CHATTAHOOCHEE HILLS
HUTCHESON FERRY PARK

Prepared by:

LAND 4060S/LAND 4370S
UGA College of Environment and Design
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Chattahoochee Hills
ESTABLISHED 2007

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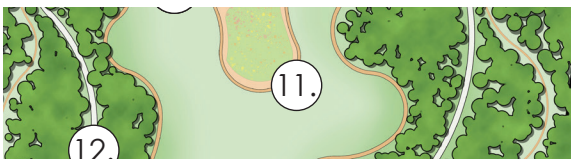

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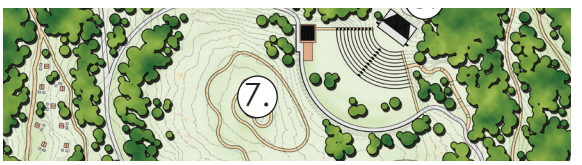

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Chattahoochee Hills

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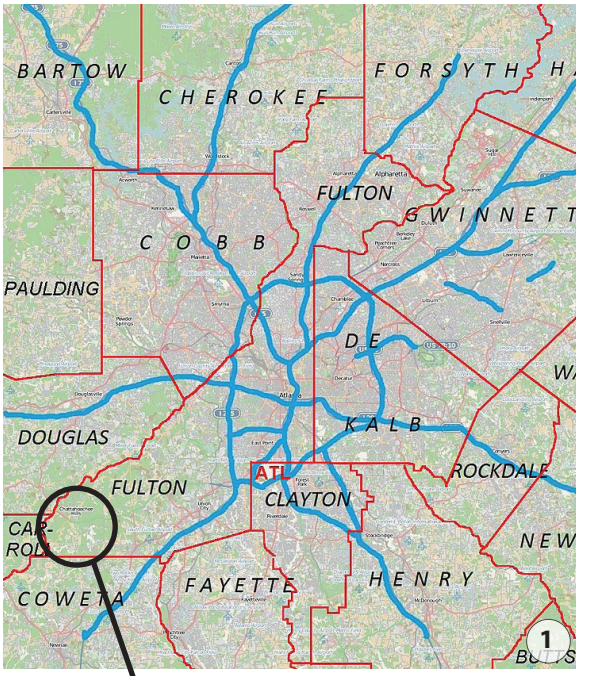
1.
INTRODUCTION

Introduction

1.1 PURPOSE

Chattahoochee Hills is a city of 2,655 residents located in southern Fulton county, Georgia, just 30 miles outside of Atlanta. The city wishes to develop an under-utilized park in the southeast corner of the city. The 105-acre park is located on Hutcheson's Ferry Road, 6 miles away from the Chattahoochee Hills City Hall and 3 miles away from the Serenbe Community, a Mixed-Use Hamlet. Despite its close geographical relationship to Atlanta, Chattahoochee Hills maintains 60% of their open space thanks to careful efforts to maintain its rural character. Because of this, the desire for the park is to better engage the natural areas for passive recreation and create opportunities for larger, organized events. Our LAND 4060s studio was tasked with creating design concepts in order to help the city realize this goal.



1.2 PROCESS

To begin the semester, we completed precedent studies of three different types of event venues: performance venues, festivals, and food truck parks. In total, we studied 30 different event venues. These precedent studies helped us understand the scale of the sites and recognize the necessary program elements to include in our own designs. On February 2nd, 2019, our studio class traveled to Chattahoochee Hills to visit the project site in order to familiarize ourselves with its characteristics. We then visited the Serenbe Community with the Mayor of Chattahoochee Hills to understand more about the city's variety of development patterns. Finally, we met with city officials and residents of Chattahoochee Hills for a design charette. During this event, we conducted a visual preference survey and a program element preference survey.

We continued our research after our site visit, when we completed an analysis of the site conditions and surrounding area. These studies, in combination with the feedback from the community, were used to inform our design and selection of programmatic elements.

Our findings from the site visit, charrette, precedent studies, and site analysis were used to create 14 initial design concepts. These plans were presented to city officials from Chattahoochee Hills in Athens, GA. The city officials then took the designs back to Chattahoochee Hills and reviewed the plans with the Parks Commision.

After recieving feedback on our plans, we refined and consolidated our initial designs into one masterplan. We designed the overall layout, and then went further into detail with each component of the design. Then, on May 2nd, 2019, our class revisited Chattahoochee Hills to present our designs.

1.3 HISTORY OF THE CITY OF CHATTAHOOCHEE HILLS

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Prior to the arrival of white settlers, the area now known as the city of Chattahoochee Hills was occupied by the Creek Indians. In 1825, Creek Chief William McIntosh signed the second Treaty of Indian Springs. The signing of this treaty ceded nearly all remaining Creek land in Georgia. Campbell County was created in 1828 from part of the Creek Indean property. Its boundaries include what would become parts of Carroll, Coweta, Fayette, DeKalb, and Cherokee counties. Early settlement of Campbell County predominantly occured along the Chattahoochee River. At the time, Ferries were the only way to cross the river.

Agricultural production in Chattahoochee Hills during the 1830s focused on corn, wheat, oats, and potatoes. In the 1840s, Campbell County transitioned to a one-crop system consisting mainly of cotton. The agricultural system suffered during the Civil War, with cotton prices remaining low until late in the 19th century. During the Civil War, General Sherman's Advance on Atlanta reached the area of Chattahoochee Hills during the summer of 1864. Though Union Forces were first unable to cross the Chattahoochee River because of the rarity of pontoon bridges, they were able to proceed to Palmetto and destroy the Atlanta West Point Railroad, telegraph lines, and supplies. The county seat, Campbellton, began to fail after the destruction of the Civil War and the completion of the Atlanta West Point Railroad. The county seat was changed to Fairburn, which was experiencing rapid growth due to its position on the railroad.

Campbell County suffered economically during the early 20th century due to the boll weevil infestation in the early 1920s and the financial crash of 1929. This led to Campbell county merging with Fulton County in 1932, with Atlanta as the county seat. The economic decline led to residents of the newly merged Fulton County to turn to industrial and service jobs, which led to infrastructural improvements and the widespread introduction of electricity and running water during World War II.

Prior to its incorporation as a city on December 1st, 2007, the City of Chattahoochee Hills was considered the town of Rico, with other communities including Goodes, Rivertown, County Line, Campbellton, Pumpkintown, and several other historic communities within the new city's boundaries.

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Students visiting Hutcheson Ferry Park

1.4 GOALS

We spoke to city officials and residents to determine some overall goals for the project. The goals are as follows:

- Provide a design that can be implemented in phases
- Maintain the rural character of the site
- Provide useful site structures that have a unified aesthetic
- Design flexible event spaces that can be used for passive or active recreation

2.
PRECEDENT STUDIES

Precedent Studies

2.1 WHY DID WE COMPLETE PRECEDENT STUDIES?

Prior to the design process, our studio conducted precedent studies of festivals, parks, and food truck venues that could be comparable to the desired program of Hutcheson Ferry Park. For each event or location, we considered the site and parking acreage, average event attendance, and the population information for the city. We inventoried the program elements of the sites, and compared them to the desired outcome of Hutcheson Ferry Park.

2.2 VISUAL AND PROGRAM ELEMENT PREFERENCE STUDY

Using both "good" and "bad" images pulled from our precedent studies, we conducted a visual preference study during our design charrette at the Chattahoochee Hills City Hall. Residents of Chattahoochee Hills marked program elements and photos with red or green marks to denote their preference. We then tallied their marks and ranked them by preference. This survey helps us gain an idea of what the residents in the area would like to see in this new development.

2.3 PRECEDENT STUDIES AROUND THE UNITED STATES

The following precedent studies have program elements and a visual aesthetics that reflect the desires of the people of Chattahoochee Hills, according to the Visual Preference and Program Element Preference study. These precedent studies are located throughout the United States, and reflect a variety of populations. Each of the following studies represent either a festival, park, or food truck venue.

Merriwether Post Pavilion
Columbia, Maryland

Inman Park Festival
Atlanta, Georgia

The WynWood Yard
Miami, Florida

2.4 DEMOGRAPHICS ANALYSIS

ArcGIS Community Analyst, created by ESRI, is a tool that can be used to create detailed demographics reports. By using this technology, we were able to determine the demographic makeup of the area around Hutcheson Ferry Park. We also used this information to estimate the spending habits of the nearby residents and estimate the income potential of the park.

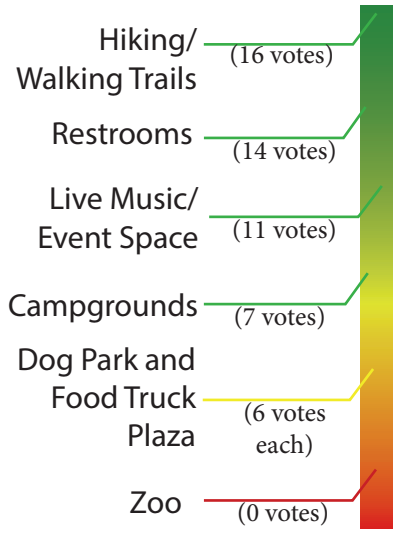
VISUAL PREFERENCE AND PROGRAM ELEMENT STUDY

Using an interactive visual preference survey, we were able to gather information about the residents' desired program elements and aesthetic for Hutcheson Ferry Park. Some of their selections were expected, such as an amphitheater and walking trails. Others surprised us, like BBQ competitions. The results of the survey were used to inform our designs.

The first part of the survey consisted of randomized pictures, with the intention of discovering the desired aesthetic and feel of the park. The second part of the survey was geared more towards seeing how the park could serve the local population through events and amenties.

Sampled Responses

(ranked by number of votes)



Most Preferred Elements

(arranged by size to show popularity)

Most Liked Photographs

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MERRIWEATHER POST PAVILION

Columbia, Maryland

Merriweather Post Pavilion has been a popular concert venue for decades. It has hosted bands as big as The Who and Green Day. The space features a main stage and pavilion for its large concerts. Symphony Woods' smaller stage, the Chrysalis, hosts smaller shows and local events.

CITY OF COLUMBIA, MARYLAND

POPULATION
99,615

AVERAGE HOUSEHOLD INCOME
$103,707

ELEMENTS

Stage and Pavilion
Lawn Seating
Large Indoor and Outdoor Spaces
Symphony Woods

The Chrysalis in Symphony Woods

LAND USE

Total Site Acreage: 51.63 acres

Total Parking Acreage: 1.84 acres

Average Event Attendance: 8,000

STRENGTHS

- The site is multi-purpose, acting as both a major concert venue and a park
- The local community plays an active role in the space. The smaller stage allows local youths to preform and the space hosts high school graduations

WEAKNESSES

- Lack of parking and shared parking with local businesses generates friction and confusion
- Tightly grouped concessions and restroom buildings means lines will often tangle and clog up the flow of the space

INMAN PARK FESTIVAL

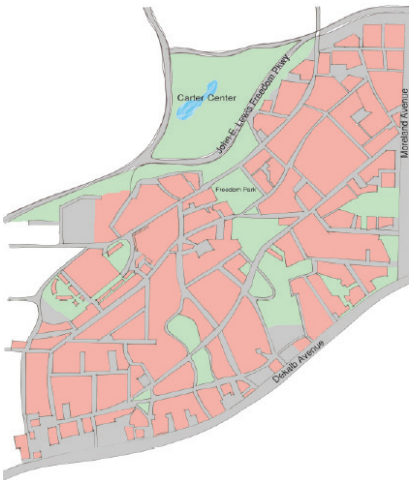
Atlanta, Georgia

The Inman Park Festival is one of Atlanta's oldest festivals. Started in the 1970s, it served as a way to honor its historical significance and raise money to keep the neighborhood well maintained and intact. In the late 1880s, Frederick Law Olmstead designed the park, and the neighborhood was developed by businessman Joel Hurt.

CITY OF ATLANTA, GEORGIA

POPULATION
486,290

AVERAGE HOUSEHOLD INCOME
$79,304



LAND USE

Total Site Acreage: 180 acres

Total Parking Acreage: 11 acres

Average Event Attendance: 100,000

ELEMENTS

Arts & Crafts Booth
Community Booth
Tour of Homes
3 Music Stages
Parades
Dance Performances

STRENGTHS

- Wide variety of different events
- Surrounded by popular restaurants
- Easy to meet members of the Inman Park Community and be involved

WEAKNESSES

- Little open green space
- Problems with overcrowding

THE WYNWOOD YARD

Miami, Florida

The Wynwood Yard is a hub of food and culture in Miami. It aims to help support local eateries in Miami and give local entrepreneurs a support system for new concepts. The space is a multi-purpose venue that also hosts fitness activities and other events. The small scale of the site gives the venue an intimate, hand-crafted feel.

CITY OF MIAMI, FL

POPULATION
463,347

AVERAGE HOUSEHOLD INCOME
$44,937

LAND USE

Total Site Acreage: 0.58 acres

Total Parking Acreage: 0.72 acres

Average Event Attendance: 500

ELEMENTS

Temporary and Permanent Stalls
Food and Beverage Vendors
Seating Areas
Fitness Classes

STRENGTHS

- Variety of food options for all dietary concerns
- Hosts more than just food, other events and activities can take place here too

WEAKNESSES

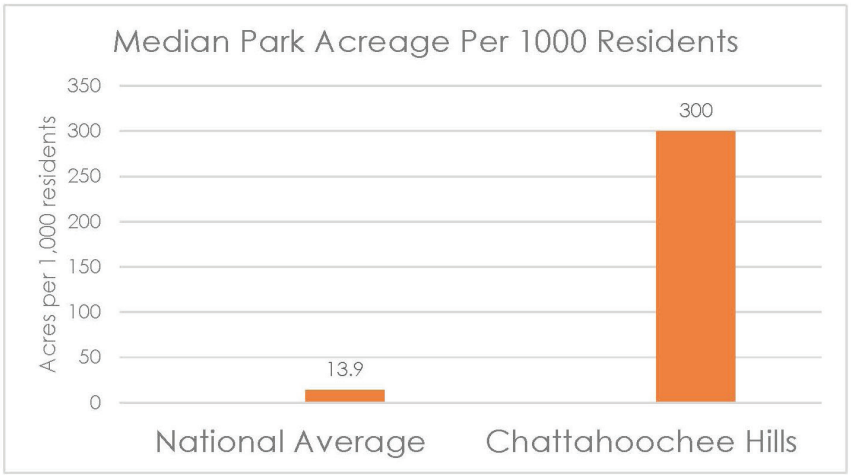
- Caters to a younger crowd so some demographics may feel left out
- Expensive food and beverages

2.4 PREFERENCE AND DEMOGRAPHIC ANALYSIS

Upon returning to Athens, we analyzed data gathered at the public meeting. We used this data to create a word cloud showing how well residents liked different park program elements. A list of overall goals was also developed from comments and visual preference voting.

We then used the ArcGIS Community Analyst, created by ESRI, to determine the demographic makeup of Chattahoochee Hills and surrounding areas. This software provided us with population counts, age ranges, and spending data. This data was then compared to the community's desired elements to see how much potential income could be captured by the park.

Median Park Acreage Per 1000 Residents

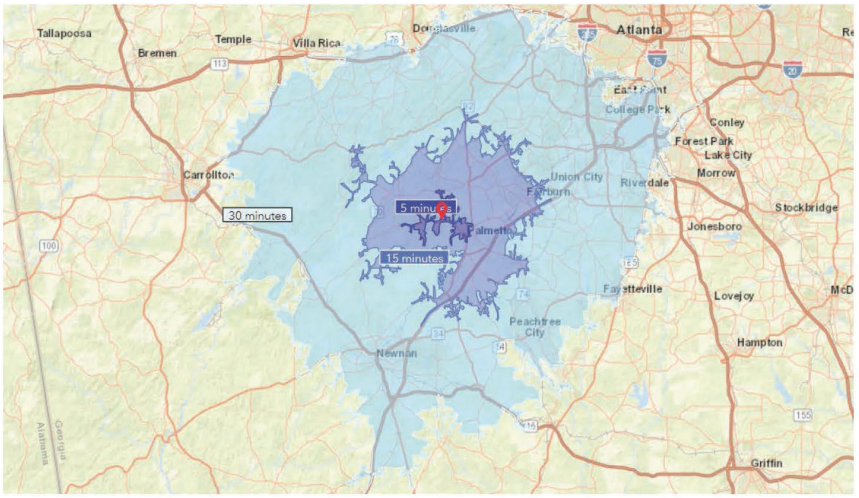


22x the national median of park acres/1000 residents

National Average: **13.9** acres per 1,000 residents
Chattahoochee Hills: **300** acres per 1,000 residents

(National Institute of Health)

Population Demographics



Using Esri's Community Analyst GIS software, community profiles for 5, 15, and 30 minute drive times were created. From this data, we are able to see...

WHO will be using the park
- target program areas based on age, income, and distance travelled

WHAT they will be doing in the park
- compare the US avg. index for certain activities with those of Chattahoochee Hills

WHERE they will be coming from
- drive times visually display the range of people that will travel to the park
- market potential

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These graphics show the population, age distribution and income for people who live 5,15, and 30 minute drive times away from the site.

5 Minute Drive

- 2,453 Population
- 879 Households
- 37 Median Age
- 600 Children
- 704 Family Households
- 25% Young Families + Professionals
- 5.2% Increase in ages 65+ btwn 2010-2023

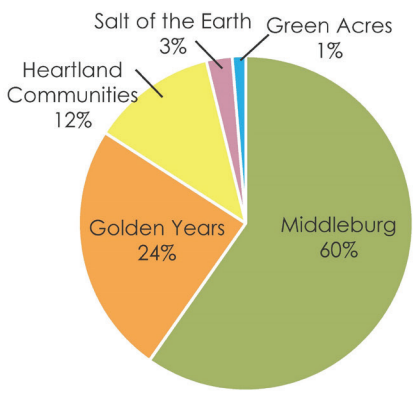
15 Minute Drive

- 46,408 Population
- 12,268 Households
- 37.2 Median Age
- 10,000 Children
- 3,000 Children Ages 0-4
- $62,645 Avg. Household Income 0-15 mins.
- 614,000 Population in 30 minute range

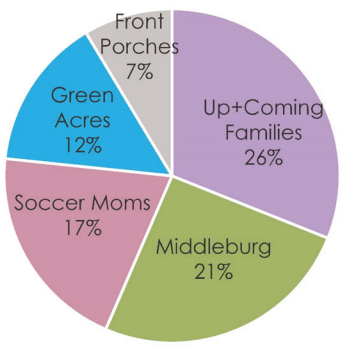
Tapestry Segments

ESRI is able to analyze and categorize populations into groups based on their socioeconomic and demographic composition. This data will help us determine what kind of people will be most likely to visit the park and what they will be doing based on their Tapestry segmentation.

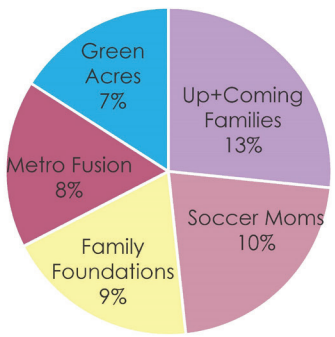
5 Minute Drive



10 Minute Drive



15 Minute Drive



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Tapestry Segments

Middleburg

- Traditional young families
- Spending priorities focus on family or home DIY projects
- Sports include hunting, fishing, bowling, baseball
- Average household size: 2.65
- $59,800 median income

Golden Years

- Independent, active seniors
- Nearing the end of their career or already in retirement
- Variety of interests- travel, sports, dining out, museums, concerts
- Avid readers, leisure time spent on sports, active social lives, good health is priority
- $72,700 HH income

Heartland Communities

- Settled, close-knit, older householders, no plan to leave home
- Embrace a slower pace of life
- Actively participate in outdoor activities + community events
- Enjoy country music and supporting local community
- $42,400 median income

Up + Coming Families

- Younger, more mobile and ethically diverse than previous generation
- Find leisure in family activities
- Newer homes, younger families: one of fastest growing markets in the country
- Average household size: 3.12
- $72,000 median income

Soccer Moms

- Affluent, family oriented market
- Suburban
- Family oriented purchases and activities dominate
- Outdoor activities and sports are characteristics of life
- Average household size: 9.27
- $90,500 median income

Green Acres

- Focused on country living and self-reliance
- DIY, gardening, variety of sports
- Active in communities and social organizations
- Average household size: 2.7
- $76,800 median income

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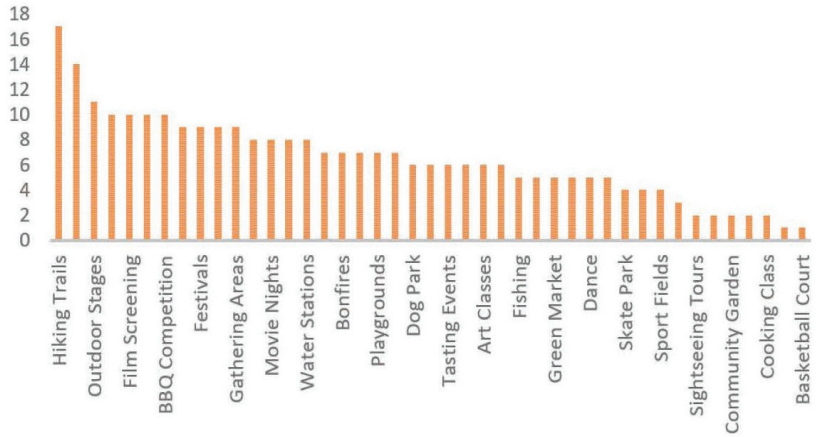
Desired Elements

These graphics show a word cloud that was assembled after our meeting with the community. In the word cloud, the size of the text is proportional to the number of times that word was mentioned by the community. We also discovered that a desirable program offered within a park can increase use by 50% (according to the National Parks and Recreation Association.)

a single program offered can increase a park's use by

50%

according to the NRPA



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Behavior + Spending Habits

ESRI's demographic analytics provides an index for studying leisure behavior. National averages for the different kinds of behaviors are shown with an index of 100. An index number above 100 indicates behavior greater than the national average. An index number below 100 is below the national average.
This chart shows behaviors for population in the 15 minute drive radius.

Two more charts are below this one. They show the total amount of recreational spending which could be captured by activities in Hutcheson Ferry Park.

Leisure Behavior	Index	Number of adults/ (HH)	% of population
Attended a movie 6 months	105	19,737	62.30%
Walking for exercise	106	8,167	25.80%
Overnight camping trip	122	4,731	14.90%
Jogging 12 months	106	4,352	13.70%
Hiking 12 months	105	4,044	12.80%
Lifted Weights 12 months	107	3,548	11.20%
Live theater	93	3,427	10.80%
Photography past 12 months	98	3,216	10.20%
Road Biked past 12 months	101	3,232	10.20%
Attended rock concert	105	3,138	9.90%
Yoga past 12 months	97	2,515	7.90%
Aerobics past 12 months	97	2,408	7.60%
Attended art Gallery past 12 moths	96	2,381	7.50%
Attended country concert	113	2,350	7.40%
Went dancing	93	2,239	7.10%
Painted in last 12 months	93	2,252	7.10%
Auto show past 12 months	111	2,083	6.60%
Birdwatching past 12 months	106	1,493	4.70%
Frisbee	109	1,440	4.50%
Member of charitable organization	93	1,309	4.10%

Entertainment + Recreation Spending

	5 min	10 min
Total $ Spent	$2,704,952	$50,629,846
Per HH	$1,964	$3,737

15 min Spending Breakdown

Spending Service	Index	Avgerage	Total
Membership fees for civic/rec	105	$236.98	$3,559,986
Recreational Lessons	111	$152.99	$2,298,171
Museums/Parks	106	$84.29	$1,267,706
Operas/Concerts	104	$34.61	$519,851

Overall Goals

The graphic below summarizes the overall community goals expressed to us in our public meeting.

