



Little Walnut Creek ➔ Greenbelt ➔

Parks and Recreation Board
Monday, 01/22/2019

aSakura
robinson



Background

- 206 acres.
- Dramatic topography and steep slopes.
- Land purchased by PARD in 2003.
- Master plan process made possible by a grant from the National Park Service.
- Community engagement included 3 public meetings and 1 survey.



Public Meetings

Public Meeting #1

Activity: Points of Discussion

Site Assets

- 1 Six- to eight-mile trail network
- 2 Outstanding views
- 3 Proximity to neighborhoods
- 4 Potential creek access

Site Constraints

- 5 Poor trail conditions
- 6 Homeless encampment
- 7 Clay soil difficult to traverse
- 8 Limited access points

Public Meeting #2

Activity: Visitation

Example: Seniors



Amenities

- Seating

Trail Design

- Vista points
- Gently sloped paths

Programs

- Organized Nature Walks
- Bird watching classes
- Coordinated hiking days

Access

- Clean, accessible facilities
- Accessible trails
- Trails separate from bikers

Public Meeting #3

Activity: Feedback

What do you like about the plan?

- Soft trails and easy access.
- Dog park.
- Natural element play area.
- Invasive species removal.

What are you unsure about?

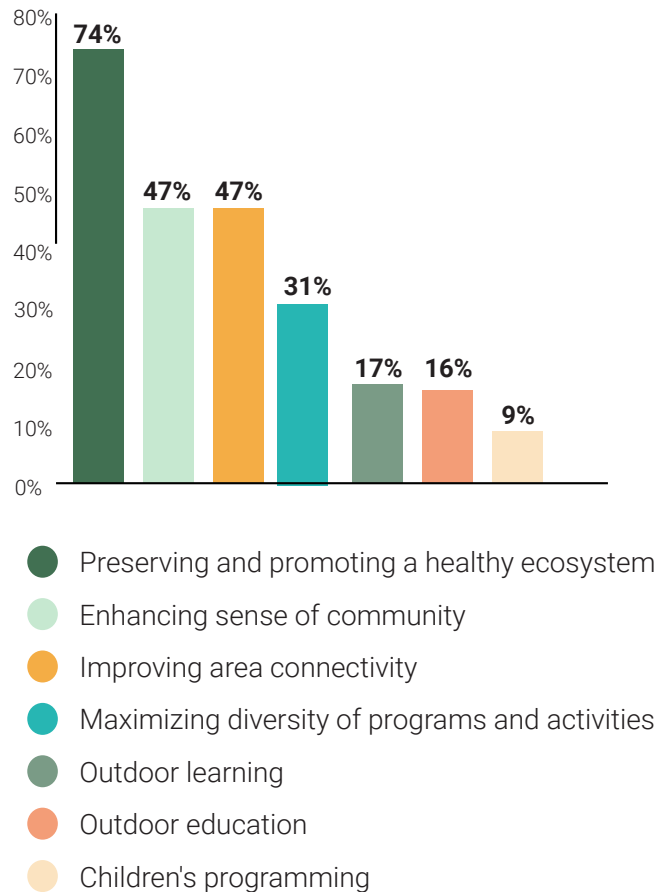
- Will city extend Norwood Hill Road?
- What is the lighting plan?
- Homeless people
- Safety at night.

What would you change about the plan?

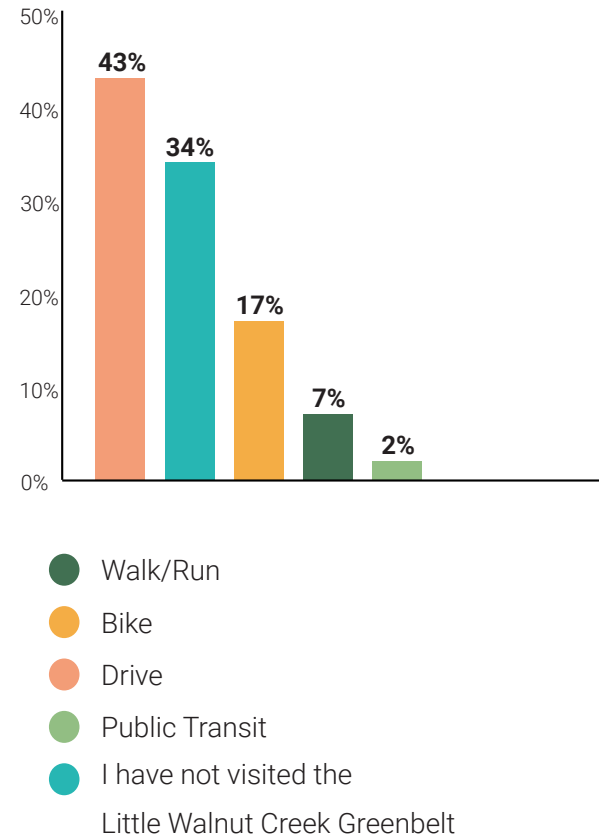
- Better creek access.
- Use all 8 miles of bike trails.
- Parking!
- Composting toilets.

