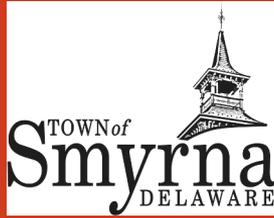




# Town of Smyrna Needs Assessment / Opportunities

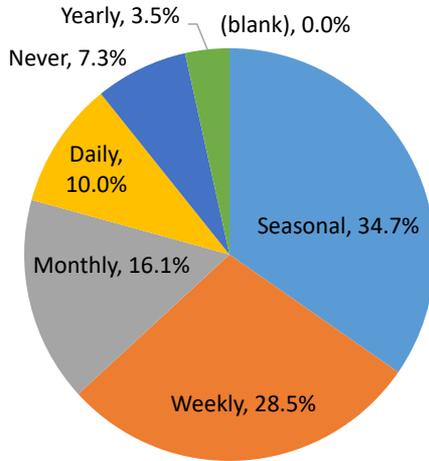




**LARDNER/KLEIN**  
LANDSCAPE  
ARCHITECTS



1. Assessment of Parks and Recreation Needs and Indicators
  - a. NRPA and Trust for Public Lands Parkscore™
  - b. Statewide Comprehensive Outdoor Recreation Plan (SCORP)
  - c. Questionnaire, Public and School Meetings
2. Preliminary Options and Ideas
  - a. George Wright Municipal Park
  - b. Green Meadows Park
  - c. Lake Como Park
  - d. Mill Creek Park
  - e. Sunnyside Park and Bon Ayre Park
3. Next Steps
  - a. Draft Plan and Revised Concepts
  - b. Public Meeting #2

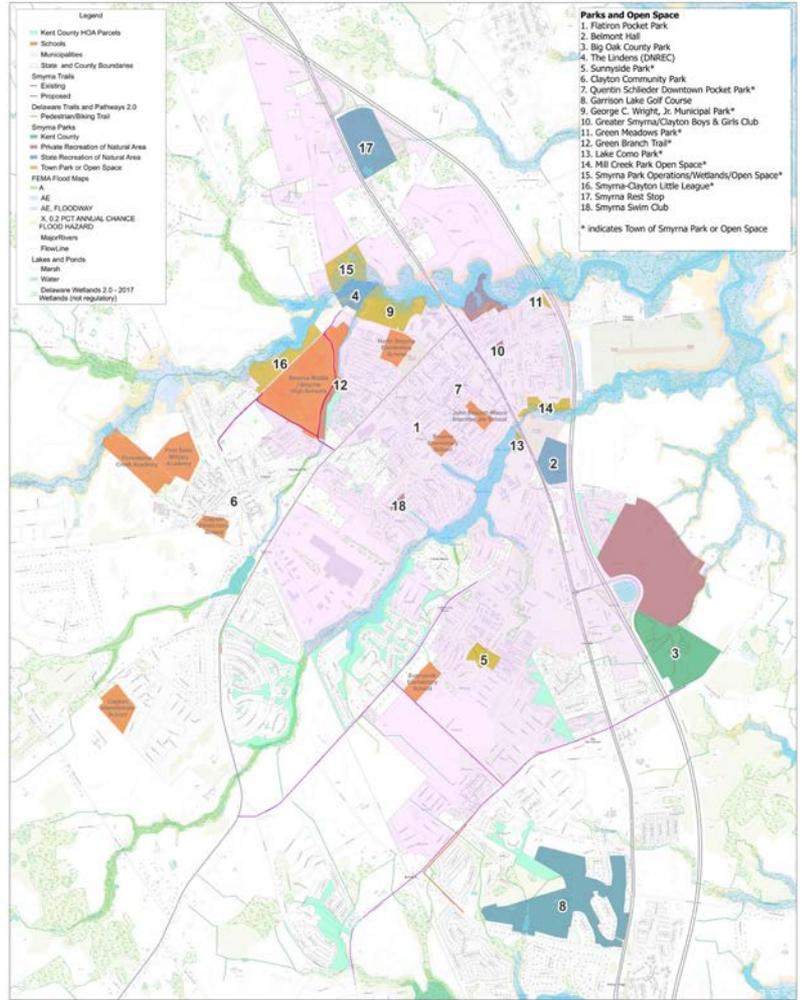


*Frequency of Park Visits*

## Role:

- Refine vision and goals.
- **Assess needs**
- Set priorities
- Consider implementation and maintenance
- Help with public engagement and outreach to the community.

Anticipated Schedule	Month
<b>a) Data Gathering and Community Questionnaire</b>	<b>Jan-Feb 2022</b>
Inventory Existing Parks Conduct a community questionnaire	
<b>b) Vision + Goals   Public Meeting #1</b>	<b>March 12, 2022</b>
Identify issues/challenges, needs, and opportunities and facilitate brainstorming on how to address them	Schools Outreach (April)
<b>c) Needs Assessment   Preliminary Vision, Goals and Strategies</b>	<b>May-June 2022</b>
Conceptual level diagrams illustrating program and discuss needs and opportunities for each park or group of parks	
<b>d) Preliminary Findings   Public Meeting #2</b>	<b>Aug or Sept/ 2022</b>
Review needs and concepts for each park or park group	Schools Outreach (Sept)
<b>e) Safe Routes to Parks</b>	<b>Aug or Sept/ 2022</b>
Review pedestrian and bicycle access and connectivity to parks	
<b>f) Draft and Final Plan</b>	<b>Fall 2022</b>
Review and revise draft and final plans and submit to Town for Council action.	



