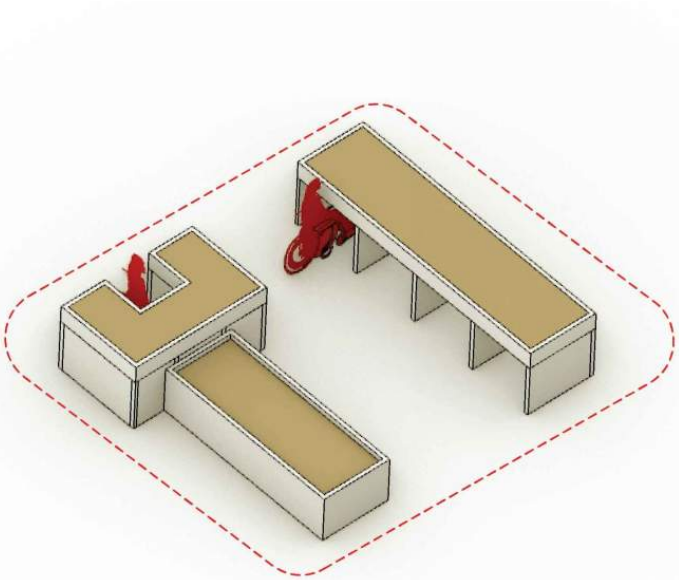
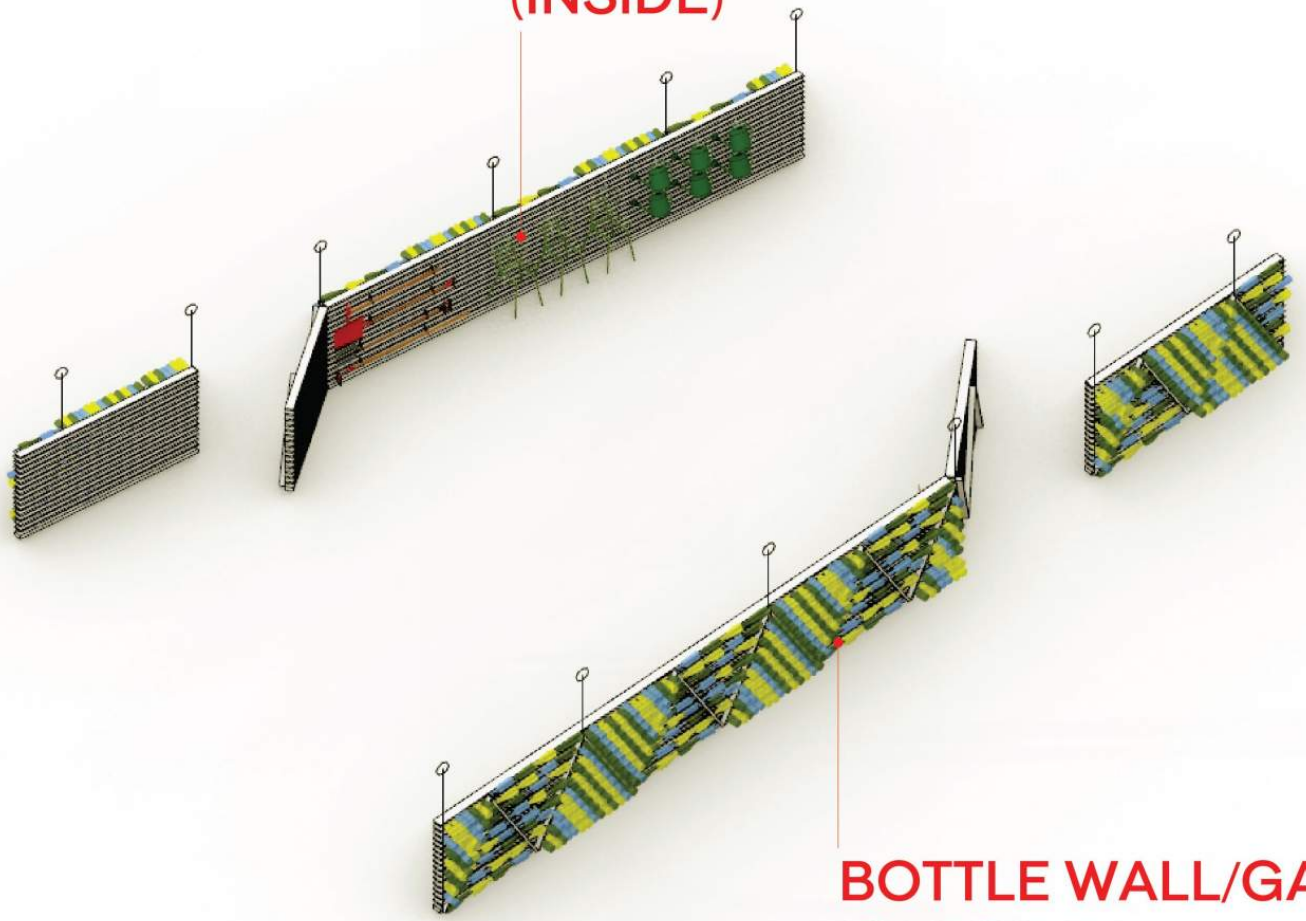




