



# TOWN OF CHAPEL HILL

## Town Council Meeting Agenda

Town Hall  
405 Martin Luther King Jr.  
Boulevard  
Chapel Hill, NC 27514

Mayor Pam Hemminger  
Mayor pro tem Karen Stegman  
Council Member Jessica Anderson  
Council Member Camille Berry  
Council Member Tai Huynh

Council Member Paris Miller-Foushee  
Council Member Michael Parker  
Council Member Amy Ryan  
Council Member Adam Searing

**Monday, October 3, 2022 6:30 PM**

**Library Meeting Room B**

### Language Access Statement

For interpretation or translation services, call 919-969-5105.

ဘာသာပြန်ဆိုခြင်းနှင့် စကားပြန်ခြင်းအတွက်၊ (၉၁၉) ၉၆၉-၅၁၀၅ ကို ဖုန်းခေါ်ပါ။

Para servicios de interpretación o traducción, llame al 919-969-5105.

如需口头或  
书面翻译服  
务，请拨打  
919-969-5105.

လၢတၢ်ကတိၤကျိးထံ မ့တမၢ် လၢတၢ်ကွဲးကျိးထံအတၢ်မၤစၢၤအဂီၢ် ၶ် ကိးဘၣ် (၉၁၉)-၉၆၉-၅၁၀၅

### In-Person Meeting Notification

*The Chapel Hill Town Council will meet in person for the Meeting. Public attendance is welcome. The Town of Chapel Hill wants to know more about who participates in its programs and processes, including Town Council meetings. Please participate in a voluntary demographic survey <https://www.townofchapelhill.org/demosurvey>.*

*We will not live stream the event, but will provide the Post-Meeting Video <https://www.townofchapelhill.org/councilvideo>*

### Parking

• Parking is available at the Library lots. The Library is served by CL Route, D Route, F Route, and GoTriangle Routes of Chapel Hill Transit.

### Entry and COVID-19 Protocols

• Meeting Room B is to the right from the main entrance.  
• Visitors and employees will self-screen. Do not enter if you have these symptoms: Fever, chills, cough, sore throat, shortness of breath, loss of taste

*or smell, headache, muscle pain*

- *Attendees are encouraged to wear masks and will sit physically distanced.*

## OPENING

## ROLL CALL

## ANNOUNCEMENTS BY COUNCIL MEMBERS

## AGENDA ITEMS

1. Splash Pad and Inclusive Playground Feasibility Analysis Update. [\[22-0729\]](#)

PRESENTER: Kevin Robinson, Senior Manager Park Planning and Operations  
Marcia Purvis, Principal Planner

The purpose of this item is to share findings from the preliminary Splash Pad and Inclusive Playground Feasibility Analysis and to receive feedback.

2. American Rescue Plan Act (ARPA) Town Department Project Update. [\[22-0730\]](#)

PRESENTERS: Amy Oland, Business Management Department Director  
Sarah Poulton, Senior Project Manager

The purpose of this item is to provide an update on American Rescue Plan Act (ARPA) projects from Town departments. Staff will also present three scenarios for Community Partner funding.

3. \*\* Future Use of the American Legion Property. (No Attachment) \*\* [\[22-0731\]](#)

\*\*\*\*\* TO ALLOW FOR ADEQUATE TIME FOR DISCUSSION ON THIS IMPORTANT COMMUNITY ISSUE, THIS ITEM HAS BEEN DEFERRED TO AN UNDETERMINED, FUTURE DATE.\*\*\*\*\*

## REQUEST FOR CLOSED SESSION TO DISCUSS ECONOMIC DEVELOPMENT, PROPERTY ACQUISITION, PERSONNEL, AND/OR LITIGATION MATTERS



# TOWN OF CHAPEL HILL

Town Hall  
405 Martin Luther King Jr.  
Boulevard  
Chapel Hill, NC 27514

## Item Overview

**Item #:** 1., **File #:** [22-0729], **Version:** 1

**Meeting Date:** 10/3/2022

### Splash Pad and Inclusive Playground Feasibility Analysis Update.

#### Staff:

Phil Fleischmann, Director  
Kevin Robinson, Senior Manager Park Planning and Operations  
Marcia Purvis, Principal Planner

#### Department:

Parks and Recreation

**Overview:** Town Staff and Wendi Ramsden, Landscape Architect, CJT, P.A., will provide the Council with an update on the Splash Pad and Inclusive Playground Feasibility Analysis and Report. The Council can provide feedback on the information being shared and offer guidance on moving forward.

The Parks, Greenways, and Recreation Commission and the splash pad and inclusive playground work group have received this information and have provided preliminary feedback and recommendations.



#### Recommendation(s):

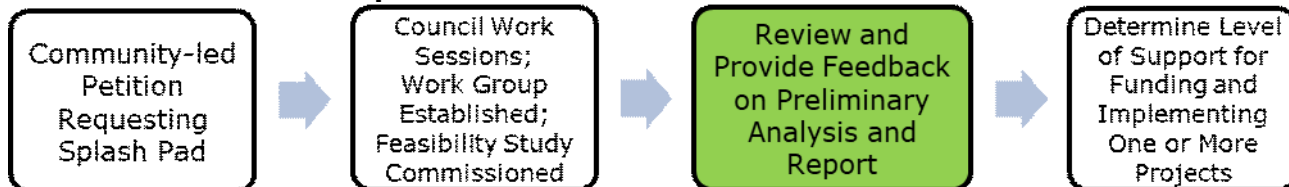
That the Council receive the update and support the continued work on the Feasibility Analysis and Report.

#### Decision Points:

- Of the eight sites identified, which should we continue analyzing?
- Are there types of splash pads and/or inclusive playgrounds that the Town prefers?

**Fiscal Impact/Resources:** Town Staff and the Project Landscape Architect will present anticipated costs during the meeting.

#### Where is this item in its process?



#### Attachments:

- Draft Staff Presentation
- Splash Pad and Inclusive Playground Preliminary Report
- PGR Commission Support Memorandum

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**The Agenda will reflect the text below and/or the motion text will be used during the meeting.**

PRESENTER: Kevin Robinson, Senior Manager Park Planning and Operations  
Marcia Purvis, Principal Planner

The purpose of this item is to share findings from the preliminary Splash Pad and Inclusive Playground Feasibility Analysis and to receive feedback.



# Chapel Hill Parks & Recreation Splash Pad and Inclusive Playground Study Progress Report

Presentation to Chapel Hill  
Town Council

3 October 2022

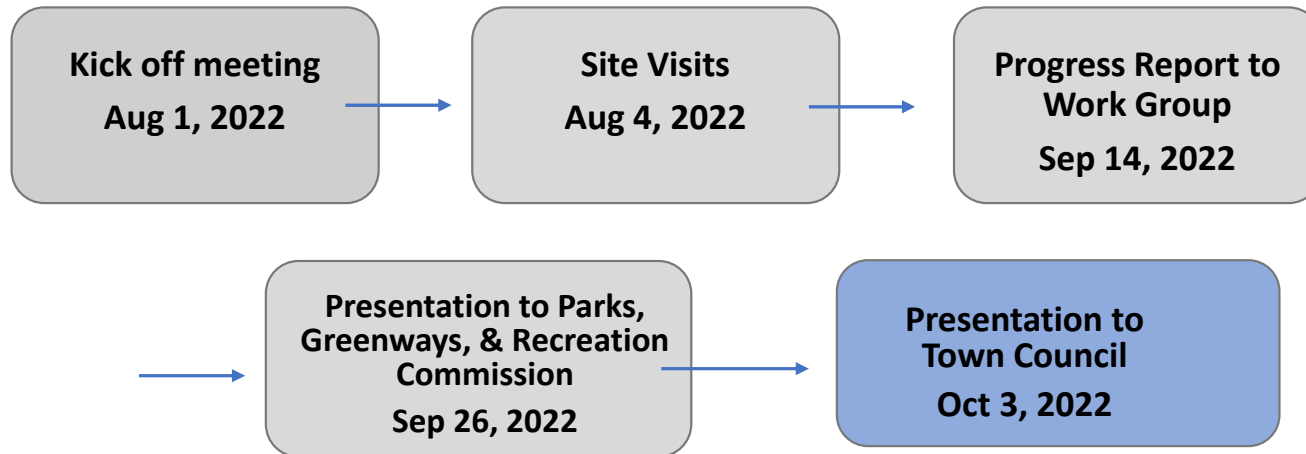


**PARKS AND RECREATION**  
[www.chapelhillparks.org](http://www.chapelhillparks.org)



draft

## Timeline



- Support to continue
- Consider limiting number of concept plans and costing
- Initiate Community Input
- Final Report and Presentations

Splash Pad and Inclusive Playground Study

Draft

## Project Justification

- Recreation Trends
- 2013 Comprehensive Parks Plan
- Growing Community Interest
  - Receipt of a petition signed by over 820 individuals supporting a splash pad in Chapel Hill
- Town's Goals Including:
  - Connected Community
  - Environmental Stewardship
  - Vibrant and Inclusive Community

## Project Criteria

Park location assessment using the following criteria:

- Adequate size
- Infrastructure
  - Availability of utilities
  - Availability of parking
  - Restrooms
  - Shelter
- Equity considerations such as:
  - Access and connectivity (e.g., public transit, pedestrian, bicycle)
  - Facilities that are at the end of their life span, or that have not seen significant improvements
  - Socioeconomic data
- Proximity to other parks and Town amenities (shopping, restaurants, etc.)
- Site impacts (utility relocation, environmental, cultural and natural resources, etc.)
- Evaluation of splash pad system types and pros and cons of recirculated water system versus a flow-through system
- Estimated design and construction, start-up, operations, and maintenance costs
- Community input options / processes
- Identification of most feasible build-out/phases of development

## Site Visits

- 6 parks
  - Cedar Falls Park
  - Community Center Park
  - Hargraves Park
  - Homestead Park
  - Southern Community Park
  - Umstead Park
- 2 public housing communities
  - Eastwood
  - Oakwood
- Input from Town staff



*Community Center Park – pool deck*



*Eastwood Public Housing – Suitable space on Eastwood frontage for pocket park splash facility*

*Homestead Park –  
Open space beside pool building*



*Cedar Falls Park – Trail  
between playground and  
parking lot/restrooms*

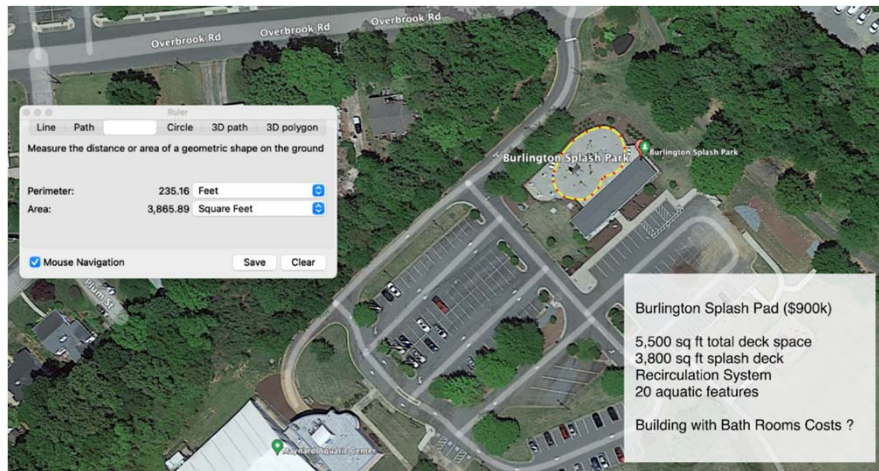


**Splash Pad and Inclusive Playground Study**



## Research

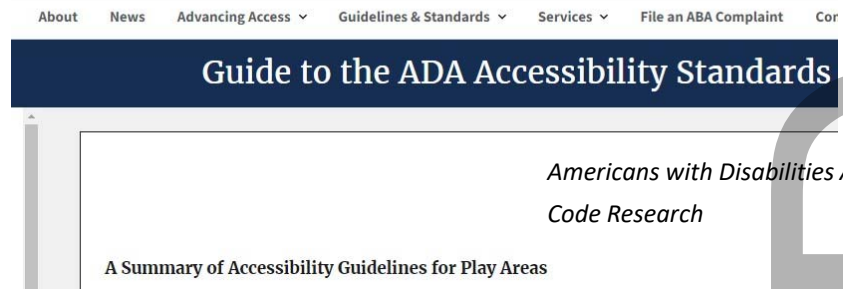
- Investigation of existing splash pad facilities in other municipalities – Burlington, Mebane, Pittsboro, Davie County, Fayetteville
- Code research
- OWASA information on sewer and water availability
- Zoning/Entitlement restrictions in place – i.e., existing Special Use Permits on parcels
- Public transit access
- # households within a quarter mile/walking distance



Burlington splash pad facility

OWASA plans – Water and sanitary mains at Homestead Park

Blue: water mains  
Green: sewer mains



## Splash Pad and Inclusive Playground Study

## Organizing Findings

### Sites in Consideration

- Collected and organized basic data
  - Location and Access (walk, bike, public transit)
  - Existing facilities
  - Existing utilities
  - Staff comments
  - Map suitable areas within each park or housing development
- Analyze suitability of each site for various facility improvements
  - Quick list pros and cons for each facility – large splash pad, pocket park splash pad, and inclusive playground

#### FACILITY CONDITION ASSESSMENT CHECKLIST COMMUNITY CENTER PARK 120 South Estes Drive

BASIC SITE INFORMATION			
Park Size	12.06 acres		
Public Access	S Estes Drive, Plant Road, pedestrian access from Bolin Creek greenway trail and from battle creek nature trail		
Public Transit:	4 routes with nearby stops		
PARKING		COMMENTS	STAFF COMMENTS
# spaces	66	paved	-parking is often insufficient
ADA spaces	3	appear compliant	
Expansion	not easily accessible	new lot could be added from Plant Rd	
OTHER FACILITIES			
Playground		not inclusive or ADA compliant	
Trailhead			
Bathrooms		inside community building single stall restrooms (2)	insufficient facilities
Shelter		gazebo in rose garden	
Change space		in pool wing	
Gym		inside community building	
Climbing wall		inside gym	
Pool		limited hours	insufficient staffing
Basketball, bocce ball		outdoor	
UTILITIES			
Existing water?	yes	Nearest Water	8", from Plant Rd
Is there adequate water supply	yes	Meter size	
Existing sanitary sewer?	yes	8" DI to Estes	
Existing storm mitigation facility		No	
Existing building for splash pad equipment		No	
FACILITY APPROPRIATENESS			
large splash pad facility			
pro:	space, utilities, access ex impervious deck available	con:	insufficient bathrooms & parking
small splash pad facility			
pro:	space, utilities, access	con:	insufficient bathrooms & parking
inclusive playground			
pro:	public transit	con:	insufficient bathrooms & parking
staff on site:	Yes		

### Splash Pad and Inclusive Playground Study

## Summary Chart of Parcel Data

Property	Size (acres)	Public Transit	Households within 1/4 mile	Water Service	Sanitary Sewer Service	Playground	Restrooms	Staff On-Site/Pool	Public Parking (Number of Spaces)	Affordable Housing Community Within Walking Distance	Property Site in Qualifying Census Tract
Cedar Falls Park	66.6	Y	262	Y	N	Y	Y	N	180	UNK	N
Community Center Park	12	Y	486	Y	Y	Y	Y	Y	66	Y	N
Hargraves Park	6.8	Y	1285	Y	Y	Y	Y	Y	60	Y	Y
Homestead Park	43.6	Y	582	Y	Y	Y	Y	Y	288	Y	N
Southern Community Park	71	Y	340	Y	Y	Y	Y	N	157	N	N
Umstead Park	23.7	Y	1252	Y	Y	Y	Y	N	42	Y	Y
Eastwood Public Housing	5.5	N	299	Y	Y	Y	N	N	N	Y	N
Oakwood Public Housing	6	Y	785	Y	Y	Y	N	N	N	Y	N

draft

Splash Pad and Inclusive Playground Study



## Destination Splash Pads

### ELEMENTS TO BE INCLUDED IN A DESTINATION SPLASH PAD

- Splash features, in multiple zones to accommodate different ages and abilities
- >5,000 square feet (sf)
- Handicap accessibility
- Restrooms and changing space
- Small protected/built space for water circulation and treatment equipment
- Parking expansion as needed
- Stormwater mitigation facility (bioretention area or sand filter) for increased impervious on site



*Sample layout of destination size splash park*



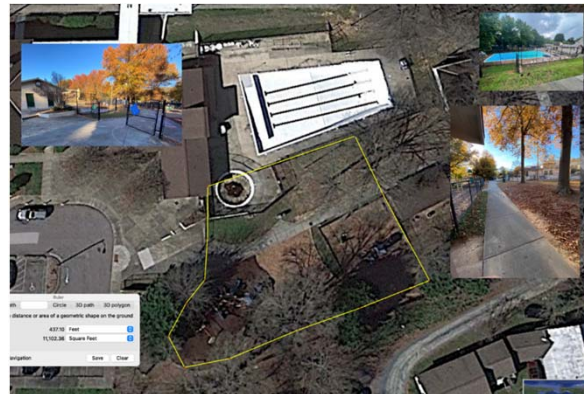
*Blue Heron Bay, Michigan*

Splash Pad and Inclusive Playground Study

## Destination Splash Pads (continued)

- Which sites could accommodate this facility, looking at these criteria:
  - Water and sewer availability
  - Site Access
  - Parking
  - Restrooms
  - Staffing availability
- Costs associated with getting the splash pad installed
  - Design
  - Permitting
  - Building the facility
- What other improvements would be required to make this happen
  - Parking additions
  - ADA access
  - Restroom improvements
  - Change room facility
  - Stormwater mitigation facility for increased site impervious

*Community Center Park –  
deck beside pool building*



*Hargraves Park – area overlapping existing  
wading pool and playgrounds*

*Homestead Park –  
Open space beside  
pool building*



Splash Pad and Inclusive Playground Study



## A large, modern playground structure with a tall tower and a large, flat roof, surrounded by trees and a stone wall. The structure is made of metal and has a large, flat roof that extends over a paved area. There are many children playing on the structure and in the surrounding area. The background is filled with tall trees and a stone wall.