Parks, Floodplains, & Wetlands







-  Town Park
-  Private/Other Recreation or Natural Area
-  State Recreation or Natural Area
-  Kent County

**schools**



**Delaware DFIRM 2.0**

**FEMA Flood Maps**

-  A
-  AE
-  AE, FLOODWAY
-  AO
-  VE
-  X, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

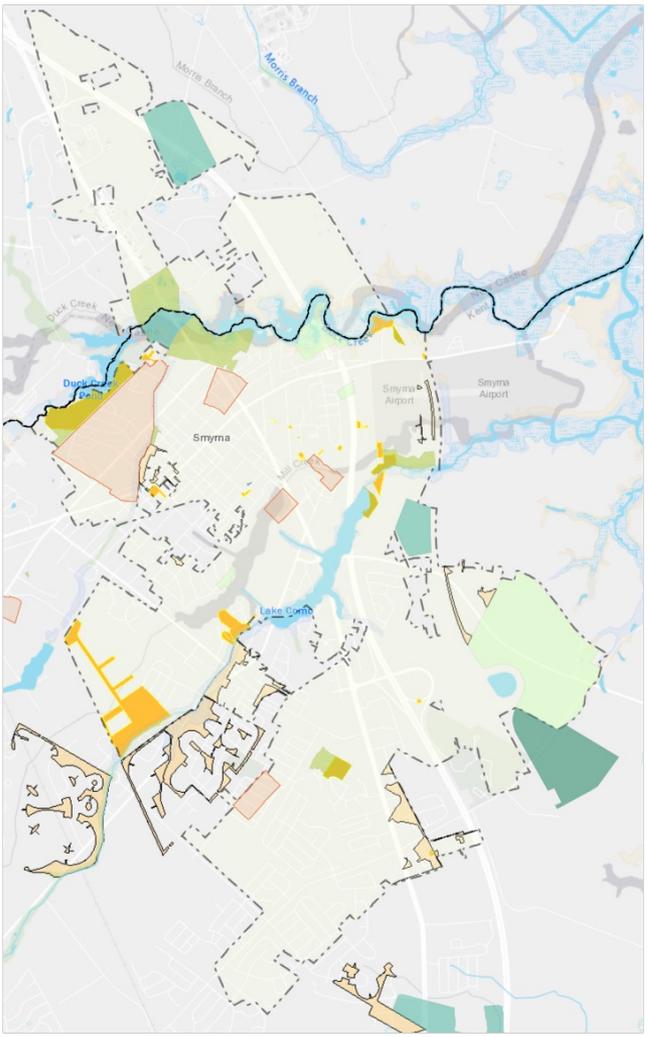
**Delaware Kent County Parcels - Town of Smyrna**

**Kent County Parcels - public land and HOA**



**Delaware Kent County Parcels - HOA**

-  Kent County Parcels - HOA



Legend

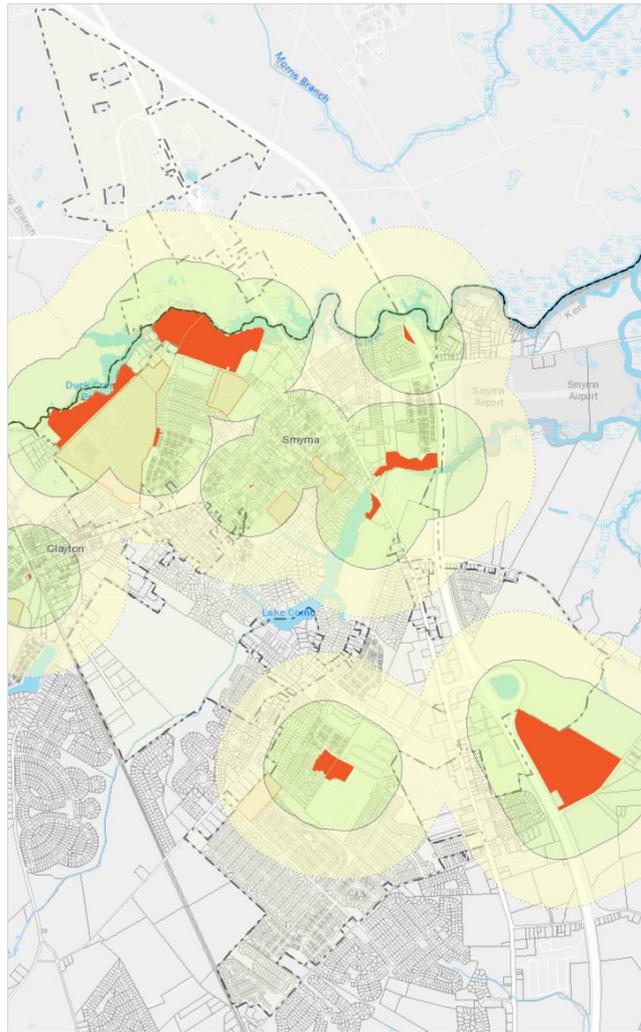
Buffer\_of\_Smyrna\_Parks\_usable\_town\_



Smyrna Parks - usable town parks



schools



-  Pedestrian Trail
-  Multi-Use Trail or Pathway
-  Multi-Use Trail with Horseback Riding
-  Pedestrian Trail with Horseback Riding
-  Beach Vehicle Crossing