Presence

Presence is that intangible that marks the Learning Garden as a special place within the Farm. Whether a living wall, a sculptural element, or signage, a marker will help support the LGs identity and programs.

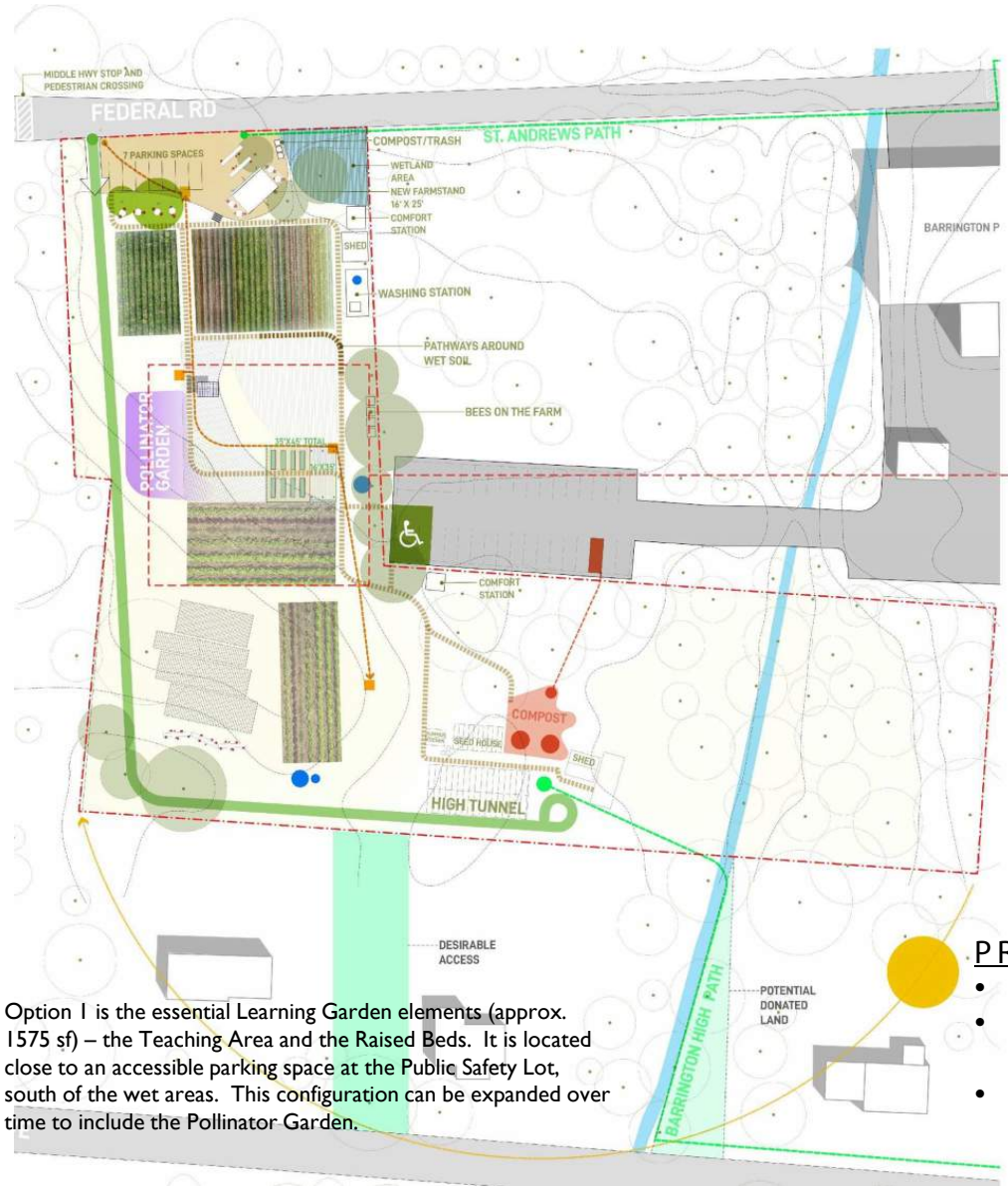
TOOL DISPLAY/STORAGE
(INSIDE)