Survey Results

Desired Improvements at the Little Walnut Creek Greenbelt? (Select 3)



How do you typically travel to Little Walnut Creek Greenbelt?



Conceptual Master Plan



↔ Potential Bridge Area

Active Area

Passive Area

Stewardship Area

Existing Amenities

Proposed Amenities

Cycle Track

Shared-use Path

Recreation Path

Natural Path

Neighborhood Connection

P On-site Parking

Bicycle Parking

Internal Wayfinding

Entry Signage

1 | Create Active Edge and Entrances

Active Edge

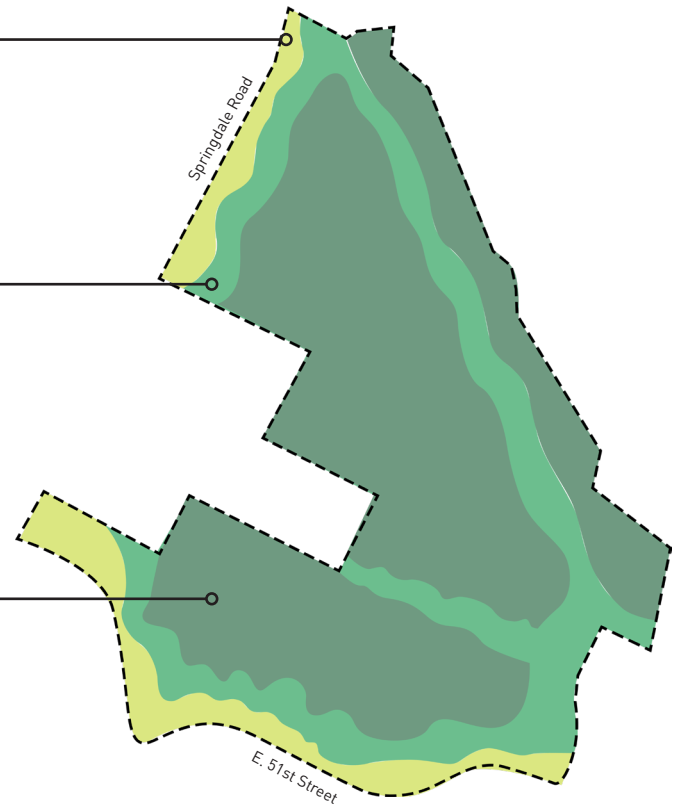
The active edge is the most activated greenbelt - includes play equipment and amenities.

Passive Zone

The passive area offers a transition to the environmentally sensitive areas to the center of the park. It will include unpaved trail systems and light amenities.

Stewardship Zone

Stewardship areas cover the majority of the interior. Minimum forest management. Activity confined to trails.



2 | Organize Trails by Use and Develop Internal Wayfinding

Image: Fairfax County



Cycle Track

These tracks will be exclusively for bicyclist use.

Image: York Region



Shared-use Path

These trails will serve dual use for walking and bicycling.