**Delaware and Regional FHWA National Highways 2.0 - FHWA National Highway**

**SPEED LIMIT**

-  > 75
-  60
-  50
-  40
-  < 25

**Buffer\_of\_Smyrna\_Parks\_usable\_town\_**

-  0.25
-  0.5

**Smyrna Parks - usable town parks**



**schools**

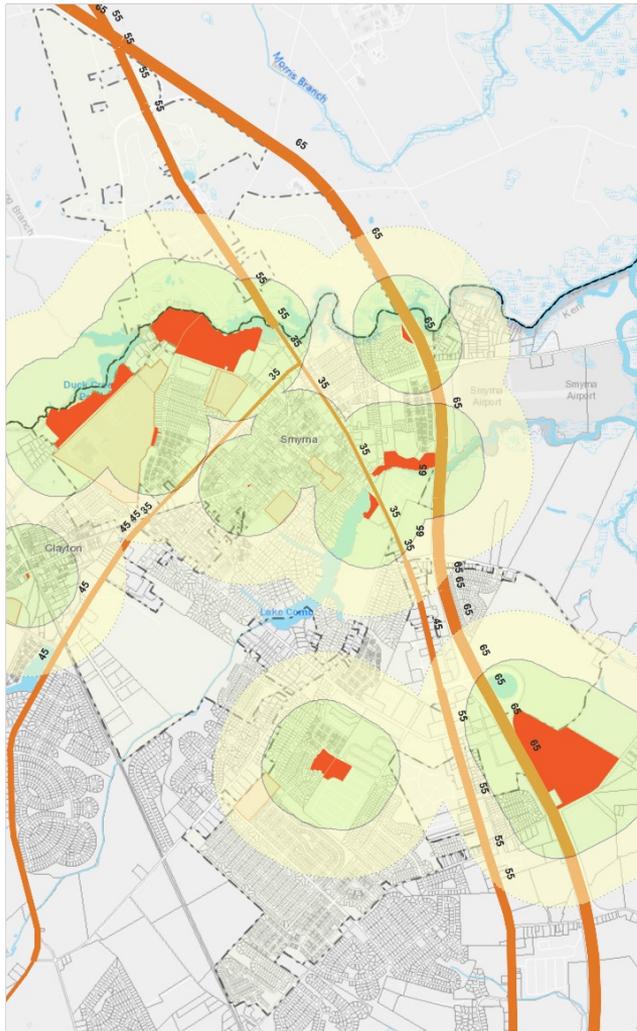


**Delaware Multimodal 2.0**

**Railroad - Rail Lines**



**Sidewalks**



- Pedestrian Trail
- Multi-Use Trail or Pathway
- Multi-Use Trail with Horseback Riding
- Pedestrian Trail with Horseback Riding
- Beach Vehicle Crossing

**Delaware and Regional FHWA National Highways 2.0 - FHWA National Highway**

**SPEED LIMIT**

- > 75
- 60
- 50
- 40
- < 25

**Buffer\_of\_Smyrna\_Parks\_usable\_town\_**

- 0.25
- 0.5

**Smyrna Parks - usable town parks**



**schools**

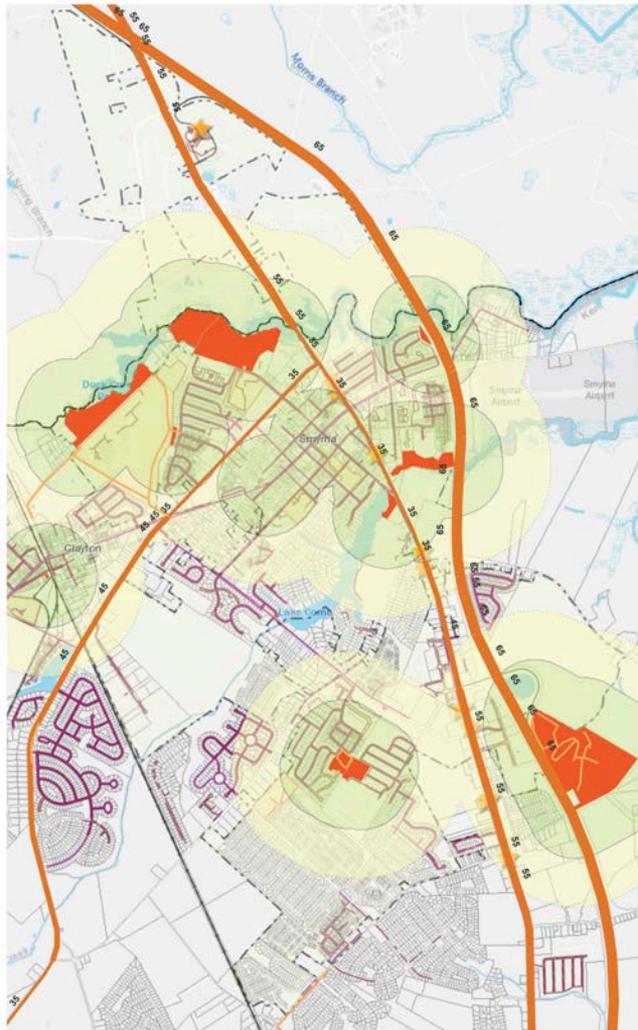


**Delaware Multimodal 2.0**

**Railroad - Rail Lines**



**Sidewalks**



- Pedestrian Trail
- Multi-Use Trail or Pathway
- Multi-Use Trail with Horseback Riding
- Pedestrian Trail with Horseback Riding
- Beach Vehicle Crossing