-Create inclusive programming that brings the whole community together

-Recognize and meet the recreation and leisure preferences of the expected end users

-Establish Chattahoochee Hills as a cultural hub through concerts and food and arts festivals

-Provide ecological educational opportunities for children and adults alike

-Effectively fund park maintenance and operations through programming and rentals

Park Income Potential

	Daily Use	Concert	Farmer's Market	Car Show	Exercise Class	BBQ Contest
Rental Rate						
# Rented						
$						
Ticket Sales		$10		$10	$10	
# Tickets		850		401	33	
$		$8,500		$4,008.45	$328.56	
		VIP Parking				
Parking Fee	$5	$30			$5	$5
# Cars	21	20			33	300
$	$105.60	$600			$164.28	$1,500
Booth Rental		25	30	35		150
# Booths		4	30	25		25
$		$100	$900	$875		$3,750
Yearly Frequency (days)	360	$3	28	1	28	$1
Total	**$38,016**	**$27,600**	**$25,200**	**$4,883.45**	**$13,799.52**	**$5,250**

	Camping	Pavilion	Art Class	Nature Tours
Rental Rate	$20	$100		
# Rented	25	1		
$	$750	$100		
Ticket Sales			$25	$10
# Tickets			22	22
$			$563	$220
Parking Fee		$5	$5	$5
# Cars		10	22	22
$		$50	$112	$111
Booth Rental				
# Booths				
$				
Yearly Frequency (days)	90	25	12	12
Total	**$67,500**	**$3,750**	**$8,107.00**	**$4,031.10**

Total Revenue	**$198,137.27**
Expenses	$80,060.64
Funding from Programing	$118,076.64

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3.
SITE ANALYSIS

Site Analysis

After our visit to Chattahoochee Hills on February 2nd, 2019, our studio class began conducting site analysis. We completed the study of the geographical, historical, legal, and regional context of the site.

CHATTAHOOCHEE HILLS SITE ANALYSIS CONTENTS

- Basemap and Slope Banding - pp. 23
- U.S. Fish and Wildlife Service National Wetlands Inventory Mapping - pp. 24
- U.S. Fish and Wildlife Service Endangered Species - pp. 25
- FEMA Flood Plain - pp. 26
- USGS Blueline Streams and GA Stream Regulations - pp. 27
- Existing Zoning and Chattahoochee Hills Masterplan - pp. 28-29
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- Serenbe Trails and Trail Connections - pp. 31
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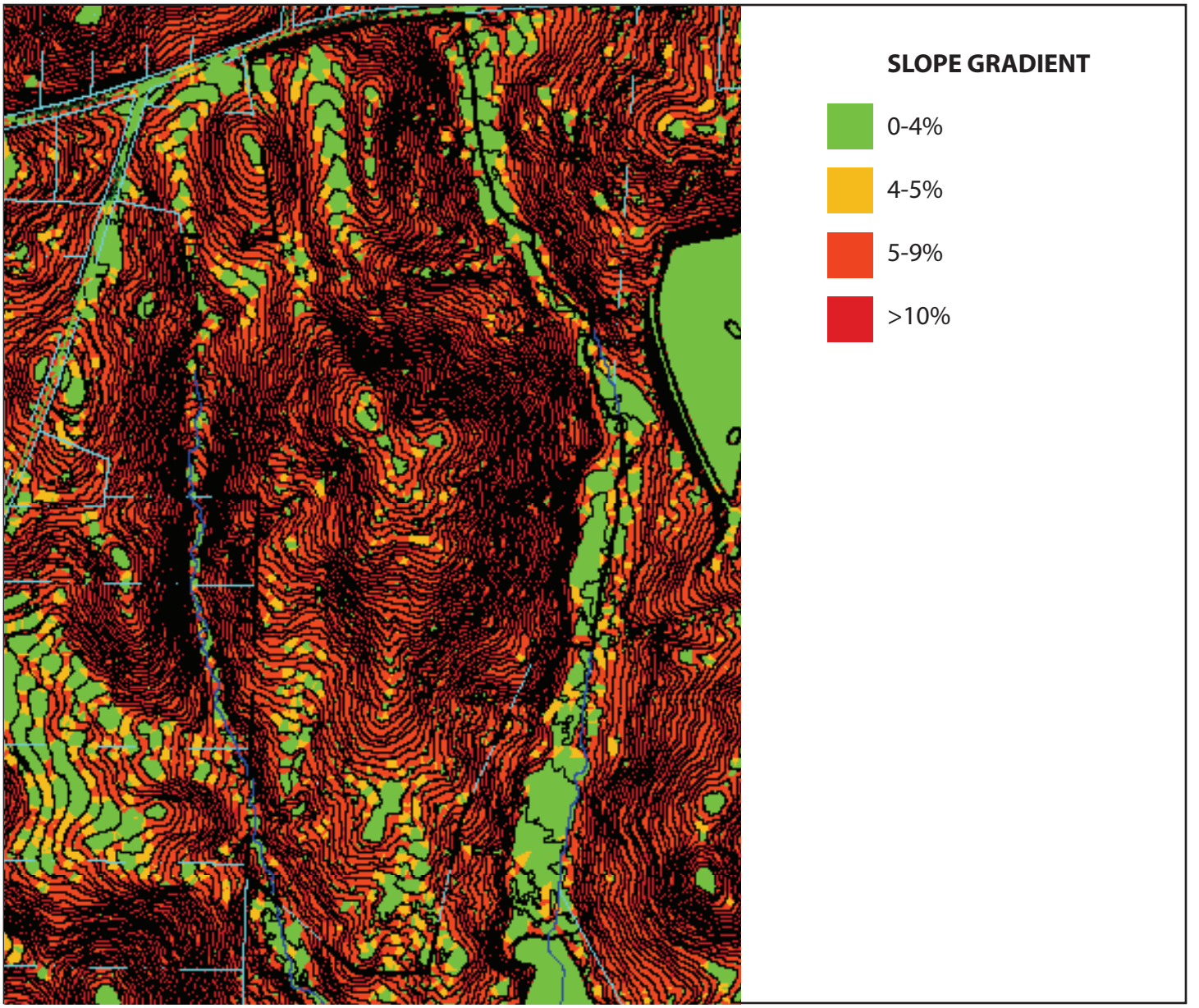


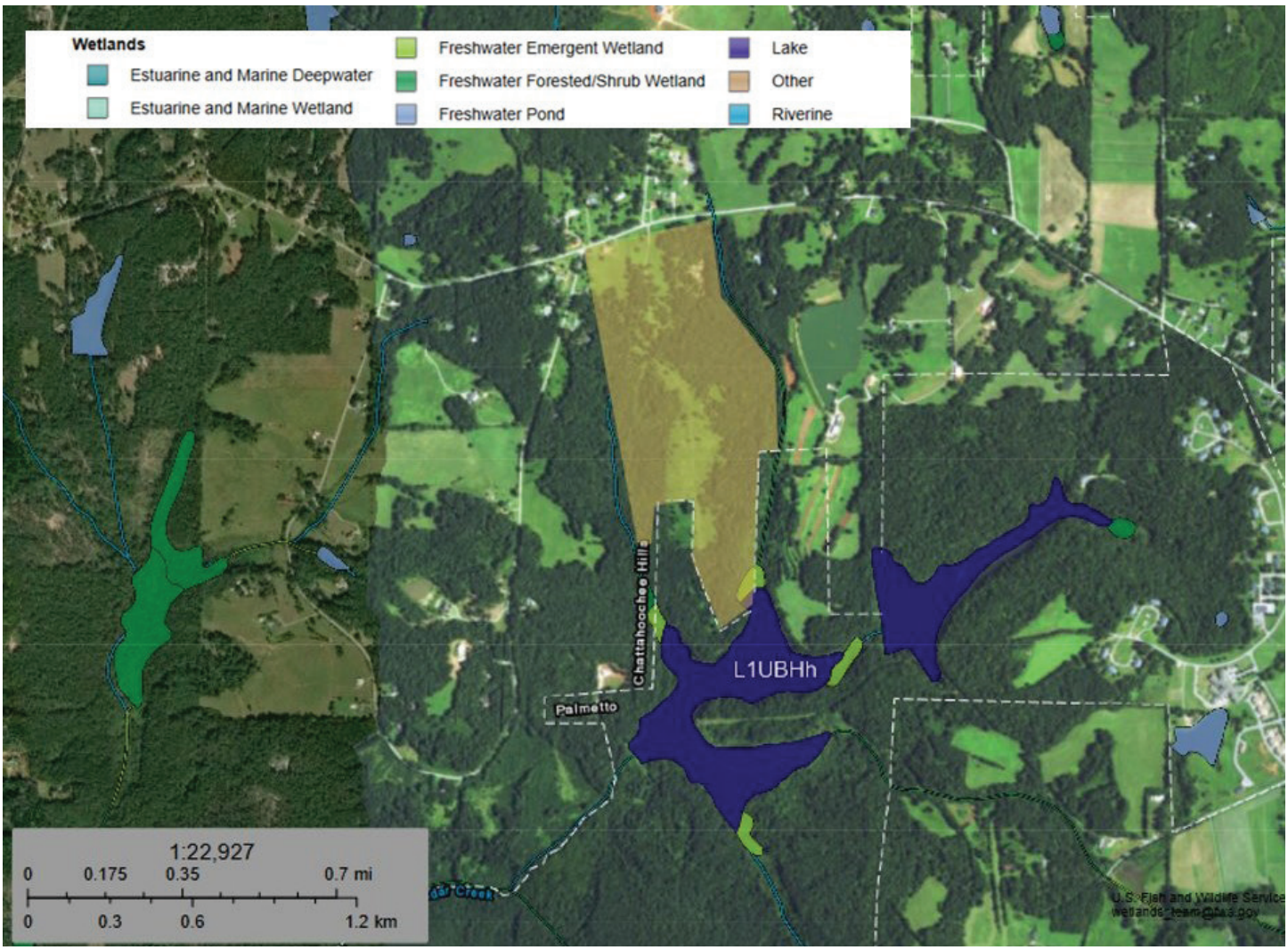
BASEMAP AND SLOPE BANDING

The Americans with Disabilities Act (ADA) defines a ramp as a pedestrian walkway having a slope of 5% or greater. Since most of our site is to be pedestrian friendly, it was critical to determine where slopes on the property were at or greater than 5%.

Using topography from the Fulton County GIS department, we were able to complete a slope analysis using AutoCAD and ArcGIS software.

Our slope map tells us that a great majority of the site has slopes of 5% or greater. This means that some site alterations will be required to have pedestrian paths complying with ADA requirements.

Source: Southwest Atlanta Fulton County GIS



U.S. FISH AND WILDLIFE SERVICE
NATIONAL WETLANDS INVENTORY MAPPING

There are few wetland restrictions on the site of Hutcheson Ferry Park, according to the US Fish and Wildlife Services National Wetlands Inventory Map (https://www.fws.gov/wetlands/data/Mapper.html). There are 2.3 acres of Freshwater Forested/Shrub Wetland and 2.22 Acres of Freshwater Emergent Wetland. Any buffer relating to these wetlands will be included within the required buffer for blueline streams.

Source: U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper
Note: The USFWS Wetlands Inventory is a high-level analysis to estimate wetland location. Furthermore, detailed investigation should be conducted to accurately locate and delineate all on-site wetlands.

U.S. FISH AND WILDLIFE SERVICE
ENDANGERED SPECIES

The US Fish and Wildlife Service's IPAC site is a a map of endangered and protected species. (https://ecos.fws.gov/ipac/)

We located our site on the IPAC website and it generated a list of threatened or endangered species and animal habitats that are known or expected to be on or near the project area.

Flowering Plants

Michaux's Sumac *(Rhus michauxii)*
Status: Endangered
No critical habitat has been designated for this species.

Migratory Birds

The birds listed below are of particular concern because they either are listed on the USFWS Birds of Conservation Concern (BCC) list or because they warrant special attention in your project location. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area.

Blue-winged Warbler *(Vermivora pinus)*
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA.
Breeds May 1 to June 30

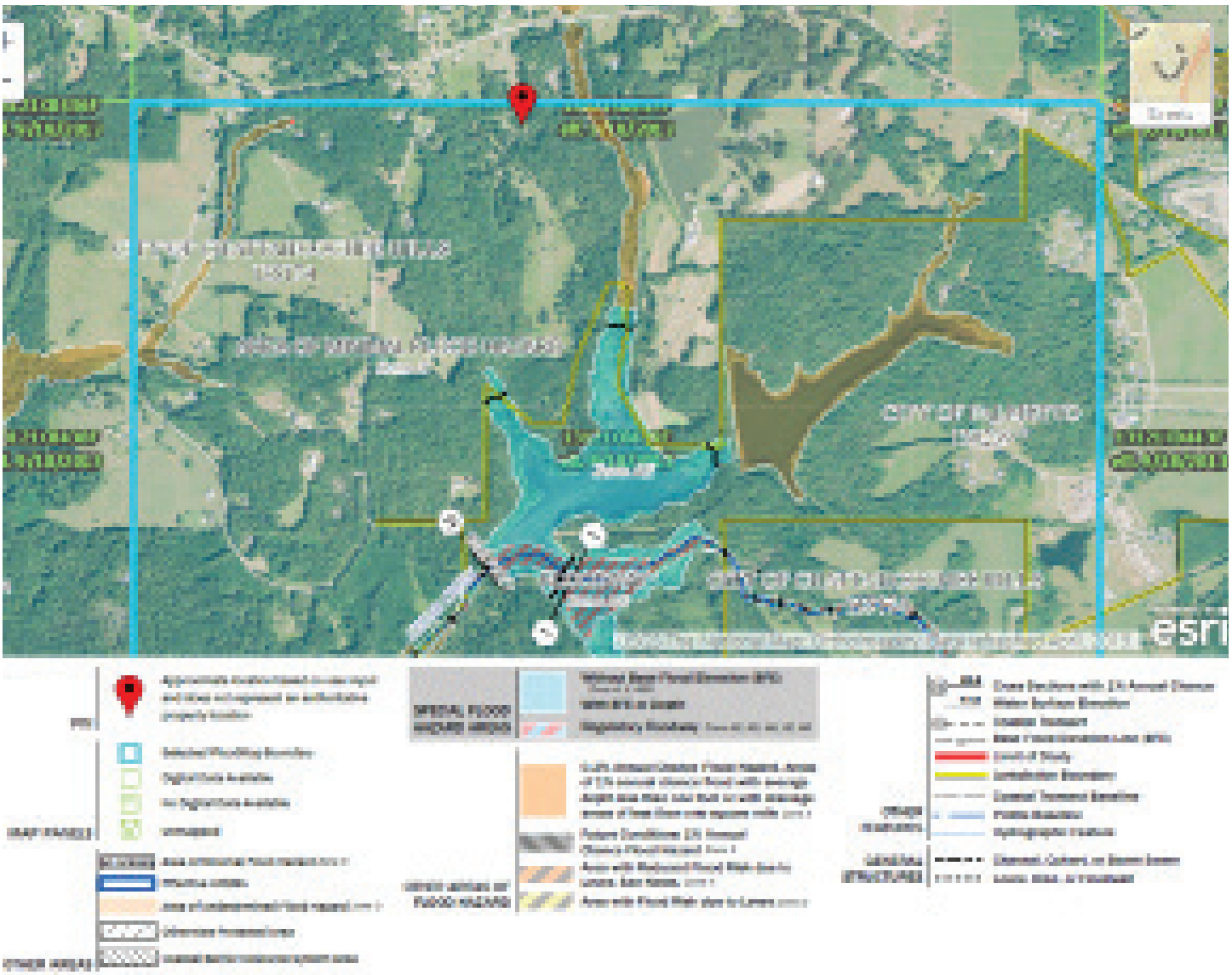
Kentucky Warbler *(Oporornis formosus)*
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
Breeds April 20 to August 20

Prairie Warbler *(Dendroica discolor)*
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
Breeds May 1 to July 31

Red-headed Woodpecker *(Melanerpes erythrocephalus)*
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
Breeds May 10 to September 10

Wood Thrush *(Hylocichla mustelina)*
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
Breeds May 10 to August 31

Note: This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

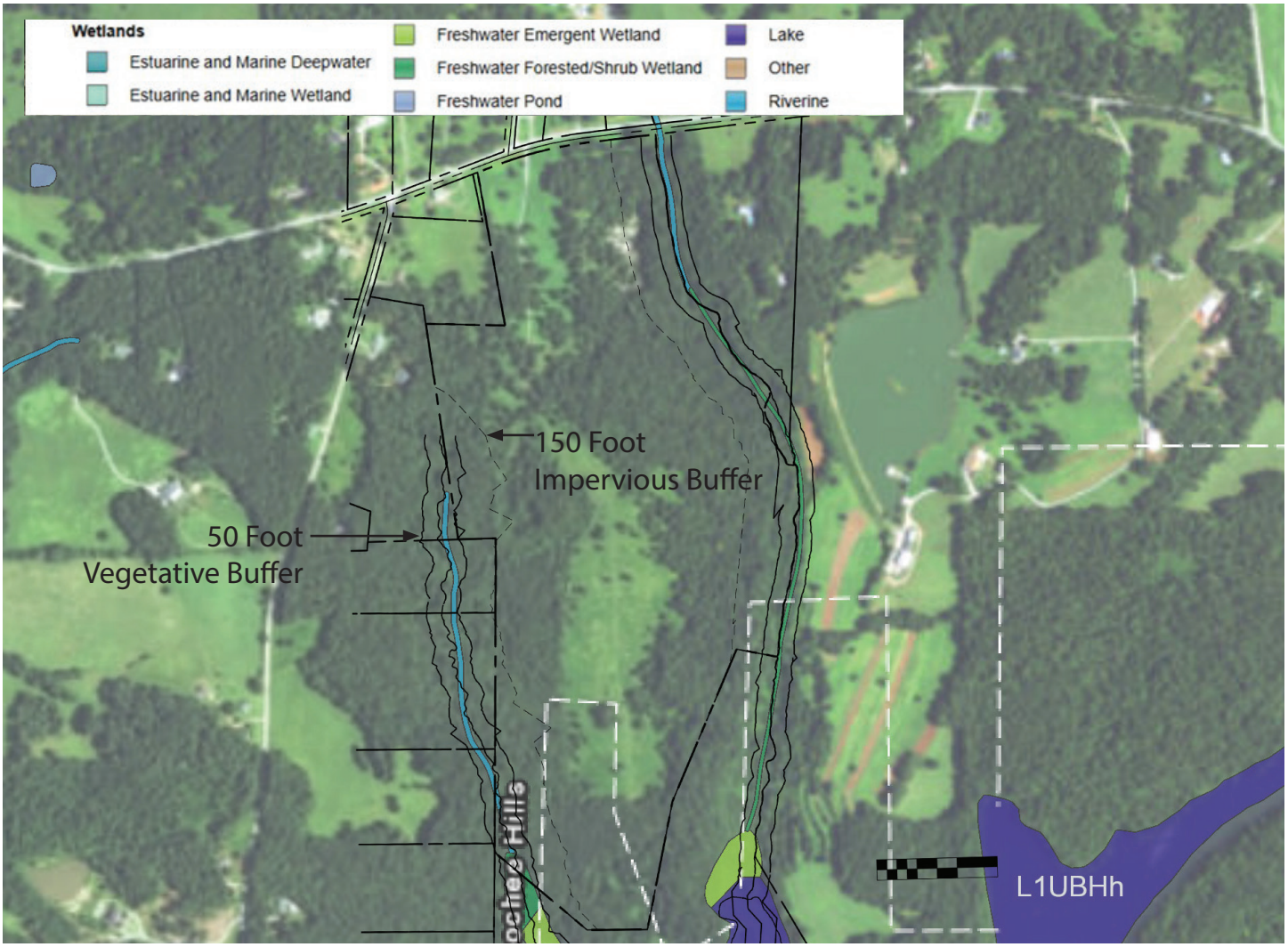


FEMA FLOOD PLAIN

The FEMA Flood Plain Map provides flood hazard and risk information which can be used for community flood plain management. The site of Hutcheson Ferry Park exists adjacent to the Cedar Lake flood plain, but no significant flood plain restrictions exist on site.

Source: The Federal Emergency Management Agency Flood Map Service Center (https://msc.fema.gov/portal/home)

Note: The FEMA Flood Map Service Center website provides a high level analysis to estimate floodplain location. Further detailed investigations should be conducted to accurate locate and delineate all on site floodplain conditions.



USGS BLUELINE STREAMS AND GA STREAM REGULATIONS

A blue line stream is a stream appearing as a broken or a solid blue line on a USGS topographic map. Blue line streams are considered protected water bodies under the Metropolitan River Protection Act, Chattahoochee Hills Code of Ordinances and the Chattahoochee Corridor Plan.

According to the Chattahoochee Hills Code of Ordinances, the Metropolitan River Protection Act and the Chattahoochee Corridor Plan, blue line streams are to be protected by an undisturbed, natural vegetative buffer zone. Beginning at the edge of the stream bank on both sides of the stream, this buffer extends back 50 feet. No land disturbing activity can occur within this buffer zone.

In addition, no impervious cover (a surface that does not allow water to penetrate into the ground) is allowed withing 150 feet of the water's edge on both sides of the stream. Earth moving activity should also be minimized within the setback.

Source: Chattahoochee Hills, Georgia Code of Ordinances

CHATTAHOOCHEE HILLS - ZONING ORDINANCES

The full code of ordinances for Chattahoochee Hills can be found at:
https://library.municode.com/ga/chattahoochee_hills/codes/code_of_ordinances?nodeId=PTIICOOR_CH14LADEENPR

Below is a comprehensive guide to where relevant zoning codes can be found in the Code of Ordinances. (The project site is zoned RL - Rural District.)