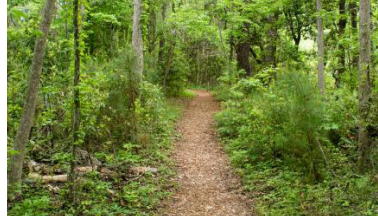
Image: Permatrak



Recreation Path

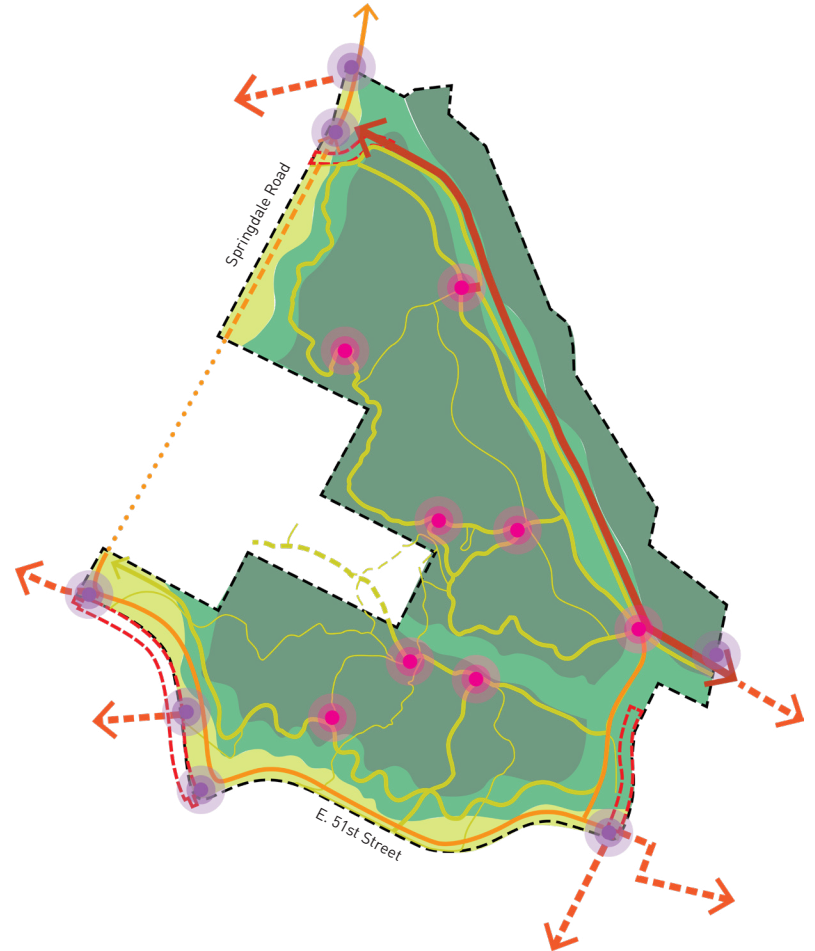
These paths will be used for walking, jogging, running, and bicycling.

Image: Trip Advisor



Nature Paths

These paths will be in areas of limited foot traffic.



3 | Create Forest Stewardship Plan

- In many areas of the greenbelt, native species are being crowded by invasive and aggressive native species.
- Ligustrum (ligustrum japonicum) is a common invasive and Prickly Pear Cactus (Opuntia spp.) has become aggressive on the site.
- An Invasive Species Removal Plan may be considered to direct and prioritize future stewardship and forest management.
- Volunteer stewardship can help maintain and restore ecosystem health.

Image: Asakura Robinson



Prickly Pear Cactus

Prickly Pear Cactus should be selectively removed from the site where it has become aggressive.

Image: Gardening Know How



Ligustrum

Ligustrum, or Privet, should be eliminated from the site via cutting and the application of herbicide.



Volunteer Stewardship

Volunteers can play an integral part of forest stewardship by helping to remove invasive species and planting native plants throughout the greenbelt.