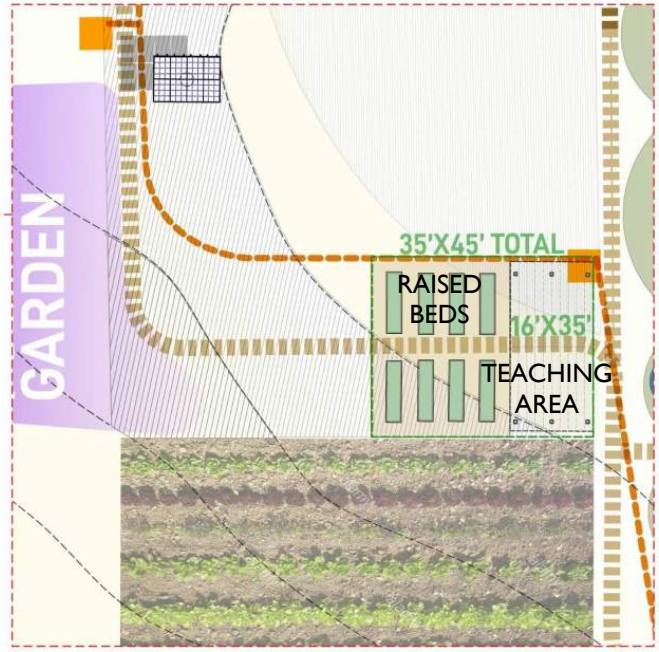


BOTTLE WALL/GATEWAY
(OUTSIDE)

Learning Garden Site Options

Option 1





Option 1 is the essential Learning Garden elements (approx. 1575 sf) – the Teaching Area and the Raised Beds. It is located close to an accessible parking space at the Public Safety Lot, south of the wet areas. This configuration can be expanded over time to include the Pollinator Garden.