1109 sq ft est 2023 \$225K 80 GPM  
 Hardscape install  
 Equipment and Features  
 Equipment Install  
 +Water and Sewer Taps  
 +Electrical

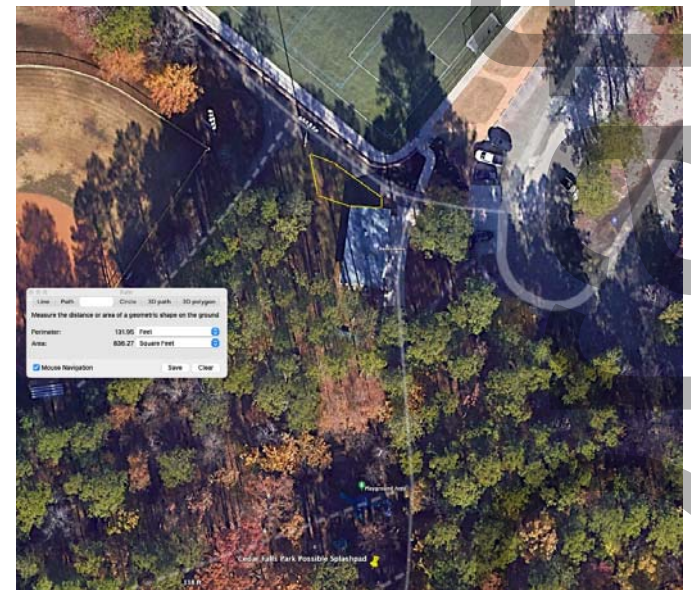
Bioswale and Stormwater Retention Pond to Bioswale									
Item	Quantity	Unit	Material	Price	Quantity	Unit	Material	Price	Quantity
1	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
2	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
3	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
4	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
5	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
6	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
7	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
8	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
9	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
10	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
11	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
12	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
13	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
14	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
15	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
16	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
17	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
18	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
19	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
20	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
21	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
22	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
23	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
24	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
25	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
26	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
27	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
28	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
29	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
30	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
31	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
32	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
33	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
34	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
35	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
36	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
37	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
38	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
39	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
40	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
41	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
42	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
43	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	1
44	1	sq ft	Grass	\$1.00	1	sq ft	Grass	\$1.00	

# Splash Pad and Inclusive Playground Study

## Pocket Park Splash Pads (continued)

- Which sites could accommodate this facility, looking at these criteria:
  - Water and sewer availability for a flow through system
  - Site access
  - Parking
  - Restrooms
  - Coexisting facilities which would benefit from a small splash area
- Costs associated with getting the splash pad installed
  - Design
  - Permitting
  - Building the facility
- What other improvements would be required to make this happen
  - Parking additions
  - ADA access
  - Restroom improvements
  - Stormwater mitigation for increased site impervious

### RECOMMENDED LOCATIONS:



*Cedar Falls Park*

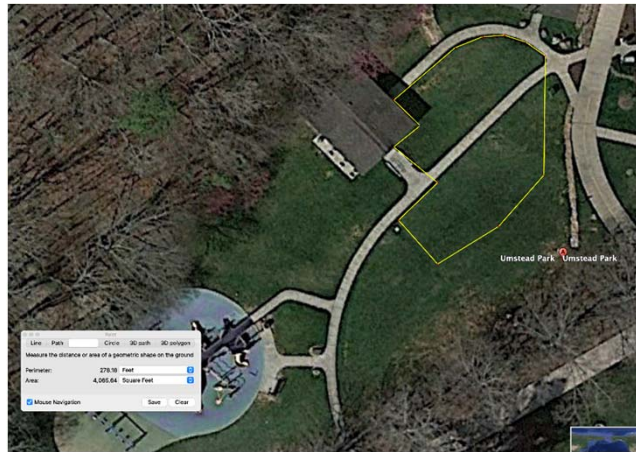
*Small splash facility / misters near fields that could be used by athletes and spectators as well as children*

**Splash Pad and Inclusive Playground Study**



## Pocket Park Splash Pads (continued)

*Umstead Park*  
Near the existing accessible  
playground and close to the  
restrooms



*Southern Community Park*  
Within the existing fenced  
playground area



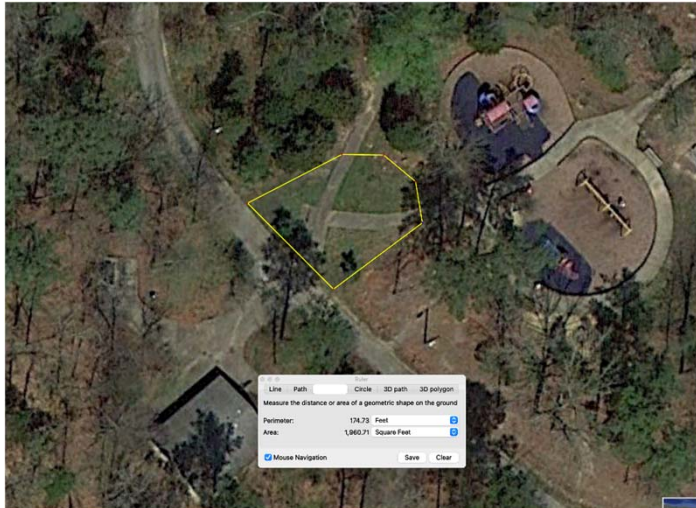
### RECOMMENDED LOCATIONS:

*Community Center Park*  
Adjacent to the existing  
playground area



Splash Pad and Inclusive Playground Study

## Pocket Park Splash Pads (continued)



*Homestead Park*

*Between the existing  
playground area and the  
restroom/shelter building*

### RECOMMENDED LOCATIONS:

*Eastwood Public Housing*

*Either along the Eastwood  
frontage where there is open  
space protected from the street,  
or replacing a basketball half  
court*



*Hargraves Park*

*Between the existing pool  
and playground facilities*

**Splash Pad and Inclusive Playground Study**



## Accessible Inclusive Playgrounds

**Accessible** – Meets ADA accessibility code for users with physical disabilities.

**Inclusive** – Allow children of all abilities to play with their peers regardless of physical or social or cognitive needs.

- Which sites could accommodate a playground facility
- Which sites could accommodate small improvements to make the playground more inclusive and more accessible
- Costs associated with getting the playground installed
  - Design
  - Permitting
  - Building the facility
- What other improvements would be required to make this happen
  - Parking additions
  - ADA access
  - Restroom improvements



*Existing  
accessible  
playground at  
Umstead Park*

### New Playground

Community Center Park  
Hargraves Park  
Homestead Park



*Older playground at Community Center Park*

### Adapt Existing Playground

Cedar Falls Park  
Southern Community Park  
Umstead Park

Splash Pad and Inclusive Playground Study

## Combination Splash Pad / Playground

- Which sites could accommodate a playground facility looking at parking and restroom facilities, as well as available accessible open space outside of RCD zones

### Adapt Existing Playground / Add Splash Elements

These three parks have a good basic accessible playground. They could be turned into inclusive playgrounds with splash features with the addition of new elements and expansion of playground area.

- Cedar Falls Park
- Southern Community Park
- Umstead Park

*Park and splash pad  
Barnwell, SC*

### New Playground with Pocket Park Sized Splash Facility

In all cases the existing playground equipment is nearing the end of useful life, and replacement inclusive playground could include a splash element.

- Community Center Park
- Hargraves Park
- Homestead Park



## Splash Pad and Inclusive Playground Study



## Costs

*Sample layout,  
destination splash facility*

### **DESTINATION SPLASH PAD** 2,500 sf – 5,500 sf+

\$ 700,000-1,200,000

plus site preparation (grading, vegetation removal,) and improvements such as parking, accessible walkways, improved restrooms

### **POCKET PARK SPLASH PAD** under 2,000 sf

\$ 200,000-400,000

plus site preparation (grading, vegetation removal) and improvements such as accessible walkways and restroom improvements

### **ACCESSIBLE INCLUSIVE PLAYGROUND**

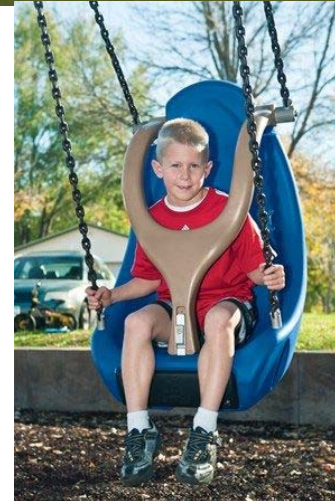
\$325,000-450,000

plus site preparation (grading, vegetation removal) and site improvements such as accessible walkways and restroom improvements

### **ADAPT AN EXISTING PLAYGROUND TO BE MORE INCLUSIVE AND ACCESSIBLE**

\$ 50,000

Includes addition of adapted swings, separate play elements, rework of ramp access locations and additional play structure access



*Landscape Structures,  
adaptive swing option*

## Splash Pad and Inclusive Playground Study

## Costs



*Annie Jones Park, Cary Accessible restroom building*



*Bioretention facility  
NC DENR manual*

### **NEW ACCESSIBLE RESTROOM FACILITY**

\$ 400,000-500,000

assumes existing water and sewer services

### **NEW CHANGE ROOM FACILITY +/- 1400 sf**

\$ 400,000

### **ACCESSIBLE SIDEWALK CONNECTION**

\$ 15,000

### **EXTENSION OF SANITARY SEWER AT CEDAR FALLS**

\$ 310,000

Assumes pump station, force main, and sanitary main extension to existing service on Country Road

### **BIORETENTION AREA**

To treat stormwater from increased impervious and large areas of disturbance

\$ 100,000

**Splash Pad and Inclusive Playground Study**

## Cost Bundle Examples

### EXAMPLE 1

DESTINATION SPLASH PAD WITH NEW RESTROOM /  
CHANGE FACILITIES AND ADDED PARKING AND ACCESS –  
RECIRCULATING SYSTEM

3,500 sf, fenced, 24+ spray features

Splash Pad:	\$ 1,000,000-1,200,000
Restroom/ Changeroom:	\$ 600,000
Parking – 20 spaces:	\$ 200,000
Accessible Walks:	\$ 15,000
Shade and Seating:	\$ 105,000
Bioretention:	<u>\$ 100,000</u>
TOTAL:	\$ 2,020,000-2,220,000

Operating costs: \$ 10,000-12,000 annually for  
maintenance, electric, water and sewer

### EXAMPLE 2

AVERAGE SIZE DESTINATION SPLASH PAD WITH NEW  
RESTROOM / CHANGE FACILITIES AND ADDED PARKING  
AND ACCESS – RECIRCULATION SYSTEM

2,000-4,000 sf facility, 16-24 splash features

Splash Pad:	\$ 650,000-750,000
Restroom/Changeroom:	\$ 600,000
Parking – 20 spaces:	\$ 200,000
Accessible Walks:	\$ 15,000
Shade and Seating:	\$ 105,000
Bioretention:	<u>\$ 100,000</u>
TOTAL:	\$ 1,670,000 – 1,770,000

Operating Costs: \$ 7,000-10,000 annually for  
maintenance, electric, water and sewer

Splash Pad and Inclusive Playground Study

## Cost Bundle Examples

### EXAMPLE 3

#### POCKET PARK SPLASH PAD WITH PEDESTRIAN ACCESS

5-10 spray features, 1,000-2,000 sf

Flow-through system

Splash Pad: \$ 170,000-250,000

Dedicated water

and sewer taps: \$ 165,000-185,000

Accessible Walks: \$ 15,000

Bioretention: \$ 80,000.

TOTAL: \$ 430,000-530,000

Annual operating expense: \$ 18,000-45,000 for maintenance, water and sewer costs

### EXAMPLE 4

#### NEW ACCESSIBLE INCLUSIVE PLAYGROUND WITH SMALL SPLASH AREA ELEMENTS

1-3 spray features, with playground

New playground

and surfacing: \$ 325,000 – 450,000

New Restroom: \$ 400,000

Splash elements: \$ 150,000

Dedicated water

and sewer taps: \$ 165,000-185,000 — might not be necessary

Accessible Walks: \$ 15,000

Bioretention: \$ 100,000.

TOTAL: \$ 1,155,000-1,300,000

Annual operating expense: \$ 8,000-10,000 for maintenance, water and sewer costs.

Splash Pad and Inclusive Playground Study

## Next Steps

### **COSTS**

Playground costs specific to each site

### **RESEARCH**

Further costing or accessory improvements to the splash pads, specific to each site considered

### **COMMUNITY ENGAGEMENT AND PUBLIC INPUT AFTER COUNCIL MEETING**

Promotion of opportunities:

- Door hangers
- Schools, including counselors and PTA
- Chapel Hill Mothers Club Facebook Group
- Special Olympics Events
- E-News and Text Blasts
- Project webpage
- Signs at Parks and Public Housing Communities

Public meetings scheduled at various locations which could include Hargraves Community Center, Chapel Hill Public Library, Kidzu, etc.

Online survey

### **CONCEPT PLANS**

- Small concept for each park with a more complete cost estimate based on existing conditions
  - 1 destination splash pad
  - 1 new playground
  - 1 or more pocket park splash pads
  - 1 or more adaptive playgrounds

Splash Pad and Inclusive Playground Study

draft

## What are we seeking from Council?

### FEEDBACK:

Given the information shared, which sites do you feel warrant further analysis?

What are your thoughts on the different types of splash pads and inclusive playground options?

Are there areas of the draft report warranting more research and/or clarity?

### SUPPORT:

Recommend to continue with completion of study, to include community engagement

draft

# **TOWN OF CHAPEL HILL SPLASH PAD AND INCLUSIVE PLAYGROUND SITE FEASIBILITY STUDY**

## **PRELIMINARY REPORT**

**28 September 2022**

Prepared by



**CJT P.A.**

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Planning for the Future



For

**Town of Chapel Hill  
Parks & Recreation Department**





## ACKNOWLEDGEMENTS

CJT PA and 80 West Group acknowledge the contribution of the following individuals for providing their time, insight, expertise, and efforts to advise the analysis, and production of this project.

### **TOWN OF CHAPEL HILL**

#### **Parks and Recreation Department**

Phil Fleischmann – Parks and Recreation Director

Marcia Purvis – Parks and Recreation, Project Administrator

Kevin Robinson – Parks and Recreation, Sr Park Planning and Operations Manager

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Lizzie Burrill – Parks and Recreation, Recreation Supervisor

### **CONSULTANT TEAM**

#### **CJT PA**

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#### **80 West Group**

Cory Anderson – Principal



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## SECTION 1 - Overview

### **PRELIMINARY REPORT FOCUS OF STUDY**

The Town of Chapel Hill contracted with CJT PA and 80 West Group to study 8 Town-owned properties and analyze their suitability for installation of a splash pad facility and/or installation of an accessible playground facility. The consultant was also to provide concept plans for such facilities with cost estimates. Recognizing an opportunity to examine options for both amenities collectively, this study was commissioned.

CJT, a Durham-based Landscape Architecture and Civil Engineering firm partnered with 80 West Group to study the sites with respect to splash pad use feasibility.

### **OVERVIEW**

The Town of Chapel Hill contracted with CJT PA and 80 West Group to study 8 Town-owned properties and analyze their suitability for installation of a splash pad facility and/or a playground with both inclusive and splash pad features to increase outdoor summer activities that include staying cool. The sites assessed are:

- Cedar Falls Park - 501 Weaver Dairy Road
- Community Center Park - 120 S Estes Drive
- Hargraves Center - 216 N Roberson Street
- Homestead Park - 100 Aquatic Drive
- Southern Community Park - 1000 Sumac Road
- Umstead Park - 399 Umstead Drive
- Eastwood Public Housing Community - NE corner Piney Mountain Road and Eastwood Road
- Oakwood Public Housing Community - 605 Oak Avenue

CJT, a Durham-based Landscape Architecture and Civil Engineering firm partnered with 80 West Group to study the sites with respect to splash pad use feasibility. 80 West Group has been involved with design and installation of over 200 splash pad facilities in the past 20 years.

The Town was interested in investigating the possibility of adding one or more splash pad facilities to expand the recreational opportunities for the residents of Chapel Hill. At the same time, the Parks Department had planned to install an accessible playground at Cedar Falls Park, but plans have only been partially completed.

In 2021, a petition with over 800 signatures in support of construction a splash pad was provided to the Town Council. The Town established a splash pad work group to further explore options for construction in Chapel Hill. The consultant team has looked at the 8 Town owned sites with respect to their suitability for both splash pad and inclusive accessible playground facilities. Additional content will be added to this report as it is completed; for example, community/public input summary information.

### **PROJECT CRITERIA**

The consultant is charged with analysis of select Town-owned parcels to be considering for locating a large splash pad facility , a smaller pocket park splash pad facility, an accessible playground, or some

combination of those elements. Also, the consultant is to provide concept plans for such facilities with cost.

Per our commitment to the One Orange Racial Equity Plan, we will give preference to locations for these amenities that expand rights and choices for marginalized populations, mitigate historical inequities, and reduce disparities in access to parks and recreation facilities. We have and will continue to use several tools to identify neighborhoods most impacted by these disparities and historical inequities.

Qualified Census Tracts are a vital indicator of areas affected by historical segregation and disinvestment and increasing access to amenities in these areas is our priority. Other data we consider as signifiers of historical disinvestment include access to public transit, walkability, and proximity to Public Housing.

We are committed to using the Racial Equity Toolkit developed through One Orange to evaluate the impact on marginalized communities for any potential Splash Pad and Inclusive Playground locations we will have.

The selection criteria for the proposed facilities were developed using the Town's Goals including:

- Connected Community
- Environmental Stewardship
- Vibrant and Inclusive Community

Advise on Accessible vs. Inclusive and Accessible Playgrounds, Pocket Park vs. Destination Splash Pads

- Park location assessment includes the following criteria:
- Diversity, equity and inclusion such as
  - A location that allows people throughout the community to walk, bike and/or ride the bus to enjoy these amenities
  - A location that provides an investment in facilities that are at or near the end of their life span, or that have not seen significant financial improvements such as older or underutilized parks with fewer recreational amenities
- Adequate site size
- Access and connectivity (public transit, pedestrian, bicycle)
- Availability of parking
- Infrastructure
  - Availability of utilities
  - Restrooms
  - Shelter
- Socioeconomic data of nearby neighborhoods
- Proximity to other parks and Town amenities (shopping, restaurants, etc.)
- Site impacts (utility relocation, environmental, cultural and natural resources, etc.)
- Evaluation of splash pad system types and pros and cons of recirculated water system versus a flow-through system
- Estimated design and construction, start-up, operations, and maintenance costs
- Community input options / processes
- Identification of most feasible build-out/phases of development

## SECTION 2 – Evaluation Process

### **PROCESS AND METHODOLOGY**

At the start of the study, the consultant team, with Town staff, made visits to all sites to get an overall view and impression of the facilities at each site and to talk to the staff about perceived assets and deficiencies with respect to additional facilities. Specifically, the team looked at site size and open space development availability, parking, restrooms, shelters, existing pedestrian connectivity, and utilities. At this time the consultant team also scanned the sites for appropriate locations for large- and small-scale splash pad facilities, and for appropriateness of accessible playgrounds.

Following these visits, the consultant team reviewed OWASA supply information, site accessibility, demographics, and through doing so gained a deeper understanding and analysis of each site's assets and deficiencies. Criteria used in analyzing suitability of each site includes:

- Park size and location
- Accessibility of the park
- Suitability of existing amenities to complement the proposed splash pad/playground
- Capacity of required amenities such as parking and restrooms
- Availability of splash pad space near parking and restrooms
- Capacity of existing utilities
- Staffing on site
- Age of existing facilities and whether they are due for replacement

The splash pad consultant investigated nearby splash pad facilities to analyze the product offered and installation costs for those projects. They have also investigated general costs for installing splash facilities in Chapel Hill parks, working with OWASA construction and operating costs used as a basis to compare different water circulation systems.