Chapter 14 – Land Development and Environmental Protection

Section 14-20: Purpose, states goals for development

- "established goal of retaining its rural and natural character"
- Increase total open space, increase contiguous open space, reduce infrastructure, preserve scenic resources, protecting agricultural activities, improving the connectivity and access to preserved space, and cultivating outdoor recreational opportunities

Section 14-149: Post-development stormwater management performance criteria

- Water quality, stream channel protection, overbank flooding protection, extreme flooding protection, structural stormwater controls

Section 14-177: Land Development Requirements

- Buffer & Setback Requirements: 50 feet on both banks of a stream, an additional 25' setback from this buffer where no impervious cover shall exist and earthmoving be minimized

Section 14-178: Compatibility with other buffer regulations and requirements

- Metropolitan River Protection Act and Chattahoochee Corridor Plan requires a 50-foot undisturbed vegetative buffer and 150-foot impervious surface setback on the Chattahoochee and its impoundments and a 35-foot undisturbed vegetative buffer (all measured from the edge of the water) on perennial tributary streams in a Corridor extending 2,000 feet from either bank of the river and its impoundments.
- See zoning document for more rules

Section 14-209: Minimum Requirements for Soil Management & Erosion Control

Section 14-245: Tree Protection

Chapter 20 – Parks and Recreation

- Section 20-19: all these rules & regulations for operation of the park
- Includes guidelines for ticketed events such as FESTIVALS

Chapter 35 – Zoning – Article VI – Public Realm and Open Spaces

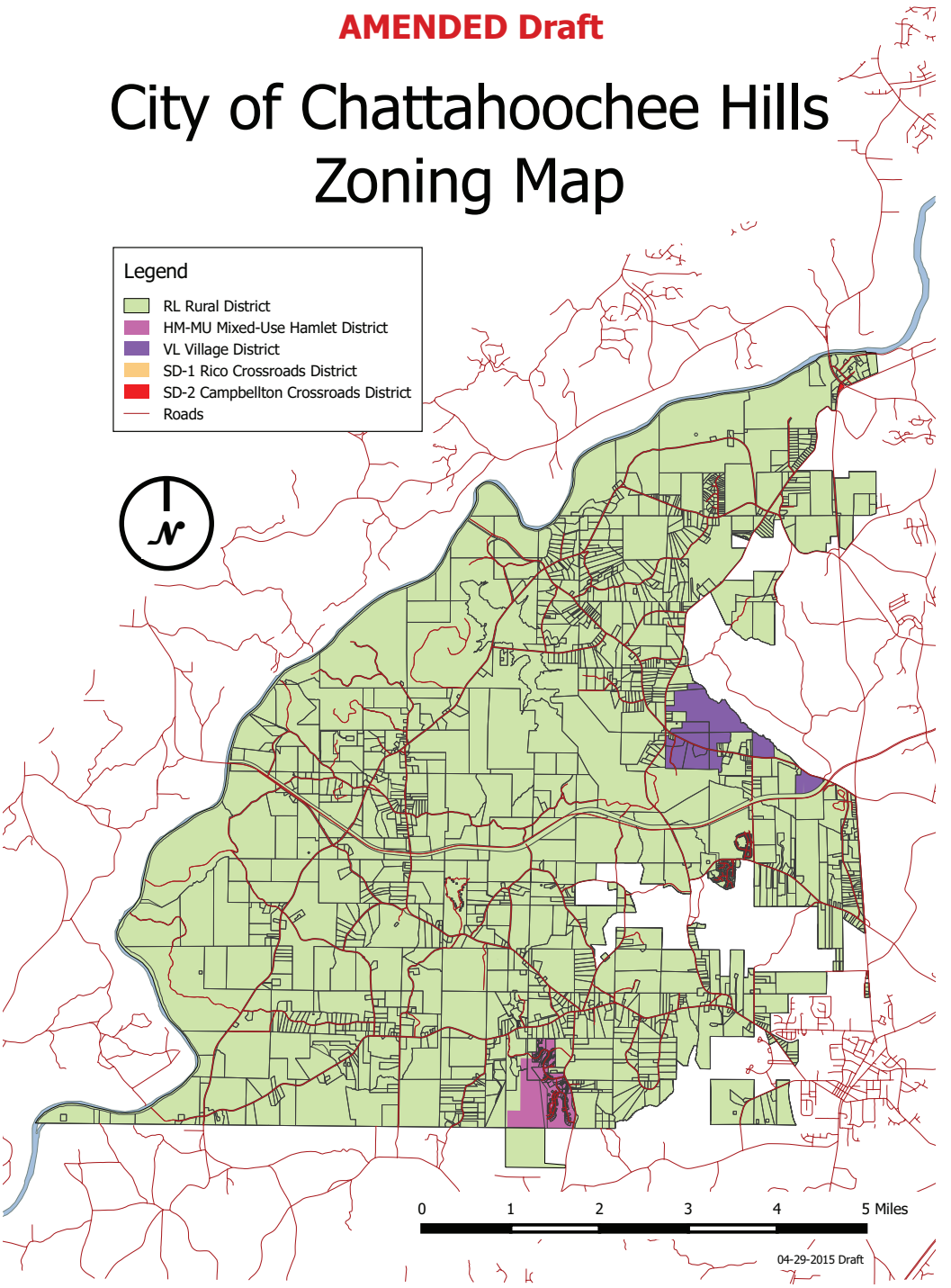
- This section outlines rules, requirements, and general purposes for open spaces

2016 Comprehensive Plan

- Page 23 map of general proposed zoning

AMENDED Draft

City of Chattahoochee Hills Zoning Map



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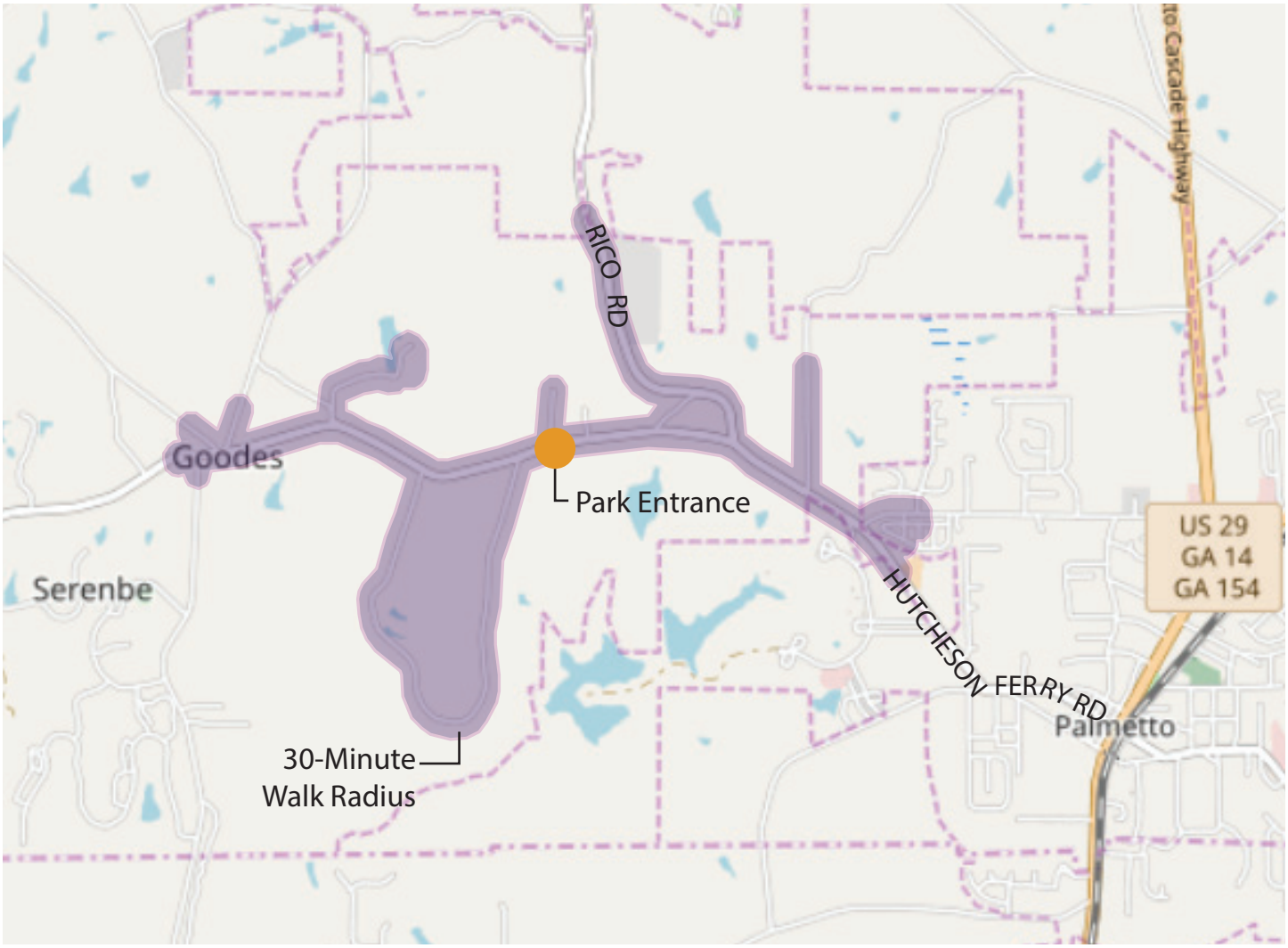
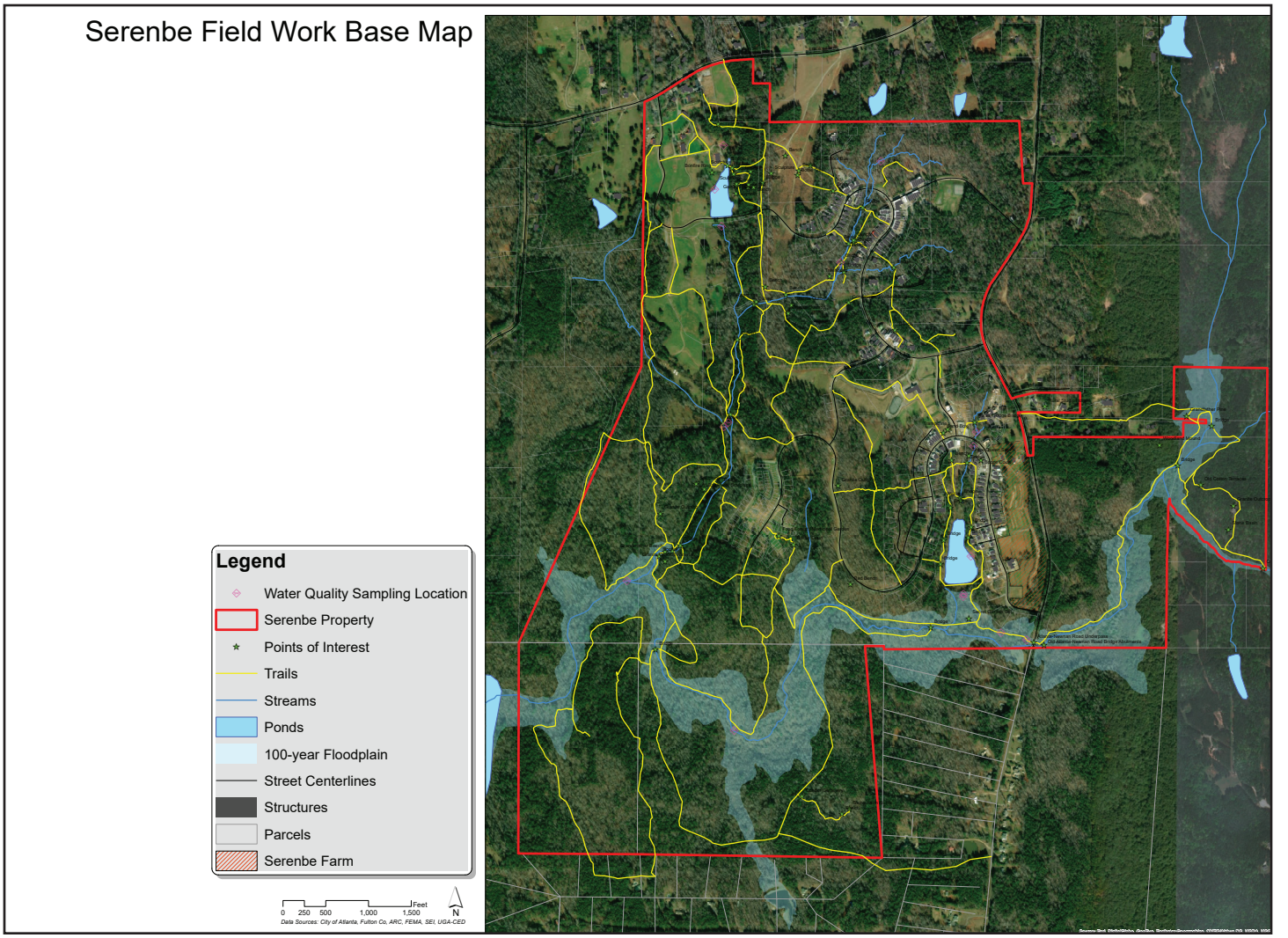


WALKABILITY

Using ArcGIS Geoplanner, an Esri program, we calculated the immediate 30-minute walkable area surrounding the site. The 30-minute walkability study shows the approximate distance a pedestrian could travel by foot in 30 minutes from the entrance of Hutcheson Ferry Park.

Source: GeoPlanner for ArcGIS



SERENBE TRAILS AND TRAIL CONNECTIONS

The CE+D 2018 Summer studio led by Professor Alfred Vick took an inventory of the existing trails within Serenbe property. Some of these trails lead towards Hearn Road and could serve as a possible connection from Serenbe to Hutcheson Ferry Park. The easternmost trails leading from Serenbe may be within the 30-Minute Walkability Radius.

Source: The University of Georgia, College of Environment and Design

USDA SOIL DATA

Source: USGS Natural Resources Conservation Service

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AaB	Altavista sandy loam, 2 to 6 percent slopes	8.1	1.7%
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	39.6	8.4%
CeB2	Cecil sandy loam, 2 to 6 percent slopes, moderately eroded	6.4	1.4%
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	33.4	7.1%
PaB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	15.3	3.2%
PgC2	Pacolet-Saw complex, 6 to 10 percent slopes, moderately eroded, bouldery	138.3	29.4%
ReD	Rion sandy loam, 10 to 15 percent slopes	117.3	24.9%
RoE	Rion-Louisburg complex, 10 to 20 percent slopes, bouldery	78.8	16.7%
W	Water	33.4	7.1%
Totals for Area of Interest		**470.5**	**100.0%**

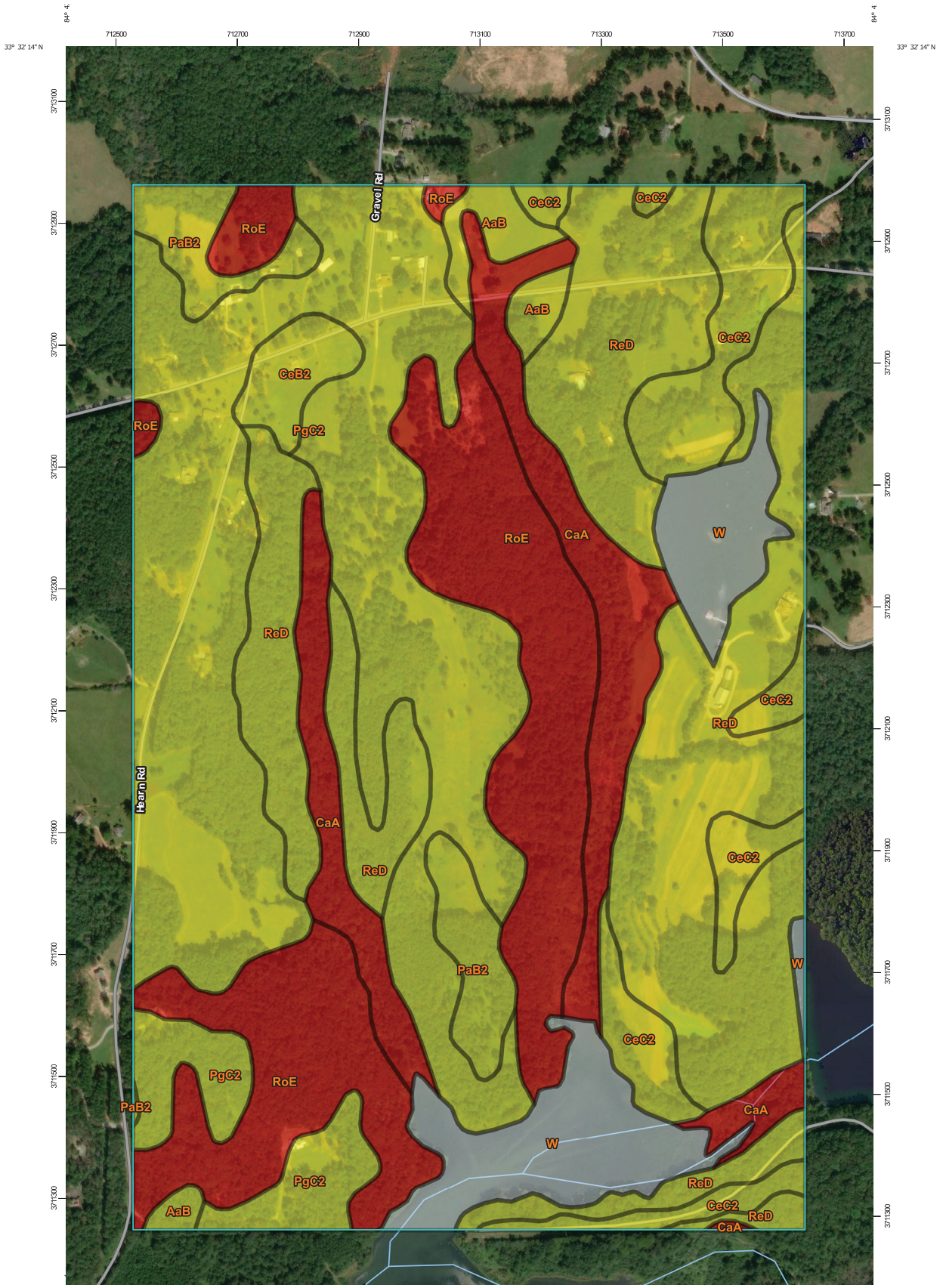
USDA SOIL DATA

The map on the previous page displays the soil suitabilites of the proposed project site in Chattahoochee Hills, GA. The above legend correspnds to the symbols on the map on page 31.

The following pages depict a similar styled map to display soil suitabilites for *particular* uses.

- **"Not limited"** indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected.
- **"Somewhat limited"** indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair perfonnance and moderate maintenance can be expected.
- **"Very limited"** indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Source: USGS Natural Resources Conservation Service



USDA SOIL DATA - UNPAVED LOCAL ROADS AND STREETS

Source: USGS Natural Resources Conservation Service

Chattahoochee Hills

UNIVERSITY OF GEORGIA
College of Environment + Design

USDA SOIL DATA
UNPAVED LOCAL ROADS AND STREETS

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AaB	Altavista sandy loam, 2 to 6 percent slopes	Somewhat limited	Altavista (92%)	Depth to saturated zone (0.22)	8.1	1.7%
				Low strength (0.08)		
				Dusty (0.02)		
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	Very limited	Cartecay (48%)	Flooding (1.00)	39.6	8.4%
				Depth to saturated zone (0.94)		
				Dusty (0.02)		
			Toccoa (45%)	Flooding (1.00)		
				Dusty (0.01)		
			Wehadkee (7%)	Ponding (1.00)		
				Depth to saturated zone (1.00)		
				Flooding (1.00)		
				Dusty (0.06)		
CeB2	Cecil sandy loam, 2 to 6 percent slopes, moderately eroded	Somewhat limited	Cecil, moderately eroded (100%)	Low strength (0.10)	6.4	1.4%
				Dusty (0.07)		
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Somewhat limited	Cecil, moderately eroded (100%)	Low strength (0.10)	33.4	7.1%
				Dusty (0.07)		
PaB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	Somewhat limited	Pacolet, moderately eroded (100%)	Low strength (0.10)	15.3	3.2%
				Dusty (0.07)		
PgC2	Pacolet-Saw complex, 6 to 10 percent slopes, moderately eroded, bouldery	Somewhat limited	Pacolet (75%)	Low strength (0.07)	138.3	29.4%
				Dusty (0.01)		
			Saw (25%)	Depth to hard bedrock (0.97)		
				Low strength (0.10)		
				Dusty (0.01)		
ReD	Rion sandy loam, 10 to 15 percent slopes	Somewhat limited	Rion (100%)	Slope (0.63)	117.3	24.9%
				Dusty (0.02)		
RoE	Rion-Louisburg complex, 10 to 20 percent slopes, bouldery	Very limited	Rion (65%)	Slope (1.00)	78.8	16.7%
				Dusty (0.03)		
			Louisburg (25%)	Slope (1.00)		
				Dusty (0.01)		
W	Water	Not rated	Water (100%)		33.4	7.1%
Totals for Area of Interest					**470.5**	**100.0%**

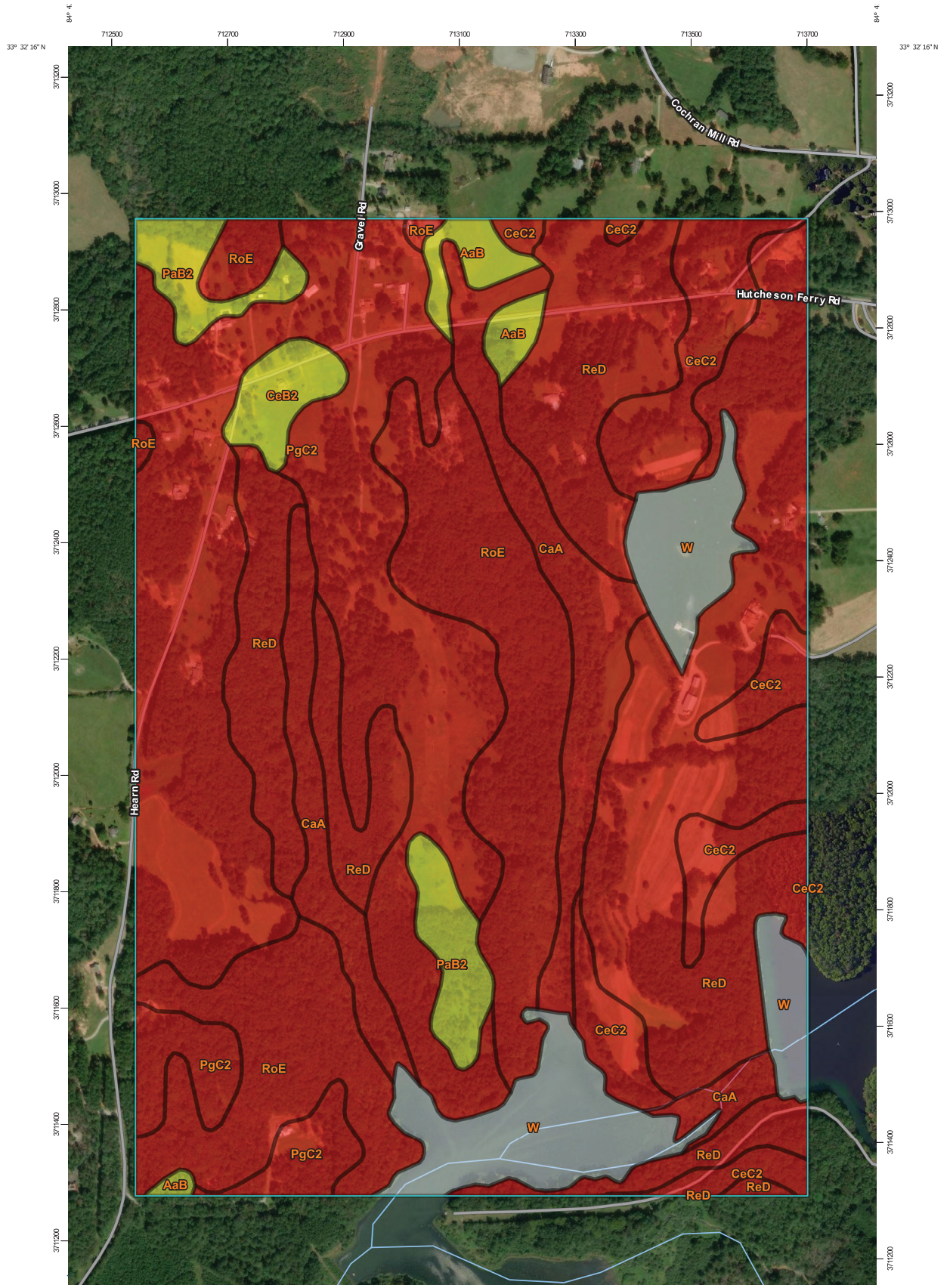
Rating	Acres in AOI	Percent of AOI
Somewhat limited	318.8	67.7%
Very limited	118.4	25.2%
Null or Not Rated	33.4	7.1%
Totals for Area of Interest	**470.5**	**100.0%**

Source: USGS Natural Resources Conservation Service

Unpaved local roads and streets are those roads and streets that carry traffic year round but have a graded surface of local soil material or aggregate.