4 | Incorporate Programming for Community Use

Image: Irmo Park



Amphitheatre

Image: City of Columbia



Trail Amenities

Image: Chronogram



Dog Park

Image: Waukesha County



Picnic Pavilion

Image: Lake Flato

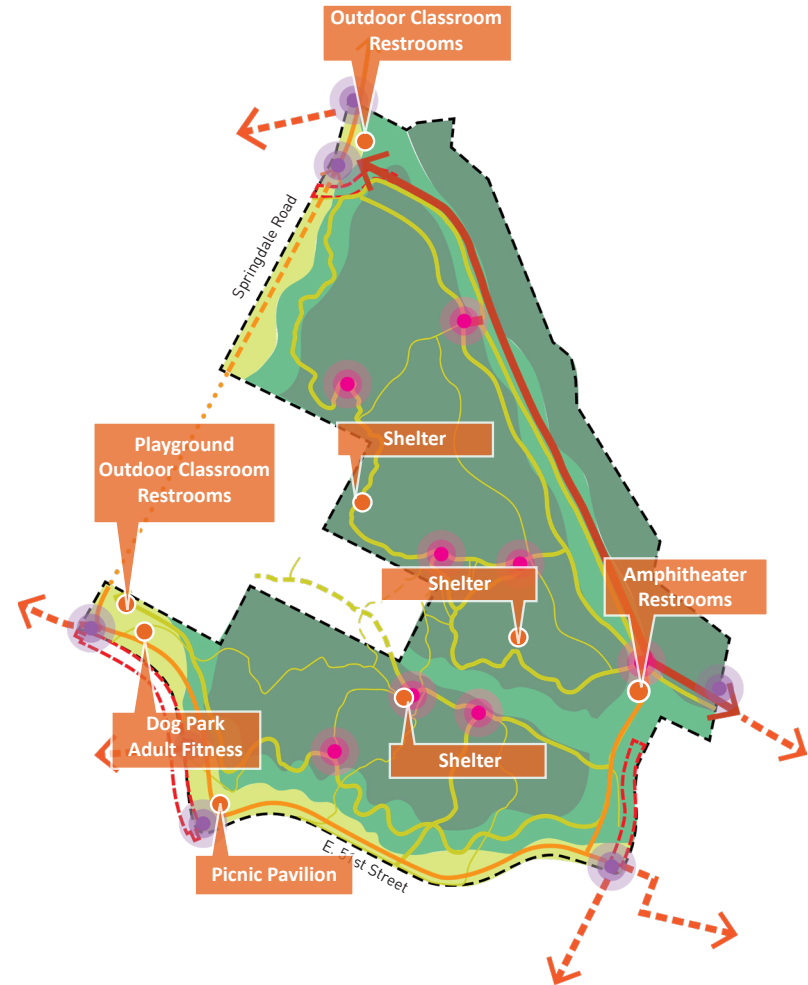


Outdoor Classrooms

Image: Site Design Group



Nature Play



5 | Formalize Parking and Active Transportation

Image: Tahoe Flats



Bike Parking

Image: Setterplay



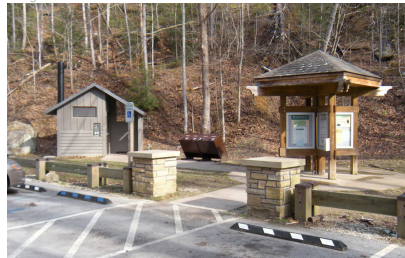
Covered Bike Areas

Image: Cornell University



Green Infrastructure in Parking Lots

Image: USDA



Amenities at Trailheads



Implementation Cost Estimate

Concept	Item	Quantity	Unit	Unit Cost	Summary Cost	Comments
Playground/ Adult Fitness/ Restrooms/ Dog Park						
	Restroom	3	ALLOW	\$ 100,000.00	\$ 300,000.00	
	Utilities from Street	3	ALLOW	\$ 50,000.00	\$ 150,000.00	
	Playground equipment and furnishings	1	ALLOW	\$ 300,000.00	\$ 300,000.00	
	Add Nature Play	1	ALLOW	\$ 100,000.00	\$ 100,000.00	
	Dog park fencing and furnishings	1	ALLOW	\$ 100,000.00	\$ 100,000.00	
	Fitness equipment	1	ALLOW	\$ 50,000.00	\$ 50,000.00	
Parking Lots						
	Parking lot (50 spaces x 3 locations)	56250	SF	\$ 6.00	\$ 337,500.00	375 sq ft per space. Report calls out 50-150 spaces per parking lot.
Trails						
	Cycle Track	97140	SF	\$ 6.00	\$ 582,840.00	8095' x 12'
	Shared Use Path (Decomposed Granite)	55936	SF	\$ 3.00	\$ 167,808.00	3496' X 16'
	Recreation Path (Mulch)	67825	SF	\$ 1.00	\$ 67,825.00	13565' x 5'
	Wayfinding Signs- internal	8	EA	\$ 1,000.00	\$ 8,000.00	
	Signs- Perimeter	7	EA	\$ 4,500.00	\$ 31,500.00	
Selective forestry						
	Invasive removal, active zone	760000	SF	\$ 0.25	\$ 190,000.00	
Amphitheater/ Outdoor Classrooms/ Pavilion						
	Amphitheater	1	ALLOW	\$ 500,000.00	\$ 500,000.00	
	Outdoor Classroom	1	ALLOW	\$ 100,000.00	\$ 100,000.00	
	Outdoor Classroom	3	ALLOW	\$ 25,000.00	\$ 75,000.00	
	Pavilion(20'x30')	1	ALLOW	\$ 50,000.00	\$ 50,000.00	
Tree Planting						
	New trees- shade and ornamental mix	50	EA	\$ 300.00	\$ 15,000.00	30 gallon

Subtotal : \$3,125,473.00
 20% Contingency: \$625,094.60
Grand Total: \$3,750,567.60



Questions?

Brendan@asakurarobinson.com

asakura
robinson