## SECTION 3 – Site Investigation and Site-Specific Recommendations

### CHAPEL HILL DEMOGRAPHICS

The Parks and Recreation Department asked the consultants to consider 8 sites, 6 of which are existing parks and 2 of which are Town owned public housing communities. The consultant team along with Town staff visited all 8 sites on August 4, 2022.

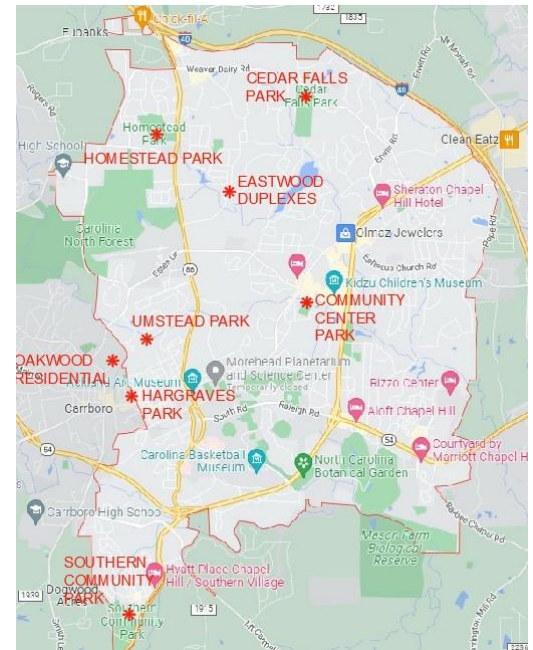
Census data reports that as of April 2020 Chapel Hill had a population of 61,906. By age the breakdown is:

3.8% under 5 years – approx. 2,355

17.1% under 18 years – approx. 10,600

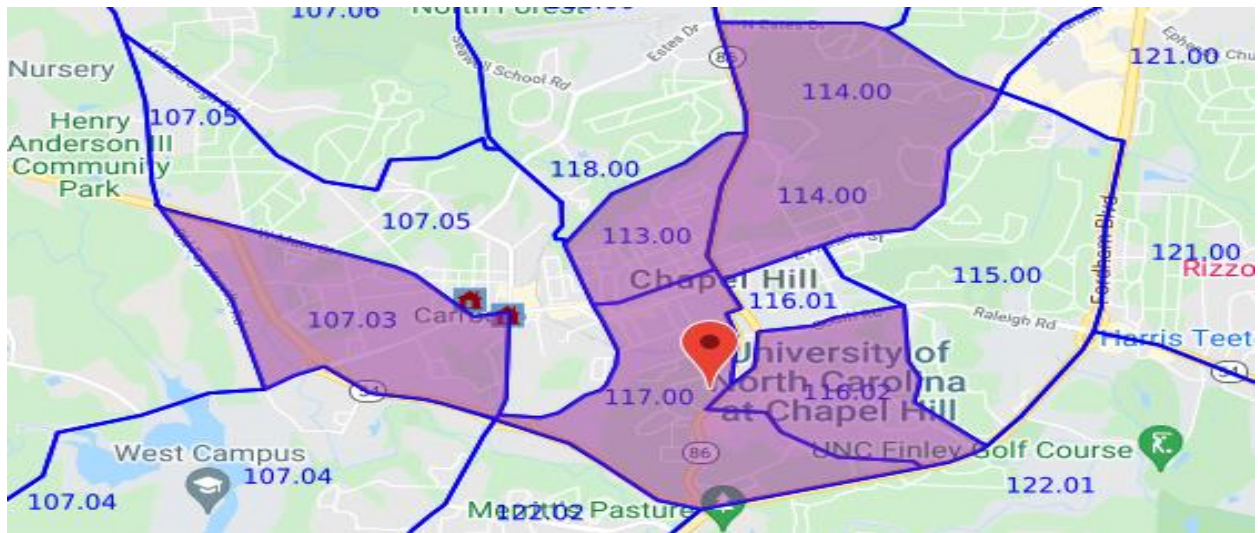
The parks investigated are concentrated along the western part of town, and also included Cedar Falls Park to the north and the Community Center Park just off Fordham Blvd.

Each of the park sites has different accessibility aspects related to their location, which will influence how easily users can get to the proposed new facilities. One quarter mile is a distance easily accessible on foot for most users. This is a distance frequently used by studies as an acceptable range that the average person will routinely walk to get to desired destinations. The following table breaks out uses and facilities within a quarter mile of each of the sites investigated.



<u>Town Site</u>	<u># Households within ¼ mile</u>	<u>Nearby Facilities</u>
Cedar Falls Park:	262	high school, restaurants, gas station
Community Center Park:	486	University Place, restaurants, retail, greenway trail
Eastwood Community:	299	n/a
Hargraves Park:	1286	elementary school, daycare, downtown restaurants and services, greenway trail
Homestead Park:	582	limited retail, daycare, multiple new residential projects proposed for the area, greenway trail
Oakwood Community:	785	Wilson Park and bike trail
Southern Community Park:	340	Elementary school, daycare, transit hub, Southern Village retail and restaurants, greenway trail
Umstead Park:	1252	Elementary school, greenway trail

This plan illustrates the census tracts within Chapel Hill where more than 50% of households are at an income level less than 60 % of the area's gross median income. In the summary chart on page 14 it has been noted which of the Town properties considered are in one of these qualifying census tracts.



*Census tract plan from the American Rescue Plan Act Program website.*

There is a summary of the facilities found at each park on the following pages.

Reserved for pdf of

**CEDAR FALLS PARK**

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**CHAPEL HILL COMMUNITY CENTER PARK**



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**HARGRAVES PARK**

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**HOMESTEAD COMMUNITY PARK**

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**SOUTHERN COMMUNITY PARK**

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**UMSTEAD PARK**

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**EASTWOOD DUPLEXES**

**OAKWOOD HOUSING**

Where there is some accommodation for accessible playgrounds



**SITE SUMMARY TABLE**

The chart below summarizes some of the basic park facility and location data from each of 8 Town owned properties under consideration for a new splash pad/and or inclusive playground facility.

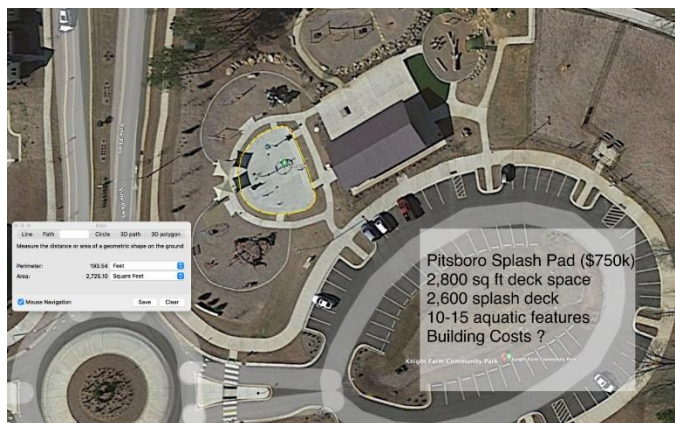
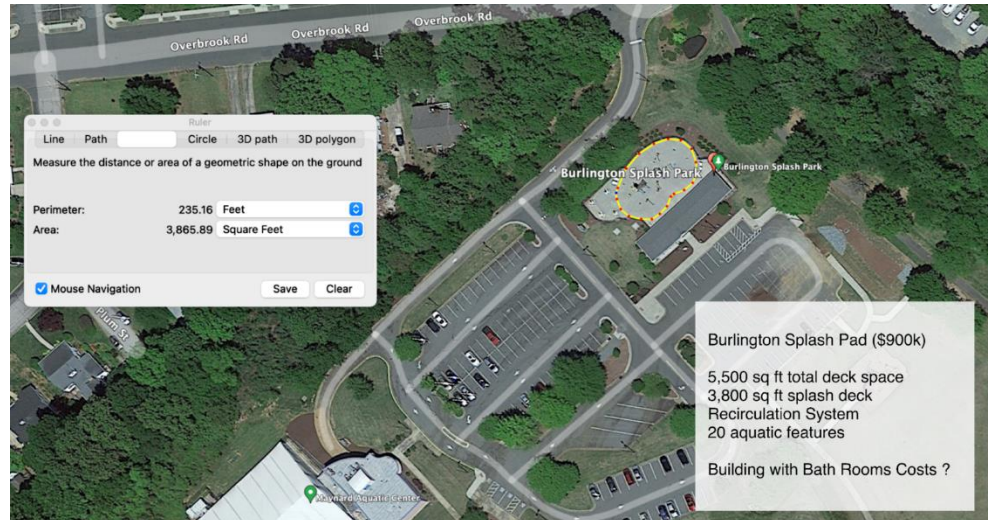
Property	Size (acres)	Public Transit	Households within 1/4 mile	Water Service	Sanitary Sewer Service	Playground	Restrooms	Staff On-Site/Pool	Public Parking (Number of Spaces)	Affordable Housing Community Within Walking Distance	Property Site in Qualifying Census Tract
Cedar Falls Park	66.6	Y	262	Y	N	Y	Y	N	180	UNK	N
Community Center Park	12	Y	486	Y	Y	Y	Y	Y	66	Y	N
Hargraves Park	6.8	Y	1285	Y	Y	Y	Y	Y	60	Y	Y
Homestead Park	43.6	Y	582	Y	Y	Y	Y	Y	288	Y	N
Southern Community Park	71	Y	340	Y	Y	Y	Y	N	157	N	N
Umstead Park	23.7	Y	1252	Y	Y	Y	Y	N	42	Y	Y
Eastwood Public Housing	5.5	N	299	Y	Y	Y	N	N	N	Y	N
Oakwood Public Housing	6	Y	785	Y	Y	Y	N	N	N	Y	N

## SECTION 4 – Splash Pad Options

### SAMPLING OF NEARBY EXISTING FACILITIES

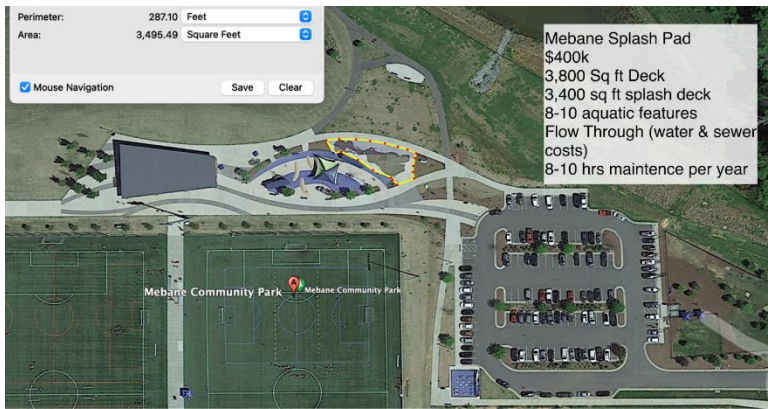
Prior to the start of this study, Town staff toured some nearby splash pad facilities in Burlington, Mebane, and Pittsboro. Details of these facilities have been included in the splash pad examples below.

Burlington Splash Pad has about 5,500 sq ft of total deck space and 3,800 sq ft of that as a splash deck. Their aquatic features and recirculation system and installation was approximately \$900,000. The cost of the building attached is unknown, but it houses an approved recirculation system design. System start-up for season approx. 1.5 days and shut-down 1 day for a recirculation system. A splash pad like this would require daily water sample log and daily maintenance checks. Expect 10-15 minutes on operation days to log water levels, calibrate systems, check and test features, and run a sequence.



Pittsboro Splash Pad has about 2,600 sq ft of splash deck and 2,800 of deck space. Their turn-key project cost approximately \$750,000. The building housing the recirculation system costs are unknown. The same maintenance listed for Burlington would apply to Pittsboro. The costs to budget for yearly operation would be hourly maintenance rates, water, sewer and electrical, and under proper operation and maintenance systems should last 8-15+ years well past newer technology to make systems operate with more automation and less staff maintenance.

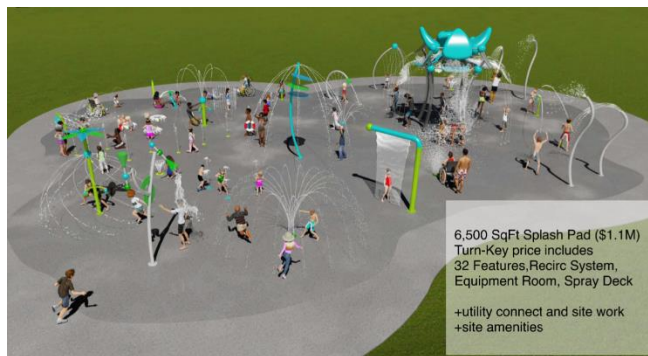
Mebane Splash Pad has about 3,400 sq ft of splash deck and 3,800 sq ft of deck space. This project is estimated turn-key around \$400,000. This is a pocket park design for low flow drain to waste systems. This does not require a health department permit, because water is not being captured and reused for



human contact. Owner is paying for water and sewer costs associated with the gallons per minute required to operate for the hours of operation and sometimes costly main water and sewer taps. 8-10 hours maintenance checks per year. (once weekly to check sequence and aquatic feature functions).

## DESTINATION SPLASH PAD FACILITY DEFINITION

Destination splash pads are aquatic spaces that are worth packing up the crew and making the afternoon of it. Typically, larger spaces and an array of water effects and experiences for all ages and abilities. These designs almost always have a system to capture the water, filter, and treat the water for reuse. Recirculated splash pads in North Carolina are regulated by the state health department.





## SUITABILITY OF CHAPEL HILL PARKS FOR A DESTINATION SPLASH PAD

Three Chapel Hill parks can be feasible locations for any size splash pad from destination to pocket park. All have aquatic staff and/or staff on site, available space, utilities from existing building (Tap fees).

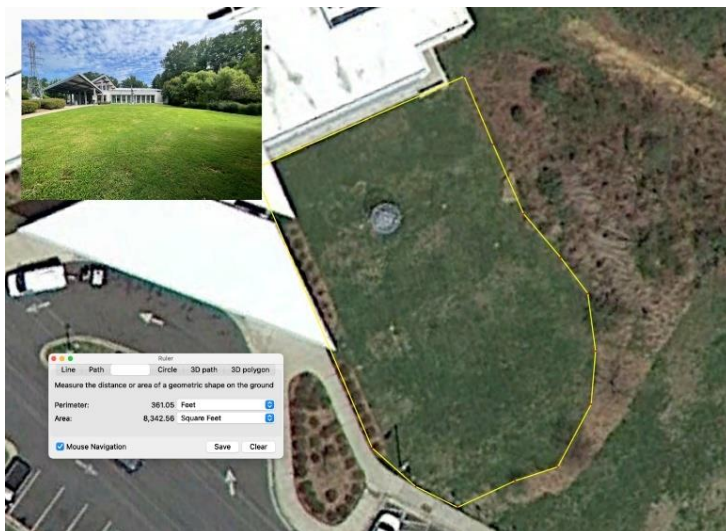


### Hargraves Park / AD Clark Pool

Hargraves Park is recommended to accommodate any size splash pad up to 4,000 sq ft with the existing playground for a total of over 11,000 sq ft. This park also has older facilities so a splash park would contribute to updating some of the auxiliary facilities (access, play areas) and would provide water play in the event that the pool needs major repairs or replacement which would preclude use during a summer season.

### Chapel Hill Community Center/Pool

Chapel Hill Community Center has current outdoor pool deck space over 6,000 sq ft and could accommodate any design up to 8,000 sq ft. This site is central in Town, and historically has had shorter pool hours due to staffing shortages. A splash park would provide a cooling water feature to extend outdoor recreation play time for Town residents. The splash pad would be located close to the playground and would provide some auxiliary amenities (such as accessible restroom) which would benefit other park facilities.



### Homestead Aquatic Center

Homestead Aquatic Center has an 8,000+ sq ft cleared grassy area in front of the building to accommodate a new aquatic play space. Previously this was envisioned as the future location of a gym. It is somewhat removed from the playground area.

## SMALL POCKET PARK OR MEDIUM SIZED SPLASH PAD FACILITIES

Pocket park splash pads are typically smaller - from 3-8 features - and usually low flow (less than 72 gpm). Medium sized pads range from 8-16 features and usually low flow (60-150+ gpm). Pocket or Medium pads have one big question to answer with several factors to weigh. Should I pay for water and sewer or recirculate?

Single Use:

- - Water and sewer costs are important to calculate during the design phase.
  - Hours of operation and sequences are ways to control water budget.
- For maintenance expect 2-3 visits weekly (10-15 minutes per visit for splash pad duties) Depending on use, add time for items like trash and clean-up, 1–2-hour season start-up and 1–2-hour season shut down.
- Here are a few examples project budgets for pocket parks with your water and sewer costs calculated.

### EXAMPLE 1:

This flow through design is 800 sq ft with one above grade spray feature and 7 ground sprays. This design would need 7,000-15,000 gallons per day of use sequenced between 5-10 hours or cost \$126-\$251 per day. (37 GPM)

Turn-Key Splash Pad Estimated \$180k +site prep and utility connection.



### EXAMPLE 2

This single use Pad is 970 sq ft with a couple of tall features and 6 ground sprays. This design would use 13k-26k gallons of water per day or cost \$200-\$420 per day. (60 GPM)

Turn-Key Splash Pad Estimated \$210k +site prep and utility connection.





**EXAMPLE 3**

This 1,110 sq ft design pass through has 4 above grade features and 4 ground level sprays. This would use 16k-33k gallons of water per day or cost \$270-\$540 per day. (80 GPM)

Turn-Key Splash Pad Estimated \$225k +site prep and utility connection.