**Delaware and Regional FHWA National Highways 2.0 - FHWA National Highway**

**SPEED LIMIT**

- > 75
- 60
- 50
- 40
- < 25

**Buffer\_of\_Smyrna\_Parks\_usable\_town\_**

- 0.25
- 0.5

**Smyrna Parks - usable town parks**



**schools**



**Delaware Multimodal 2.0**

**Railroad - Rail Lines**



**Sidewalks**



# PARK METRICS:

## National Recreation and Park Association

**BENCHMARK:**  
*Smyrna has fewer parks and more people per park than comparable municipalities*

Agency Summary Effectiveness Ratios	Similar Park Systems (Median)	Smyrna Parkland (planning purposes)	Total Park and Recreation Use
<b>SMYRNA Park Acreage</b>		99.99	252.03
<b>SMYRNA Parks</b>		9	11
<b>Acres of parks per 1,000 residents</b>	25	7.60	19.17
<b>Number of residents per park</b>	941.2	1,461	1,195
<b>Number of acres per park</b>	25	11.11	22.91

# PARK METRICS:

## National Recreation and Park Association

**BENCHMARK:**  
*Smyrna has more playgrounds, diamond fields and football fields than comparable municipalities but fewer wider rectangular fields and multi-use courts*

Jurisdiction population per outdoor facility	Median residents per facility for comparable communities	# Of Smyrna Facilities	Residents per facility (based on US Census Est. Pop. 2021)
a. Playgrounds	3,143	8	1,643.6
b. Tot lots	12,935	1	13,149.0
c. Community gardens	14,896	0	
d. Basketball courts	3,004	4	3,287
e. Multiuse courts -basketball, volleyball	10,006		
f. Tennis courts (outdoor only)	4,685		
g. Diamond fields: baseball - youth	2,200	6	2,192
h. Diamond fields: baseball - adult	9,013	2	6,574.5
i. Diamond fields: softball fields - youth	18,026	3	4,383.0
j. Diamond fields: softball fields - adult	18,026	3	4,383.0
k. Skate Park	23,531	1	13,149.0
l. Dog park	23,531		
m. Ice rink (outdoor only)			
n. Rectangular fields: multi-purpose	9,013		
o. Rectangular fields: cricket field	18,026		
p. Rectangular fields: field hockey field			
q. Rectangular fields: football field	18,026	1	13,149.0
r. Rectangular fields: lacrosse field			
s. Rectangular fields: soccer field - adult	3,934		
t. Rectangular fields: soccer field - youth	6,187.3		
u. Overlay field	11,765.5		
v. Multipurpose synthetic field	5,882.8		

# Questionnaire: Activity away from Town?

4. What recreational activities do you participate in that you have to go elsewhere to do (that are not available in Smyrna)?

- Top Picks:
- Walking
- Trails of all kinds
- Dog Park

419

Responses

Latest Responses

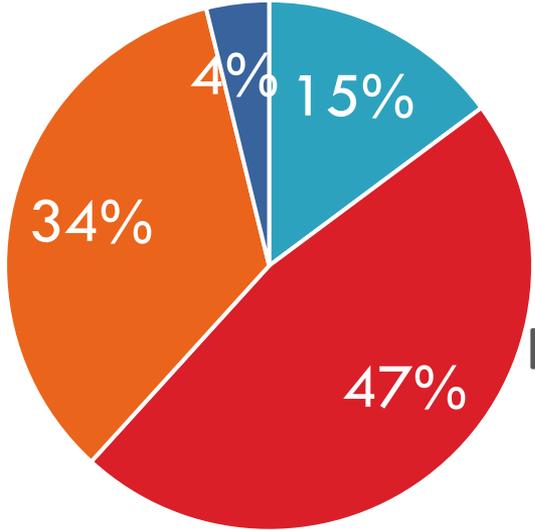




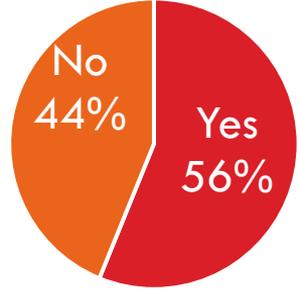


# Interest in Splash Pad

- Yes, if the splash pad were close to my home
- Yes, if there was a larger more exciting splash pad in one central location
- No, nobody in my household would use a splash pad
- Other



Do you have children under 18 at home

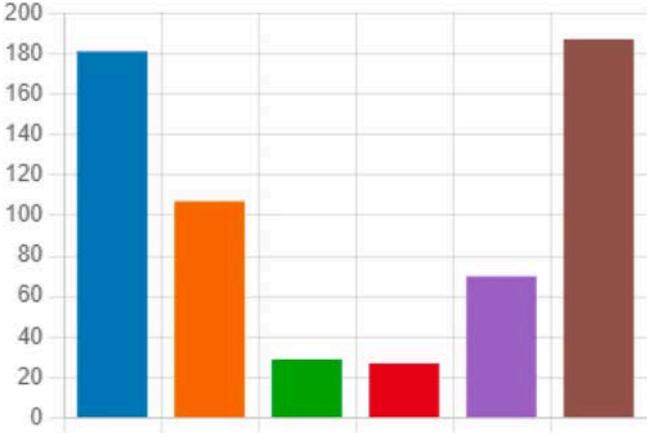


# Interest in Dog Park

Slightly less than half of likely or somewhat likely to use a dog park  
[76% of respondents with dogs]

11. The introductory questionnaire this summer indicated strong interest in a dog park. If a new dog park were built at a central location in one of the larger existing parks or at a new park, how likely would you use the dog park?