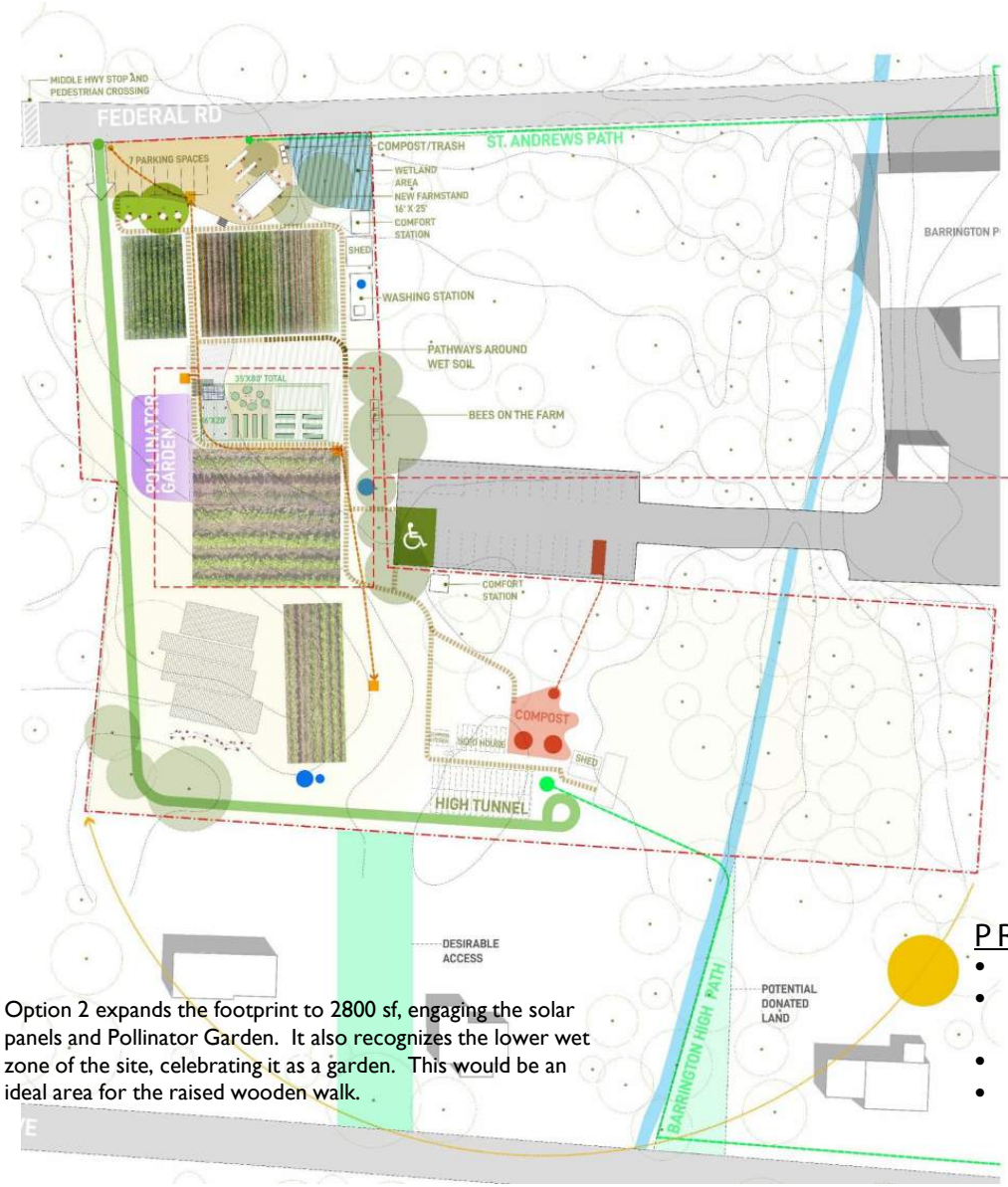
PRO

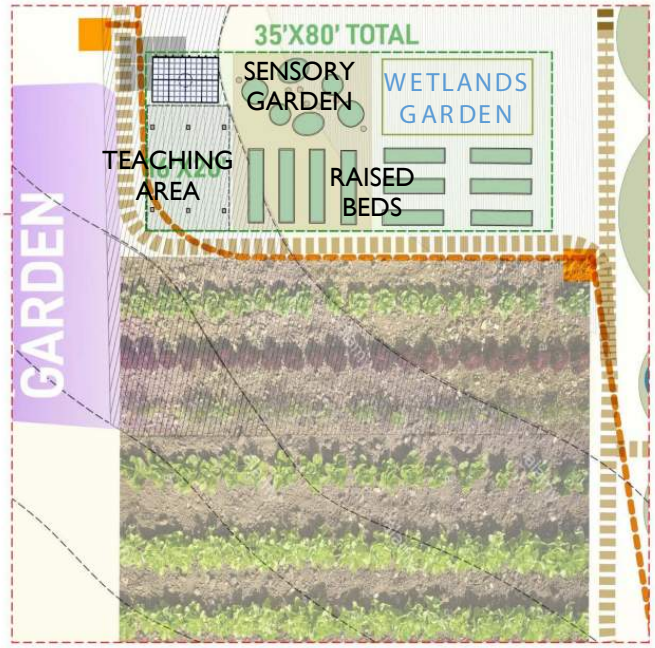
- Short distance from Parking
- Visible from Federal Road and Farm Stand
- Near Wash Station