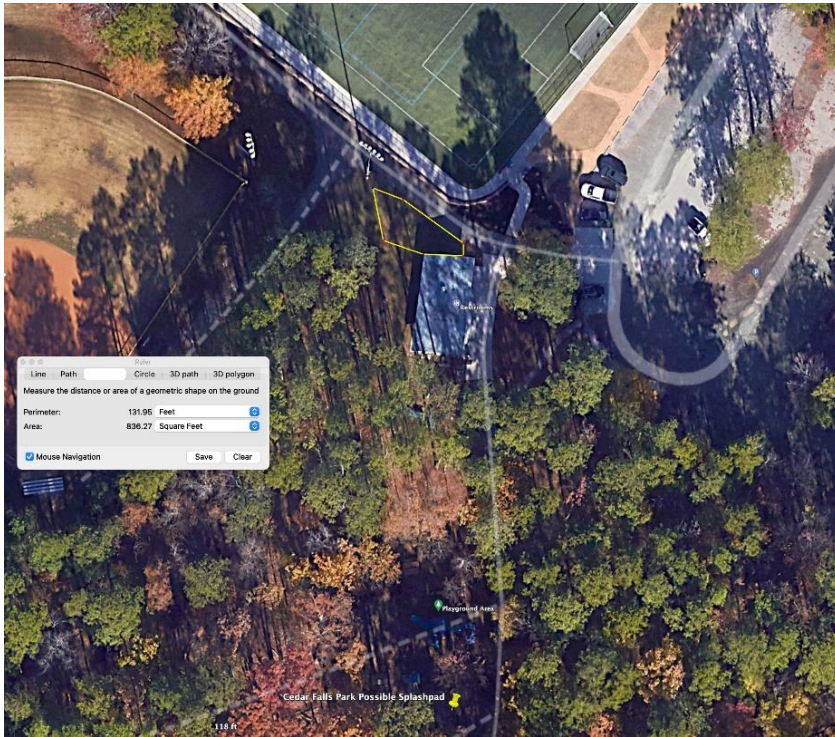
Recirculate:

- The State Health Department dictates the requirements for each design and must give approval for order of equipment.
  - Highlights
  - (3) "Public swimming pool" means public swimming pool as defined in G.S. 130A-280. Public swimming pools are divided into five types:
    - (d) "Water recreation attractions" are pools designed for special purposes that differentiate them from swimming pools, wading pools, and spas. They include:
      - (i) water slide plunge pools and run out lanes, which transfer the kinetic energy of the users' velocity through friction to the slide.
      - (ii) wave pools.
      - (iii) rapid rides.
      - (iv) lazy rivers.
      - (v) interactive play attractions that incorporate devices using sprayed, jetted, or other water sources contacting the users and that do not incorporate standing or captured water as part of the user activity area.
- Higher initial costs, with minimal operating costs
- Many more design capabilities for 8-16 features and range in sizes from 2k-4k sq ft
- Expect 15-20 minutes daily to sample and log water sample, perform backwash or swap out cartridge filter
- See page 35 for the section in the NC Public Swimming Pool Code for Water Recreation Attractions

## SUITABILITY OF CHAPEL HILL PARKS FOR A POCKET PARK SPLASH PAD

Seven of the eight sites visited would be appropriate places to install a smaller splash pad facility. The single location where even a small splash facility would not be practical is the Oakwood Public Housing site. At this site there is no green space which truly feels like community space. All the open space at this location is either right next to a parking lot or feels part of individual residential unit outdoor space. There is also no public parking at this location, and not much local street parking.

### Cedar Falls Park



A pocket park sized facility would be appropriate at this location. A small splash facility near the restrooms or near the existing playground would provide a welcome cooling spot for families enjoying the playground or the tennis courts, and misters would provide a very beneficial amenity for the same group as well as athletes and spectators at the play fields.

This park does not currently have OWASA sanitary sewer service, and the existing septic field does not function properly when the park is overcrowded or when there has been a large rain event. The small splash area or misting station would not require sanitary sewer facilities, and though it would act as an amenity for park users, it would be unlikely to attract a larger user group.

### Community Center Park

A small splash facility could be accommodated near the playground and act as a beneficial extension of that play area. This is the most used playground in Town and adding a water feature would provide a feature that would extend users' time at the park.





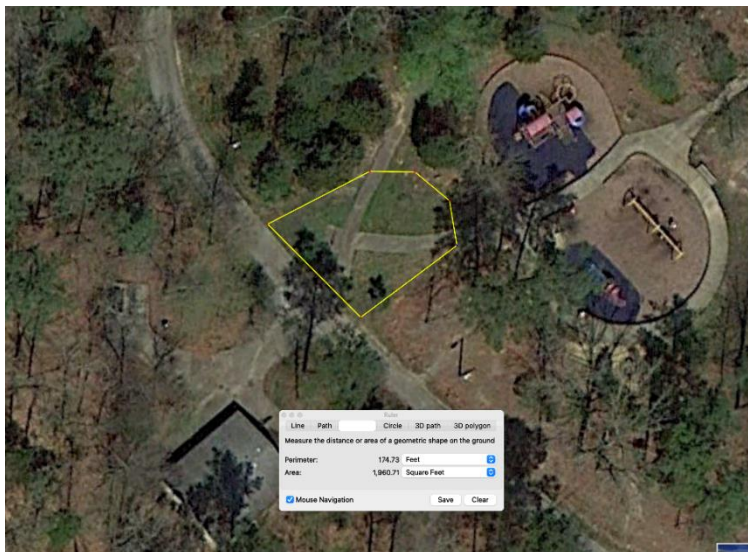
## Eastwood Public Housing

There are two locations at the Eastwood development appropriate for a small splash feature. In the center of the community there is an older basketball half court which is in disrepair. This feature could be removed and provide a space for a smaller splash facility. There is also a large grassy space on the Eastwood Road frontage which is handy to the water utility service. Development of a small splash feature at this location would feel more like a public park and would be visible but slightly screened from the street. There is some availability of public street parking in this neighborhood. The argument against a facility in this location is that there is no public transportation available, and all nearby streets are residential and may not be appropriate for increased park traffic.



## Homestead Park

There is a suitable location near the playground and restroom area for a small splash facility in this park. The restroom building contains an extension which is a sheltered picnic area. There are also many playfields at this park which see routine and tournament type use. A small splash facility in this park would also serve the athletes and spectators on the baseball and soccer fields.





## Hargraves Park

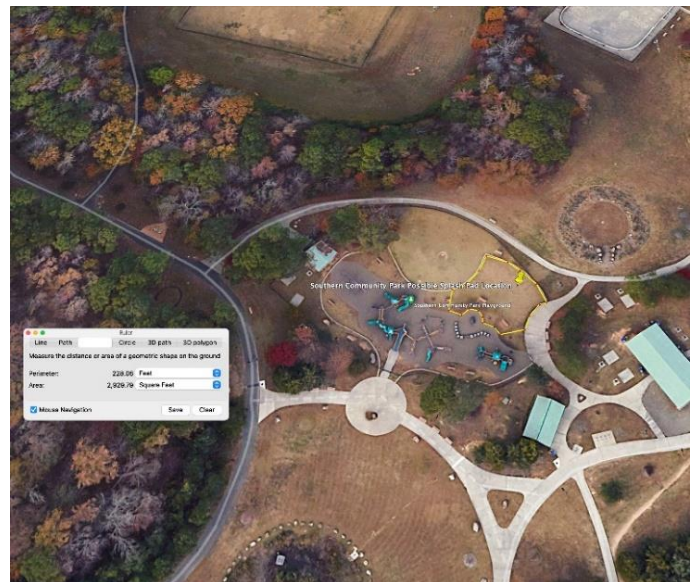
Hargraves Park has an opportunity for a small or medium sized splash facility between the pool and the playground areas. This park has the highest number of households within walking distance, is close to downtown and public transit, and has multiple options/locations for parking. This park is older - the pool was built in the 1960's - and the neighborhood has been underserved historically. A splash facility at this location would provide an additional amenity at a popular community park.



## Southern Community Center Park

Southern Community Park has a master plan which includes a splash feature, though this amenity was not built. There is space within a fenced playground area which could easily accommodate a small or medium size splash pad, which would be a complementary amenity to the playground, shelters, and walking trails already in place.

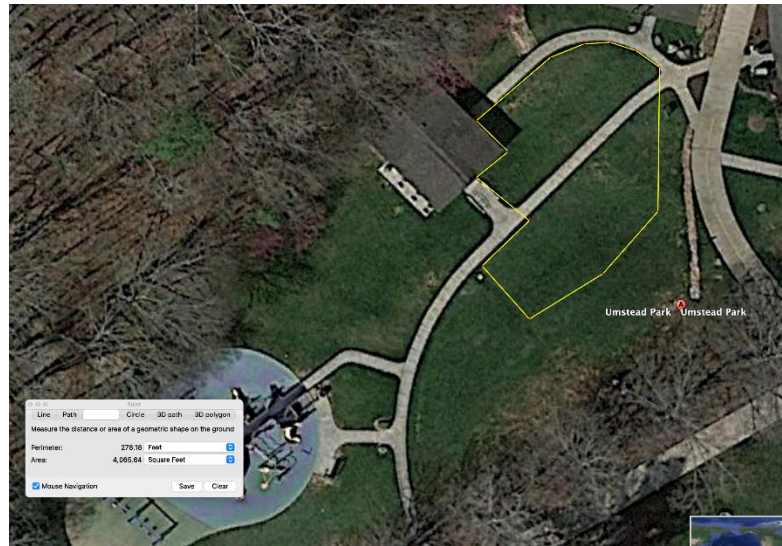
Like Cedar Falls and Homestead Parks, this park also has multiple playfields which attract large groups, and a small splash feature or mister located between the shelter and playfields would be a welcome amenity to field users as well as to families using the playground and picnic facilities here.



## Umstead Park

There is a new very accessible playground at Umstead Park. This would be an appropriate place for a small to medium splash facility as a complimentary facility to the playground. This location has walking accessibility for almost as many households as the Hargraves Center Park and is located on the Tanyard Branch Greenway Trail.

There is an existing restroom building with picnic shelter.



## SECTION 5 – Inclusive Playground Options

### ACCESSIBLE PLAYGROUNDS

The Americans with Disabilities Act (ADA) requires that newly constructed and altered local government facilities be readily accessible to and usable by individuals with disabilities. This generally focuses on designing for people with physical accessibility issues. The minimum requirements to meet ADA compliance include:

- An accessible route from accessible parking to the playground facility must be at least 60" wide with a running slope of 5% or less and a cross slope of 2% or less. Accessible routes must be in the same area as the general circulation path.
- Within the play area accessible routes must be at least 36" wide, with the maximum 5% slope/2% cross slope, and overhead clearance of 80". At least one accessible route shall be provided within the play area connecting ground level play components and elevation play components, including entry and exit point of the play components.
- Within the play area safety surfacing allowing wheelchair maneuverability is required between the accessible route from entry to the play areas to at least one connection to each accessible play component, including any clear space requirement adjacent to accessible play components.
- Transfer stations shall be permitted to connect elevated play components where there are fewer than 20 elevated components. Larger number of elevated components requires direct access to 25% of those components. Transfer stations must be at least 24" wide x 14" deep, between 11" and 18" from the surface below, with a minimum 24" x 48" landing along the length of the transfer station and at least 1 means of support for transferring.

Playground companies offer a wide range of play products which are ADA compliant, and which can be combined with additional non-ADA compliant elements. Playground designers can ensure compliance in all elements of a new or modified play system, including the play element, railings, landings, access, and fall zones.

When existing playgrounds are not accessible, some modifications can be made to make these spaces more accessible including:



*Landscape Structure, glider swing*

- Safety surfacing from the access sidewalk to the equipment
- Modified swings – this can range from saucer type swings to swing seats that have back support and a harness
- Addition of ground level activities to be accessed from an accessible surface
- Include some brightly colored or color contrasting equipment to help children with vision problems see the equipment from a distance



Elements not included in the ADA requirements, but which would encourage people with disabilities to use the space include handicap accessible bathrooms close to the playground, seating, paved spaces for wheelchair seating adjacent to standard benches,

### **SAFETY SURFACE OPTIONS**

- Poured in place rubber – This surface requires the least maintenance but is the most expensive option
- Tiles – bonded rubber in 2’x2’ tiles with interlocking sides
- Engineered wood chips – processed wood ground to a fibrous consistency, randomly sized with a maximum length of 2”. This is not the same as wood chips.

### **DEFINITION OF INCLUSIVE PLAYGROUNDS**

Building to ADA code is a requirement for new playground installation. But the ADA code does not generally promote design requirements for people with disabilities other than accessibility related disabilities. For example, the ADA does not regulate to accommodate children with Down syndrome, sensory disorders, intellectual disabilities, or sight and hearing impairments. Inclusive playgrounds allow all children and their caregivers to play with their peers regardless of physical or social or cognitive needs. Playgrounds which are defined as inclusive include both the elements required to meet the Americans with Disabilities Act (ADA) and also to cater to children with social and sensory issues. Creating an inclusive playground does not necessarily mean removing an existing facility and starting from scratch. Many existing playgrounds can be modified and adapted to allow increased accessibility and inclusiveness. Inclusive playground elements should be incorporated into the main playground, not to be in a separate area of the park

### **INCLUSIVE PLAYGROUND COMPONENTS**

- Include a variety of materials and textures available for touch – for example activity boards, sandy spaces for play, water play
- Incorporate music panels or instruments and other sensory play items
- Include elements with sliding, spinning, and swinging components
- Include cozy spaces for a small group of children
- Provide a calm quiet place to escape the busy playground
- Stress relief elements – equipment with kick or punch pads for kids to relieve stress
- Include gathering areas that can accommodate large groups of children
- ground level activities
- wide even spaces
- Facilities that can be used with a friend, such as extra wide slides
- Alter heights of equipment to accommodate different ages and risk levels
- Shade and seating



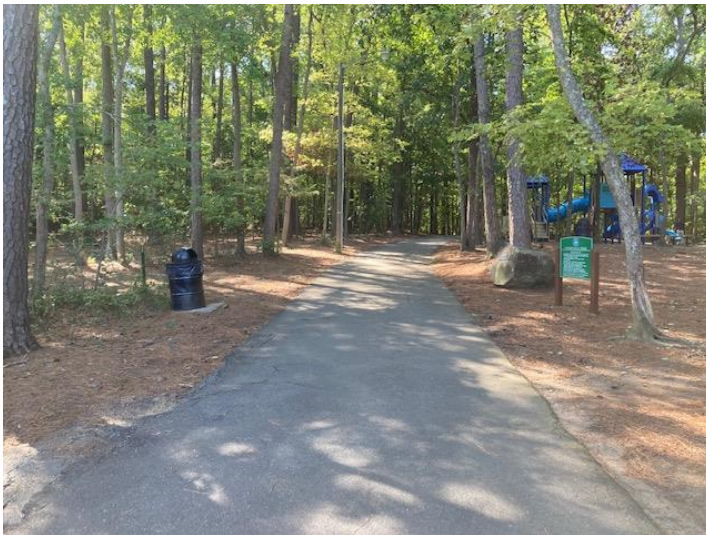
## EXISTING FACILITIES IN CHAPEL HILL

The consultant team examined play structures and space at 6 parks in Chapel Hill. Umstead Park and Southern Community Park are two of the playgrounds which included many accessible elements. They could easily have a few more components added to make them more inclusive. The other parks would need more extensive overhauls to make them accessible, and all the parks really need additional elements to make them more inclusive.

All of these facilities would be appropriate for a combination playground /splash area. Any of these parks could have splash pad features included with reconstruction of a new playground, or with expansion of existing well-functioning playgrounds.

### Cedar Falls Park

Cedar Falls has a recently installed playground which is not inclusive and not completely accessible. There were plans to add an accessible playground adjacent to the existing facility. Though there is a lot of space at this park and the new playground could be located here, the accessible/inclusive playground shouldn't be a separate play space from where all other children can play. The existing playground does have some real benefits – it is shaded and wooded, the surfacing appears ADA compliant, and some of the equipment has transfer stations. This playground could be made more accessible and inclusive with improvements to the access route from the parking lot, expansion of and small adjustments to improve access into the play area, and replacement of bathroom facilities to be fully ADA compliant which should be done anyway to serve the other park facilities. One option would be to expand the playground area and to reconfigure the trail to make it fully ADA compliant. This would allow continued use of the existing playground equipment while incorporating/adding inclusive and accessible features.



*Trail from Cedar Falls parking lot to the playground. Trail could be relocated to the left to make it ADA compliant and to enlarge the playground area for expansion of inclusive equipment.*

Elements required to improve this playground space:

- Clearing, regrading, and relocation of access trail:
- Expansion of playground facilities and surfacing
- Addition of an adaptive swing
- Accessible bathrooms:
- Sanitary sewer service:



## Community Center Park

The playground at the Community Center Park is due for replacement and would be an ideal place for a very inclusive playground. This is a well-used park with good accessibility – it is close to the parking lot, there are some adjacent facilities such as the rose garden and gazebo that extend and expand the play experience, and there is some existing shade from mature trees. There is also a great hill adjacent to the playground which could be the basis for some embankment elements.



*Landscape Structures embankment climber*



*Museum of Life and Science, Durham*

Accessible bathrooms are available depending on hours of Center operation, are located inside the gym/pool building. Staff has noted that the bathroom facilities are insufficient for the number of people using the playground and other park facilities. There are single stall restrooms available for all park users. The additional restroom facilities are located in the pool changeroom area and are not available to the general public. Staff has also noted the parking lot is overfull frequently.

Elements required to improve this playground space:

- Replacement of playground facilities and surfacing
- Additional accessible restroom facility

## Hargraves Park

The playground area at Hargraves would be suitable for an inclusive/accessible park. There is good accessibility from the west within the park which is nicely shaded and already has a picnic shelter. There are bathrooms about 300 feet away from the playground. Some adjustments to the site might be needed to provide compliant accessibility along the walkway that runs between the pool and the playground. Parking is available from two locations close to the playground area, but ADA compliant access is available only from the west. Holmes Childcare currently utilizes the park during specific weekday hours.

There is a mid-age playground which has good surfacing, shade, benches. There is a need for better transfer stations in that playground. The elementary playground area is not accessible. The surfacing is woodchip and gates are not accessible.

Elements required to improve this playground space:

- Replacement of sidewalk to provide ADA compliant access to all playgrounds and shelter
- Expansion of playground facilities

- Addition of adaptive swing
- Surfacing in under 5-year-old playground



*Under 5 y-o play area, Hargraves Park*



*5-12 y-o play area, Hargraves Park*

### **Homestead Park**

Homestead Park would be an ideal place for a new inclusive accessible park. There is an existing playground at the park which is more accessible from the Stateside parking lot than the larger park lot. The playground is at least 15 years old and may be nearing the end of its useful life and when it is replaced it should include accessible and inclusive elements. This playground seems old enough that improvement to fully accessible and inclusive facility should be replacement of the whole playground. The playground is surrounded by trees which allows for some shade and nearby play in the woods. There are also nearby bathrooms and a shelter. There is more parking at this facility than at any other park in Chapel Hill.

Elements required to improve this playground space:

- Replacement of playground equipment and surfacing
- ADA compliant bathroom facilities



*Homestead Park – wooded area adjacent to playground*



## Southern Community Park

This park contains a nicely fenced playground which has many accessible play elements and incorporates a picnic shelter. As well as playground equipment which is in good condition, there are shady and grassy areas for quiet or separate play. Some additional transition zones would help make more of the equipment accessible. The playground is large enough that additional features could be added. With replacement of some swings and additional equipment, this site would be ideal for a fully accessible and inclusive playground.



*Southern Community Park - swings*



There is sufficient parking at this site, and good accessibility from the parking lot. The bathrooms need improvement to meet ADA code and to be useful and fully inclusive. The ramp to the largest piece of equipment is accessible only by leaving the playground and coming back through a different gate – accessibility to each piece of equipment needs to be reworked so all equipment is accessible without going through gates or leaving the playground area.