The roads and streets consist of :
(1) the underlying local soil material, either cut or fill, which is called “the subgrade”;
(2) the surface, which may be the same as the subgrade or may have aggrate such as crushed limestone added.

They are graded to shed water, and conventional drainage measures are provided. These roads and streets are built mainly from the soil at the site. Soil interpretations for local roads and streets are used as a tool in evaluating soil suitability and identifying soil limitations for the practice. The rating is for soils in their present condition and does not consider present land use. Soil properties and qualities that affect local roads and streets are those that influence the ease of excavation and grading and the traffic-supporting capacity. The properties and qualities that affect the ease of excavation and grading are hardness of bedrock or a cemented pan, depth to bedrock or a cemented pan, depth to a water table, flooding, the amount of large stones, and slope. The properties that affect traffic-supporting capacity are soil strength as inferred from the MSHTO group index and the Unified classification, subsidence, shrink-swell behavior, potential frost action, and depth to the seasonal high water table. The dust generating tendacy of the soil is also considered.



USDA SOIL DATA - SMALL COMMERCIAL BUILDINGS

Source: USGS Natural Resources Conservation Service

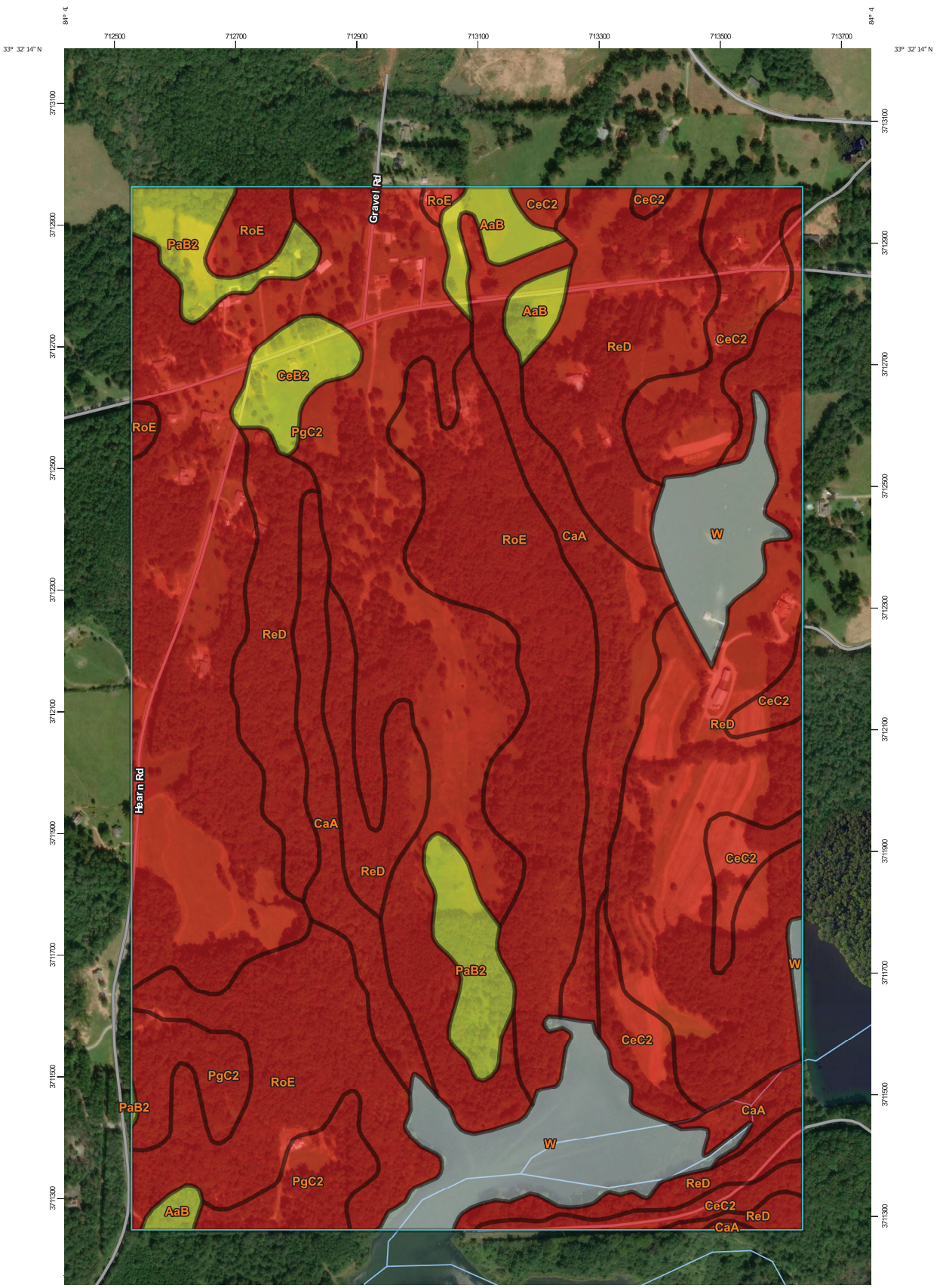
USDA SOIL DATA
SMALL COMMERCIAL BUILDINGS

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AaB	Altavista sandy loam, 2 to 6 percent slopes	Somewhat limited	Altavista (92%)	Depth to saturated zone (0.44)	7.4	1.5%
				Slope (0.00)		
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	Very limited	Cartecay (48%)	Flooding (1.00)	39.6	8.2%
				Depth to saturated zone (1.00)		
			Toccoa (45%)	Flooding (1.00)		
			Wehadkee (7%)	Ponding (1.00)		
				Flooding (1.00)		
				Depth to saturated zone (1.00)		
CeB2	Cecil sandy loam, 2 to 6 percent slopes, moderately eroded	Somewhat limited	Cecil, moderately eroded (100%)	Slope (0.00)	6.4	1.3%
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Very limited	Cecil, moderately eroded (100%)	Slope (1.00)	35.8	7.4%
PaB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	Somewhat limited	Pacolet, moderately eroded (100%)	Slope (0.00)	14.6	3.0%
PgC2	Pacolet-Saw complex, 6 to 10 percent slopes, moderately eroded, bouldery	Very limited	Pacolet (75%)	Slope (1.00)	131.4	27.2%
			Saw (25%)	Slope (1.00)		
				Depth to hard bedrock (0.97)		
ReD	Rion sandy loam, 10 to 15 percent slopes	Very limited	Rion (100%)	Slope (1.00)	133.2	27.6%
RoE	Rion-Louisburg complex, 10 to 20 percent slopes, bouldery	Very limited	Rion (65%)	Slope (1.00)	77.1	16.0%
			Louisburg (25%)	Slope (1.00)		
W	Water	Not rated	Water (100%)		37.1	7.7%
Totals for Area of Interest					**482.6**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Very limited	417.2	86.4%
Somewhat limited	28.4	5.9%
Null or Not Rated	37.1	7.7%
Totals for Area of Interest	**482.6**	**100.0%**

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification of the soil). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Source: USGS Natural Resources Conservation Service



USDA SOIL DATA - PLAYGROUNDS

Source: USGS Natural Resources Conservation Service

Chattahoochee Hills

UNIVERSITY OF GEORGIA
College of Environment + Design

USDA SOIL DATA
PLAYGROUNDS

Playgrounds are areas used intensively for games, such as baseball and football, and similar activities. Playgrounds require soils that are nearly level, are free of stones, and can withstand intensive foot traffic.

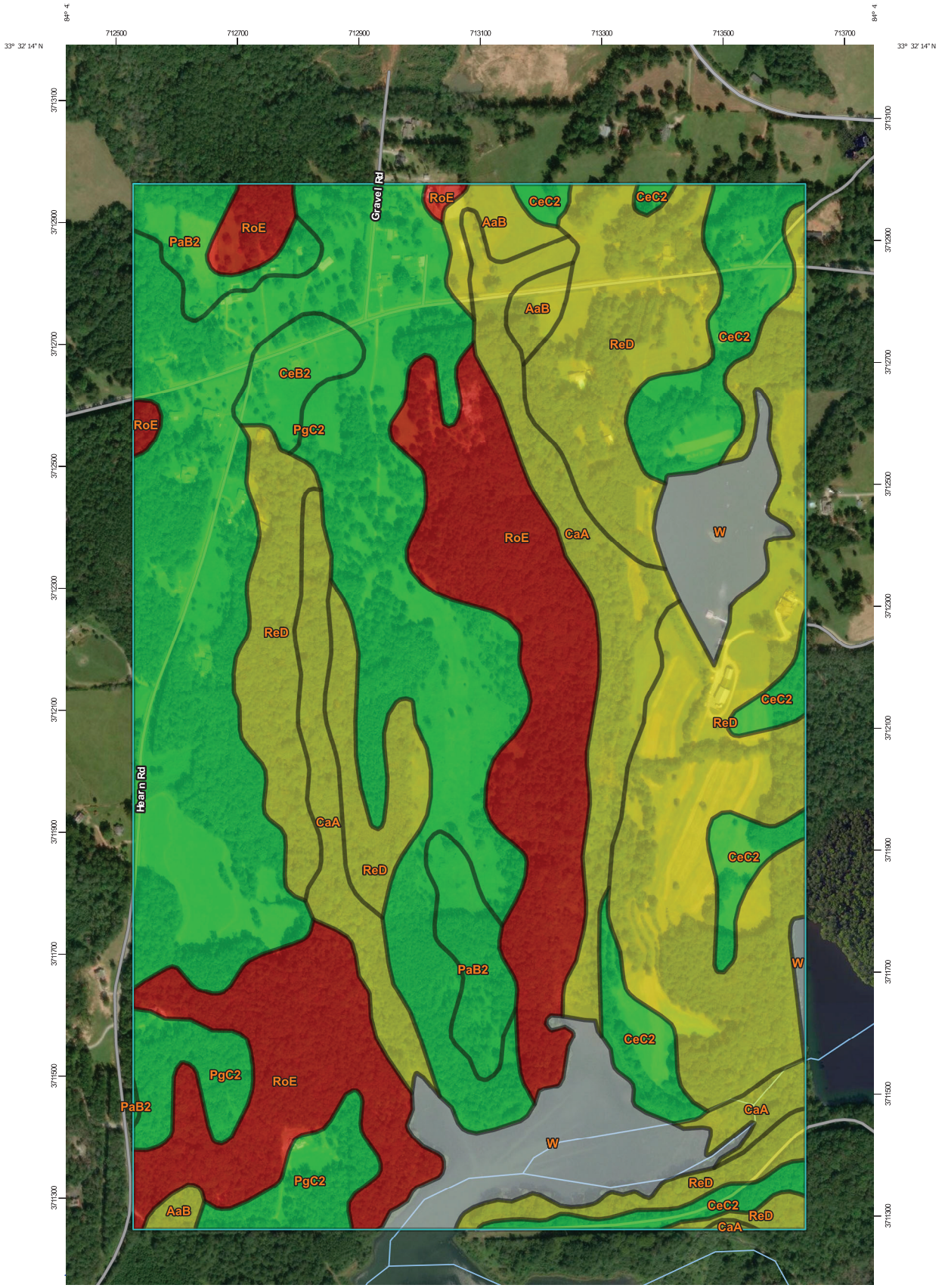
The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and presence of large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AaB	Altavista sandy loam, 2 to 6 percent slopes	Somewhat limited	Altavista (92%)	Slope (0.50)	8.1	1.7%
				Depth to saturated zone (0.44)		
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	Very limited	Cartecay (48%)	Depth to saturated zone (1.00)	39.6	8.4%
				Flooding (0.60)		
			Wehadkee (7%)	Depth to saturated zone (1.00)		
				Ponding (1.00)		
				Flooding (0.60)		
CeB2	Cecil sandy loam, 2 to 6 percent slopes, moderately eroded	Somewhat limited	Cecil, moderately eroded (100%)	Slope (0.50)	6.4	1.4%
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Very limited	Cecil, moderately eroded (100%)	Slope (1.00)	33.4	7.1%
PaB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	Somewhat limited	Pacolet, moderately eroded (100%)	Slope (0.50)	15.3	3.2%
PgC2	Pacolet-Saw complex, 6 to 10 percent slopes, moderately eroded, bouldery	Very limited	Pacolet (75%)	Slope (1.00)	138.3	29.4%
				Gravel (0.34)		
			Saw (25%)	Slope (1.00)		
				Depth to bedrock (0.97)		
				Gravel (0.24)		
ReD	Rion sandy loam, 10 to 15 percent slopes	Very limited	Rion (100%)	Slope (1.00)	117.3	24.9%
RoE	Rion-Louisburg complex, 10 to 20 percent	Very limited	Rion (65%)	Slope (1.00)	78.8	16.7%
				Gravel (0.37)		
			Louisburg (25%)	Slope (1.00)		
	slopes, bouldery			Gravel (0.72)		
W	Water	Not Rated	Water (100%)		33.4	7.1%
Totals for Area of Interest					**470.5**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Very limited	407.4	86.6%
Not Rated	33.4	7.1%
Somewhat limited	29.7	6.3%
Null or Not Rated	33.4	7.1%
Totals for Area of Interest	**470.5**	**100.0%**

Source: USGS Natural Resources Conservation Service

Chattahoochee Hills
UNIVERSITY OF GEORGIA College of Environment + Design



USDA SOIL DATA - PICNIC AREAS

Source: USGS Natural Resources Conservation Service

Chattahoochee Hills

UNIVERSITY OF GEORGIA
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USDA SOIL DATA
PICNIC AREAS

Picnic areas are natural or landscaped tracts used primarily for preparing meals and eating outdoors. These areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas.

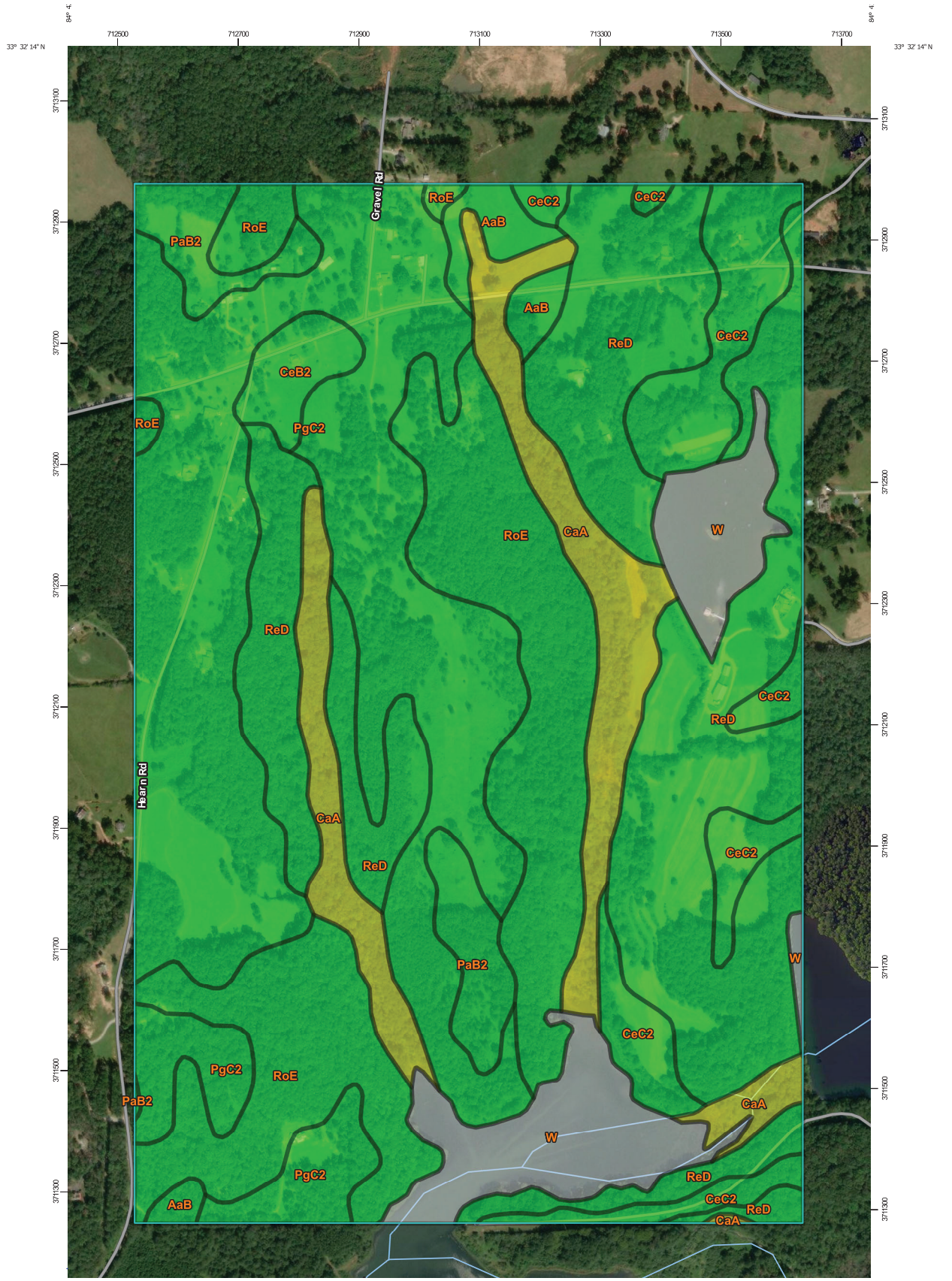
The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and presence of large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AaB	Altavista sandy loam, 2 to 6 percent slopes	Somewhat limited	Altavista (92%)	Depth to saturated zone (0.22)	8.1	1.7%
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	Somewhat limited	Cartecay (48%)	Depth to saturated zone (0.94)	39.6	8.4%
CeB2	Cecil sandy loam, 2 to 6 percent slopes, moderately eroded	Not limited	Cecil, moderately eroded (100%)		6.4	1.4%
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Not limited	Cecil, moderately eroded (100%)		33.4	7.1%
PaB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	Not limited	Pacolet, moderately eroded (100%)		15.3	3.2%
PgC2	Pacolet-Saw complex, 6 to 10 percent slopes, moderately eroded, bouldery	Not limited	Pacolet (75%)		138.3	29.4%
			Saw (25%)			
ReD	Rion sandy loam, 10 to 15 percent slopes	Somewhat limited	Rion (100%)	Slope (0.63)	117.3	24.9%
RoE	Rion-Louisburg complex, 10 to 20 percent slopes, bouldery	Very limited	Rion (65%)	Slope (1.00)	78.8	16.7%
			Louisburg (25%)	Slope (1.00)		
W	Water	Not Rated	Water (100%)		33.4	7.1%
Totals for Area of Interest					**470.5**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Not limited	193.4	41.1%
Somewhat limited	165.0	35.1%
Very limited	78.8	16.7%
Not Rated	33.4	7.1%
Null or Not Rated	33.4	7.1%
Totals for Area of Interest	**470.5**	**100.0%**

Source: USGS Natural Resources Conservation Service

Chattahoochee Hills
UNIVERSITY OF GEORGIA College of Environment + Design



USDA SOIL DATA - PATHS AND TRAILS

Source: USGS Natural Resources Conservation Service

Chattahoochee Hills

UNIVERSITY OF GEORGIA
College of Environment + Design

USDA SOIL DATA
PATHS AND TRAILS

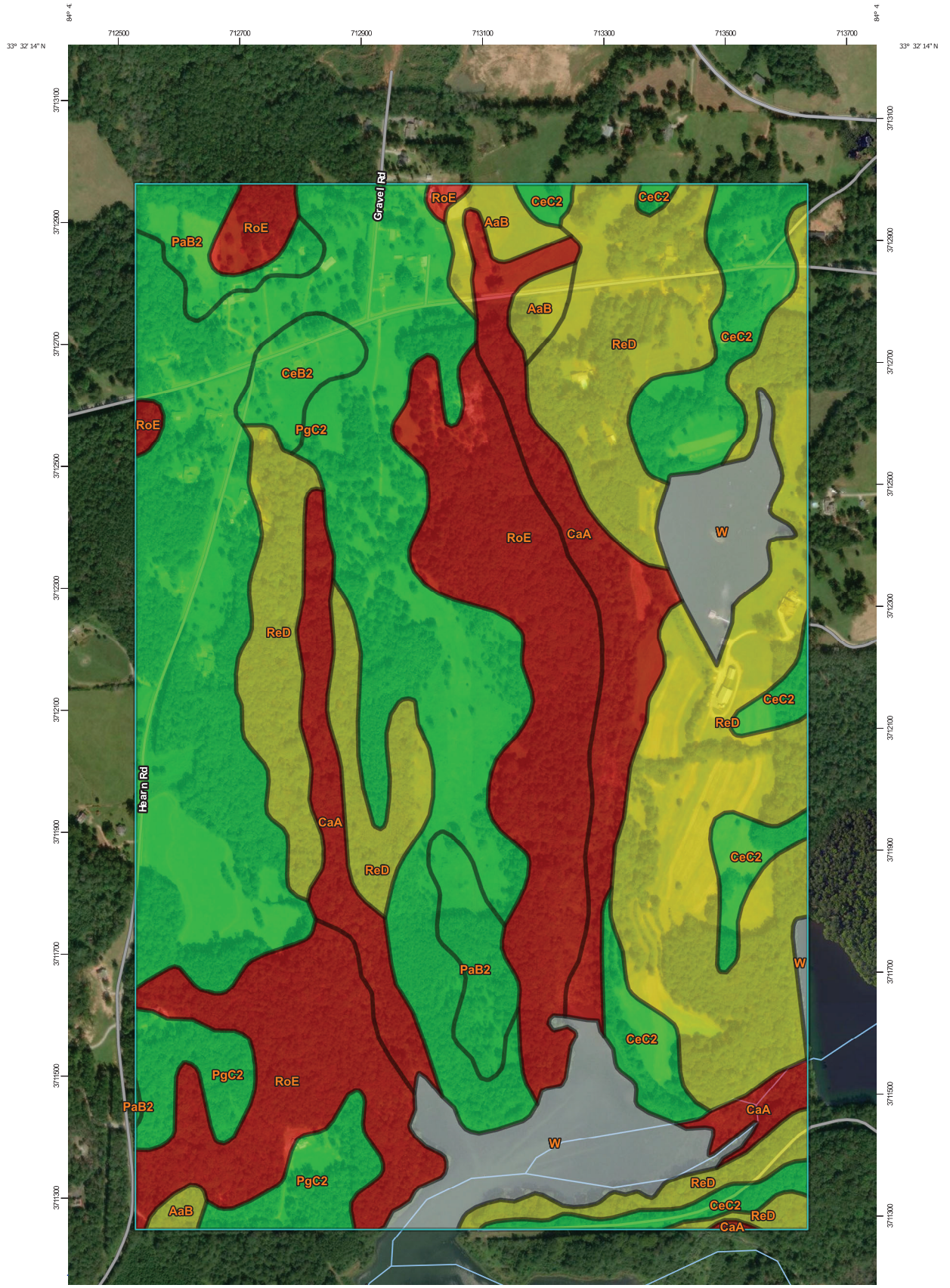
Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling.