CON

- Uses possible productive farmland

Option 2





Option 2 expands the footprint to 2800 sf, engaging the solar panels and Pollinator Garden. It also recognizes the lower wet zone of the site, celebrating it as a garden. This would be an ideal area for the raised wooden walk.

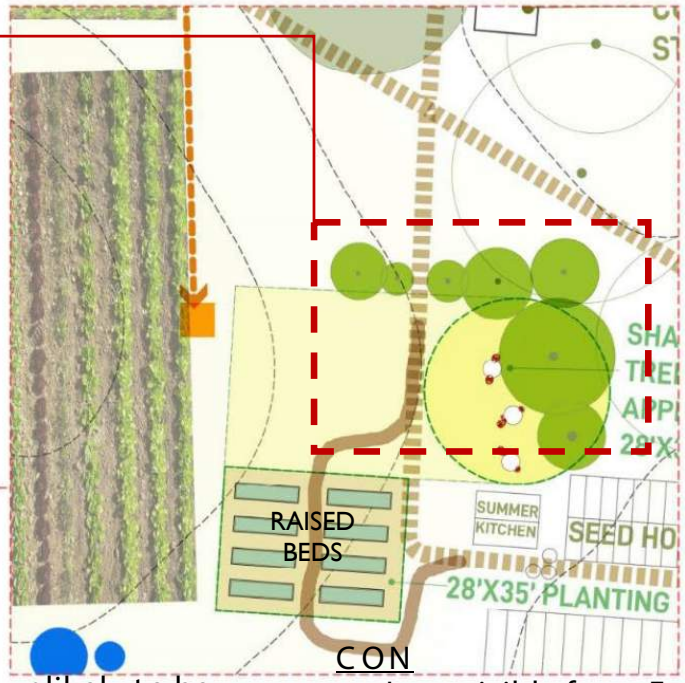
PRO

- Short distance from Parking
- Visible from Federal Road and Farm Stand
- Near Wash Station
- Connects to Pollinator Garden and Solar Panels

CON

- Uses possible productive farmland
- Structures obstruct view to southern farm programs

Option 3
(No Shade Structure



Option 3 is the most minimal of the layouts, only the raised beds at less than 1000 sf. This option co-ops the area north of the Summer Kitchen as a shaded zone. It has neither a Teaching Area nor Storage.