Very likely	181
Somewhat likely	107
Neither likely nor unlikely	29
Somewhat unlikely	27
Very unlikely	70
Very unlikely, I do not have a dog	187



# Community Design Workshop 3/12/22



- 10:00 INTRODUCTION AND OVERVIEW
- 10:30 FOCUS AREA #1:  
**George Wright Municipal Park**  
FOCUS AREA #2:  
**Green Meadows Park**
- 11: 20 BREAK (refreshments)  
IDEAS FOR SAFE ROUTES TO  
PARKS
- 11:40 FOCUS AREA #3:  
**Lake Como Park and Mill Creek  
Open Space**  
FOCUS AREA #4:  
**Sunnyside Park**
- 12:40 RECAP
- 1:00 *Adjourn*

- 1 large rectangular (soccer, etc.)
- 1 football field
- 2 splash pads
- 2 300' diamond
- 2 community garden plots
- 1 set of four batting cages
- 4 playgrounds
- 1 dog park/dog exercise area
- 1 skate park
- 4 skinny rectangles (bocce, horseshoes, etc.)
- 4 Pickleball Courts
- 4 Basketball Courts
- 2 200' diamond fields
- 4 tennis courts
- 2 Field Hockey
- 1 group picnic shelter (200-250 people)
- + 1 restroom
- 8 Eight picnic shelters



# Master Parks Plan Workshop 3-12-22

# School Design Workshops

4/13/22 Middle School & 4/28/22 High School





The Lindens (DMREC) - outbuilding



The Lindens (DMREC)



View toward Duck Creek



Softball Courts



Grassy Area Between Shamspek and Playground



Gazebo



Planted Tree "Alley" Near the Gazebo



View of the Lindens (DMREC) from North Main entrance



Football Field



80-car Parking Lot Adjacent to Football Field



One of Two Diamond Fields



One of Six Picnic Shelters with Restroom Nearby



Playground



Smyrna-Clyton Veterans Memorial

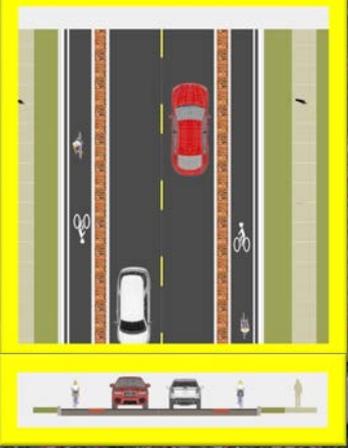


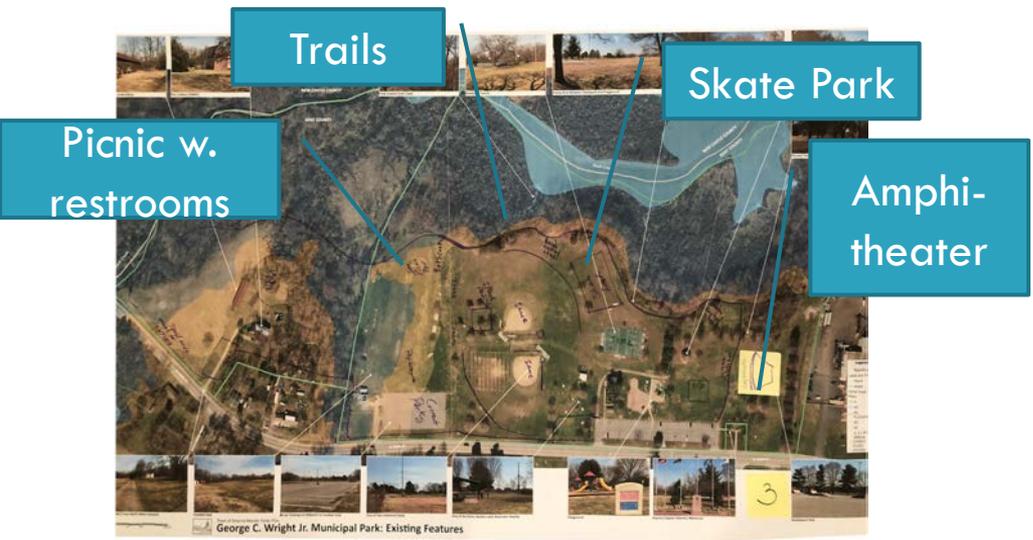
Skateboard Park





# BUFFERED BIKE LANE





MS: Move diamond fields and replace with pool, skate park, splash pad, pool dog park and rectangular fields



George C. Wright Jr. Municipal Park: Existing Features

HS: Move football replacing 1 diamond field (replace with playgrounds, splash pads); add other court sports around BB court





**Legend**

- Ridge/Rivers
- Lakes and Ponds
- Water
- Marsh
- FEMA Flood
- Map
- A
- AE
- FLOODWAY
- AO
- VE
- X, 0.2 PCT
- ANNUAL
- CHANCE
- FLOOD
- HAZARD



Town of Smyrna Master Parks Plan  
**George C. Wright Jr. Municipal Park:**



Common Elements Alternative 1 and 2





Alternative 2:  
Reorganize



Picnic Area with Playground and Swings Beyond (Looking S)



Playground



Swing Set and Playground



Basketball



View Toward Playground (Looking NE)



View Toward Swings and Playground (Looking N)



View from Southern End of Park toward Basketball (Looking N)



Grass and trees



North Albright Rd. Looking S from Southern End of Park



Panorama of Park from Laredo Dr. Looking E to S (Playground, Swings and Basketball)