Elements required to improve this playground space:

- Improvement of access to playground ramps
- Expansion of transfer stations
- Adaptive swing
- Accessible toilet facilities

*Southern Community Park – accessible ramp to play structure*

## Umstead Park



Umstead Park also has a relatively new playground facility, which appears to be ADA compliant. There are appropriate handicap parking spaces, and a paved sidewalk between those spaces and the playground area approximately 250 feet away. The playground has been located outside of the RCD area and is close to existing bathrooms and a picnic shelter. The bathrooms are not ADA compliant.

Elements required to improve this playground space:

- Improvement of access to playstructure ramp
- Addition of adaptive swing
- Accessible toilet facilities

*Umstead Park play structure*

## **DEFICIENCIES AT EXISTING PARKS**

A general shortfall at all the parks visited is the lack of truly accessible bathroom facilities. Many of the facilities are older (built in the 1970's or 1980's) and have tight spaces within which don't allow for turning and which don't have space to allow for an adult to help a disabled child. Nor are there any "family" restrooms to allow older children to be attended by a caregiver of a different gender. Additionally, none of the park bathroom facilities have door openers.

Swings are some of the most popular playground elements, and none of the parks visited have adaptive swing equipment. This equipment can be added, or swings on existing equipment can be replaced with adaptive swings.

Park staff identified parking shortages the Community Center and Umstead parks. Any addition of facilities at these parks should include parking accommodation.

## SECTION 6 – Permitting and Schedules

### **PERMITTING**

Improvements made at any of the parks or housing sites will involve getting permits from the Town and Orange County.

Improvements to the parks which do not include more than 2,500 sf of new building square footage could generally be permitted through a Zoning Compliance Permit. This permit takes between 3 and 6 months depending on the size of the project. The time frame would be at the low end for a pocket park splash pad but would be at the long end for a facility that included a new bathroom or equipment building and storm management facility.

### **SCHEDULES**

#### **Pocket Park Splash Pad**

The time frame for permitting and construction of a pocket park splash pad would be about \_\_ months.

Starting the process, the Town could expect the design of a pocket park to take about a month before it would be sufficiently detailed to apply for permits. A simple park would require the following permits:

- Admin ZCP approval through Town of Chapel Hill – Approximately 3 months
- Erosion Control permit through Orange County – concurrent with ZCP

A flow-through system would not require Health Department permits.

The construction of a small park could be completed in about weeks.

#### **Destination Splash Pad Park**

The time frame for permitting and construction of a destination splash pad park would be about \_\_ months.

Starting the process, the Town could expect the design of a destination park to take about 2 months before it would be sufficiently detailed to apply for permits. A destination park would be more likely to have buildings, increases in impervious surface, additional parking, and stormwater management facility requirements. It would require the following permits:

- ZCP approval through Town of Chapel Hill – Approximately 5-6 months
- Erosion Control permit through Orange County – approximately 2 months concurrent with ZCP
- Health Department Approvals – State level – approximately 1 month concurrent with ZCP

The construction of a destination park could be completed in about \_\_\_\_ weeks.

## SECTION 7 – Cost Estimates

### **SPLASH PAD – DESTINATION PARK**

Assumes the inclusion of these elements:

- Splash pad surface and features
- Small building for equipment
- Service connection for water (assumes nearby main or water source)
- Recirculation system
- Drainage to sanitary sewer or a leach field
- Construction of accessible sidewalks
- Possibly includes construction of a new restroom/change facility
- Possibly includes construction of additional parking
- Possibly includes construction of a stormwater mitigation facility



*Sample small  
destination  
splash park*



*Sample large  
destination  
splash park*



Cost for a large destination splash pad would be in the \$ 2,020,000 - \$ 2,220,000 range.

Splash facility including equipment building,	
Surfacing, 24+ spray features:	1,000,000-1,200,000
Restroom/change facility:	600,000
Parking Expansion:	200,000
Pedestrian access improvements:	15,000
Shade and seating:	105,000
Bioretention/Storm mitigation:	100,000

Cost for a medium destination splash pad would be in the \$ 1,670,000 - \$ 1,770,000 range.

Splash facility including equipment building,	
Surfacing, 16-24 spray features:	650,000-750,000
Restroom/change facility:	600,000
Parking Expansion:	200,000
Pedestrian access improvements:	15,000
Shade and seating:	105,000
Bioretention/Storm mitigation:	100,000

### SPLASH PAD – POCKET PARK

Assumes the inclusion of these elements:

- Splash pad surface and features
- Small shelter for equipment
- Service connection for water (assumes nearby main or water source)
- Drainage to sanitary sewer or a leach field
- Pedestrian access
- Possibly includes construction of a stormwater mitigation facility



*Pocket Splash Pad example*

Cost for a pocket park size splash pad would be in the \$ 430,000 - \$ 530,000 range.

Splash pad with 5-10 spray features:	170,000-250-000
Dedicated water / sewer taps:	165,000 – 185,000
Pedestrian access improvements:	15,000
Bioretention/Storm mitigation:	80,000

### **ACCESSIBLE INCLUSIVE PLAYGROUND – NEW CONSTRUCTION**

Assumes the inclusion of these elements:

- Playground equipment equivalent to the size of the playground at Southern Community Park
  - o Approx. 15,000 sf
  - o Approx 30-40 play elements
- Safety surfacing
- Benches and picnic tables
- Tree and shrub installation
- A tent style shade structure
- Accessible sidewalks
- Possibly includes construction of additional parking
- Possibly includes construction of improved bathroom facilities
- Possibly includes construction of a stormwater mitigation facility

Cost for a new inclusive playground would be in the \$ 1,040,000 - \$ 1,165,000 range.

New playground and surfacing, and miscellaneous site work (grading, plantings, etc.):	325,000-450-000
Restroom/change facility:	600,000
Pedestrian access improvements:	15,000
Bioretention/Storm mitigation:	100,000

### **ACCESSIBLE INCLUSIVE PLAYGROUND – EXISTING FACILITY EXPANSION/ADAPTATION**

Assumes the inclusion of these elements:

- Additional Playground equipment and associated safety surfacing
- Benches
- Tree and shrub installation
- Accessible sidewalks

Cost for an inclusive accessible playground adaptation would be in the \$ 50,000 + range.

New playground equipment:	35,000
Pedestrian access improvements:	15,000

## APPENDIX A – Water Attraction Specification

### SECTION .2500 - PUBLIC SWIMMING POOLS

#### 15A NCAC 18A .2543 WATER RECREATION ATTRACTIONS

(a) Upon written request and approval by the Department, water recreation attractions including water slides, wave pools, rapid rides, lazy rivers, artificial swimming lagoons, and other similar features may deviate from the requirements of this Section with respect to pool profile, depth, freeboard, flow dynamics and surface skimming systems. The Department shall approve the request upon a showing that such deviation performs in a manner equally to or more protective of public health than the requirements of this Section based upon design plans and technical specifications by the designing engineer or equipment manufacturer. Water recreation attractions shall meet all other requirements of this Section.

(b) Water slide landing pools with a capacity of less than 60,000 gallons shall have a circulation and filtration system capable of turning over the entire pool capacity every two hours. Where automatic chemical controllers are used the turnover time shall be no more than three hours. Landing pool dimensions shall be consistent with the slide manufacturer's recommendation.

(c) When waterfalls are incorporated in water recreation attractions, they shall be constructed with no handholds or footholds to a height of four feet to discourage climbing.

(d) Interactive play attractions shall be constructed and operated in accordance with the rules of this Section and shall comply with the following:

- (1) The recirculation system shall contain a water capacity equal to at least three minutes of maximum flow of all feature pumps and filter circulation pumps combined and shall not be less than 1,000 gallons. Where the water capacity exceeds 10,000 gallons, the minimum capacity shall be based on the lesser of three minutes of maximum feature flow or 7.5 gallons per square foot of splash zone watershed drained to the surge container.
- (2) Access shall be provided to the surge water container.
- (3) A filter circulation system shall be provided and shall be separate from the feature pump system except that both systems can draw water from a common drainpipe if the drain and pipe are sized to handle the flow of all pumps without exceeding the flow velocities specified in Rule .2518 of this Section.
- (4) The filter circulation system shall draw water from the surge container through a variable height surface skimmer and a bottom drain located no more than 6 inches from the bottom of the container.
- (5) The filter circulation system shall filter and return the entire water capacity in no more than 30 minutes and shall operate 24 hours a day.
- (6) Automatic chemical controllers shall be provided to monitor and adjust the disinfectant residual and pH of the water contained in the system.
- (7) The disinfectant residual in interactive play attractions shall be maintained at a level of at least two parts per million of free chlorine. Chlorine feeders shall be capable of producing 12 parts per million of free chlorine in the filter circulation piping.
- (8) Valves shall be provided to control water flow to the features in accordance with the manufacturers' specifications.
- (9) Splash zones shall be sloped to drains sized and located to remove all feature water to the surge tank without water accumulating on the surface.
- (10) Deck or walkway space is not required outside the splash zone.
- (11) Dressing and sanitary facilities shall not be required.
- (12) Interactive play features shall not be required to have a fence except the wading pool fence requirements shall apply to interactive play features located inside a swimming pool enclosure.

- (13) The safety provisions of Rule .2530 of this Section shall not apply except a sign shall be posted prohibiting pets and glass containers.
- (14) Interactive play attractions built prior to April 1, 2004, that do not comply with this design and construction requirements shall be permitted to operate as built if no water quality or safety violations occur under Rules .2535 and .2537 of this Section.

(e) Training pools shall meet the requirements for swimming pools with the following exceptions:

(1) Training pools shall be equipped with a filter circulation system that filters and returns the entire pool capacity in no more than two hours.

(2) The free chlorine residual in training pools shall be maintained at no less than two parts per million. (f) Artificial swimming lagoons shall meet the requirements for public swimming pools except as specified in this Rule:

- (1) Pool shells shall not be required. Liners shall meet the requirements of Rule .2514 of this Section.
- (2) Underwater components of the artificial swimming lagoon or float lines with openings greater than one-half inch shall not be allowed in swimming zones.
- (3) All swimming zone float rope components shall be a color contrasting with the pool liner. Artificial swimming lagoons are not required to meet the float rope location requirements of Rule .2523(e) of this Section regarding breakpoint and slope. A contrasting color band shall not be required on the liner under the rope.
- (4) Each swimming zone and water feature shall meet water quality standards as required in Rule .2535 of this Section. If the water quality of a swimming zone or water feature does not meet the requirements of Rule .2535 of this Section, the operator shall close the swimming zone or water feature and post a sign at the entrance of the swimming zone with legible letters of at least four inches (10 cm) in height stating "ATTENTION: THE SWIMMING ZONE IS CLOSED. SWIMMING IN THIS AREA IS NOT PERMITTED AT THIS TIME." The swimming zone or water feature shall remain closed until the water quality in the swimming zone or water feature complies with the requirements of Rule .2535 of this Section.
- (5) All non-swimming zones shall be maintained so the bottom of the lagoon is visible in all areas.
- (6) A sign shall be posted at all entrances to the artificial swimming lagoon with legible letters of at least four inches (10 cm) in height stating "NOTICE – NO SWIMMING ALLOWED OUTSIDE OF DESIGNATED SWIMMING ZONES."
- (7) Signage shall be posted indicating swimming zones.
- (8) Depth markings and no diving markers shall be provided on decks in swimming zones as required in Rule .2523 of this Section. Signs shall be posted at all entrances to swimming zones with legible letters of at least four inches (10cm) in height stating, "NO DIVING" and stating the maximum depth of the swimming zone in Arabic numerals and shall include the word "feet" or the symbol "ft" to indicate the unit of measure.
- (9) Decks at zero entry areas located within swimming zones are not required to meet the minimum deck area requirements in Rule .2522 of this Section. Access to swimming zones shall be provided for emergency vehicles and personnel. No decks shall be required in non-swimming zones. The requirements of Rule .2515(g)(1) of this Section shall not apply to swimming zones and Rule .2515(g) of this Section shall not apply to non-swimming zones.
- (10) Swimming zones shall meet all safety provisions as set out in Rule .2530 of this Section. Where swimming zones are separated by more than 75 feet, each swimming zone shall separately meet all safety provisions. Non-swimming zones are exempt from the requirements in Rule .2530 of this Section.
- (11) A water treatment system that does not meet the requirements of Rules .2518 and .2519 of this Section shall be approved by the Environmental Health Section of the Department's Division of Public Health when the treatment system performs in a manner equal or superior to the systems described in Rules .2518 and .2519 of this Section in terms of water clarification, disinfection, and removal of debris, and results in a disinfectant residual and pH level as required in Subparagraph (f)(4) of this Rule.
- (12) The requirements of Rule .2529 of this Section and Rule .2526(e)–(h) of this Section shall not apply. Sanitary facility requirements shall comply with the 2018 North Carolina State Building Code: Plumbing

Code, which is incorporated by reference, including any subsequent amendments or editions and available free of charge at: <https://codes.iccsafe.org/content/NCPC2018>.

- (13) Bacteriological samples shall be collected by the operator in non-swimming zones and tested weekly. One sample shall be collected for every 250 feet of shoreline, with no more than 300 feet and no less than 25 feet between any two sampling locations. The samples shall be collected at least one foot below the surface, in at least three feet of water. The samples shall be analyzed by a laboratory accredited by the North Carolina Drinking Water Laboratory Certification Program, the North Carolina Wastewater/Groundwater Laboratory Certification Program, or the National Environmental Laboratory Accreditation Program. The test results shall be maintained as part of the records required in Rule .2535(11) of this Section.
- (14) When the result of any test required by Subparagraph (f)(13) of this Rule exceeds the standards in Rule .3402(a) of this Subchapter, the operator shall:
  - (A) notify the local health department that permitted the artificial swimming lagoon and resample the water within 24 hours of receipt of the result from the laboratory; and
  - (B) close all non-swimming zones and post a sign at all non-swimming zone entrances with legible letters of at least four inches (10 cm) in height stating "ATTENTION: ALL NON- SWIMMING ZONES ARE CLOSED. RECREATIONAL ACTIVITIES IN THIS AREA ARE NOT PERMITTED AT THIS TIME." This sign shall remain posted until resampling determines that bacterial levels do not exceed the standards in Rule .3402(a) of this Subchapter.
- (15) Non-swimming zones shall not be required to comply with the lighting requirements of Rule .2524 of this Section. When night swimming is allowed, the operator shall provide lighting in swimming zones as required for public swimming pools.
- (16) The requirements of Rule .2537(b)(16) of this Section shall not apply. Submersible pumps or mechanical pool cleaning equipment shall not be used in swimming zones or within 25 feet of swimming zones when a swimming zone is open to bathers. If submersible pumps or mechanical pool cleaning equipment are used in non-swimming zones when a non-swimming zone is open to users, the following conditions shall apply:

(17)

#### History Note:

- (A) A registered design professional shall provide design plans or technical specifications that demonstrate that any underwater suction outlets perform in a manner that is equally protective or more protective than the Pool and Hot Tub Alliance's ANSI/APSP/ICC-7 2013 Standard for Suction Entrapment Avoidance in Swimming Pools, which is incorporated by reference, including any subsequent amendments or editions, and available for a fee of one hundred sixty-five dollars (\$165.00) at <https://www.apsp.org/store1>; and
- (B) All floating components of submersible pumps or mechanical pool cleaning equipment shall be labeled with a sign above the water line with legible letters of at least four inches (10 cm) in a contrasting color stating: "DANGER: MECHANICAL EQUIPMENT IN USE. STAY BACK 25 FEET."

The requirements of Rules .2521 and .2516(f)(1) of this Section shall not apply to non-swimming zones.

Authority G.S. 130A-280; 130A-282; S.L. 2011-39; S.L. 2019-88.

Eff. April 1, 1999.

Amended Eff. March 1, 2004.

Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. July 20, 2019.

Temporary Amendment Eff. December 3, 2019; Amended Eff. October 1, 2020.

#### 15A NCAC 18A .2544 SPECIAL PURPOSE AND THERAPY POOLS

(a) Special purpose and therapy pools shall comply with the requirements for public swimming pools and spas except as specified in this Rule.

(b) Float tanks:

- (1) The requirement in Rule .2522 of this Section for a deck or walkway continuous with the top of the pool wall does not apply to isolation float tanks where a clear floor space of at least eight feet by four feet is provided adjacent to the entrance to the tank.
- (2) The requirement in Rule .2532 of this Section for the minimum ceiling height of 7 1/2 feet above the rim of the pool does not preclude use of a canopy of a lower height to enclose an isolation float tank provided the canopy can be opened to allow users a standing entry and exit from the float tank.
- (3) The minimum lighting requirement in Rule .2524 of this Section does not apply to float tanks provided lighting is available for cleaning and is sufficient to provide visibility for entry and exit from the float tank.
- (4) The requirements in Rule .2518 of this Section that recirculation pumps operate 24 hours per day do not preclude turning off the pump during float sessions when a sanitizing cycle is provided that filters and disinfects the entire capacity of the float tank system at least twice before every user

enters the pool. When the float tank is not being used, the pump shall either operate continuously or

intermittently to filter and disinfect the capacity of the pool twice every hour.

- (5) The requirement in Rule .2518 of this Section that pool pumps three horsepower or smaller meet NSF/ANSI Standard 50 is not applicable when the mineral content of the brine in a float tank is incompatible with standard pool pumps. Pumps that do not meet NSF/ANSI standard 50 shall be approved by the Department when the viscosity of the mineral solution in the float tank requires a pump impeller or magnetic coupling designed to pump viscous liquids. Electrical safety of such pumps shall be verified by an independent third-party testing lab to meet applicable Underwriters Laboratories (UL) Standards.
- (6) The requirement in Rule .2532 of this Section for a caution sign at spas with a water temperature above 90 degrees Fahrenheit is not applicable to float tanks that do not exceed an operating temperature of 95 degrees Fahrenheit. Float tanks that exceed an operating temperature of 95 degrees Fahrenheit shall have a posted sign with the same warnings required for hot spas except references to spas may be reworded to reference float tanks or float spas.

#### 15A NCAC 18A .2543 WATER RECREATION ATTRACTIONS

(a) Upon written request and approval by the Department, water recreation attractions including water slides, wave pools, rapid rides, lazy rivers, artificial swimming lagoons, and other similar features may deviate from the requirements of this Section with respect to pool profile, depth, freeboard, flow dynamics and surface skimming systems. The Department shall approve the request upon a showing that such deviation performs in a manner equally to or more protective of public health than the requirements of this Section based upon design plans and technical specifications by the designing engineer or equipment manufacturer. Water recreation attractions shall meet all other requirements of this Section.

(b) Water slide landing pools with a capacity of less than 60,000 gallons shall have a circulation and filtration system capable of turning over the entire pool capacity every two hours. Where automatic chemical controllers are used the turnover time shall be no more than three hours. Landing pool dimensions shall be consistent with the slide manufacturer's recommendation.

(c) When waterfalls are incorporated in water recreation attractions, they shall be constructed with no handholds or footholds to a height of four feet to discourage climbing.