The ratings are based on the soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AaB	Altavista sandy loam, 2 to 6 percent slopes	Not limited	Altavista (92%)		8.1	1.7%
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	Somewhat limited	Cartecay (48%)	Depth to saturated zone (0.86)	39.6	8.4%
CeB2	Cecil sandy loam, 2 to 6 percent slopes, moderately eroded	Not limited	Cecil, moderately eroded (100%)		6.4	1.4%
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Not limited	Cecil, moderately eroded (100%)		33.4	7.1%
PaB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	Not limited	Pacolet, moderately eroded (100%)		15.3	3.2%
PgC2	Pacolet-Saw complex, 6 to 10 percent slopes, moderately eroded, bouldery	Not limited	Pacolet (75%)		138.3	29.4%
			Saw (25%)			
ReD	Rion sandy loam, 10 to 15 percent slopes	Not limited	Rion (100%)		117.3	24.9%
RoE	Rion-Louisburg complex, 10 to 20 percent slopes, bouldery	Not limited	Rion (65%)		78.8	16.7%
			Louisburg (25%)			
W	Water	Not Rated	Water (100%)		33.4	7.1%
Totals for Area of Interest					**470.5**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Not limited	397.5	84.5%
Somewhat limited	39.6	8.4%
Not Rated	33.4	7.1%
Null or Not Rated	33.4	7.1%
Totals for Area of Interest	**470.5**	**100.0%**

Source: USGS Natural Resources Conservation Service



USDA SOIL DATA - CAMP AREAS

Source: USGS Natural Resources Conservation Service

Chattahoochee Hills

UNIVERSITY OF GEORGIA
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USDA SOIL DATA
CAMP AREAS

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AaB	Altavista sandy loam, 2 to 6 percent slopes	Somewhat limited	Altavista (92%)	Depth to saturated zone (0.44)	8.1	1.7%
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	Very limited	Cartecay (48%)	Depth to saturated zone (1.00)	39.6	8.4%
				Flooding (1.00)		
			Toccoa (45%)	Flooding (1.00)		
			Wehadkee (7%)	Depth to saturated zone (1.00)		
				Flooding (1.00)		
				Ponding (1.00)		
CeB2	Cecil sandy loam, 2 to 6 percent slopes, moderately eroded	Not limited	Cecil, moderately eroded (100%)		6.4	1.4%
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	Not limited	Cecil, moderately eroded (100%)		33.4	7.1%
PaB2	Pacolet sandy loam, 2 to 6 percent slopes, moderately eroded	Not limited	Pacolet, moderately eroded (100%)		15.3	3.2%
PgC2	Pacolet-Saw complex, 6 to 10 percent slopes, moderately eroded, bouldery	Not limited	Pacolet (75%)		138.3	29.4%
			Saw (25%)			
ReD	Rion sandy loam, 10 to 15 percent slopes	Somewhat limited	Rion (100%)	Slope (0.63)	117.3	24.9%
RoE	Rion-Louisburg complex, 10 to 20 percent slopes, bouldery	Very limited	Rion (65%)	Slope (1.00)	78.8	16.7%
			Louisburg (25%)	Slope (1.00)		

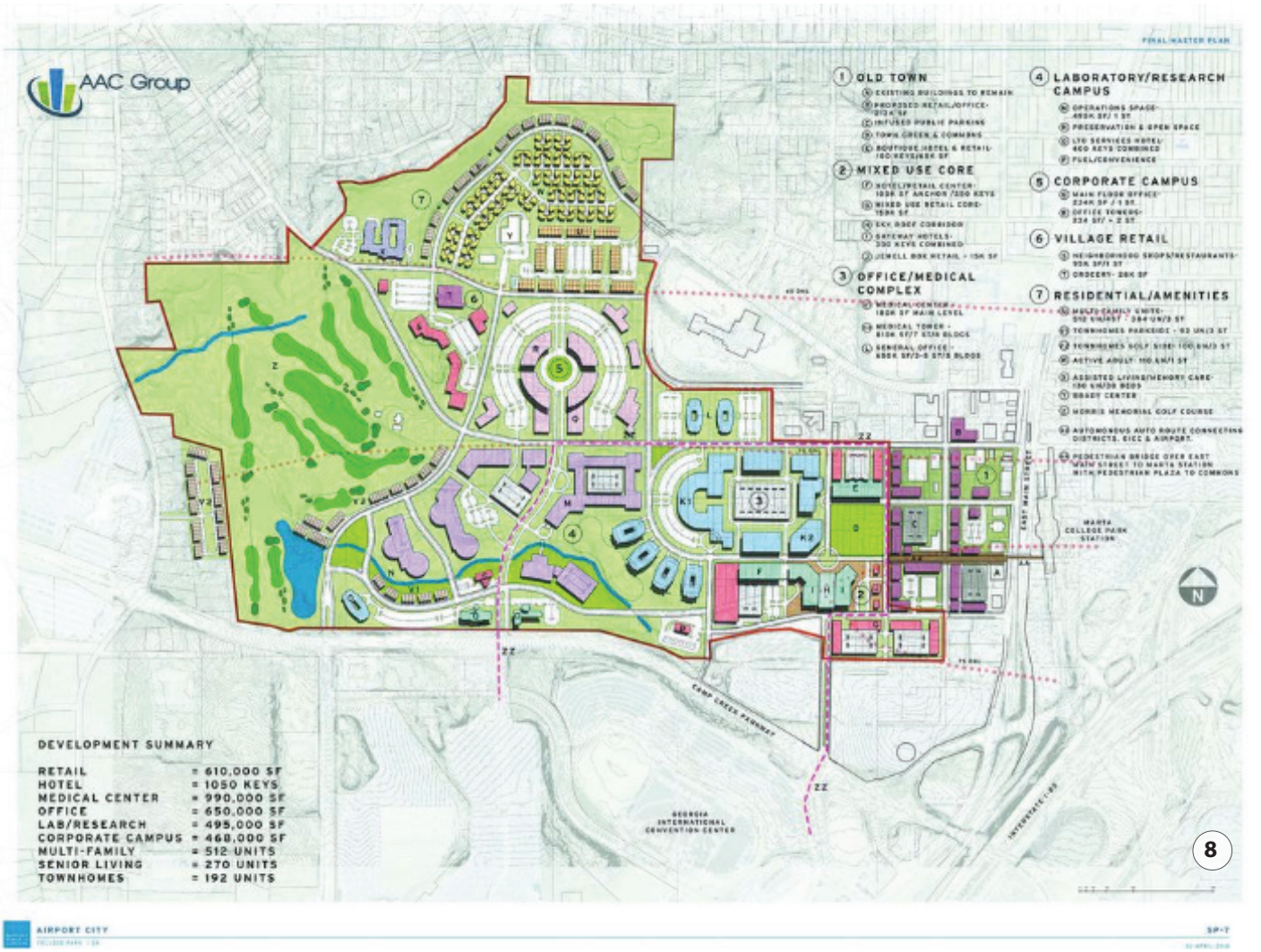
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
W	Water	Not Rated	Water (100%)		33.4	7.1%
Totals for Area of Interest					**470.5**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Not limited	193.4	41.1%
Somewhat limited	125.4	26.6%
Very limited	118.4	25.2%
Not Rated	33.4	7.1%
Null or Not Rated	33.4	7.1%
Totals for Area of Interest	**470.5**	**100.0%**

Camp areas are tracts of land used intensively as sites for tents, trailers, campers, and the accompanying activities of outdoor living. Camp areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic.

The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas. The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, saturated hydraulic conductivity (Ksat), and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, Ksat, and toxic substances in the soil.

Source: USGS Natural Resources Conservation Service

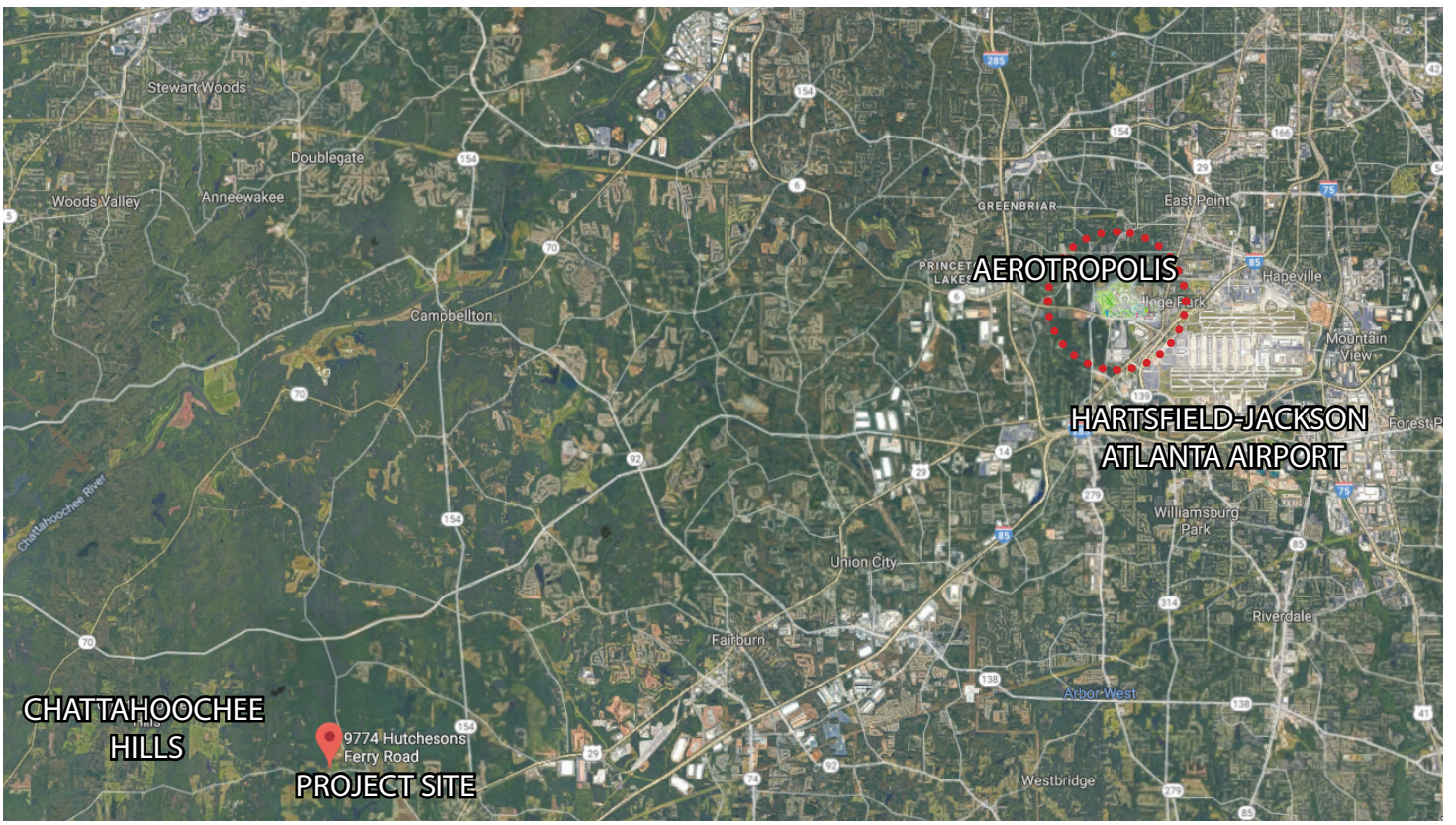


AEROTROPOLIS

Aerotropolis Atlanta is a development plan for the Southside of Atlanta centering on Hartsfield Jackson airport. This development will obviously have an impact on the number of people who might use Hutcheson Ferry Park in the future. When complete, Aerotropolis Atlanta will have the following local economic impacts:

- More than 63,000 jobs onsite
- Direct economic impact of $34.8 billion on metro Atlanta (as of last economic impact study)
- Direct economic impact of $70.9 billion on Georgia (as of last economic impact study)
- Moves more than 280,000 passengers (2017) and 1,800 metric tons of cargo (2017) daily
- Served more than 100 million passengers in 2015 (the first airport to do so)
- 80% of the U.S. Population is within a two-hour flight of Atlanta
- Nonstop service to more than 150 U.S. destinations
- Nonstop service to more than 70 international destinations in more than 50 countries
- More than 200 freight-forwarders, both domestic and international
- World's busiest and most efficient airport

Source: https://aeroatl.org/



AEROTROPOLIS LOCATION IN RELATION TO PROJECT SITE

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4.
INITIAL DESIGN CONCEPTS

Initial Design Concepts

Our class used the information we gathered during the Chattahoochee Hills design charrette, precedent studies, and site analysis to create 14 initial masterplan concepts. We presented these concepts to Mayor Tom Reed, Parks Commission Chair Diana Wilson, Public Works Director Darold Wendlandt and Parks Commissioner Tom Blum. Mayor Reed and company took the concepts back to Chattahoochee Hills for further discussion and analysis.

In the end, the city felt that 5 of the 14 concepts aligned well with their goals. The 5 final concepts and all supporting graphics can be found on the following pages of this section. The remaining 9 concepts can be found in the appendix.

Hutcheson Ferry Park

1. Park Entrance
2. Pony Trailhead
3. Overflow & Horse Trailer Parking
4. Northern Pony Camp
5. Gathering Space with Pavilions, Food Trucks, and Play Area
6. Main Parking - 200 cars
7. Sculpture Walk
8. 650-seat Amphitheater
9. Hiking Trail
10. High-Point Walk
11. Flower Garden
12. Multi-Use Bike Path
13. Meadow
14. Southern Pony Camp
15. Sculptural Restroom
16. Mini Stage

This design is inspired by driving down a rural highway on a sunny spring day. I envisioned fields of natural wildflowers and tall native trees providing shade for visitors. Trails for people, bikes, and even horses, connect throughout the site, allowing for exploration and adventure. An opportunity to celebrate sculptural and environmental art adds color and creativity to the landscape. Hutcheson Ferry Park will be known as a place for families, friends, music, art, and more.

200 0 200 400 ft.

Shaelyn Vering
LAND 4060S
Professor Longenecker
Spring 2019

Hutcheson Ferry Park

Celebrating Native Plants

Flower Gardens

The Flower Gardens at Hutcheson Ferry Park will be known as the ideal location for engagement photos, senior photos, and for parents to catch memories of their kids before they grow up. The gardens will also serve an educational purpose by providing an opportunity to showcase native plants and tagging these beautiful plants so hikers can learn their names. A paved path will lead to the high point of the site where children and gradparents alike can relax on benches, soak up the view, and enjoy the fragrance of beautiful blooms.

Meadow

The Meadow will soon be home to hundreds of pollinators that help our gardens grow. Big swatches of color will be seen all across the park, inviting visitors to get lost in waves of wildflowers. The large meadow at the south end of the park will have mowed paths, to keep the space natural and organic but also invite people to explore this vibrant ecosystem.

Sculpture Walk

The Sculpture Walk will be a great opportunity to showcase local environmental art projects and support local artists. Beds of wildflowers offer the perfect home for all kinds of sculptures, and add a new level of excitement to your everyday walk in the park.

Exploring the Great Outdoors

Multi-Use Bike Path

In order to keep Hutcheson Ferry Park from being cluttered with automobiles, the main road through the site is for service & emergencies only. Bikers & hikers will be the primary travelers of this wide, paved path. Dividing lines painted on the asphalt will ensure that the route stays safe for speedy bikers and casual strollers alike.

Hiking Trails

The bulk of unpaved hiking trails weave around the high point of the park, through tall trees and gardens that can be an extension of the botanical garden, to include larger plants and trees. The paths offer great views of the site, and benches throughout the route provide niches to relax in nature.

Pony Trails & Camps

What makes a walk in the park even more fun? Bringing your horse with you! The unpaved overflow parking lot at the trailhead of the pony path is convenient for horse trailers, and hitching posts with hydrants along the path ensure that you and your equine friends stay hydrated. The path is comfortably separated from biking & hiking trails so that horses aren't accidentally spooked by other park-goers, but they are integrated at the Meadow & Food Truck Pavillions so riders can keep an eye on their ponies while basking in the wildflowers or enjoying a tasty lunch.

Family & Community

Playground & Picnic Areas

On the other side of the food truck road, a space to let your kids run crazy is waiting. A large, naturalistic playground engages kids and inspires them to build, climb, and explore the environment around them. Shaded lawn areas offer comfortable spaces for parents to relax and ensure that they don't miss a single moment with their family - Hutcheson Ferry Park will be a place filled with happy memories for families & community.

Restrooms

Spreading small restrooms throughout the site as sculptural installations has many benefits. They will be more accessible throughout the site, won't take up as much swaure footage in one space, and create an opportunity for local artists and designers to shine. Visitors to the park will love discovering these artistic restrooms along paths and around corners.

Pavillions & Food Trucks

Probably one of the most instagrammable places in America is Magnolia Silos in Waco, Texas. With that rustic farmhouse style & chalkboard lettering, their food trucks are irresistable. To top it off, the food is delicious. Let's tailor the details to create a patio and picnic space that will be all over the 'gram by trying bold prints on picnic tables and hanging string lights overhead.

Chattahoochee Hills

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Hutcheson Ferry Park

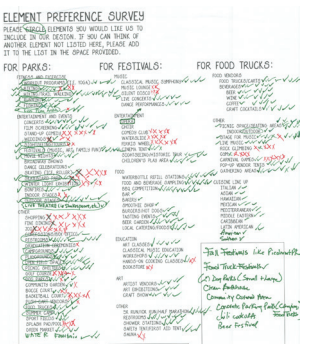
1. Entrance
2. Parking Lot
3. Granite Outcrop
4. Multi-Use Trail
5. Food Truck Parking
6. Gathering Space
7. Playground
8. Restrooms
9. Amphitheatre Lawn
10. Performance Pavilion
11. Event/Flex Space
12. Open Field Space

This plan features compact event spaces in order to preserve significant views and the rural character of the site. The major program elements, including the outdoor amphitheatre, playground, and food truck area, utilize existing topography. The main event spaces are multi-purpose, which maximizes use by increasing flexibility. The design of these areas is based off of two circular spaces interlocked by a rectangular patio. The new walking trails increase access throughout the site and give visitors opportunities to experience the natural areas. Overall, this site design aims to provide a variety of uses while preserving significant natural areas.

200 0 200 400 ft.

Kayla Bare
LAND 4060S
Professor Longenecker
Spring 2019

CHATTAHOOCHEE HILLS CHARRETTE



During our visit to Chattahoochee Hills, we met with residents of the city to hear their opinions about what they would like to see on the site. Their concepts and input helped our class by letting us know the potential program elements that we should consider using on the site.

WORD CLOUD

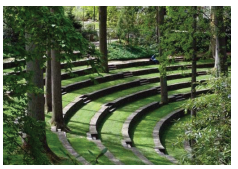
This Word Cloud shows a collection of program elements that the residents of Chattahoochee Hills desire in a park. These responses represent the feedback we recieved on our visual and element preference studies.

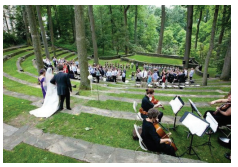
PROGRAM ELEMENTS

⑦ Playground

Because of the rural character of Chattahoochee Hills, the play structures I selected are made of wood and appear organic and unique. These will blend well into the landscape and be more welcoming to people of all ages.

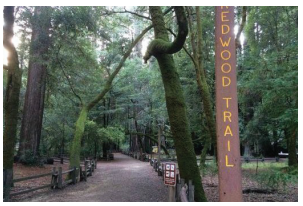
⑨ ⑩ Performance Pavilion and Lawn





I was inspired by the Schlitz Audubon Nature Center Pavilion for use as a stage. It can have many functions when it is not being used for events. For the audience space, a large lawn would allow visitors to set out blankets to sit on and watch performances. As an alternative, a terraced lawn could be used which provides built-in seating.

④ Multi-Use Trails



The major trails should be firm, stable, and slip-resistant to allow easier access.

⑫ Open Field Space

The rolling hills on this site provide wonderful, wide-open views.

⑤ ⑥ Food Truck Area and Gathering Space

Food Truck Event Space:

For food truck events, there should be enough room for 10 food trucks on a half-circle parking area indicated on the plan. Visitors will be able to comfortably queue without lines becoming tangled. Seating spaces nearby would accommodate the event attendees.

Gathering Spaces and Picnic Areas:

The seating spaces and picnic areas should reflect the rural charater of the surrounding area, while providing comfortable places to sit and eat or gather. Wooden picnic pavilions would provide shade while blending in with the forested landscape.

Hutcheson Ferry Park

1. Market Place (Food Truck + Farmer's Market)
2. Picnic Area/ Observation Hill
3. 1,200-seat Amphitheater
4. Playground
5. Biking Trail Head
6. Walking Trail Head
7. Campgrounds/ Outdoor Classrooms
8. Parking
9. Parking
10. Parking
11. Parking
12. Skate Park
13. Dog Park
14. Maintenance Building
15. Welcome Center
16. Open Space
17. Walking Trails with Fitness Stations
18. Biking Trails

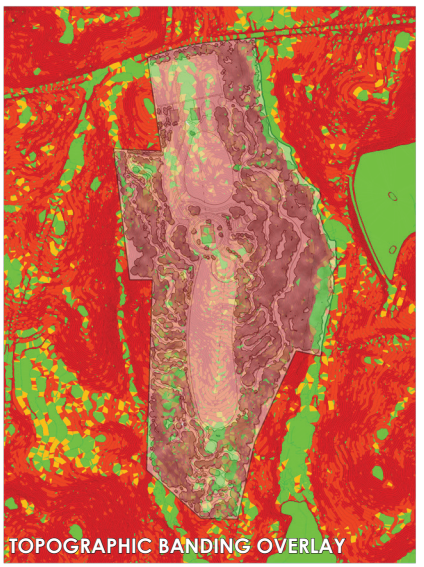
The new Hutcheson Ferry Park is a seamless blend between old and new. This hybrid combines the best of existing topography and vegetation with the new needs of the Chattahoocee Hills Community. The plan's strengths rely on its practicality, cost-effectiveness, and inclusive design.

200 0 200 400 ft.