**Batting Cages**

**Pavilion**

**Accessible Playground**

**Community Garden**

**Parking**

1

Board of Smyrna Master Parks Plan  
Green Meadows Park

**Upgrade Playground**

**Bocce Shuffleboard**

**Perimeter Trail**

5

Board of Smyrna Master Parks Plan  
Green Meadows Park

**Pavilion with Picnic Table**

**Bike Racks**

3

Board of Smyrna Master Parks Plan  
Green Meadows Park

**Possible Pickleball**

**Loop path with lighting**

7

Board of Smyrna Master Parks Plan  
Green Meadows Park



**Perimeter Paved Path**

- Lighting
- Shade
- Benches





Alternative 1: Fit new activities in to existing park





**Community Garden**

- Four space parking and equipment drop off
- Shady area with bench
- Garden plots

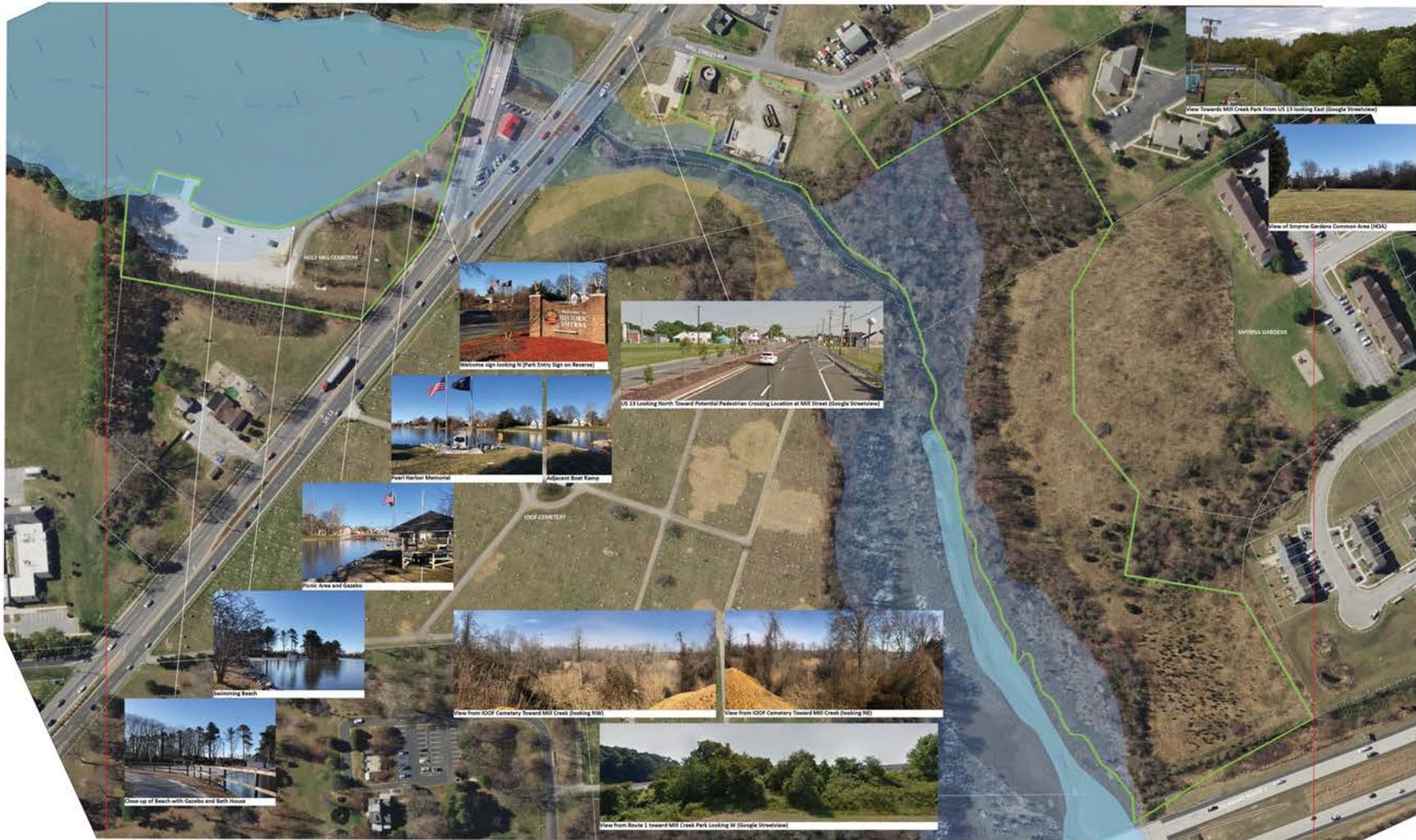
**Relocate Play Area**

- Renovated All Ages and Abilities Playground
- Swings
- Pavilion with table for shade

**Perimeter Paved Path**

- Lighting
- Shade
- Benches









Dog Park at Town Yard

Trail network/  
natural area

Playground/Court  
sports near  
neighborhood

Town of Smyrna Master Parks Plan  
Lake Como and Mill Creek Parks: Existing Features



Hammock Area

Slide into Lake

Splash Pad

Splash Pad

Playground

Indoor Facility?