(d) Interactive play attractions shall be constructed and operated in accordance with the rules of this Section and shall comply with the following:

- (1) The recirculation system shall contain a water capacity equal to at least three minutes of maximum flow of all feature pumps and filter circulation pumps combined and shall not be less than 1,000 gallons. Where the water capacity exceeds 10,000 gallons, the minimum capacity shall be based on the lesser of three minutes of maximum feature flow or 7.5 gallons per square foot of splash zone watershed drained to the surge container.
- (2) Access shall be provided to the surge water container.
- (3) A filter circulation system shall be provided and shall be separate from the feature pump system except that both systems can draw water from a common drainpipe if the drain and pipe are sized to handle the flow of all pumps without exceeding the flow velocities specified in Rule .2518 of this Section.
- (4) The filter circulation system shall draw water from the surge container through a variable height surface skimmer and a bottom drain located no more than 6 inches from the bottom of the container.
- (5) The filter circulation system shall filter and return the entire water capacity in no more than 30 minutes and shall operate 24 hours a day.
- (6) Automatic chemical controllers shall be provided to monitor and adjust the disinfectant residual and pH of the water contained in the system.
- (7) The disinfectant residual in interactive play attractions shall be maintained at a level of at least two parts per million of free chlorine. Chlorine feeders shall be capable of producing 12 parts per million of free chlorine in the filter circulation piping.
- (8) Valves shall be provided to control water flow to the features in accordance with the manufacturers' specifications.
- (9) Splash zones shall be sloped to drains sized and located to remove all feature water to the surge tank without water accumulating on the surface.
- (10) Deck or walkway space is not required outside the splash zone.
- (11) Dressing and sanitary facilities shall not be required.
- (12) Interactive play features shall not be required to have a fence except the wading pool fence requirements shall apply to interactive play features located inside a swimming pool enclosure.
- (13) The safety provisions of Rule .2530 of this Section shall not apply except a sign shall be posted prohibiting pets and glass containers.
- (14) Interactive play attractions built prior to April 1, 2004, that do not comply with this design and construction requirements shall be permitted to operate as built if no water quality or safety violations occur under Rules .2535 and .2537 of this Section.

(e) Training pools shall meet the requirements for swimming pools with the following exceptions:

(1) Training pools shall be equipped with a filter circulation system that filters and returns the entire pool capacity in no more than two hours.

(2) The free chlorine residual in training pools shall be maintained at no less than two parts per million. (f) Artificial swimming lagoons shall meet the requirements for public swimming pools except as specified in this Rule:

- (1) Pool shells shall not be required. Liners shall meet the requirements of Rule .2514 of this Section.
- (2) Underwater components of the artificial swimming lagoon or float lines with openings greater than one-half inch shall not be allowed in swimming zones.
- (3) All swimming zone float rope components shall be a color contrasting with the pool liner. Artificial swimming lagoons are not required to meet the float rope location requirements of Rule .2523(e) of this Section regarding breakpoint and slope. A contrasting color band shall not be required on the liner under the rope.
- (4) Each swimming zone and water feature shall meet water quality standards as required in Rule .2535 of this Section. If the water quality of a swimming zone or water feature does not meet the requirements of Rule .2535 of this Section, the operator shall close the swimming zone or water feature and post a sign at the entrance of the swimming zone with legible letters of at least four inches (10 cm) in height stating

"ATTENTION: THE SWIMMING ZONE IS CLOSED. SWIMMING IN THIS AREA IS NOT PERMITTED AT THIS TIME." The swimming zone or water feature shall remain closed until the water quality in the swimming zone or water feature complies with the requirements of Rule .2535 of this Section.

- (5) All non-swimming zones shall be maintained so the bottom of the lagoon is visible in all areas.
- (6) A sign shall be posted at all entrances to the artificial swimming lagoon with legible letters of at least four inches (10 cm) in height stating "NOTICE – NO SWIMMING ALLOWED OUTSIDE OF DESIGNATED SWIMMING ZONES."
- (7) Signage shall be posted indicating swimming zones.
- (8) Depth markings and no diving markers shall be provided on decks in swimming zones as required in Rule .2523 of this Section. Signs shall be posted at all entrances to swimming zones with legible letters of at least four inches (10cm) in height stating, "NO DIVING" and stating the maximum depth of the swimming zone in Arabic numerals and shall include the word "feet" or the symbol "ft" to indicate the unit of measure.
- (9) Decks at zero entry areas located within swimming zones are not required to meet the minimum deck area requirements in Rule .2522 of this Section. Access to swimming zones shall be provided for emergency vehicles and personnel. No decks shall be required in non-swimming zones. The requirements of Rule .2515(g)(1) of this Section shall not apply to swimming zones and Rule .2515(g) of this Section shall not apply to non-swimming zones.
- (10) Swimming zones shall meet all safety provisions as set out in Rule .2530 of this Section. Where swimming zones are separated by more than 75 feet, each swimming zone shall separately meet all safety provisions. Non-swimming zones are exempt from the requirements in Rule .2530 of this Section.
- (11) A water treatment system that does not meet the requirements of Rules .2518 and .2519 of this Section shall be approved by the Environmental Health Section of the Department's Division of Public Health when the treatment system performs in a manner equal or superior to the systems described in Rules .2518 and .2519 of this Section in terms of water clarification, disinfection, and removal of debris, and results in a disinfectant residual and pH level as required in Subparagraph (f)(4) of this Rule.
- (12) The requirements of Rule .2529 of this Section and Rule .2526(e)–(h) of this Section shall not apply. Sanitary facility requirements shall comply with the 2018 North Carolina State Building Code: Plumbing Code, which is incorporated by reference, including any subsequent amendments or editions and available free of charge at: <https://codes.iccsafe.org/content/NCPC2018>.
- (13) Bacteriological samples shall be collected by the operator in non-swimming zones and tested weekly. One sample shall be collected for every 250 feet of shoreline, with no more than 300 feet and no less than 25 feet between any two sampling locations. The samples shall be collected at least one foot below the surface, in at least three feet of water. The samples shall be analyzed by a laboratory accredited by the North Carolina Drinking Water Laboratory Certification Program, the North Carolina Wastewater/Groundwater Laboratory Certification Program, or the National Environmental Laboratory Accreditation Program. The test results shall be maintained as part of the records required in Rule .2535(11) of this Section.
- (14) When the result of any test required by Subparagraph (f)(13) of this Rule exceeds the standards in Rule .3402(a) of this Subchapter, the operator shall:
  - (A) notify the local health department that permitted the artificial swimming lagoon and resample the water within 24 hours of receipt of the result from the laboratory; and
  - (B) close all non-swimming zones and post a sign at all non-swimming zone entrances with legible letters of at least four inches (10 cm) in height stating "ATTENTION: ALL NON- SWIMMING ZONES ARE CLOSED. RECREATIONAL ACTIVITIES IN THIS AREA ARE NOT PERMITTED AT THIS TIME." This sign shall remain posted until resampling determines that bacterial levels do not exceed the standards in Rule .3402(a) of this Subchapter.
- (15) Non-swimming zones shall not be required to comply with the lighting requirements of Rule .2524 of this Section. When night swimming is allowed, the operator shall provide lighting in swimming zones as required for public swimming pools.
- (16) The requirements of Rule .2537(b)(16) of this Section shall not apply. Submersible pumps or mechanical pool cleaning equipment shall not be used in swimming zones or within 25 feet of swimming zones when a swimming zone is open to bathers. If submersible pumps or mechanical pool cleaning

equipment are used in non-swimming zones when a non-swimming zone is open to users, the following conditions shall apply:

(17)

History Note:

- (A) A registered design professional shall provide design plans or technical specifications that demonstrate that any underwater suction outlets perform in a manner that is equally protective or more protective than the Pool and Hot Tub Alliance's ANSI/APSP/ICC-7 2013 Standard for Suction Entrapment Avoidance in Swimming Pools, which is incorporated by reference, including any subsequent amendments or editions, and available for a fee of one hundred sixty-five dollars (\$165.00) at <https://www.apsp.org/store1>; and
- (B) All floating components of submersible pumps or mechanical pool cleaning equipment shall be labeled with a sign above the water line with legible letters of at least four inches (10 cm) in a contrasting color stating: "DANGER: MECHANICAL EQUIPMENT IN USE. STAY BACK 25 FEET."

The requirements of Rules .2521 and .2516(f)(1) of this Section shall not apply to non-swimming zones.

Authority G.S. 130A-280; 130A-282; S.L. 2011-39; S.L. 2019-88.

Eff. April 1, 1999.

Amended Eff. March 1, 2004.

Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. July 20, 2019.

Temporary Amendment Eff. December 3, 2019; Amended Eff. October 1, 2020.

#### 15A NCAC 18A .2544 SPECIAL PURPOSE AND THERAPY POOLS

(a) Special purpose and therapy pools shall comply with the requirements for public swimming pools and spas except as specified in this Rule.

(b) Float tanks:

- (1) The requirement in Rule .2522 of this Section for a deck or walkway continuous with the top of the pool wall does not apply to isolation float tanks where a clear floor space of at least eight feet by four feet is provided adjacent to the entrance to the tank.
- (2) The requirement in Rule .2532 of this Section for the minimum ceiling height of 7 1/2 feet above the rim of the pool does not preclude use of a canopy of a lower height to enclose an isolation float tank provided the canopy can be opened to allow users a standing entry and exit from the float tank.
- (3) The minimum lighting requirement in Rule .2524 of this Section does not apply to float tanks provided lighting is available for cleaning and is sufficient to provide visibility for entry and exit from the float tank.
- (4) The requirements in Rule .2518 of this Section that recirculation pumps operate 24 hours per day do not preclude turning off the pump during float sessions when a sanitizing cycle is provided that filters and disinfects the entire capacity of the float tank system at least twice before every user

enters the pool. When the float tank is not being used, the pump shall either operate continuously or

intermittently to filter and disinfect the capacity of the pool twice every hour.

- (5) The requirement in Rule .2518 of this Section that pool pumps three horsepower or smaller meet NSF/ANSI Standard 50 is not applicable when the mineral content of the brine in a float tank is

incompatible with standard pool pumps. Pumps that do not meet NSF/ANSI standard 50 shall be approved by the Department when the viscosity of the mineral solution in the float tank requires a pump impeller or magnetic coupling designed to pump viscous liquids. Electrical safety of such pumps shall be verified by an independent third-party testing lab to meet applicable Underwriters Laboratories (UL) Standards.

- (6) The requirement in Rule .2532 of this Section for a caution sign at spas with a water temperature above 90 degrees Fahrenheit is not applicable to float tanks that do not exceed an operating temperature of 95 degrees Fahrenheit. Float tanks that exceed an operating temperature of 95 degrees Fahrenheit shall have a posted sign with the same warnings required for hot spas except references to spas may be reworded to reference float tanks or float spas.

## [References / Bibliography](#)

Americans with Disabilities Act 2010



**MEMORANDUM**

TO: Mayor and Town Council

FROM: Parks, Greenways, and Recreation Commission

SUBJECT: Splashpad and Inclusive Playground Feasibility Study

DATE: September 26, 2022

On September 26, 2022, the Parks, Greenways, and Recreation Commission voted unanimously in support of four motions regarding the Splashpad and Inclusive Playground Feasibility Study being presented to council in October 2022 resulting from a [2021 petition from community members](#). The four motions are:

1. The Commission gives its full support to both an inclusive playground and a splashpad in our community and will continue to place both projects on the Commission's list of priorities.
2. The Commission is open to separating the inclusive playground and splashpad into two separate projects. Additionally, the Commission desires to see more inclusive play options throughout the park system which may include retrofitting existing play structures. We are open to the option of adding more inclusive features to various playgrounds throughout the park system instead of building a separate inclusive playground if that option is more feasible.
3. The Commission is supportive of utilizing recirculating treated water systems to fulfill the Town's environmental goals and to control long-term costs associated with the project.
4. That although the Commission has not resolved the matter of *where* a splashpad might be built, the Commission urges the Town to use criteria that elevates historically marginalized communities in an effort to address a history of underinvestment in certain areas of our town. This also includes taking into account the accessibility of such facilities to community members who will travel on foot or using public transportation.

The Commission also wants to make the Council aware of a lengthy discussion regarding the type and number of splashpad facilities to be built. The Commission highlighted that the Town should not pursue a strategy that builds several pocket splashpad facilities that are so small that they are unable to adequately serve the community nor does the Commission advocate for building one facility that is as large as possible. Instead, the Commission's discussion centered around building more than one facility such that they are accessible to households throughout our community, facilities that are becoming of our community, and are amenities that Chapel Hill can be proud of.

The Commission expressed its support for the work completed thus far in the Splashpad and Inclusive Playground Feasibility Study. The Commission looks forward to the public/community input phase of the study and wishes for one or more projects to be fully funded and moved forward quickly.

Thank you for your consideration,

Tyler Steelman, Chair  
Parks, Greenways, and Recreation Commission

**Members Present:** Tyler Steelman (Chair), Leah Boucher (Vice Chair), Alice Armstrong (Orange County Representative), Shane Brogan, Hallie Cherry, Renuka Soll, Marcella Trumbower, and Chris Worrell.



# TOWN OF CHAPEL HILL

Town Hall  
405 Martin Luther King Jr.  
Boulevard  
Chapel Hill, NC 27514

## Item Overview

Item #: 2., File #: [22-0730], Version: 1

Meeting Date: 10/3/2022

### American Rescue Plan Act (ARPA) Town Department Project Update.

#### Staff:

Amy Oland, Director  
Sarah Poulton, Senior Project Manager

#### Department:

Business Management  
Town Managers Office

**Overview:** Staff will present an update on American Rescue Plan Act (ARPA) projects from Town departments for the remaining \$2,850,000 of funding available. Staff will also present three scenarios for Community Partner funding.



#### Recommendation(s):

That the Council review the proposed projects, ask questions about projects or categories of interest, and provide guidance on priorities and preferred projects for Town departments, in anticipation of final approval later in the fall.

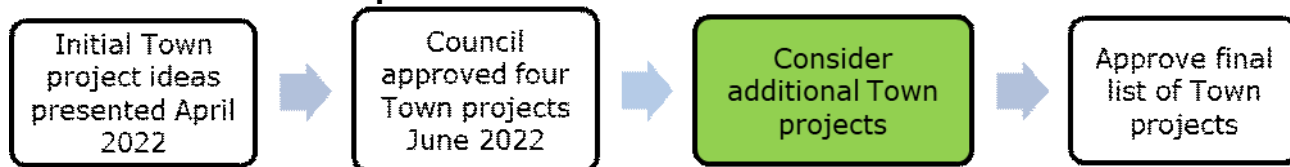
#### Key Issues:

- Staff last presented to Council on Town department projects for ARPA funding at the [June 8 business meeting <https://chapelhill.legistar.com/MeetingDetail.aspx?ID=907494&GUID=A68E0706-5CE7-4F18-A566-78FE0CDE1ED9&Options=info|&Search=%3e>](https://chapelhill.legistar.com/MeetingDetail.aspx?ID=907494&GUID=A68E0706-5CE7-4F18-A566-78FE0CDE1ED9&Options=info|&Search=%3e)  
[link: <https://chapelhill.legistar.com/MeetingDetail.aspx?ID=907494&GUID=A68E0706-5CE7-4F18->
- [Town staff will](#)
- Town staff will provide an update on the four approved projects from the June 8 meeting including the Cedar Falls turf replacement, E. Morgan Creek Trail Design, Homestead Aquatic Center HVAC replacement, and the Library meeting room AV equipment.
- Town staff will provide more information on projects that were of interest to Council at their June 8 business meeting including Parks and Recreation facility improvements or initiations and a request from the Chapel Hill Downtown Partnership to fund a Clean Team.
- Staff will provide three possible scenarios for Community Partner funding based on feedback received at the [September 19 work session](#)  
<<https://chapelhill.legistar.com/DepartmentDetail.aspx?ID=35834&GUID=197ED6B7-3603-4161->  
: [link: <https://chapelhill.legistar.com/DepartmentDetail.aspx?ID=35834&GUID=197ED6B7-3603-4161->  
]
  - Highest scoring projects;
  - Highest scoring projects that are most specific to the pandemic; and
  - Highest scoring projects that are specific to the pandemic and are fiscally sustainable after ARPA funds are fully dispersed.

**Fiscal Impact/Resources:** ARPA Funding for Town department projects is allocated as follows:

Category	Total Available	Amount Allocated	Amount Remaining
Parks and Recreation facilities	\$ 2,500,000	\$ 1,150,000	\$ 1,350,000
Bike, ped, and greenway infrastructure	1,000,000	500,000	500,000
Town facilities	1,200,000	1,200,000	0
Downtown revitalization	1,000,000	0	1,000,000
Digital access	300,000	300,000	0
Total	\$ 6,000,000	\$ 3,150,000	\$ 2,850,000

**Where is this item in its process?**



**Attachments:**

- Draft Staff Presentation
- Chapel Hill Downtown Partnership application for funding Clean & Green Team
- ARPA Community Partner Projects - Followup Data
- ARPA Community Partner Projects - Scenarios

**The Agenda will reflect the text below and/or the motion text will be used during the meeting.**

PRESENTERS: Amy Oland, Business Management Department Director  
Sarah Poulton, Senior Project Manager

The purpose of this item is to provide an update on American Rescue Plan Act (ARPA) projects from Town departments. Staff will also present three scenarios for Community Partner funding.