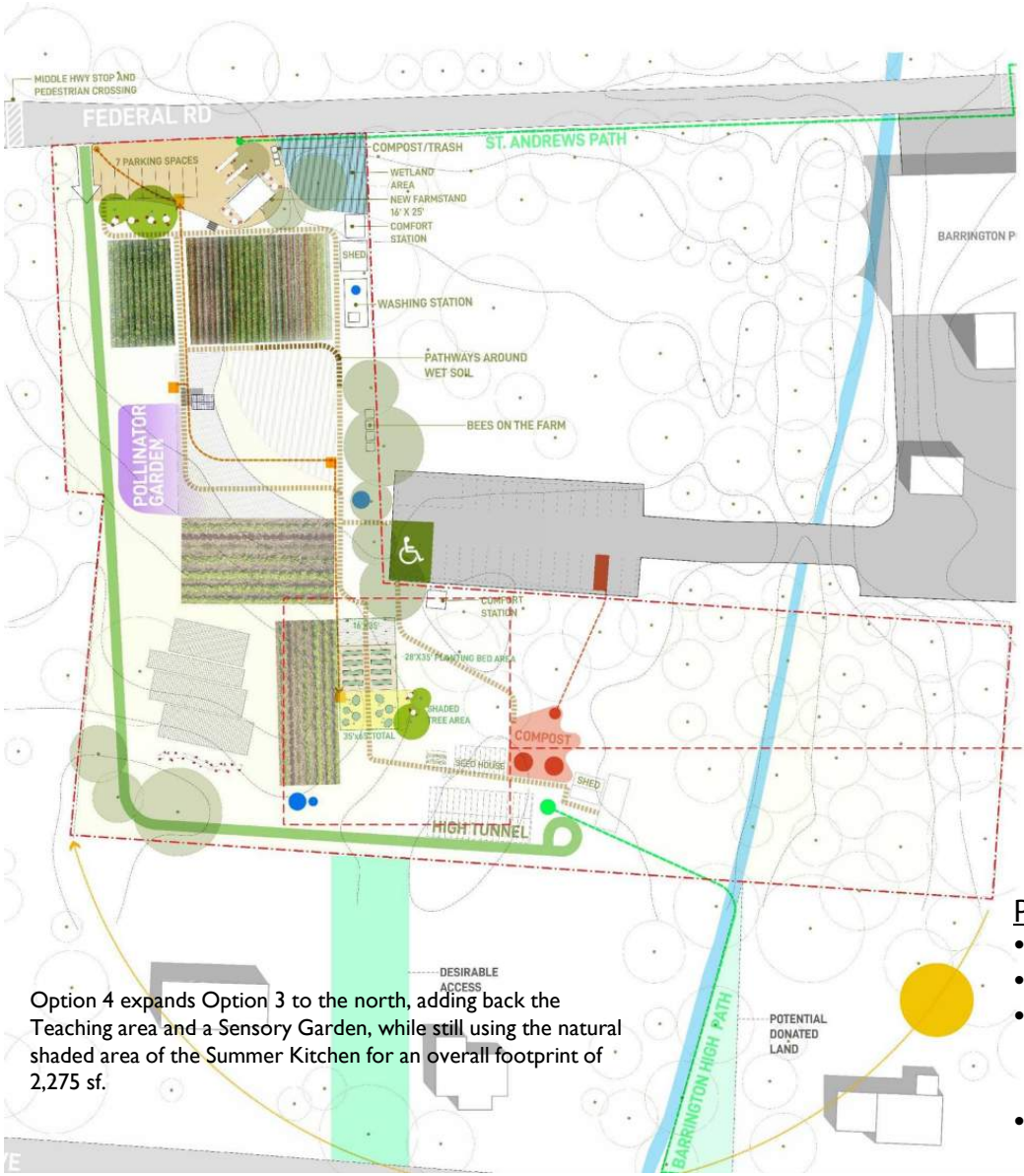
PRO

- Uses land unlikely to be farmed
- Visible from Lincoln
- Easiest to implement and expand
- Learning structure can be supported by trees