Play Structure

Sunnyside Park Gazebo

Lighted Pathway (looking W)

Lighted Pathway looking SE

Delineated Wetland (no mowing)

Basketball Court

Panorama of Sunnyside Park (looking SE)

Lighted Pathway (looking SW toward Vincent Court)

Lighted Pathway (looking E)





Flower Garden

Pickleball /  
Small Picnic Area

Vegetable  
Garden

Large Picnic  
Pavilion

Landscaped  
Buffer

Shaded Trail w/  
Benches

Play Structure

Lighted Pathway (looking W)

Picnic Pavilion

Lighted Pathway (looking SE)

Lighted Pathway (looking SW toward Vincent Court)

Sunnyside Park Gazebo

Lighted Pathway looking E

Basketball Court

Lighted Pathway (looking E)

Wynona Master Parks Plan  
**Sunnyside Park: Existing Features**

3



March 2022



Open Field Area  
(very passive, no lines)

Ornamental Gardens

Shaded trail with benches, little library

Splash Pad

Gazebo

“pervious” edge trees/shrubs/big boulders

myrna Master Parks Plan  
Sunnyside Park: Existing Features

Table G  
*is it next to the well  
basement for  
or nearby*





## NEXT STEPS

Develop and Refine Options

August/September Public Workshop

(format could be open house to give opinions about options)

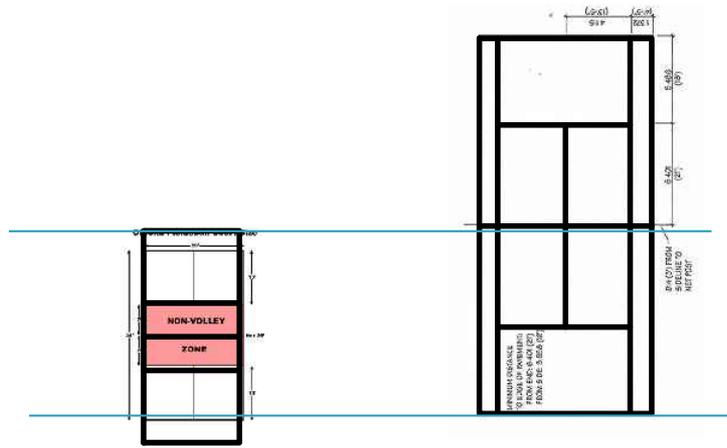
Develop and review draft plan

Anticipated Schedule	Month
<b>a) Data Gathering and Community Questionnaire</b>	<b>Jan-Feb 2022</b>
<ul style="list-style-type: none"> <li>Inventory Existing Parks</li> <li>Conduct a community questionnaire</li> </ul>	
<b>b) Vision + Goals   Public Meeting #1</b>	<b>March 12, 2022</b>
<ul style="list-style-type: none"> <li>Identify issues/challenges, needs, and opportunities and facilitate brainstorming on how to address them</li> </ul>	Schools Outreach (April)
<b>c) Needs Assessment   Preliminary Vision, Goals and Strategies</b>	<b>May-June 2022</b>
<ul style="list-style-type: none"> <li>Conceptual level diagrams illustrating program and discuss needs and opportunities for each park or group of parks</li> </ul>	
<b>d) Preliminary Findings   Public Meeting #2</b>	<b>Aug or Sept/ 2022</b>
<ul style="list-style-type: none"> <li>Review needs and concepts for each park or park group</li> </ul>	Schools Outreach (Sept)
<b>e) Safe Routes to Parks</b>	<b>Aug or Sept/ 2022</b>
<ul style="list-style-type: none"> <li>Review pedestrian and bicycle access and connectivity to parks</li> </ul>	
<b>f) Draft and Final Plan</b>	<b>Fall 2022</b>
<ul style="list-style-type: none"> <li>Review and revise draft and final plans and submit to Town for Council action.</li> </ul>	

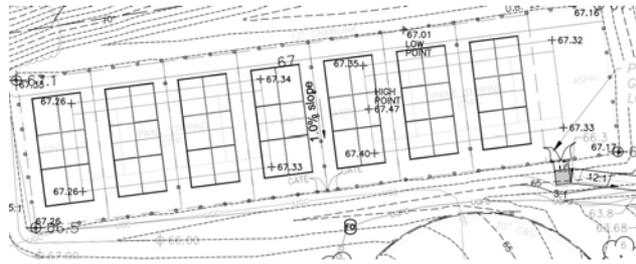
# SMALL SCALE OUTDOOR SPACES

NATURAL, UNPROGRAMMED OUTDOOR SPACE	EXAMPLES	DIAGRAM	DIMENSIONS
PICNIC AREA W/ SHELTER	 <p><small>https://www.parksandrec.com/eng/locations/amenities/amenities.aspx</small></p>	 1,000 sq. ft.  2,000 sq. ft.	<p>varies</p> <p>Avg. Size Shelter – 1,000 sq. ft. (Parks 2015)</p> <p>Group Picnic Area - 2,000 sq. ft (200-250 people)</p>
COURT SPORTS	<p>Basketball</p> 	 basketball	<p>basketball - 84x50ft</p>
	<p>Tennis/Pickleball</p>  	 tennis  pickleball	<p>tennis - 36x78ft/ allow 10ft between courts              pickleball - 20x44ft/ total playing area 34x64ft  <small>(USA Pickleball Association)</small></p>
	<p>Volleyball</p> 	 volleyball	<p>volleyball - 30x60ft/ add 20' each side use area</p>
	<p>Racquetball/Handball/Practice Wall</p> 	 racquetball	<p>racquetball/handball 40x20x20ft (high)</p>
BATTING CAGES (outdoor)	 <p><small>https://www.digitalsports.com/buying-outdoor-batting-cages-and-walls/</small></p>		<p>70'x14'12" (high)  <small>(On Deck Sports)</small></p>
BOCCE			<p>13ft x 76ft  <small>(typical for recreational use)</small>  <small>(Ross, 2013)</small></p>
COMMUNITY GARDEN	 <p><small>www.parksandrec.com/eng/locations/amenities/amenities.aspx</small></p>		<p>Avg. size 35'x45'  <small>(with 13' 5'x10' plots)</small></p>
DOG EXERCISE/AGILITY EQUIPMENT	 <p><small>https://www.bonapark.com/eng/locations/amenities/amenities.aspx</small></p>		 <p>full size = 200x150'</p>





tennis court  
pickleball



6-7 pickleball courts replacing two tennis courts



<https://www.gophersport.com/sports/baseball/batting-cages-and-nets/>



*Bocce and Horseshoe courts – similar in size (but longer) to a single batting cage*