# AMERICAN RESCUE PLAN

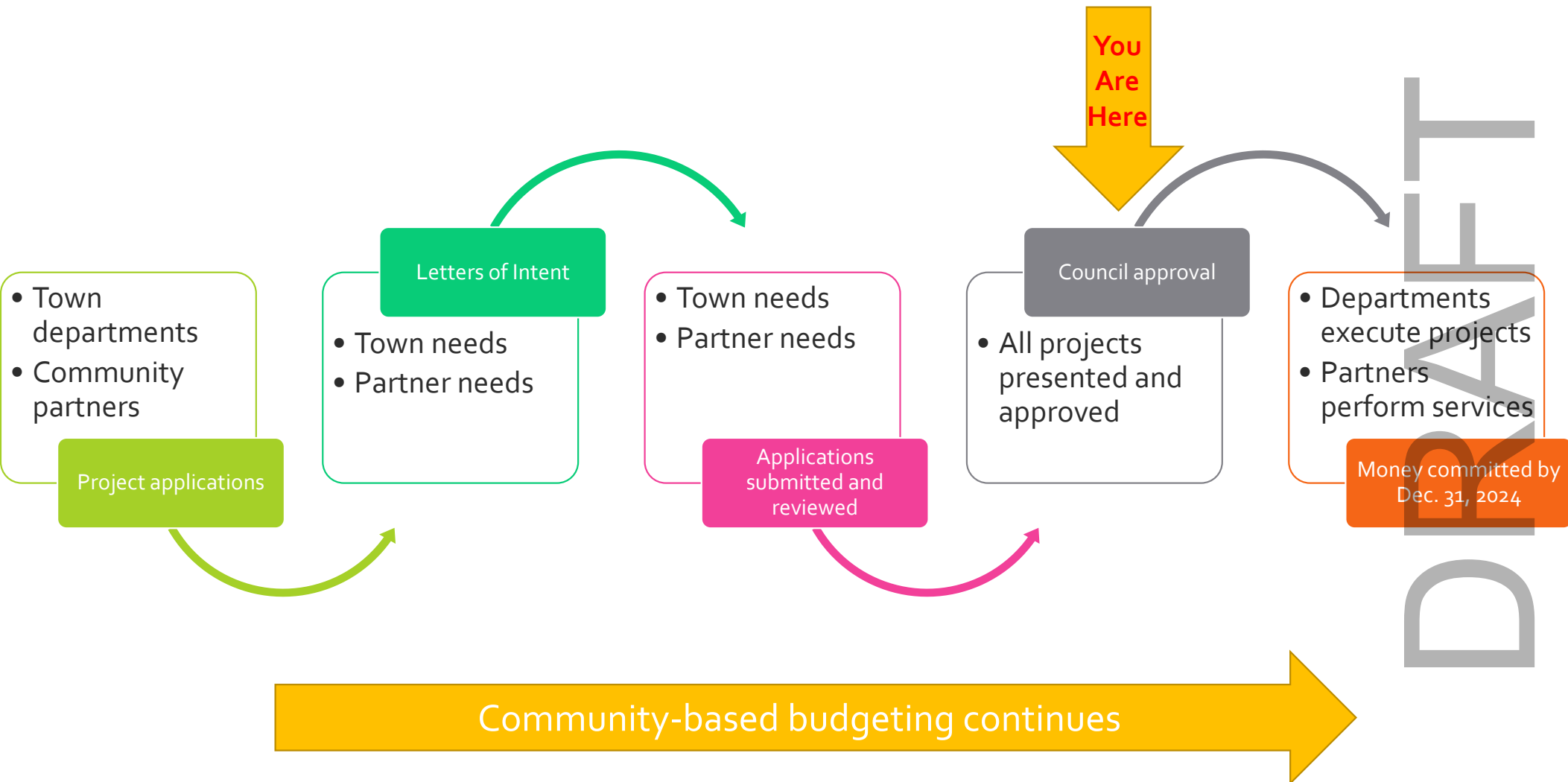
Council Work Session – October 3, 2022

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# Agenda

- Review funding allocation plan
- Update on what has been spent
- New information on Department projects requested in June
- Questions to consider:
  - What Town projects do you want to move forward?
  - Are the Community Partner funding scenarios on the right track?
  - Do you want to reallocate ARPA funds for Complete Communities?





## Funding Breakdown

▪ Community partner funding	\$1,000,000	\$10.7M
▪ Affordable housing and homelessness initiatives	\$2,500,000	
▪ Parks and recreation facilities	\$2,500,000	
▪ Bike, ped and greenway infrastructure	\$1,000,000	
▪ Town facilities	\$1,200,000	
▪ Downtown revitalization	\$1,000,000	
▪ Digital access	\$300,000	
▪ Community based projects	\$500,000	
▪ ReVive program	\$650,000	

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Category	Allocated	Approved	Remaining
Parks and Recreation facilities	\$2,500,000	\$1,150,000	\$1,350,000
Bike, ped, and greenway infrastructure	1,000,000	500,000	500,000
Town facilities	1,200,000	1,200,000	0
Downtown revitalization	1,000,000	0	1,000,000
Digital access	300,000	300,000	0
<b>Total</b>	<b>\$6,000,000</b>	<b>\$3,150,000</b>	<b>\$2,850,000</b>

## REMAINING TOWN PROJECT FUNDING

Project	Amount	Status
ReVive Business Impact	\$650,000	Implementation of recovery initiatives
Cedar Falls Artificial Turf Replacement	\$1,150,000	Contract in place, work anticipated between November and March
East Morgan Creek Trail Design	\$500,000	Seeking completion of the design from original design firm
Homestead Aquatic Center HVAC Replacement	\$1,200,000	Contractor selection
Library AV System	\$300,000	Contract in progress, anticipated launch in spring
Total	\$3,800,000	

APPROVED  
PROJECTS  
UNDERWAY

## Who has been helped



ReVive: Small  
businesses and  
Downtown



Cedar Falls: Athletic  
groups



Morgan Creek Trail:  
Trail users, southern  
side of town



Homestead: Pool users



Library AV: Any group  
needing meeting space  
in the Library

THREE  
BRAND



## Parks & Recreation

✓	▪ Cedar Falls artificial turf	\$1,150,000
	▪ Adaptive playground	\$ 725,000
	▪ Pickleball	\$ 400,000
	▪ Teen Center	\$ 150,000
	▪ Skate park	\$ 75,000
	▪ Splash pad	\$1,000,000

**\$2.5  
million**



**\$1.35  
million**

## Bike, Ped & Greenways

- W. Franklin St. resurfacing support \$ 650,000
- Raleigh Road multi-use path \$2,340,000
- Ephesus Church Rd. sidewalk \$ 631,500
- ✓ ▪ E. Morgan Creek Trail – Phase 3 East design \$ 500,000

**\$1.0  
million**

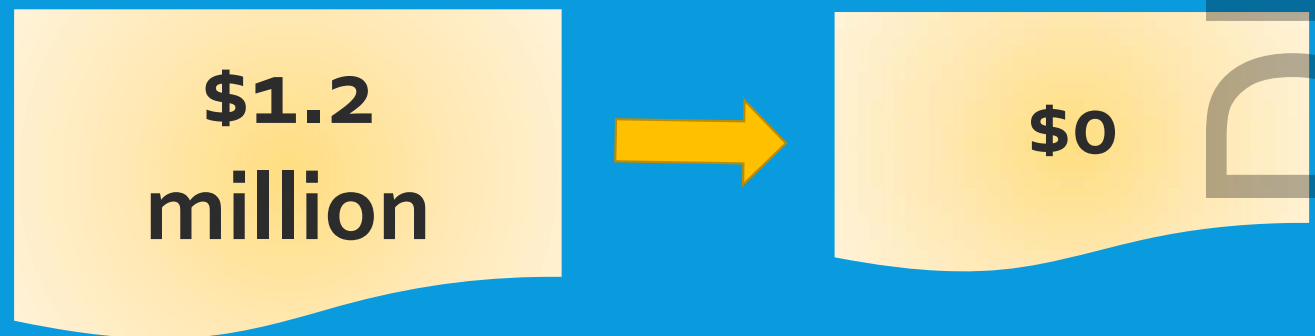


**\$500K**

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## Town Facilities Needs

- Maintenance needs identified in 5-year Budget \$11.4M
- ✓ ▪ Priority project: Homestead Aquatic Center HVAC units \$1.2M



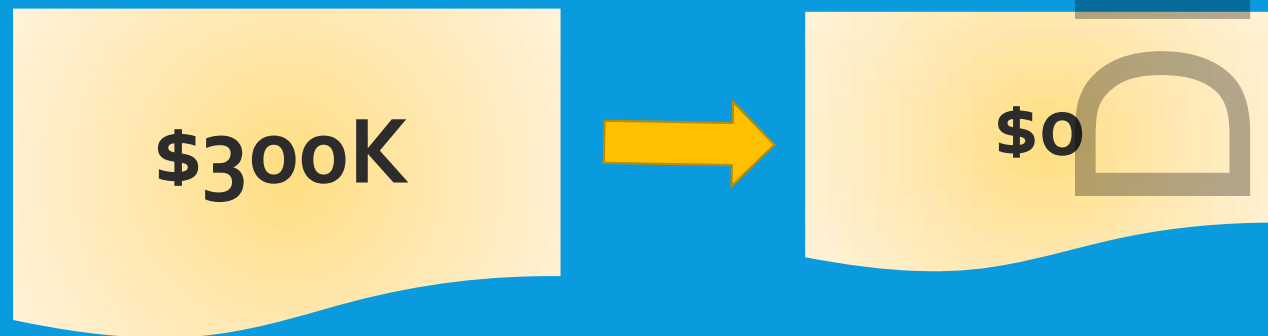
## Downtown Revitalization

- Streetscape improvements
- Adopt a Block Phase 2 projects
- Downtown Partnership Clean & Green Team - \$300,000 for two years of ARPA funding
- Feasibility study for Rosemary Commons
- Downtown-wide Strategic Plan
- + Peace & Justice Plaza renovation
- + Historic Town Hall renovation

**\$1.0  
million**

## Digital Access

- ✓ Library public meeting room AV System \$300,000
- Digital inclusion and literacy programs
- Broadband infrastructure at public housing neighborhoods





# COMING SOON & COMMUNITY PARTNER SCENARIOS

DRAFT

## Community Project Ideas for Town Departments

- Develop a process to receive project ideas from the community
  - Designed over the summer
  - Brought back to Council in the fall
- Town projects and responsibilities only to test participatory budgeting process

**\$500K**

## Application Review Process

### 1. **Application Release** (August 17<sup>th</sup>)

- Orientation for interested applicants (September 1st)
- Optional Pre-Application Meeting (anytime)

### 2. **Application Due** (Noon, September 30<sup>th</sup>)

- Submit to: [housingandcommunity@townofchapelhill.org](mailto:housingandcommunity@townofchapelhill.org)

### 3. **Housing Advisory Board Review and Recommendation** (October 11<sup>th</sup>)

### 4. **Council Consideration of Recommended Funding Plan** (Late October/early November)

**AFFORDABLE HOUSING**

DRAFT

## SCENARIO 1: Highest Scoring

- ✓ Highest scoring programs
- ✓ All projects scored highest level of equity
- ✓ Not all scored 4 on Pandemic specificity
- ✓ 7 total projects including 3 food programs

Community Partner	Project Name	Specific to Pandemic Relief	Total Score	Total \$ request
Farmer Foodshare	CSA for All Pilot	4	34	\$265,164
Transplanting Traditions	Food Access to Food Sovereignty	2	31.89	\$80,990
EMPOWERMENT Inc.	BrightPath Solutions	4	31.33	\$80,000
TABLE	Marketplace	2	30.89	\$100,000
RCP	Language Partners	2	30.66	\$50,000
Compass Center	Lethality Assessment Program	2	30.33	\$132,000
El Centro	COVID Recovery Initiative	4	30.11	\$378,375

**Total: \$1,086,529**

## SCENARIO 2: Highest Scoring and Pandemic-Specific

- ✓ Highest scoring programs that have a 4 for Pandemic specificity
- ✓ All projects scored highest level of equity except OWASA which scored second highest
- ✓ 5 total projects, only 4 ongoing

Community Partner	Project Name	Total Score	Total \$ request
Farmer Foodshare	CSA for All Pilot	34	\$265,164
EMPOWERMENT Inc.	BrightPath Solutions	31.33	\$80,000
El Centro	COVID Recovery Initiative	30.11	\$378,375
Orange County Partnership for Young Children	Mitigating Early Learning Loss	28.11	\$139,130
OWASA	Water Bill Debt Forgiveness	26.33	\$123,000

**Total: \$985,669**

## SCENARIO 3: Highest Scoring & Financially Sustainable

- ✓ Highest scoring programs that will either end by December 31, 2024, has financial sustainability plan, or ARPA only to implement or expand
- ✓ Specific to Pandemic relief either 2 or 4
- ✓ All highest Equity scores possible except OWASA
- ✓ \*\*Program will generate revenue during ARPA award period
- ✓ 7 total projects

Community Partner	Project Name	Financial Plan	Total Score	Total \$ request
Farmer Foodshare**	CSA For All	ARPA for implementation only	34	\$265,164
OC Partnership for Young Children	Mitigating Early Learning Loss	ARPA for implementation only	28.11	\$139,130
OWASA	Water Bill Debt Forgiveness	Project complete by 12/31/2024	26.33	\$123,000
PORCH	Food for Families	ARPA is for expanding only	25.78	\$149,000
Transplanting Traditions	Food Access to Food Sovereignty	Fees/other funds will be needed	31.89	\$80,990
RCP	Language Partners	Fees/other funds will be needed	30.66	\$50,000
RCP	Community Interpretation for All	Fees/other funds will be needed	28.22	\$200,000

**Total: \$1,007,284**



## Action Needed

- Ask questions about projects of interest
- Share feedback, especially on:
  - Downtown
  - Bike and Pedestrian
  - Community Partner scenarios
- Do you want to reallocate funding to Complete Communities from other categories?
- Prepare to vote on final group of projects

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## ARPA Community Partner Project Application

The Town of Chapel Hill is accepting applications from interested Community Partners who want American Rescue Plan Act (ARPA) funds to carry out meaningful programs and services in our community. *Please read the [Guideline Document](#) on our website before completing your Application to make sure your project meets ARPA guidelines and Town goals.*

### Guidance for this form:

- Applications are due by **Aug 11, 2022 at 5pm via email to [arpa@townofchapelhill.org](mailto:arpa@townofchapelhill.org)**
- Responses for all questions are required
- Complete one application per project or service
- Add to the allotted response space as needed
- Signatures (digital or wet ink) are required on page 5

**Have questions?** Email or call Sarah Poulton at [arpa@townofchapelhill.org](mailto:arpa@townofchapelhill.org) or 919-969-5009 by **Friday, July 22**.

### Section 1: Organization information

<b>Organization name</b>	<b>The Chapel Hill Downtown Partnership</b>
<b>Organization's mission, vision and/or goals</b>	<p><b>Vision:</b> Make downtown Chapel Hill welcoming to all – inclusive, unique, and magnetic for visitors, students, and residents. Create a vibrant and walkable downtown, filled with experiences which honor the rich traditions and evolving future of our community.</p> <p><b>Mission:</b> To be a champion and advocate for downtown Chapel Hill through programming, marketing, business support, and community building.</p>
<b>Organization's website or Facebook page</b>	<b><a href="http://www.downtownchapelhill.com">www.downtownchapelhill.com</a></b>
<b>Type of organization</b>	<input checked="" type="checkbox"/> 501c3 <input type="checkbox"/> For-profit business <input type="checkbox"/> 501c4 <input type="checkbox"/> Other, please specify: _____
<b>Your name</b>	<b>Matt Gladdek</b>
<b>Your title</b>	<b>Executive Director</b>
<b>Your email</b>	<b><a href="mailto:matt@downtownchapelhill.com">matt@downtownchapelhill.com</a></b>
<b>Your phone number</b>	<b>919-928-5352</b>
<b>% of staff that are Black, Indigenous, or People of Color (BIPOC)</b>	<b>40% (1 out of 2.5 FTEs)</b>
<b>% of board that are BIPOC</b>	<b>23%</b>

1. Project or service name: \_\_\_\_\_ Clean & Green \_\_\_\_\_
2. Please describe your program or service in detail. Include who you will reach with your program, how you intend to serve them, how the program or service will operate, and anything else someone unfamiliar with your services or programs would need to know.

Clean & Green:

Upon receiving funding, the Chapel Hill Downtown Partnership will put out an RFP for contractors to respond to for two years of service. There are multiple organizations in the Triangle that provide these services and is in keeping with Urban Place Management Organization best practices because the parent company has economies of scale and can provide the necessary equipment to complete the work.

The team will ensure downtown Chapel Hill is clean, green. and welcoming for visitors, workers, and residents by:

- Responding to appropriate Chapel Hill See, Click, Fix initiated requests and/or work orders;
- Removing litter and debris from Downtown using methods including though not limited to: operating pan & broom, removing gum from ground/furniture, removing handbills not in kiosks, flyers and stickers from vertical surfaces, etc.;
- Emptying public trash cans and coordinating with appropriate City departments to facilitate maintenance, replacement and/or reinstallation of damaged trash cans;
- Cleaning, inspecting and painting streetscape fixtures and furniture as needed including benches, picnic tables, etc.;
- Removing graffiti from public infrastructure using chemical applications, power washing and/or painting;
- Removing isolated chewing gum spots from sidewalks;
- Performing limited weed removal using mechanical tools and/or selective herbicides;
- Performing snow and ice removal of handicap cutouts at crosswalks;
- Performing targeted landscaping and watering of planters and street trees in brick and concrete planters controlled by CHPD
- Completing special projects on an as needed basis;
- Facilitating provision of Downtown specific hospitality training for Ambassadors regarding restaurants, hotels, shows, parking, etc.;
- Observing and reporting concerns to the Street Outreach and Harm Reduction And Deflection (SOHRAD) team, the police only when absolutely necessary;
- Remaining knowledgeable of local ordinances and where appropriate reporting violations to the appropriate City Department or agency as needed
- Completing regular public relations checks-ins with Downtown businesses;
- Providing increased night-time visibility of ambassadors during evening events;

Collaborating with appropriate City, County, and non-profit partners to leverage and enhance existing services to address cleanliness and beautification issues commensurate with Downtown growth

**If you are applying for a new program, please complete Section 2. If you are applying for funding a program that existed before the Covid pandemic, please complete Section 3. All applicants should then complete Sections 4 and 5.**

**Section 2: Information for new programs only**

1. Please confirm that your project can be completed by December 31, 2024: ☒ Yes ☐ No
2. How many households or individuals do you anticipate serving through your program?  
 Individuals or  844 Households **per**  week or  month or  year
3. Are you considering applying or have you applied to other agencies (ie Orange County) to fund this project? If so, please provide the agency and amounts below. Add more lines as needed and indicate a total program cost in the bottom row:

Agency	Amount
<b>Total</b>	

**Section 3: Project information for existing programs only**

1. Please describe below how you have had to adapt to providing services or have had to serve more community members because of the Covid pandemic that will continue into 2023. Examples include but are not limited to: restarting a program that had to stop due to pandemic conditions; purchasing equipment or supplies to provide a program differently because of the Covid pandemic; and/or serving more community members because of the Covid pandemic.

--

2. Do you receive funding from other organizations specifically for this service? If so, please provide the agency and amounts below. Add more lines as needed and indicate a total program cost in the bottom row:

Agency	Amount
<b>Total</b>	

#### Section 4: General information for all programs or services

1. What is the total funding request from the Town's ARPA funds during the Award Period (approx. January 1, 2023, through December 31, 2024)? \$300,000
2. Please provide a project budget. Note: all expenses reimbursable through ARPA funds must be incurred during the Award Period (approx. January 1, 2023 to December 31, 2024). See the [Guidance](#) for more information. Add lines to the chart below as needed and indicate a total program cost in the bottom row:

Cost category	Cost item	Amount
<i>Ex: Facility needs</i>	<i>Ex: Classroom rental fees</i>	<i>Ex: \$9,500</i>
Contract	Contract with service provider for Clean & Green Services	\$300,000
	<b>Total</b>	\$300,000

1. Do you anticipate earning program income (ie through the sale of food) as part of your program or services?  
☐ Yes ☒ No
2. If you charge for goods or services as part of your program or services, is there a sliding scale of pricing based on household income? ☐ Yes ☒ No
3. Which ARPA category best fits your project?
 