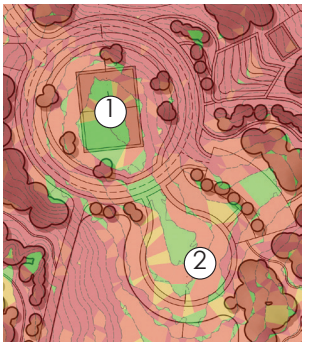
Ben Gladstone
LAND 4060S
Professor Longenecker
Spring 2019

Hutcheson Ferry Park: Design Details

COST EFFECTIVE + PRACTICAL



- **ALLOWING THE TOPOGRAPHY TO INFORM LOCATION OF PROGRAM ELEMENTS:**
  - Buildings including Welcome Center, Maintenance Area, Food Truck Park, and Parking located on or near 0-4% slopes
  - Elements that may require slopes auditorium/stage, Skate park, biking/ walking trails on +10% Slope
  - Proposed Road located mostly on or near 0-4% slope
- **WHY IS THIS IMPORTANT TO YOU?**
  - Less land engineering and grading on the site, which SAVES MONEY
  - Less Land disturbance, which is ENVIRONMENTALLY FRIENDLY
  - Since there will be less land disturbance, IT WILL BE EASIER TO BUILD



In the image above, you can see the (1) Marketplace and (2) the Picnic Area, are both located on a 0%-4% slope

0%-4% SLOPE (STABLE TO BUILD ON)

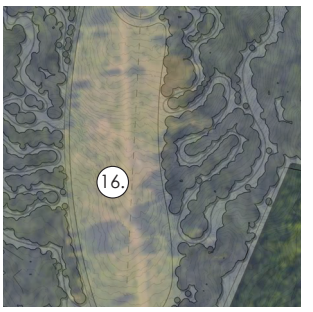
4%-5% SLOPE (STABLE TO BUILD ON)

5%-9% SLOPE (NOT STABLE TO BUILD)

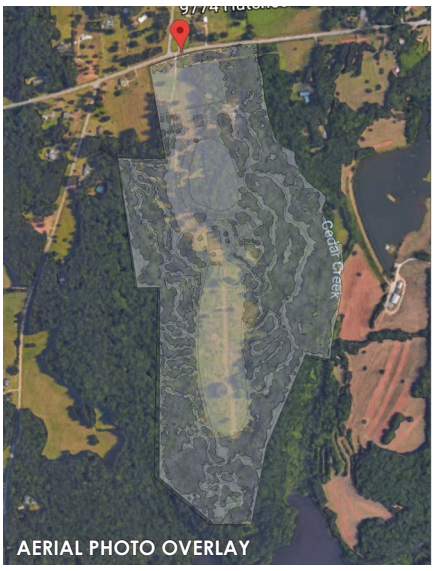
+10% SLOPE (NOT STABLE TO BUILD)

DESIGNED WITH RESPECT- "Preserve the best, and improve the rest" -Will Matson

- The requested design programs, site conditions, and surrounding constituents were all taken into high consideration for the site:
  - Design Programs: Each space within the plan is designed to be multi-use space to maximize the potential uses of the site
  - Site Conditions: The design is aimed to preserve as much of the existing vegetation and topography as possible.
  - Inclusive Design: To make sure the site is accessible to everyone almost all of the trails are designed to be ADA Accessible



In the image above, the (16) Great Lawn in the back of the site has been preserved, however it can also be used as a temporary large gathering space for future events.



CHARACTER IMAGES

Chattahoochee Hills

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Hutcheson Ferry Park

1. Entry Road
2. Entry Sign
3. Labyrinth Garden
4. Covered Pavilion
5. Gazebo
6. Picnic Area
7. Outcrop Overlook
8. Restroom
9. Play Area
10. Main Parking
11. Overflow Grass Parking
12. Service Road
13. Hammock Area
14. Amphitheater
15. Trails

Hutcheson Ferry Park is a space for all occasions. Visitors to this park can enjoy its permanent amenities or seasonal festivals and events. This design creates a space for the community to gather, whether it be families, small group events or city-wide festivals.

200 0 200 400 ft.

Samantha Hentz
LAND 4060S
Professor Longenecker
Spring 2019

1.

2.

Hutcheson Ferry Park already sports ideal hammock property (2,3). Free-standing public hammocks could be installed to make this space one to really hang out in (4).
A more unique and fun alternative to metal swing sets would be net climbing sculptures (4,5).
Clear and defined overflow parking can alleviate traffic related confusion on big event days (6).
A labyrinth instillation in the center of an attractively sturdy park garden adds an artful, yet simple touch to the park (7,8).
The Entry strip allows for vehicle and pedestrian traffic to separate (14).

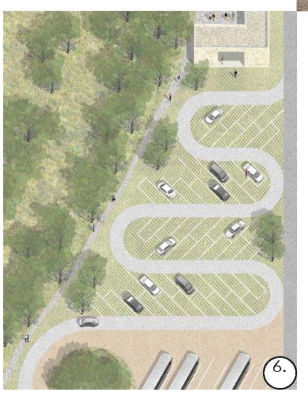
4.

3.

5.

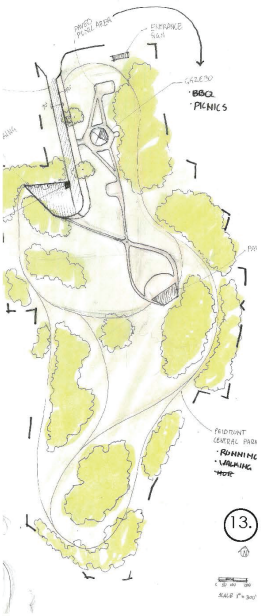
4.

A gazebo stage provides the perfect center spoke for the main activity hub of the park (9). The gazebo and surrounding space offer an iconic postcard portrait of Hutcheson Ferry Park (1, 10).
The entry sign of the park runs along a low brick wall by the main entrance making it more visible to the road zz(11).
A mixture of sod and concrete seating along the amphitheater means there I assured suitable seating, even on soggy days (12).
The figure 8 geometry of the main park area allows for dialogue between the central activity area and amphitheater space (13).


6.

7.

9.



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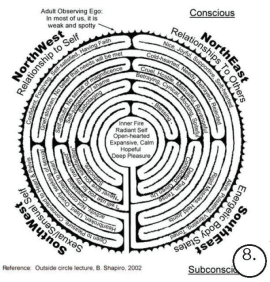

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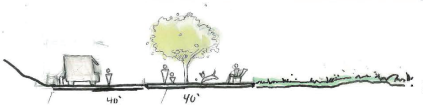

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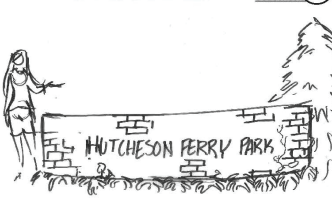

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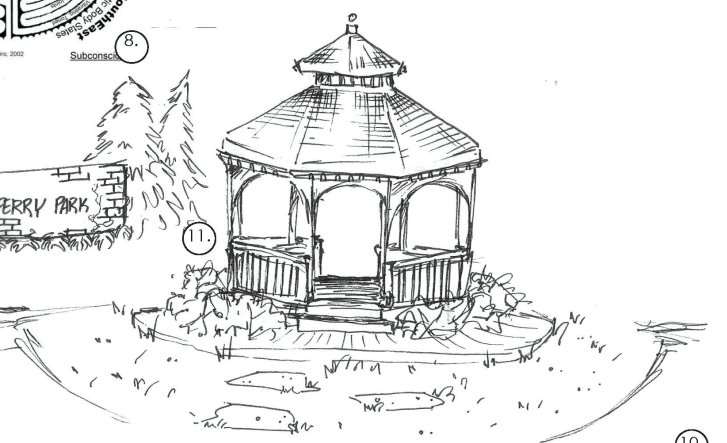
10.

Inspired Design

Process and Reference Photos

Chattahoochee Hills

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Hutcheson Ferry Park

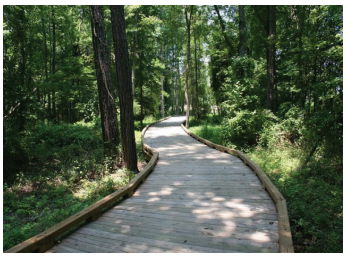
1. Welcome Center
2. Everyday Parking
3. Picnic Areas
4. Main Fitness Station
5. Playgrounds
6. Restrooms
7. Walking/Biking Trail
8. Fitness Stations
9. Main Parking Lot
10. Vendors
11. Food Truck Lineup
12. Seating Area
13. Small Pavilion
14. Campgrounds
15. Great Lawn
16. Main Pavilion

This design for Hutcheson Ferry Park is a natural park that strives to provide new experiences for the community of Chatachoochee Hills. Entering the park, there are two playgrounds for children of different age groups. Special picnic areas are located nearby on a higher elevation, so parents may watch over their children. A main fitness station contributes to maintaining the health and fitness of the community. There are also small fitness stations along the 1.75-mile walking and biking trail. The walking and biking trail is throughout the natural areas of the park, but visitors can receive the full experience of nature by setting up their tents and staying in the campgrounds for the night. Located at the center of the park is an outdoor market area for vendors and food trucks. South of the market area is a great lawn that can be used for a variety of activities. The south end of the park hosts the main pavilion which seats 2,250 people. The 6 acre parking lot will accomodate all parking required for the pavilion. All are welcome to visit Hutcheson Ferry Park, and that visit will create a life long memory.

200 0 200 400 ft.

Stephen Brown
LAND 4060S
Professor Longenecker
Spring 2019

Workout programs were an element that was voted above average on the preference survey. So, not only can programs be hosted on the open lawn but how about a main workout station for all kinds of fitness exercises to do. There can also be small fitness stations along the walking and biking trail for people to stop and stretch. Staying fit and healthy is so important.



A walking trail was the highest priority on the list of preferences. Biking was also high up on the list, so a combination of the two goes well together. The trail is 1.75 miles long with a width of 10 feet to make sure there is planty of space.The traill will be mostly gravel except for the boardwalks that will be used to preserve the granite bedrock or used for the wet areas.

Food trucks are a growing trend and this is the perfect oppurtunity for this community to get involved. The amuont of food trucks needed for the crowd size of special events is 8 to 10 trucks. Having a variety of foods will invite more people and have better sales.

Campgrounds were voted above average on the preference list survey. A vistior to the park can experience the full effect of the park by spending the night. The campgrounds will consist of a space for a tent, picnic table, grill, and a fire pit. It's good to become one with nature.

The most important fetaure of the park is the main pavilion. Having a stage and hosting concerts is a high priority for all and this pavilion will provide a great experience. The pavilion is 20,000 square feet and can host 2,250 people plus overflow on the lawn. The pavilion provides space for dance programs, art exhibits, movie nights, and music festivals.

Having a playground in the park was approved by the majority. Playgrounds will bring many vistiors to the park. Encouraging kids to play is a major principle. There will be two playgrounds located on site, so that the age groups can be split up for the safety of the smaller kids.

Vendors are a key contributor to fetstivals and markets. There is space for any kind of vendor such as arts, food, or crafts. The green market is an event to be hosted in this space as well.

Seating and gathering areas were preferred by most of the locals. Picnic areas serve well in a park and are placed around the playgorunds so that parents can keep an eye on their kids. There is a seating area located in the center of the market space. This area will be well used from the sales of the vendors and food trucks. A small pavilion may be used in case of rain also.

Open field space is really needed in a park and majority of the votes agree. The great lawn which is the length of 3 football fields, will provide enough space for any outdoor activity from playing ball to yoga or even just relaxing and soaking up the warm sun's rays.

5.
FEEDBACK

Feedback

After presenting the initial concepts to Chattahoochee Hills, they provided us with the following feedback:

Goal: To work with students to design a Master Plan for Hutcheson Ferry Park that we like and that the Council will adopt.

General:

- The Master Plan should include an aerial photo overlay (I forget which plan had that feature, but it was very useful – their plan overlaid at 40% over the existing site conditions from Google Maps – which is more useful than the current, incomplete drone footage).
- We would like the plan to fit naturally into the existing park so that we can minimize the cutting trees and the grading of the land.
- We will need to implement the plan in phases, so the idea of the next set being several iterations of the same basic concept, but with phased intensity, makes good sense. More suburban features, like allées, are a better fit for later, more intense phases.
- We need cost estimates.
- Map #9 is probably the best starting point (although I want to walk through these with you, as there are comments on that one, and elements from several others we'd want to average in.

Preferred Features:

- Welcome Center - near the entrance. We like a rustic look.
- Pavilion - in northern third of park, (near the location that we have used in the past for concerts.) We like rustic there, too.
- Amphitheater - located in the natural area southeast of the big hill. We like simple low walls that create grass terraces. Maintainability is a big deal. Structured areas need to be set up for one mower pass without trimming.
- Parking - Regular Parking paved or gravel and overflow parking grass with structure to control parking. Not too much parking (should be scaled to daily uses in a small town rather than to occasional uses like festivals – that's what the overflow (which can be on fields) is for.
- Area for food trucks, or farmers market, or arts and crafts show, etc.
- Restrooms - we like the rustic look. Could be located at Welcome Center, pavilion, and/or amphitheater. (Creative ways to reduce the number of locations will help with cost and maintainability).
- Trails - Natural surface trail around perimeter of property, with loops and secondary trails to interest points. Paved ADA accessible walking trail loop on level grade around hill. Like the idea of activity stations, rest stations, surprise viewpoints, etc., on those trails.
- Boardwalk for viewing rock outcrops (as a part of the paved trail? Think about the pros and cons).
- Wildflower meadow. Pasture trails should be mowed into taller pasture – it's a nice and easy to maintain look.
- Playground
- Small Camping Area – in the woods off of the trail? Very small dedicated parking?
- Labyrinth (and other cool 'surprises.')
- Hammocks? (Trail rest stations?)
- Dog Park?

Feedback

Photos from the idea boards we really liked (thanks to the folks who numbered theirs; that makes this easier!)

#3: 6, 10
#4: 4, 5, 6, 7, 4
#5: 5, 6, 9, 10 (emphasis intentional)
#9: The trails and meadows photos
#12: 14
#13: 5

A couple of other things:

- Make sure that your scale is correct. Some of the parking lots seemed HUGE at the scale.
- Think hard about connectivity between activity centers. People like to meander when they are out for a walk. When they are going to a specific thing from their car? Not so much. Things that people will come to do for a half hour (dog parks, for example) should be closer to parking.
- Remember we do pay-and-display parking. Show where that goes.
- I'm going to be much more the 'demanding customer' next time we meet. Be sure your design shows that you're hearing us.

And THANK YOU ALL.
-Mayor Tom Reed

6.
REVISED MASTER PLAN

Revised Master Plan

After receiving feedback on our initial design concepts, our class split into design teams. One of these teams was dedicated to consolidating the program elements into a revised master plan.

Hutcheson Ferry Park

1. Welcome Center
2. Everyday Parking
3. Food Truck Park
4. Playground
5. Dog Park
6. Camp Grounds
7. Lookout Labyrinth
8. Amphitheater
9. Multi-use Trail
10. Natural Surface Trails
11. Opportunity Niche

200 0 200 400 ft.

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7.
DETAIL AND DESIGN

Detail and Design

These details are a collection of design suggestions for use within the park. They are meant to provide a vision for the possible development of the desired program elements.

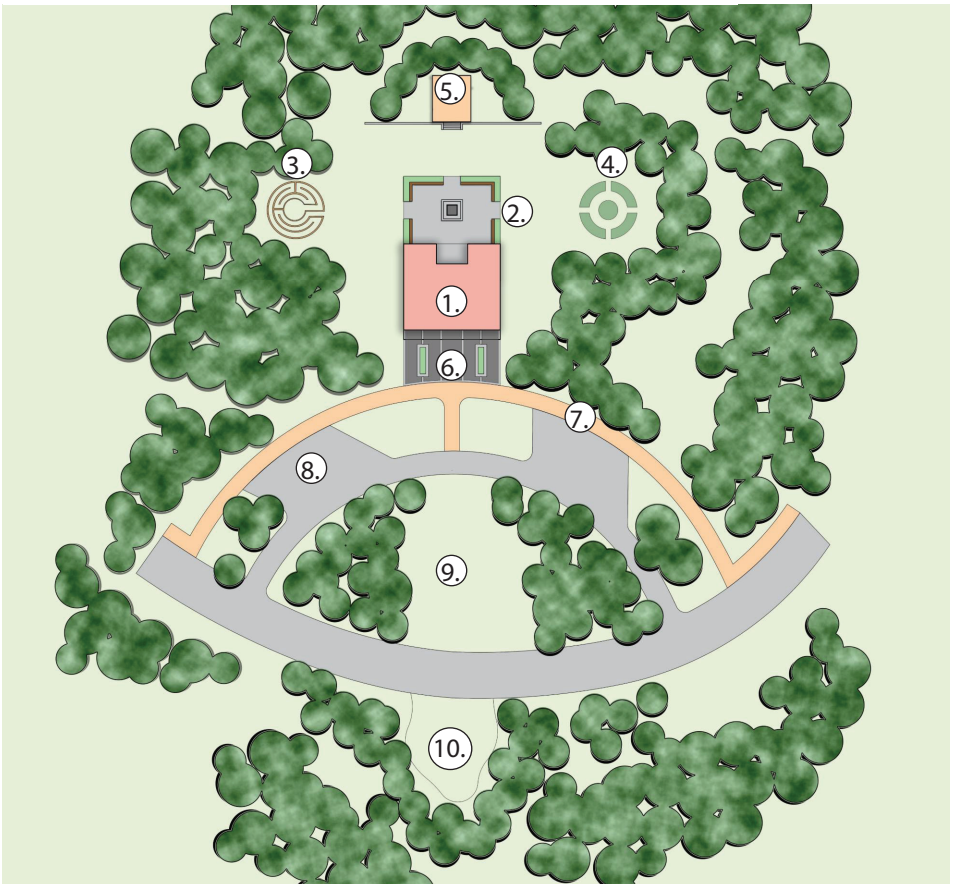
- Visitors Center - pp. 68-70
- Amphitheater - pp. 71-72
- Food Truck - pp. 75-76
- Children's Play Area- pp. 72-78
- Camp Ground - pp. 79-80
- Trail - pp. 81-82
- Opportunity Niche - pp. 83

VISITORS CENTER ENLARGEMENT

NARRATIVE

The new Visitors Center features exhibition spaces, restrooms, storage, offices and outdoor plazas. The facade was inspired by the Redwine Plantation, a historical home located on the same road, but with a modern twist. The first floor is open with lots of light. The second floor encompasses the traditional aspect of the design, with windows and siding akin to Redwine. The back plaza holds space for social and music events, with a stylish fire pit to huddle around in the cold winter months, and a pavilion for small bands. Next to the plaza is a labyrinth and formal garden for residents to explore as they move through the site.

VISITORS CENTER MASTER PLAN



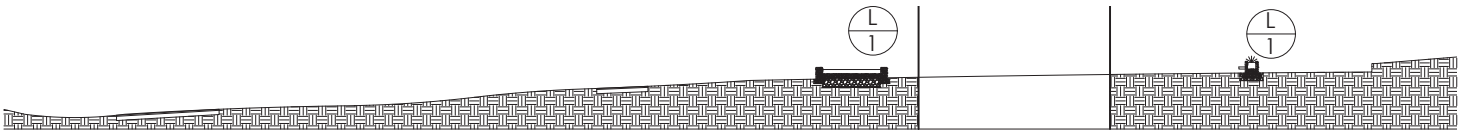
LOCATION MAP

Plan Key

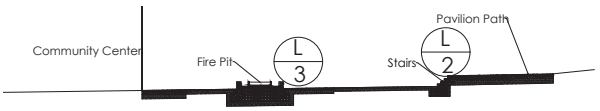
1. Visitors Center
2. Back Plaza
3. Labyrinth
4. Formal Garden
5. Pavilion
6. Front Entrance Plaza
7. Paved Trail
8. Parking
9. Grassy Corridor
10. Sculpture

Visitor's Construction Section

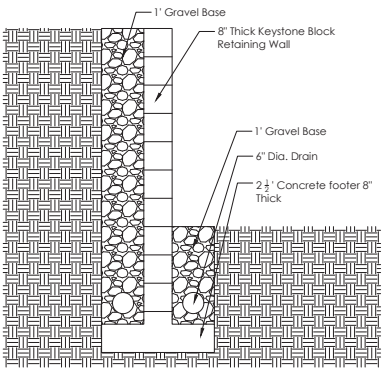
Not for Construction



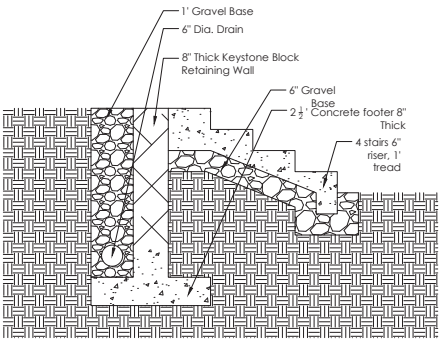
Section A'
Scale: 1" = 1'-0"



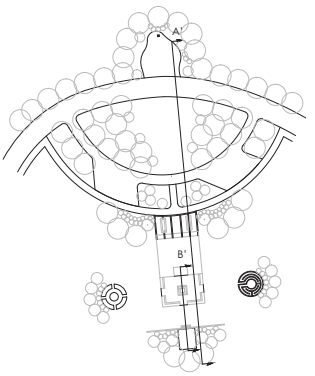
Section B'
Scale: 1" = 1'-0"

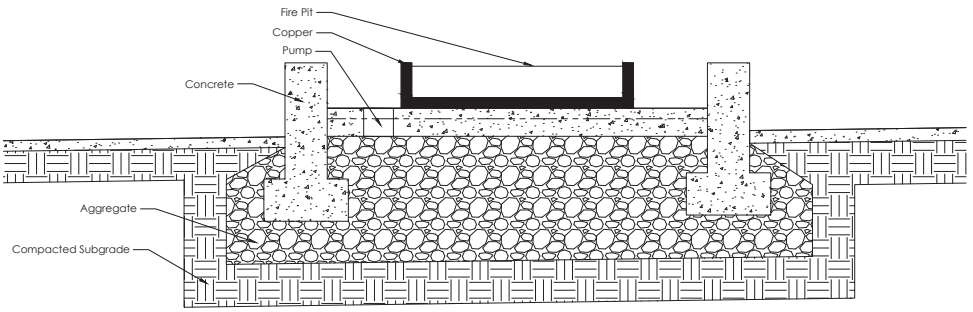


L
1
Retaining Wall
Scale: 1"=1'-0"



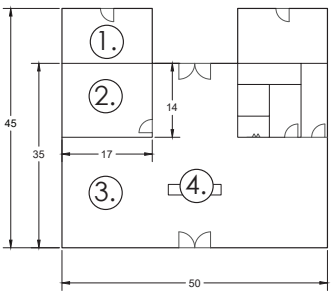
L
2
Retaining Wall & Staircase
Scale: 1"=1'-0"

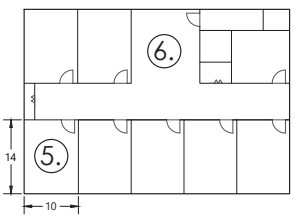




L
3
Fire Pit
Scale: 1"=1'-0"

Visitor's Center Plan





Visitor's Center Statistics

Total Area: 3,864 sqft.
Total Heated Area: 3,510 sqft.
Exhibition Area: 750 sqft.
Total Outdoor Storage Area: 354 sqft.

Total Offic es: 7

Parking Spaces: 10

Key

1. Outdoor Storage
2. Conference Room
3. Exhibition Space
4. Reception
5. Office x 7
6. Office Lobby

VISITORS CENTER ENLARGEMENT

Nicole Antolic-Soban | Jonah Owens

Chattahoochee Hills

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VISITORS CENTER ENLARGEMENT

VISITORS CENTER PERSPECTIVES

View of Visitors Center From Above

Front of Visitors Center

Back Plaza of Visitors Center

AMPHITHEATER ENLARGEMENT

NARRATIVE

Hutcheson Ferry Park Amphitheater will be able to hold up to 1,500 people on its grass-covered landings and flanking lawn. This venue will be the perfect place for concerts, festivals, benefits and more.