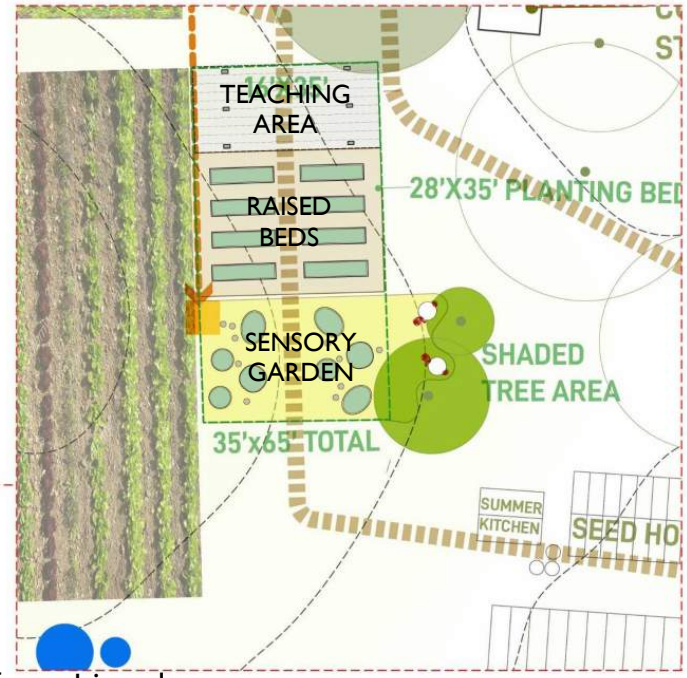
CON

- Less visible from Farm Stand
- Does not have structure or storage

Option 4



Option 4 expands Option 3 to the north, adding back the Teaching area and a Sensory Garden, while still using the natural shaded area of the Summer Kitchen for an overall footprint of 2,275 sf.