☐ Support public health (medical expenses, behavioral healthcare, and certain public health and safety staff)
   
☒ Address negative economic impacts (relieve economic harm to workers, households, small businesses, affected industries, and the public sector)
   
☐ Invest in water, stormwater and broadband infrastructure
4. Choose **at least 1** of the following groups of categories to indicate the group(s) your program or service will serve. For more information, please see the [Guidance Document](#).
  - a. Which of the following ARPA categories of those most affected by the pandemic best fits your project?
 

☐ [Low- or moderate-income households and communities](#)
  
☐ Households that experienced unemployment and/or increased food or housing insecurity
   
☒ Households residing in [Qualified Census Tracts \(QCTs\)](#)

\_\_\_ Households that qualify for certain federal benefits (ie Medicaid or CHIP)

- b. Which of the Orange County Long Term Recovery Plan category best fits your project?

\_\_\_ African American/Black communities

\_\_\_ Latinx communities

\_\_\_ People with pre-existing health conditions

\_\_\_ Students of color

☒ Businesses that rely on student and visitor spending

\_\_\_ People in need of affordable housing

- c. Re-imagining Community Safety Task Force

\_\_\_ Crisis

\_\_\_ Post crisis

☒ Prevention

5. Do you plan to or already collaborate with another community partner(s) on this project or service? If so, who?

We will collaborate with SOHRAD (Street Outreach Harm Reduction and Deflection team) to ensure Clean & Green Ambassadors know who to call if they see someone in need or distress, and to ensure all belongings of individuals are treated with respect as they clean the streets.

We will ensure CEF (Community Empowerment Fund), the Jackson Center, Empowerment, and other community organizations receive the job notices to ensure we are offering living wage jobs to our community members.

6. What challenge, problem or gap in our community does your program or service address?

Right now our downtown businesses are struggling as they dig out from the deficit, deferred expenses, and loans taken during the pandemic. This Clean & Green service will ensure our public spaces in downtown are beautiful and cared for. This project responds to the need for "Sparkle" in our downtown that the Downtown Together report calls for.

We need to make sure that Franklin and Rosemary Streets are beautiful and inviting so that we can retain our local, small businesses that have fought to make it through the pandemic.

7. What disparities will this project decrease or what equity outcomes will this project increase?

This project will provide two living wage jobs in a respectful environment and we will prioritize hiring locally. It will also help support approximately 200 street level businesses in Downtown Chapel Hill that employ a wide range of people in primarily service industries and will hopefully help these businesses succeed and pay their employees.

8. How has your organization incorporated racial equity goals into your organizational goals?

As an organization, we recognize how important racial diversity is to create a vibrant community and downtown. We center the conversation of racial, religious, gender, and sexual identity while considering board positions, employee hiring, and community outreach. Our staff is very diverse, and our board continues to seek out diverse board members.

We seek to foster a welcoming & inclusive atmosphere in downtown by ensuring outreach to all businesses in downtown, and ensuring we seek out businesses that will cater to the needs of our entire community. We

market the rich diversity of our current businesses like Epilogue, Dame's, Shanghai Dumpling, Vimala's, Momo's, etc.

Outreach to BIPOC businesses: we also are active in seeking out BIPOC businesses from the community that might be interested in expanding to Chapel Hill and we have developed relationships with businesses that are looking for the right space in the downtown area.

Support BIPOC events: We seek to collaborate with community partners on events that serve the BIPOC community, such Light Up on the Lunar New Year and Juneteenth and we are currently working to expand the representation in our winter Holiday programming.

9. Please describe any additional activities your organization is doing to address racial equity.

We collaborate with the Midway Business Center and the Jackson Center to ensure they are aware of our activities and vice versa. We have previously sponsored the Northside Block Party and have served on the Northside Neighborhood Initiative.

10. How are you connected to those that you will serve? Geographically, philosophically, do previous recipients of your programs or services work for your organization, etc.

Our organization's board is populated by residents, property owners, business owners, and employees of businesses that operate within the downtown Chapel Hill municipal service district. Our work is entirely tied in to the needs of our members.

11. What experience, if any, do you have applying for, accepting, or managing state or federal grants?

Our bookkeeper and auditor has experience receiving and managing grants from the State Alcoholic Beverage Control Commission.

12. How will you measure success? Please indicate inputs, activities, outputs with targets and dates, and outcomes below. For more information, please see the [Guidance Document](#). Add more lines as needed.

<b>Inputs</b> Resources dedicated or used by your program)	<b>Activities</b> How you plan to use the inputs to reach your programs goals	<b>Outputs</b> Volume or quantity of your work, incl. Targets and Dates	<b>Outcomes</b> Benefits or changes your program makes in the lives of participants
<i>Ex: Staff time</i>	<i>Ex: In-person tutoring sessions</i>	<i>Ex: 25 students receive 1 hour/week of tutoring for 12 weeks in first 6 months of program</i>	<i>Ex: Students reading at or above grade level</i>
Ambassador Staff Time	<ul style="list-style-type: none"> <li>Remove litter &amp; debris from public sidewalks.</li> </ul>	<b>Date:</b> 1/2023-1/2024 <b>How Often:</b> 5-6 days/week <b>What:</b> ambassadors will clean the ±3.7 miles of linear sidewalk space in downtown	Cleaner streets → makes downtown sparkle → Increases visitors to downtown → Helps retain and attract new businesses
Ambassador Staff Time	<ul style="list-style-type: none"> <li>Cleaning &amp; Inspecting Street furniture, trash cans, planters</li> <li>Removing Graffiti from public infrastructure</li> </ul>	<b>Date:</b> 1/2023-1/2024 <b>How Often:</b> Once a month <b>What:</b> ambassadors will clean all public trash cans, benches, utility boxes	Cleaner streets and less graffiti help downtown sparkle, and help businesses succeed
Ambassador Staff Time	<ul style="list-style-type: none"> <li>Power washing sidewalks</li> </ul>	<b>Date:</b> 1/2023-1/2024 as needed, main powerwashing through 3.7 miles of downtown sidewalk done in July. <b>How Often:</b> Once a year, and as needed	Reduce odors and grime, improves outdoor dining and walking downtown.



		<b>What:</b> Ambassadors will power wash sidewalks where dirt and grime has accumulated, especially around garbage cans	
Ambassador Staff Time & DCH Partnership Staff Time	Help visitors to town, check in with businesses	<b>Date:</b> 1/2023-1/2024 <b>How Often:</b> Once a month and as needed <b>What:</b> Ambassadors will be trained to help visitors that may be looking a business or location. Ambassadors will also regularly check in with businesses to help ensure the Partnership is connecting with all stakeholders	Ambassadors will ensure Chapel Hill feels welcoming and inviting with a small town feel.
Ambassador Time	Observing and reporting concerns to the Street Outreach and Harm Reduction And Deflection (SOHRAD) team	<b>Date:</b> 1/2023-1/2024 <b>How Often:</b> as needed <b>What:</b> while performing their duties the ambassadors will call the SOHRAD team if they come across someone who might need to be connected to services.	Extra eyes on the street will prevent problems and helping to connect people to SOHRAD will further connect people to help.
Ambassador Time	Performing snow and ice removal of handicap cutouts at crosswalks;	<b>Date:</b> 1/2023-1/2024 <b>How Often:</b> As needed with salt before precipitation, and clearing after precipitation. <b>What:</b> Will coordinate with public works to ensure downtown cross walks are clear from ice & snow and make sure downtown is accessible to all even after inclement weather.	Keeping ice and snow clear from crosswalks keeps downtown feeling welcoming and accessible all year long

13. Does your agency routinely conduct an audit of your financial records?   X   Yes    No

#### Section 5: Disclosures

Are any of the Board Members or employees of your agency or members of their immediate families or business associates one or more of the following:

**YES**   **NO**

- ☐ ☒ a) Employees of or closely related to employees of the Town of Chapel Hill?
- ☐ ☒ b) Members of or closely related to members of the governing bodies of the Town of Chapel Hill?
- ☐ ☒ c) Current beneficiaries of the program for which funds are being requested?
- ☐ ☒ d) Paid providers of goods or services to the program or having other financial interest in the program?

If you have answered YES to any question, **please provide a full explanation below:**

To the best of my knowledge and belief all of the above information is true and current.

Signature: Matthew T. Gladden  
Executive Director or Authorized Signer

August 10, 2022  
Date

Signature: \_\_\_\_\_  
Applicant (if different from above)

\_\_\_\_\_  
Date

Community Partner	Project Name	ARPA Eligible	Specific to Pandemic Relief	Total out of Possible 40 Points	Total \$ request	Liberty Rating	Liberty Score X Multiplier	Equity Rating	Equity Score x Multiplier	Equity Scorecard Total
Farmer Foodshare	CSA for All Pilot Program	4	4	34	\$265,164	Expands for Marginalized	32	Reduces Disparities	40	156
Transplanting Traditions Community Farm	Food Access to Food Sovereignty: Empowering Refugees	4	2	31.89	\$80,990	Expands for Marginalized	32	Reduces Disparities	40	156
EMPOWERment Inc.	BrightPath Solutions (The Series)	4	4	31.33	\$80,000	Expands for Marginalized	32	Reduces Disparities	40	156
TABLE	Marketplace	4	2	30.89	\$100,000	Expands for Marginalized	32	Reduces Disparities	40	132
Refugee Community Partners (RCP)	Language Partners	4	2	30.66	\$50,000	Expands for Marginalized	32	Reduces Disparities	40	150
Compass Center	Lethality Assessment Program for Safety of Survivors of Domestic Violence	4	2	30.33	\$132,000	Expands for Marginalized	32	Reduces Disparities	40	138
El Centro Hispano	ECH COVID Recovery Initiative	4	4	30.11	\$378,375	Expands for Marginalized	32	Reduces Disparities	40	156
Refugee Community Partners (RCP)	Community Interpretation for All	4	2	28.22	\$200,000	Expands for Marginalized	32	Reduces Disparities	40	162
Orange County Partnership for Young Children	Mitigating Early Learning Loss	4	4	28.11	\$139,130	Expands for Marginalized	32	Reduces Disparities	40	156
Community Empowerment Fund (CEF)	Homebuyer's Program	4	2	27.55	\$209,890	Expands for Marginalized	32	Reduces Disparities	40	156
Kidzu	From Play to Practice	2	2	27.44	\$113,610	Expands for Marginalized	32	Reduces Disparities	40	150
Diaper Bank of NC	Transforming Lives and Communities by Meeting Hygiene Needs	4	2	26.56	\$449,446	Expands for Marginalized	32	Reduces Disparities	40	150
IFC	Housing Stability	4	2	26.45	\$446,400	Expands for Marginalized	32	Reduces Disparities	40	144
OWASA	Water Bill Debt Forgiveness	4	4	26.33	\$123,000	Expands for Marginalized	32	Reduces Disparities	40	144
PORCH	Food for Families	4	2	25.78	\$149,000	Expands for Marginalized	32	Reduces Disparities	40	144
Club Nova Community Inc	No One Left Behind	4	4	25.77	\$325,000	Expands for Marginalized	32	Reduces Disparities	40	126

Freedom House Recovery Center	Youth SUD-MH 1st Offender Early Intervention	4	4	25.67	\$245,101	Expands/Restricts for All	24	Reduces Disparities	40	136
Compass Center	Emergency Housing for Survivors of Domestic Violence	4	2	25.66	\$120,000	Expands for Marginalized	32	Reduces Disparities	40	150
Club Nova Community Inc	No One Left Behind - Young Adult and Latinx Inclusion	4	2	25.66	\$150,000	Expands for Marginalized	32	Reduces Disparities	40	132
Meals on Wheels	Expanded Meal Options	4	2	25.12	\$57,701	Expands/Restricts for All	24	Reduces Disparities	40	142
Orange County Rape Crisis Center	Centering our Peace - Sexual Assault Services by and for People of Color	4	2	25.11	\$125,000	Expands for Marginalized	32	Reduces Disparities	40	126
Public School Foundation (CHCCS)	Afterschool and In-School Academic Support for Students Adversely Affected by Virtual Learning	4	2	24.9	\$792,000	Expands for Marginalized	32	Reduces Disparities	40	126
Boomerang Youth Inc	Alternative to Suspension (STRIVE) for Chapel Hill Youth	4	2	24.89	\$152,600	Expands for Marginalized	32	Reduces Disparities	40	144
Chamber - Black Business Alliance	Accelerate the Start and Growth of BIPOC-owned Businesses	2	2	24.67	\$150,000	Expands for Marginalized	32	Reduces Disparities	40	138
Hope Renovations	Construction Internship Program for Women and Gender Minorities	4	2	23	\$64,000	Expands for Marginalized	32	Reduces Disparities	40	138
Orange County Rape Crisis Center	By Us for Us - Sexual Assault Services by and for People of Color	4	2	22.55	\$90,000	Expands for Marginalized	32	Reduces Disparities	40	132
Exchange Club's Family Center of the Central Piedmont	Trauma-Informed Family Centered Counseling	4	4	21.55	\$338,300	Expands for Marginalized	32	Reduces Disparities	40	114
Kidscope (Families and Communities Rising, Inc.)	Trauma-Informed Education Consultation	4	2	19.78	\$55,000	Expands for Marginalized	32	Reduces Disparities	40	138

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Arc of the Triangle	Arc Triangle University Classes and Community Programs	4	2	16.33	\$15,000	Expands for Marginalized	32	Reduces Disparities	40	144

Scenario 1: Top Ranked Projects					Scenario 2: Top Ranked Projects with Pandemic Relief=4									
Community Partner	Project Name	Specific to Pandemic Relief	Total out of Possible 40 Points	Total \$ request	Community Partner	Project Name	Specific to Pandemic Relief	Total out of Possible 40 Points	Total \$ request	Community Partner	Project Name	Specific to Pandemic Relief		
Farmer Foodshare	CSA for All Pilot Program	4	34	\$265,164	Farmer Foodshare	CSA for All Pilot Program	4	34	\$265,164	Farmer Foodshare	CSA for All Pilot Program	4		
	Food Access to Food Sovereignty: Empowering Refugees to Feed Themselves and Others	2				31.89	\$80,990				EMPOWERment Inc.	BrightPath Solutions (The Series)	4	31.33
EMPOWERment Inc.	BrightPath Solutions (The Series)	4	31.33	\$80,000	El Centro Hispano	ECH COVID Recovery Initiative	4	30.11	\$378,375	OWASA	Water Bill Debt Forgiveness	4		
TABLE	Marketplace	2	30.89	\$100,000	Orange County Partnership for Young Children	Mitigating Early Learning Loss	4	28.11	\$139,130	PORCH	Food for Families	2		
Refugee Community Partners (RCP)	Language Partners Lethality Assessment Program	2	30.66	\$50,000	OWASA	Water Bill Debt Forgiveness	4	26.33	\$123,000	Transplanting Traditions Community Farm	Food Access to Food Sovereignty: Empowering Refugees to Feed Themselves and Others	2		
Compass Center		2	30.33	\$132,000	Total: \$985,669					Refugee Community Partners (RCP)	Language Partners	2		
El Centro Hispano	ECH COVID Recovery Initiative	4	30.11	\$378,375						Refugee Community Partners (RCP)	Community Interpretation for All	2		
Total: \$1,086,529				Notes:								EMPOWERment Inc.	BrightPath Solutions (The Series)	4
				OWASA is the only project that didn't score the highest level of equity, scoring second highest.								TABLE	Marketplace	2
Notes:														



All of these projects received a 2 or 4 for pandemic relief (most received a 2)

All of these projects scored at the highest level of equity.

Compass Center	Lethality Assessment Program for Safety of Survivors of Domestic Violence	2
El Centro Hispano	ECH COVID Recovery Initiative	4
Community Empowerment Fund (CEF)	Homebuyer's Program	2
Diaper Bank of NC	Transforming Lives and Communities by Meeting Hygiene Needs	2
IFC	Housing Stability	2

Scenario 3: Top Ranked Projects that End 12/31/2024 or Financially Sustainability						
Total out of Possible 40 Points	Total \$ request	Financial Sustainability response	Code	Rank	Other Funding	Program Income
34	\$265,164	Program will continue after 2024 using earned income revenue stream. ARPA provides up-front investment to get program off the ground, tweaked, tested, and optimized.	ARPA for implementation costs only	1	No	Yes
28.11	\$139,130	ARPA funding is for implementation costs. Ongoing costs after 12/31/2024 will be minimal and funded through other methods.	ARPA for implementation costs only	2	NC Partnership for Children (SmartStart)	No
26.33	\$123,000	One-time, will not need any future funding	Project complete by 12/31/2024	3	Orange County, Low-Income Household Water Assistance Program, NC HOPE Program, Donor-supported Care to Share, Other Assistance	No
25.78	\$149,000	This program has been funded by other revenue sources for 12 years and will continue to be funded that way after ARPA but ARPA funds will allow an expansion of the program's capacity. PORCH undergoing strategic plan to increase fundraising.	ARPA is for expanding the program only	4	Town of Carrboro, Orange County, Foundations, individual donations	No
31.89	\$80,990	Program will continue with other revenue - undergoing strategic plan and needs assessment to determine and may include revenue from food sales	Fees or other funds will be needed after ARPA	5	PORCH, Town of Carrboro, Orange County	No
30.66	\$50,000	Program will continue, hopefully with a fee for service model as well as other funding.	Fees or other funds will be needed after ARPA	6	Robert Wood Johnson Foundation, Kate B Reynolds	No
28.22	\$200,000	Program will continue, hopefully with a fee for service model as well as other funding.	Fees or other funds will be needed after ARPA	7	No	No
31.33	\$80,000	Continue with other funding like individual donors, foundations, and local organizations.	Other funds will be needed after ARPA		Bank	No
30.89	\$100,000	Continue with other funding like individual donors, foundations, and local organizations.	Other funds will be needed after ARPA		Individual donors, Duke Doing Good, Triangle Community Foundation	No

30.33	\$132,000	Program will continue, they would seek County and some town funding moving forward as well as grant opportunities	Other funds will be needed after ARPA	Orange County	No
30.11	\$378,375	Programs still in demand will continue using other revenue streams. They are currently developing a fund development plan with a diverse revenue stream.	Other funds will be needed after ARPA	Town of Carrboro	No
27.55	\$209,890	Continue with other funding like individual donors, foundations, and government sources. Working on securing multi-year funding from larger funders.	Other funds will be needed after ARPA	Town of Carrboro, Orange County	No
26.56	\$449,446	Did not respond		No	No
26.45	\$446,400	Program will continue but most likely not at the same level as with ARPA funds. They otherwise use primarily private donors.	Other funds will be needed after ARPA	Town of Carrboro, Orange County, Cameron Charitable Trust, Duke Community Care Fund, Duke Energy, OWASA, Individual donations, First Horizon, Food Lion, Jewish for Good, Strowd Roses, United Way, Carlson Family Foundation, Mary Norris Preyer Fund, Leon Levine Foundation	No