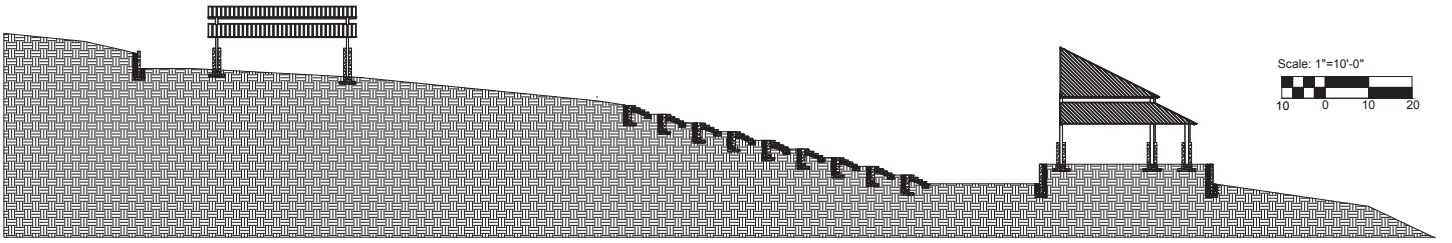
AMPHITHEATER MASTER PLAN

LOCATION MAP

Plan Key

1. Ticketing Pavilion
2. Sloped Lawn
3. Amphitheater Terraces
4. Outdoor Stage
5. Service Road
6. ADA Ramp
7. Paved Trail

SECTION



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AMPHITHEATER ENLARGEMENT

AMPHITHEATER PERSPECTIVES

View of Amphitheater terraces from above.

View of Amphitheater stage from the lawn.

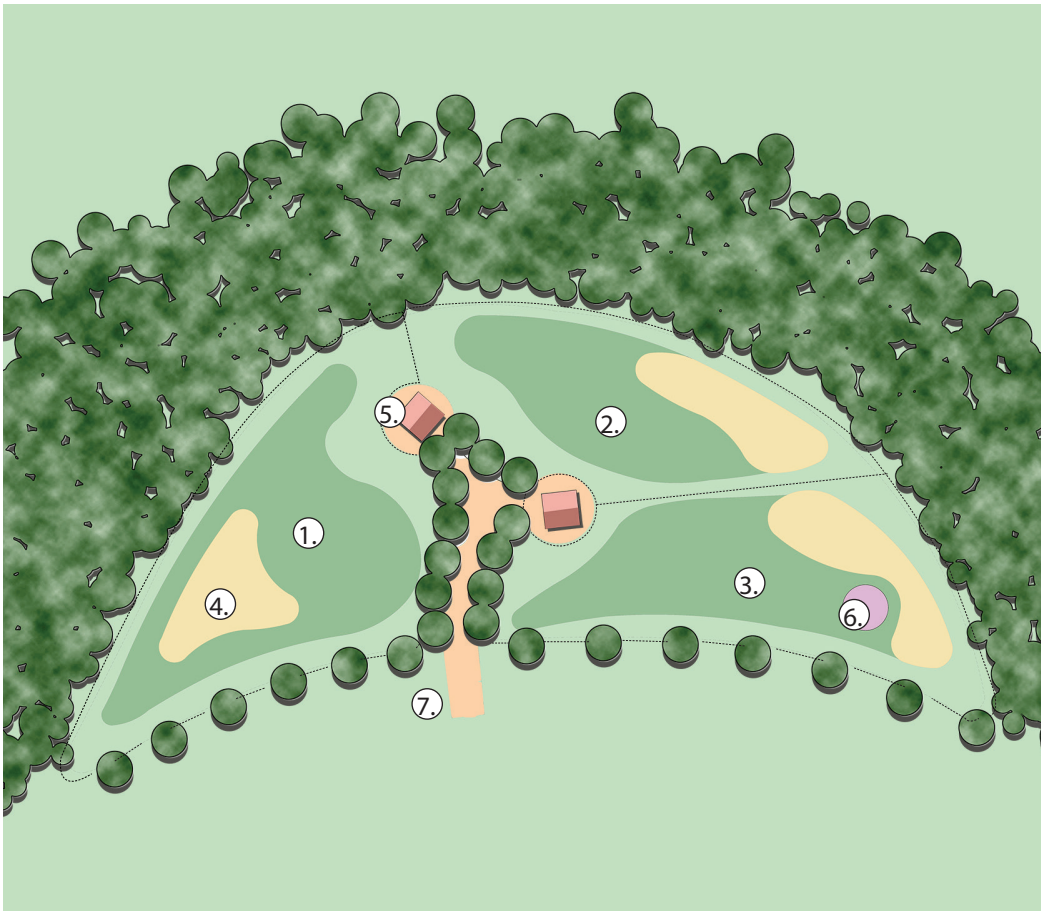
View of the ticketing booth and restrooms.

DOG PARK ENLARGEMENT

NARRATIVE

Designed with our four legged friends in mind, this dog park is the perfect space to spend the day. Doggy visitors can play fetch with their humans, relax in the splash pad, and climb on the rock outcrops. Dog areas total over 39,000 SF of open green space. Human vistors can take advantage of covered seating, shaded walkways, and convient parking.

DOG PARK MASTER PLAN

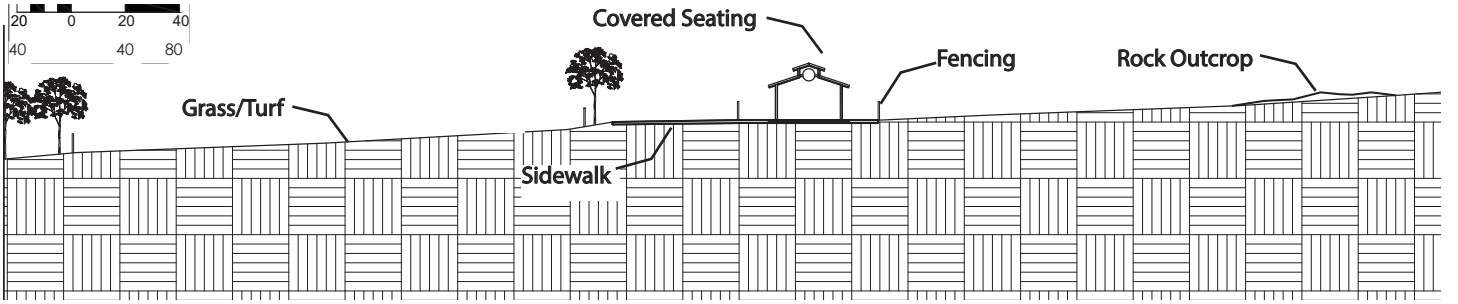


LOCATION MAP

Plan Key

1. Large Dog Area
2. Small Dog Area
3. Shared Area
4. Rock
5. Covered Seating
6. Doggy Splash Pad
7. Entry/Exit to Parking

SECTION



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DOG PARK ENLARGEMENT

DOG PARK PERSPECTIVES

An overview of the dog park shows the three seperated areas for play.

Shaded walk ways make for a better human and dog experience. Shade will keep hot concrete cool on paws.

Covered seating for shade is provided for dog owners while keeping an eye on dogs in enclosures.

Lots of open green space for running and playing.

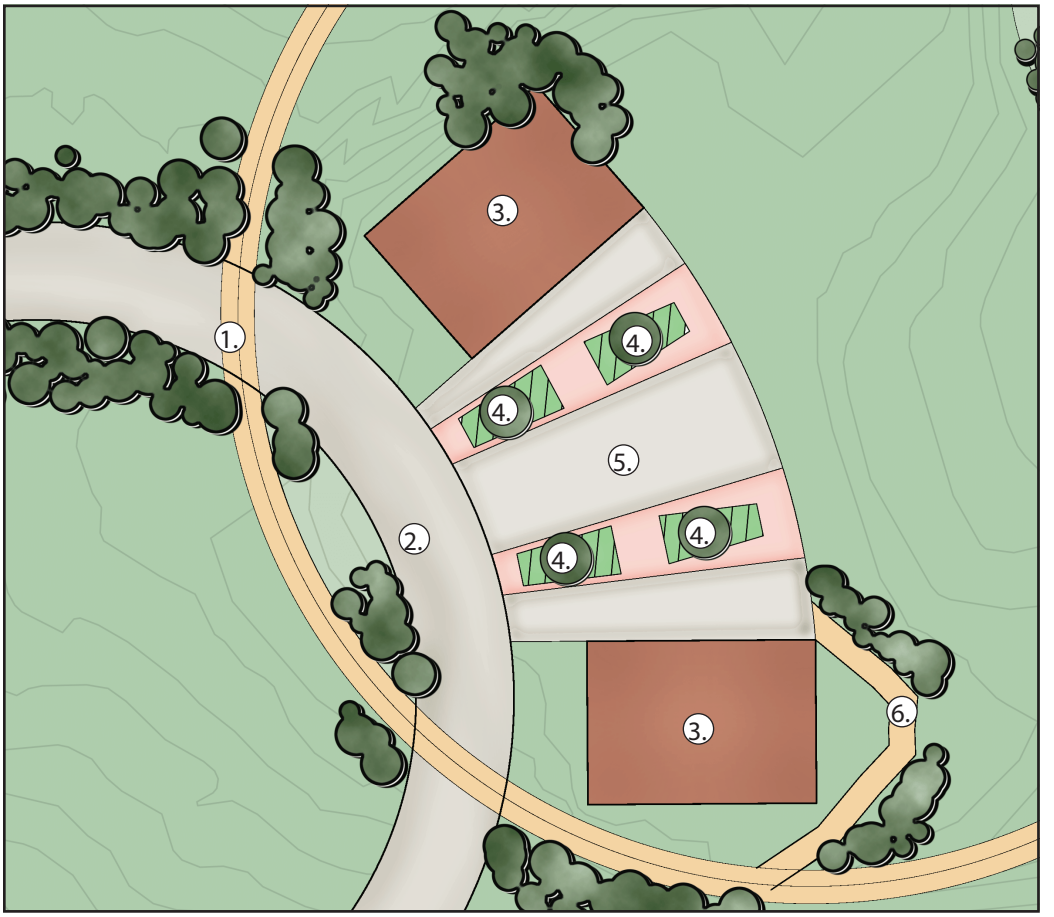
Doggy splash pad in shared area to keep dogs cool on hot days.

FOOD TRUCK AREA ENLARGEMENT

NARRATIVE

Located in the central core of the Hutcheson Ferry Park, the Food Truck Area offers passive entertainment for all visitors. With ample parking for food trucks, visitors can use this space as a plaza seating area as well as an event space for festivals. With two pavilions for any events and festivals, there is ample seating for any special event that can take place.

FOOD TRUCK AREA MASTER PLAN



LOCATION MAP

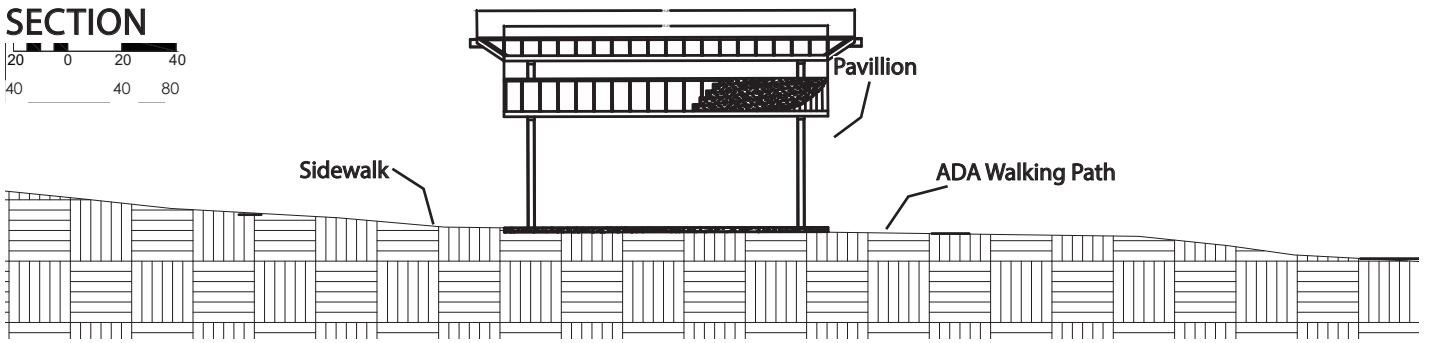
Plan Key

1. Paved Path
2. Road/ Food Truck Parking
3. Great Pavillion
4. Planters/ Seat Wall
5. Outdoor Seating Area
6. ADA Walking Path

SECTION

20 0 20 40

40 40 80



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FOOD TRUCK AREA ENLARGEMENT

FOOD TRUCK AREA PERSPECTIVES

An overview of the food truck area that shows the potential parking for the food trucks and the seating areas.

Covered seating for shade is provided for visitors as they enjoy the events and festivals taking place.

Another overview of the food truck area showing both pavillions and seating areas, with the play-ground in the horizon.

CHILDREN'S PLAY AREA ENLARGEMENT

NARRATIVE

Located on the heart of Hutcheson Ferry Park, the Children's Play Area has something for everyone. Play and socialize in the play areas, fully equiped with two playground jungles , a climbing net, a merry go round and a swing set. Parents and guardians can relax in the shade of two covered pavillions while keeping a close eye on their little ones.

20 0 20 40
20 20 40

SECTION

20 0 20 40
30 30 60

LOCATION MAP

Plan Key

1. Paved Path
2. Swing Set
3. Merry-go-round
4. Children's Play Area (Ages 3-5)
5. Covered Seating
6. Children's Play Area (Ages 5+)
7. Climbing Net

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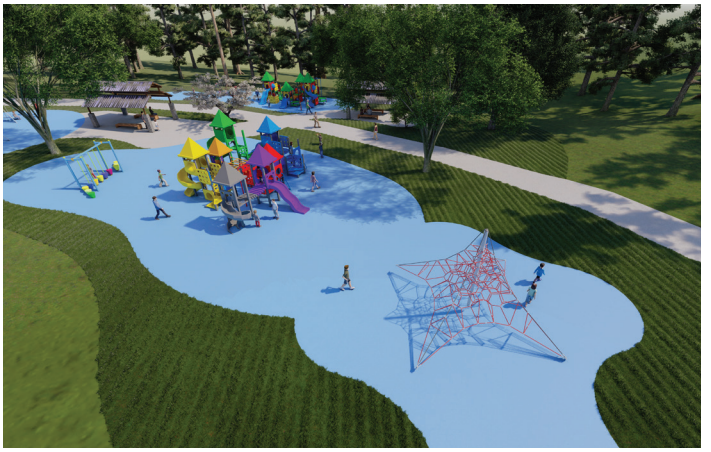
CHILDREN'S PLAY AREA ENLARGEMENT

CHILDREN'S PLAY AREA PERSPECTIVES

An overview of the children's play area shows two areas of play.

Shaded pavillions make for a better human and child experience. Parents can relax in the pavillions while keeping a watchful eye on their children.



Overview of the other play structures in this area.

Main walking path that goes through the children play area.

CAMP GROUND ENLARGEMENT

Hutcheson Ferry Park's camp ground is the place to become one with nature. The camp sites offer all you need. There is individual camp sites and group camping that allows any tent size to fit in the open space that is reserved. Each site has a fire pit for warmth on cool nights, as well as a grill rack attached to the pit for delicious cooking. When it is time to feast, seating is provided by the picnic tables. Located on site is a restroom facility that is walkable from any of the camp sites. Visitors may explore the park by using the walking trail on the outskirts of the camp sites. What better way to get to know the park by spending the night?

CAMP GROUND MASTER PLAN

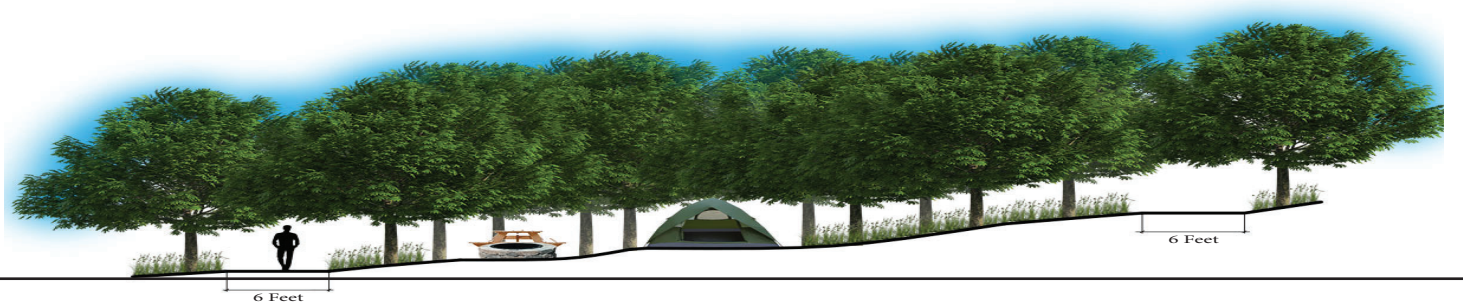
Not To Scale

LOCATION MAP

Plan Key

1. Natural Surface Trail
2. individual Camp Sites
3. Group Camp Sites
4. Restroom Facility

SECTION



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CAMP GROUND ENLARGEMENT

CAMP GROUND PERSPECTIVES

Overhead View of Group Camp Site

Side View of Group Camp Site

Path View of the Entrance to the Group Camp Site

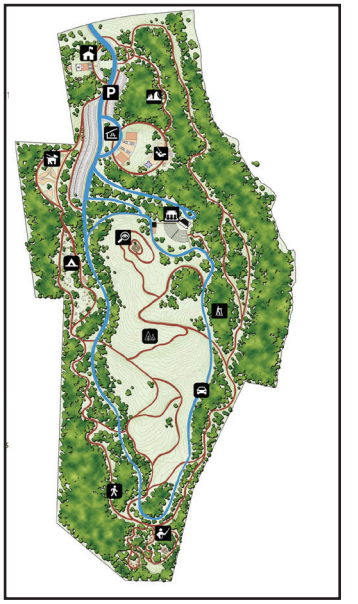
TRAIL ENLARGEMENT

NARRATIVE

There are three different types of trails: board-walking trail, paved trail and walking trail. The board-walking trail is a 500' long and 6' wide wooden trail. The paved concrete trail is 1.61 miles long and 8' wide. The walking trail is 3.75 miles long and is a 6' wide natural surface trail. Benches and trash bins are placed along the trail for guests to use. There are also 3 fitness stations on the trails and intermittent wayfinding signs.

TRAIL GUIDE MAP

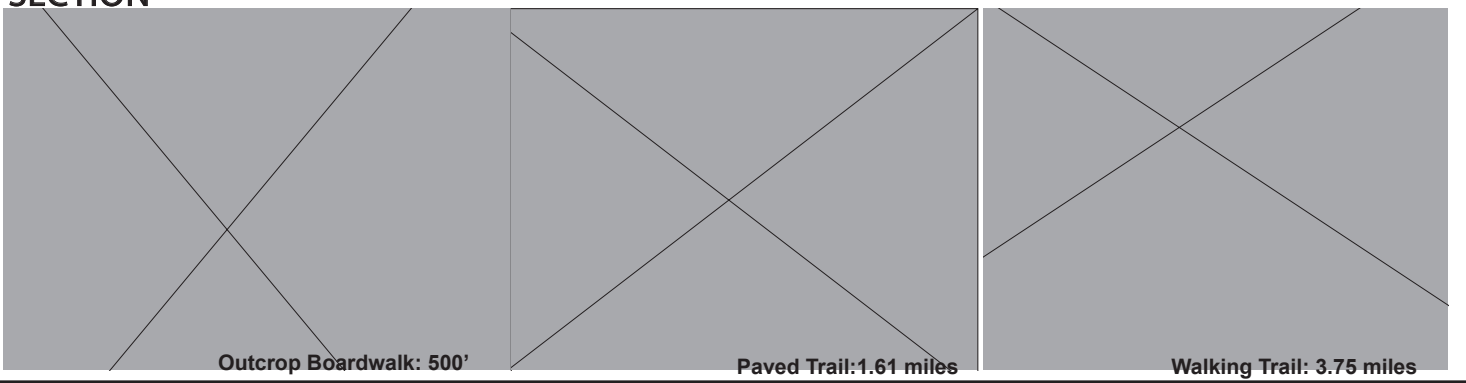
LOCATION MAP



Trail Key

Boardwalk
Paved Trail
Walking Trail

SECTION



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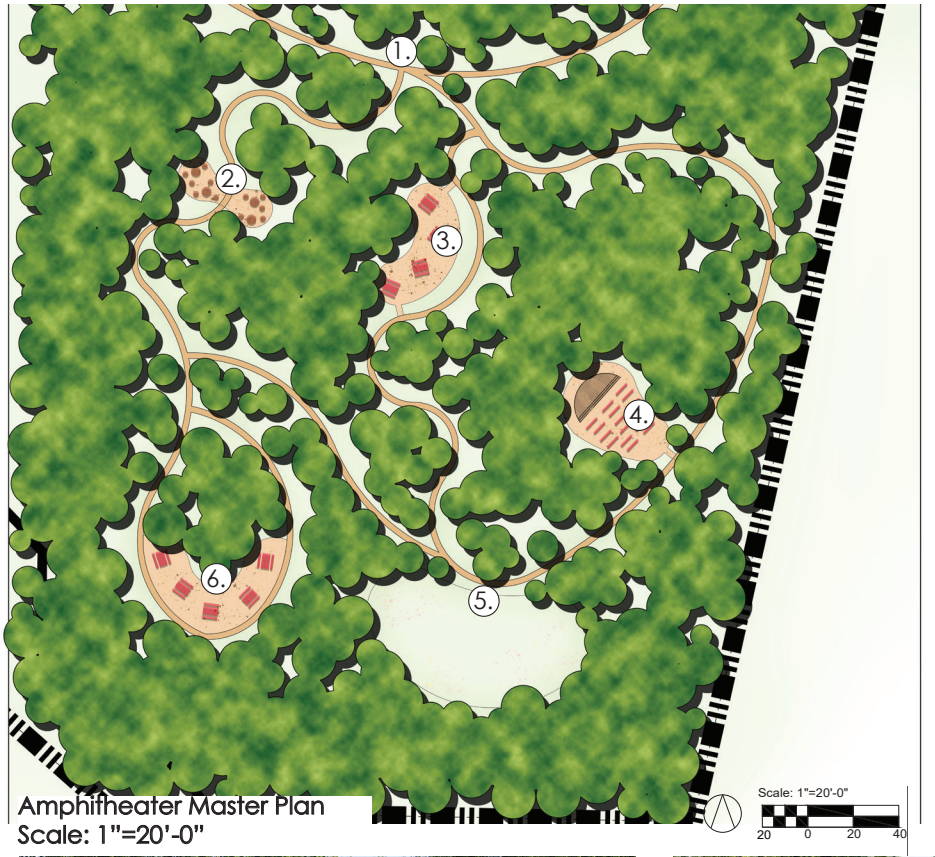
TRAIL ENLARGEMENT

TRAIL PERSPECTIVES

View of walking trail.

View of board walking trail.

OPPORTUNITY NICHE ENLARGEMENT



Amphitheater Master Plan
Scale: 1"=20'-0"

Location Map

Plan Key

1. Entrance from Trail
2. Rustic Seating Area
3. Picnic Area 1
4. Outdoor Mini Stage
5. Open Lawn Flex Space
6. Picnic Area 2

Opportunity Niche Perspectives

8.
APPENDIX

Appendix

8.1 BOOKLET IMAGE CITATIONS

8.2 PRECEDENT STUDIES

8.3 INITIAL DESIGN CONCEPTS

8.1
BOOKLET IMAGE CITATIONS

Appendix

#.1 BOOKLET IMAGE CITATIONS

This list of citations corresponds to the numerical labels (1) found on photos throughout the booklet. This does not include images found in the appendix, as these photos will have their own citations list.