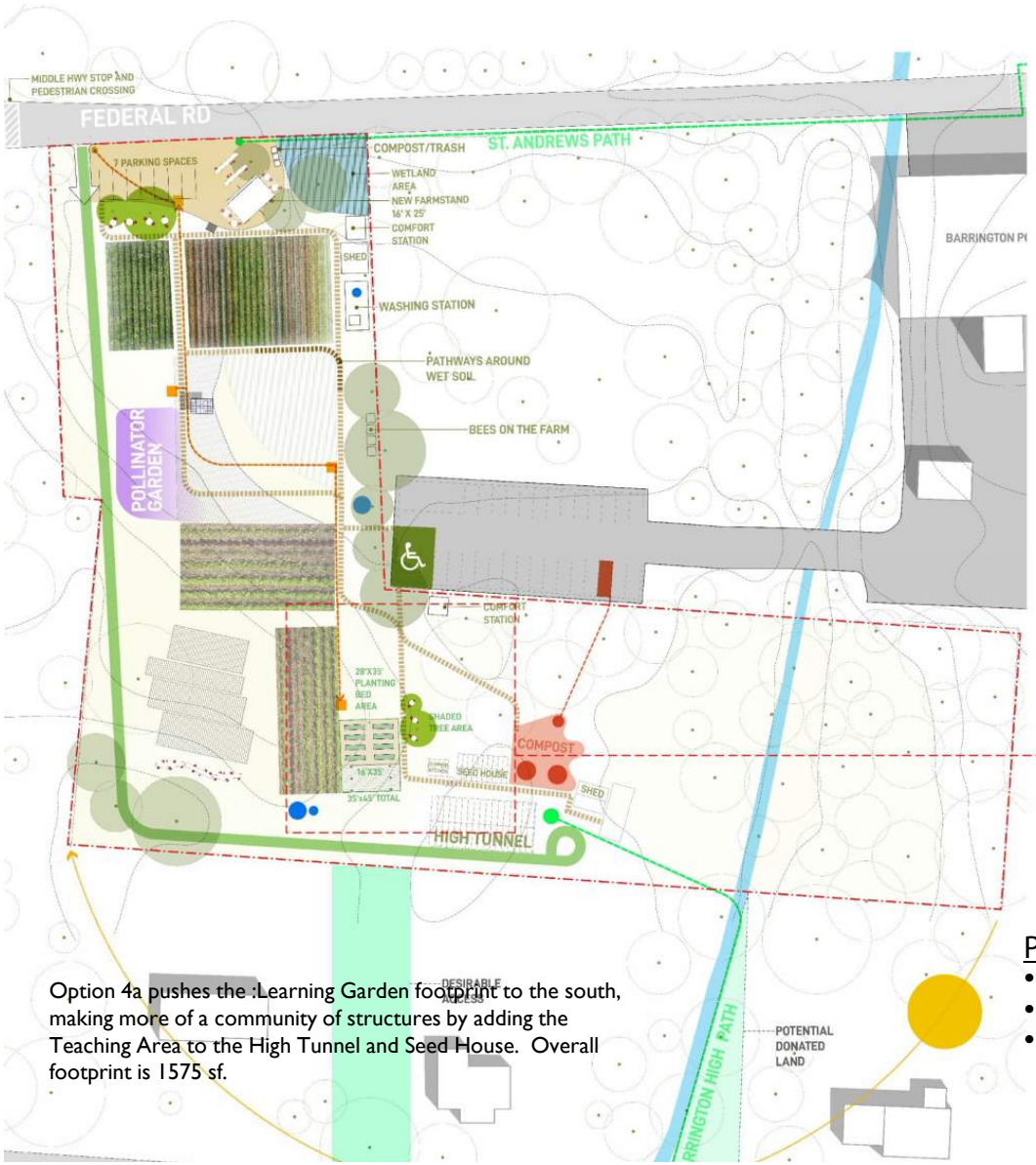
PRO

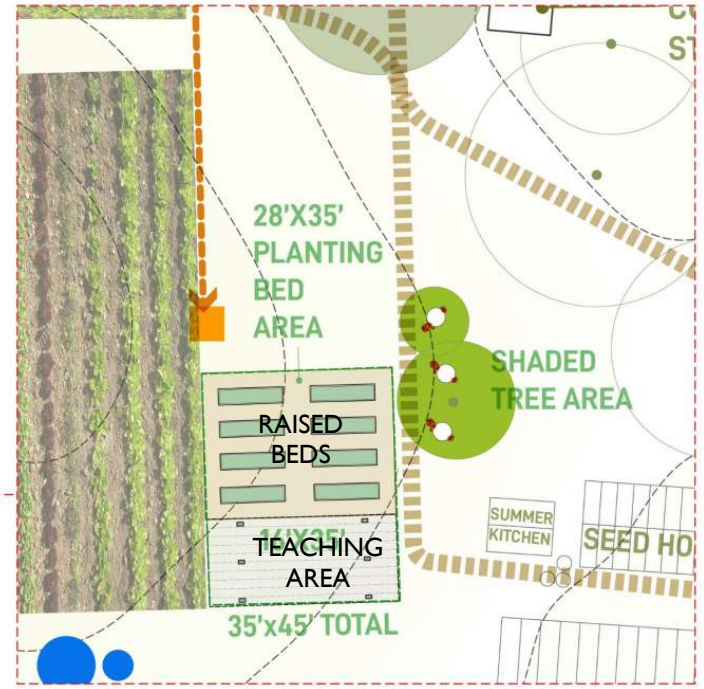
- Visible from Lincoln
- Easiest to expand
- Creates a community of structures with SK and High Tunnel
- Shaded Tree Area can replace shade structure

CON

- Less visible from Farm Stand

Option 4a





Option 4a pushes the :Learning Garden footprint to the south, making more of a community of structures by adding the Teaching Area to the High Tunnel and Seed House. Overall footprint is 1575 sf.

PRO

- Visible from Lincoln
- EasY to expand
- Creates a community of structures with SK and High Tunnel

CON

- Less visible from Farm Stand

Mission: to grow food, inspire learning, build community, and foster connection to the land with the support of dedicated volunteers

Master Plan Goals

Frontage on Federal Road

- This area is the main interface with the public and provides parking, sales, compost drop-off, and vehicle access into the farm.

Accessibility and the Learning Garden

- Handicapped accessibility
- A shade structure with a teaching space
- A sensory garden
- Raised, wheelchair-accessible plant beds
- Room for families or helpers to participate

Infrastructure: Power & Water

- Three power distribution boxes to cover Farm Program Areas and Solar Array
- Working w/ NCRS on irrigation plan
- Relocated wash station

Compost Operation

- Improve the efficiency by which food scraps are dropped off, moved to the compost area, composted, and then spread on the fields.
- Consider expanding drop-off to Public Safety lot

The Southwest Corner

- Unprogrammed area at the top of a rise, with nice shade trees. Possible place for gatherings, picnics, etc.?

Commemoration

- Donations, memories, recognitions … consider ways to remember Friends of the Farm.

Vehicle Access

- More clearly define the lane for vehicles to bring and remove items