# SMALL SCALE PROJECTS WITH STRUCTURES

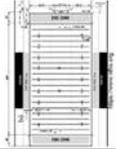
	EXAMPLES	DIAGRAM	DIMENSIONS
BIKE PARK	 Fairland Skills Park, MD		30 acres shown varies
SPRAY PARK	 Highlands Park, VA		60-foot diameter shown varies
PLAYGROUND	 Simpson Park, VA		varies - 22,500 SF shown
SKATE PARK	 Powhatan Springs Skate Park, VA		150 x 225 feet shown (2.6 acres)
RESTROOMS			350 sq. ft. (small building with 2 bathrooms and storage closet) (Public Restroom Company)
CLIMBING WALLS/FEATURES	 OREGON STATE PARKS		varies
LINEAR TRAIL PODS EXERCISE/SKATE/REST	 Accessible Exercise Station		varies
SHADE/SEATING/PERGOLA	 pergola: https://www.pergola.com		250 sq. ft. (Public Restroom Company)
PAVILION WITH CATERING AND RESTROOMS	 pavilion: https://www.pavilion.com		2400 SF SHOWN
SMALL AMPHITHEATER (SEATS ±100)	 Lubber Run Park, AC		3,000 sq. ft.



# SMALL SCALE PROJECTS WITH STRUCTURES

	EXAMPLES	DIAGRAM	DIMENSIONS
<b>BIKE PARK</b>	 Fairland Skills Park, MD		30 acres shown varies
<b>SPRAY PARK</b>	 Highlands Park, VA		60-foot diameter shown varies
<b>PLAYGROUND</b>	 Simpson Park, VA		varies - 22,500 SF shown
<b>SKATE PARK</b>	 Powhatan Springs Skate Park, VA		150 x 225 feet shown (2.6 acres)
<b>RESTROOMS</b>			350 sq. ft. (small building with 2 bathrooms and storage closet) (Public Restroom Company)
<b>CLIMBING WALLS/FEATURES</b>	 OREGON STATE PARKS		varies
<b>LINEAR TRAIL PODS EXERCISE/SKATE/REST</b>	 Accessible Exercise Station		varies
<b>SHADE/SEATING/PERGOLA</b>	 pergola: www.pergolaworks.com		250 sq. ft. (Public Restroom Company)
<b>PAVILION WITH CATERING AND RESTROOMS</b>	 www.meridianpavilions.com		2400 SF SHOWN
<b>SMALL AMPHITHEATER (SEATS ±100)</b>	 Lubber Run Park, AC		3,000 sq. ft.



<p><b>RECTANGULAR TURF OR IRRIGATED GRASS FIELDS</b> (soccer, rugby, cricket, field hockey, futsal, field hockey, ultimate Frisbee)</p>			
	<p>Soccer</p> 		<p>225x360ft (championship size) / add 30' each side use area</p>
	<p>Field Hockey</p> 		<p>300x180ft (The University of Missouri, 2016)</p>
<p><b>RECTANGULAR GRASS FIELDS</b> (Practice, non-scheduled)</p>			<p>two-three fields overlap perpendicular to regulation sized field</p>
<p><b>FOOTBALL</b></p>			<p>360x160ft plus setbacks</p>
<p><b>DIAMOND FIELDS</b> (Adult and teens)</p>			<p>300' radius home plate to outfield fence</p>
<p><b>DIAMOND FIELDS</b> (youth)</p>			<p>200' radius home plate to outfield fence</p>



Unlicensed photos from Arlington County Parks and Recreation or Landmark/High Landscape Architects. All dimensions and orientation information from Tenor-Seven Standards for Landscape Architecture unless otherwise noted.  
 Harris, C. W. (1999). *Time-Saver Standards for Landscape Architecture*. 2nd Ed. New York, McGraw-Hill Publishing Company.  
 Reiser, J. (n.d.). Baseball Field Diagrams and Measurements. Retrieved September 29, 2018, from Ultimate Baseball Field Renovation Guide: <http://www.ultimatebaseballfieldrenovationguide.com/baseball-field-diagram.html>  
 Turman Athletics. (n.d.). Ultimate Frisbee Field Dimensions and Layout Tool. Retrieved September 29, 2018, from Turman Athletics: [http://www.turmanathletics.com/ultimatefrisbee/field\\_dimensions](http://www.turmanathletics.com/ultimatefrisbee/field_dimensions)  
 The University of Missouri. (2016). Field Hockey Field Dimensions. Retrieved October 19, 2018, from The University of Missouri Division of Plant Sciences: <http://www.missouri.edu/fieldhockey.htm>  
 U.S. Futbol. (n.d.). The Playing Court. Retrieved October 3, 2018, from U.S. Futbol: <http://www.usfutbol.com/index.php/the-playing-court>

**ADD NEW IDEAS HERE!**