1. https://i0.wp.com/www.decaturmetro.com/wp-content/uploads/2015/05/Metro_atlanta.jpg

2. http://www.chatthillshistory.com/uploads/3/4/8/4/3484343/hutchesonferry1916_orig.jpg

3. Students in the field: Image courtesy of Kayla Bare

4. - Courtesy of Kayla Bare
- http://s4844.pcdn.co/wp-content/uploads/2018/06/piedmontpark-678x381.jpg
- http://inmanparkfestival.org/
- https://www.atlanta.net/Blog/10-Atlanta-Food-Festivals-That-Won-t-Leave-You-Hungry/

5. Samantha Hentz: Wynwood Yard
IMAGE CITATIONS:
- https://www.google.com/url?sa=i&source=images&cd=&cad=rja&uact=8&ved=2ahUKEwjlo-syj5pDgAhVCbK0KHedlBroQjRx6BAgBEAU&url=http%3A%2F%2Fwww.thewynwoodyard.com%2F-work%2F&psig=AOvVaw0hJwfmZ4838XGZq9FDUSa0&ust=1548774719401502

6. Samantha Hentz: Merriwhether Post
IMAGE CITATIONS:
- https://www.google.com/url?sa=i&source=images&cd=&cad=rja&uact=8&ved=2ahUKEwj1m87eg-bfAhX-DUt8KHfKfBmwQjRx6BAgBEAU&url=https%3A%2F%2Fwww.baltimoresun.com%2Fentertainment%-2Farts%2Fbs-mg-ho-opus-1-story.html&psig=AOvVaw0BqKChJUT7O5Kvje28yQJS&ust=1547306348906949
- http://pbs.twimg.com/media/CIs_DFdWgAQaxVT.jpg
- https://www.washingtonpost.com/express/wp/2017/07/13/merriweather-post-pavilion-at-50-why-the-outdoor-venue-feels-like-home-for-artists-and-fans/?noredirect=on&utm_term=.681cda0e1fb9

7. Nicole Antolic-Soban: Inman Park
IMAGE CITATIONS:
- https://www.ajc.com/news/scenes-from-the-46th-annual-inman-park-festival-and-tour-homes/Gv7Ey-hikrFK1DJOjp9oABP/
- https://www.ajc.com/events/weekend-roundup-inman-park-festival-parade-snellville-days/XLqMs2GeAH-koaBXLIS08KK/
- http://inmanparkfestival.org/
- http://icontrolapp.co/wp-content/uploads/2018/09/inman-park-festival-scenes-from-the-annual-map.jpg

8.2
PRECEDENT STUDIES

GORGE AMPHITHEATER

George, Washington

The Gorge Amphitheater is a 25,700 seat concert venue located next to the Columbia River in George, Washington. Originally, it was owned by Dr. Vince Bryan, who dedicated a portion of his 500 acres to build the venue. At the time, it could only hold around 3,000 people. It has grown to be a large event venue with a variety of amenities.

CITY OF GEORGE, WASHINGTON

POPULATION
500

AVERAGE HOUSEHOLD INCOME
$21,181

LAND USE

Total Site Acreage: 500 acres
Total Parking Acreage: 229 acres
Average Event Attendance: 25,700

ELEMENTS

Mixing Booth
Box Seats
Lawn Seating
Stage
VIP House
Reserved Seating

STRENGTHS

- Located next to the Columbia River
- Pristine View

WEAKNESSES

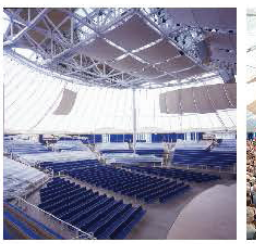
- Can easily become overcrowded and dirty
- Distance between campground and amphitheater is very significant

IMAGE CITATIONS
- https://www.yelp.com/biz_photos/gorge-amphitheatre-quincy?select=hkm-1syz3kmjeqaqinc6s9w
- https://portland.carpe-diem.events/calendar/8955623-watershed-at-the-gorge-3-day-country-music-festival-at-big-paw-tours/
- https://i.pinimg.com/originals/cb/dd/a5/cbdda590553aa713e3695efc53999632.jpg

ASPEN MUSIC FESTIVAL

Aspen, Colorado

There's something for everybody at the Aspen Music Festival. From symphonies to dance recitals, visitors of all ages and background can find an event to spark interest. There are two event spaces: an outdoor amphitheather with over 2000 covered seats plus open lawn seating and an indoor stage with a 500-person seating capacity. There are three acres of parking flanking a 2.9 acre green space. Perfect for picnics, relaxing, or enjoying some outdoor entertainment.



CITY OF ASPEN, COLORADO

POPULATION
7,359

AVERAGE HOUSEHOLD INCOME
$67,776

ELEMENTS

Two Event Spaces
Modern Architecture
Green space
Variety of events

LAND USE

Total Site Acreage: 8.41 AC

Total Parking Acreage: 3 AC

Average Event Attendance: 4,041

STRENGTHS

- Two event spaces. One indoor and one larger, outdoor amphitheater.
- Large green space.

WEAKNESSES

- Some trees and plantings may block views of outdoor stage.
- Indoor event area is limited in seating.

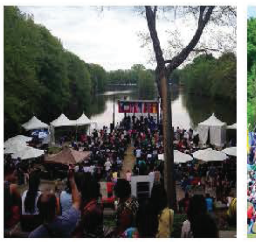
IMAGE CITATIONS

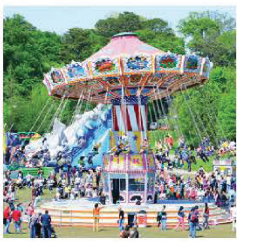
- https://www.stregisaspen.com/wp-content/uploads/sites/4/2016/08/ st-regis-aspen-AMFS-Tent-Interior.jpg
- http://www.aspenmusicfestival.com/images/uploa ds/generic/AboutPage_tentimage.jpg
- http://www.birdair.com/sites/default/files/styles/gallery_e nlarge_horiz/public/projects/Aspen-Music-Festival-01.jpg?itok=cgfll7EL
- http://www.aspenmusicfestival.com/images/uploa ds/generic/AboutPage_tentimage.jpg

ATLANTA DOGWOOD FESTIVAL

Piedmont Park, Georgia

There is something for everyone at the Atlanta Dogwood Festival. There is an Artist Market that includes sculpture, paintings, pottery, jewelry, photography and much more. There is a Kids Village featuring huge inflatables, arts & crafts and face painting for all ages. Sponsor booths are located throughout the festival with prizes and interactive games. Food Courts with food trucks and vendors are present but music has become the essential feature of the weekend's festivities.

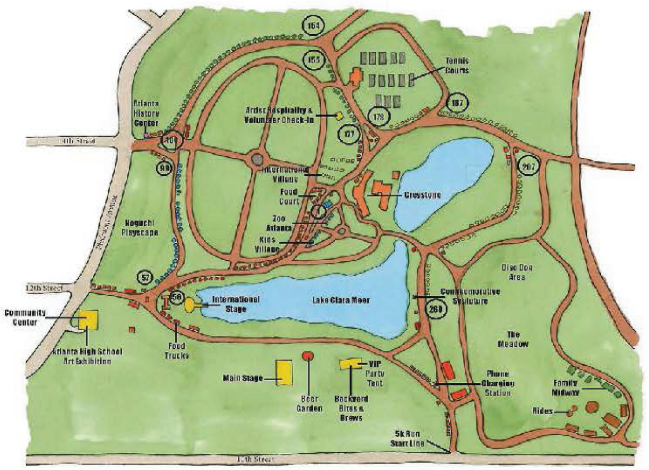




CITY OF ATLANTA, GEORGIA

POPULATION
1.02 M

AVERAGE HOUSEHOLD INCOME
$63,510



LAND USE

Total Site Acreage: 189 Acres

Total Parking Acreage: 2.29 Acres + On-Street

Average Event Attendance: 66,667 Daily

ELEMENTS

Artist Market – 260 Exhibits
Fair Rides and Inflatables
Music
Food Vendors and Food Trucks
5K Run
Sponsor Booths

STRENGTHS

- Involving International Cultures
- Having activities and entertainment for all ages
- Involving the community, cultural alliances, media partners, and corporate sponsors

WEAKNESSES

- Fixed stage instead of a mobile stage
- Poor organization and sense of direction
- Congested due to the art exhibit, booths, and vendors being to close

IMAGE CITATIONS
- https://www.flickr.com/photos/stgrundy/3476242742
- https://www.yelp.com/biz/atlanta-dogwood-festival-atlanta

BONNAROO

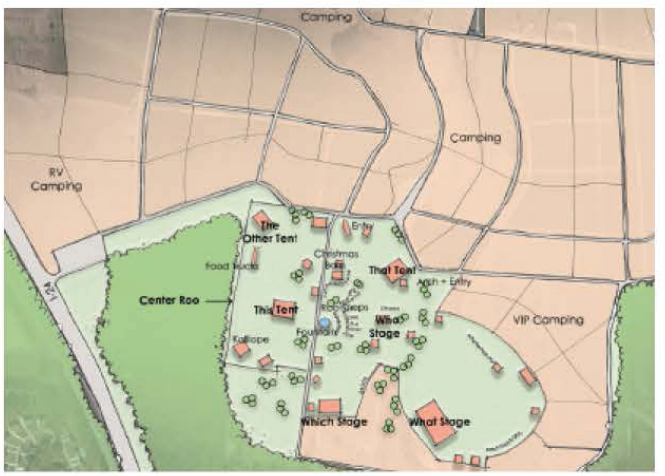
Manchester, Tennessee

Bonnaroo Music and Arts Festival is a four day music festival held in Manchester, TN. The festival started in 2002, and has become widely popular across the US. Bonnaroo offers 150+ music lineups, food vendors, art kiosks, a Silent Disco, a spash pad, camping plazas and more.

CITY OF MANCHESTER, TENNESSEE

POPULATION
10,387

AVERAGE HOUSEHOLD INCOME
$46,594



LAND USE

Total Site Acreage: 700 acres

Total Parking Acreage: 4,000 acres

Average Event Attendance: 73,000 people

ELEMENTS

3 Stages	Comedy Club
3 Music Tents	Music Lounge
Food Truck Oasis	Cinema Tent
Water Slide	Charging Stations
Ferris Wheel	Workout Classes

STRENGTHS

- Giving back to the county
- Emphasis on community experience
- Positivity
- Location
- Philanthropic endeavors

WEAKNESSES

- Traffic + Infastructure
- Saftey- drug and weather related

IMAGE CITATIONS
- bonnaroo.com
- arizonafoothillsmagazine.com
- ulikeafood.com

GLEN HELEN PARK

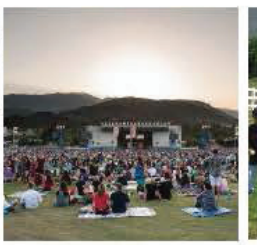
San Bernardino, California

Whether you want to get together with a couple friends on a hike in the park, or catch a concert with 50,000 other people, Glen Helen has it all! This 1,350 acre park offers activities such as fishing, camping, nature trails, waterslides, large and small picnic areas, a playground, ample open field space, and breathtaking views. Not to mention, it houses the largest amphitheater in the US! With a park as diverse and beautiful as this, it is hard for it not to be successful.

CITY OF SAN BERNARDINO, CALIFORNIA

POPULATION
214,581

AVERAGE HOUSEHOLD INCOME
$ 38,456



ELEMENTS

Amphitheater	Playgrounds
Kiosk Space	Field Space
Lakes	Picnic Shelters
Water Park	Camping Sites
Disc Golf	Hiking/Biking Trails

LAND USE

Total Site Acreage: 1,350 acres

Total Parking Acreage: 400 acres

Average Event Attendance: 65,000 people

STRENGTHS

- Diverse activities
- Mix of casual flex space and set venue space
- Well programmed amphitheater

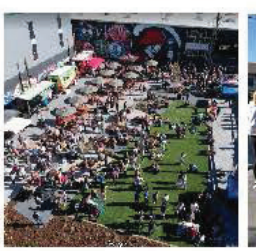
WEAKNESSES

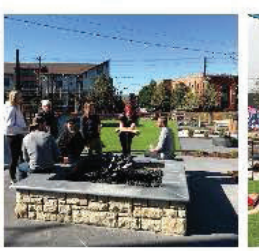
- Festival-focused amphitheater
- Not located in an extrememly dense area

IMAGE CITATIONS
- roadtrippers.com
- cms.sbcounty.gov
- rvpoints.com

IMPROPER CITY
Denver, Colorado

Improper City provides an 8,000 sq. ft. indoor space that offers coffee, beer, wine and craft cocktails. The space is flexible and serves as a semi co-working area during the day. The large outdoor patio hosts food trucks every day.

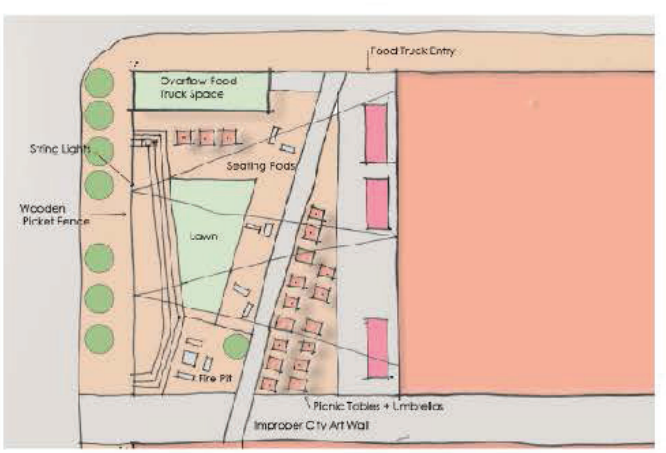




CITY OF DENVER, COLORADO

POPULATION
678,467

AVERAGE HOUSEHOLD INCOME
$88,779.00



LAND USE

Total Site Acreage: 12,000 sf
Average Event Attendance: 200 people

STRENGTHS

- Successful and simple layout
- Scale
- Multiple uses of space

WEAKNESSES

- Different demographic than Chattahoochee Hills

ELEMENTS

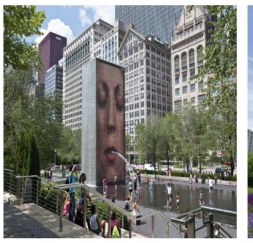
Gravel Food Truck Area
Patio with Picnic Tables
Seating Pods
Fire Pits
Lawn

IMAGE CITATIONS
- theknow.denverpost.com
- impropercity.com
- rinoartsdistrict.com

MILLENNIUM PARK

Chicago, Illinois

Millennium Park is one of the largest green roofs in the world. The location is a perfect blend of architecture, landscaping, and art, providing the ideal setting for cultural events and outings. The park has four major artistic attractions: the Jay Pritzker Pavilion, the Cloud Gate sculpture; the modern Crown Fountain and Lurie Garden. The Jay Pritzker Pavilion is a bandshell that serves as the centerpiece of the park.



CITY OF CHICAGO, ILLINOIS

POPULATION
2.716 M

AVERAGE HOUSEHOLD INCOME
$53,006

LAND USE

Total Site Acreage: 24.5 Acres

Total Parking Acreage: 23 Acres

Average Event Attendance: 11,000

ELEMENTS

Public Garden
Jay Pritzker Pavilion
Cloud Gate
The Crown Fountain
Indoor Performing Venue

STRENGTHS

- Fixed setups or buildings and portable venues
- Vehicular traffic on the outside of the park
- Pavilion for outdoor shows and theater for indoor shows

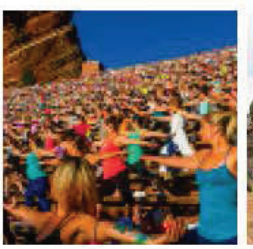
WEAKNESSES

- Walkways too narrow to accomodate pedestrian traffic
- Amenities aren't uniformly spaced

IMAGE CITATIONS
- http://www.architecture.org/learn/resources/buildings-of-chicago/building/millennium-park/
- https://www.chicago.gov/city/en/depts/dca/supp_info/millennium_park4.html

RED ROCKS
Morrison, Colorado

Red Rocks is a unique event space that is nested in the Colorado rocky landscape. The ampitheather boasts spectacular views of the natural rock. The event space can hold up to 9,525 attendees. While it's main claim to fame is live music events, the space is also home to outdoor fitness classes, film screenings, and other outdoor entertainment events. The park was reconized as a National Historic Landmark in 2015.



JEFFERSON COUNTY, COLORADO

POPULATION
574,613

AVERAGE HOUSEHOLD INCOME
$57,339

ELEMENTS

Fitness and Exercise
Live Entertainment and Events
Colorado Music Hall of Fame

LAND USE

Total Site Acreage: 286 Acres
Total Parking Acreage: 12.41 Acres
Average Event Attendance: 6,000

STRENGTHS

- Natural views of the rocky cliffs
- Variety of uses for the land

WEAKNESSES

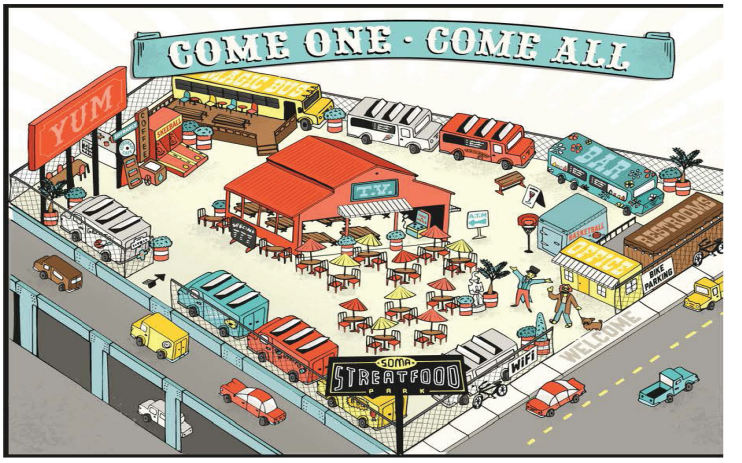
- Stairs and steep slopes
- Dirt parking lots

IMAGE CITATIONS
- https://s3.amazonaws.com/gs-waymarking-images/ed3843bb-0e3c-4fbf-8dbf-a14685b91811.JPG
- https://www.thedenverear.com/red-rocks-amphitheatre-2018-lineup/
- http://www.gohikeco.com/2012/10/trading-post-geologic-overlook-trails.html
- https://blaineharrington.photoshelter.com/gallery-list

SOMA STREAT FOOD PARK

San Francisco, California

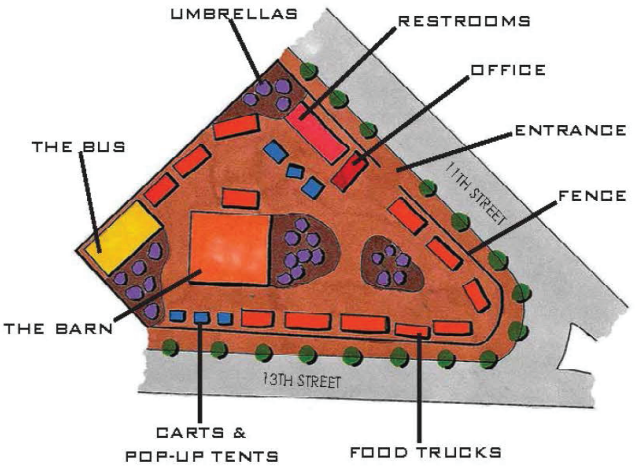
The Soma Streat Food Park is a culinary carnival and urban playground with a rotating lineup of culinary curiosities that are sure to amaze, delight and astound. The park features food trucks, beer, wine, carnival games, Wi-Fi, TV screens, and heat lamps for cold nights. The park is fun for the whole family, even the dog!



CITY OF SAN FRANCISCO, CALIFORNIA

POPULATION
870,887

AVERAGE HOUSEHOLD INCOME
$103,801



LAND USE

Total Site Acreage: 1 Acre

Total Parking Acreage: On-Street

Average Event Attendance: 1,000

ELEMENTS

Food Trucks
Tent Vendors
Pavilion
Music
Trivia Nights
Dining Areas

STRENGTHS

- Wide variety of food
- Shelters for inclement weather
- Trivia nights and music as entertainment

WEAKNESSES

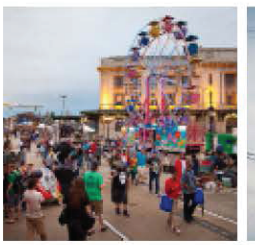
- Have the right amount of food trucks for attendance
- Unappealing entrance

IMAGE CITATIONS
- https://m.yelp.com/biz/soma-streat-food-park-san-francisco
- https://www.tripadvisor.co.nz/LocationPhotoDirectLink-g60713-d4701421-i73194231-SoMa_Streat_Food_Park-San_Francisco_California.html

ARTSCAPE

Baltimore, Maryland

Artscape is the largest free arts festival in America, held annually in the peak of summer. Concerts, food, dancing, and creativity flow down Mt. Royal Avenue for three days while over 300,000 people come to celebrate the arts and culture of Baltimore.



CITY OF BALTIMORE, MARYLAND

POPULATION
2.8 million

AVERAGE HOUSEHOLD INCOME
$40,000

LAND USE

Total Site Acreage: 45 acres

Total Parking Acreage: 19 acres

Average Event Attendance: 350,000

ELEMENTS

Concerts
Workshops
Art Vendors
Dancing
Food

STRENGTHS

- Great example of funding from sponsors to create a fantastic free event
- Proves that you can have a festival anywhere, even in a busy city

WEAKNESSES

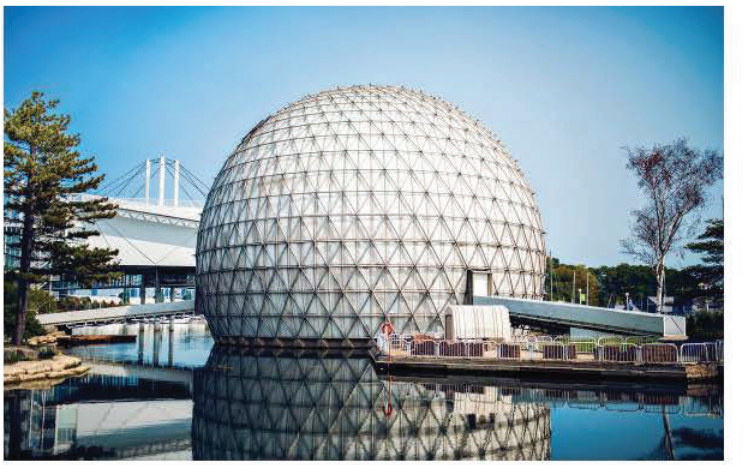
- Urban setting doesn't relate to a rural park
- Cuts off traffic through 3 major streets for a whole weekend

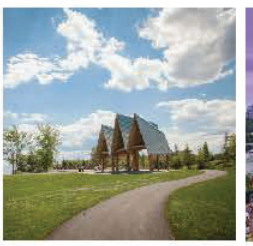
IMAGE CITATIONS
- www.artscape.org
- www.visitmaryland.org,
- The Wall Street Journal

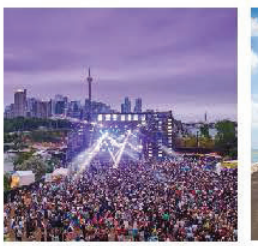
ONTARIO PLACE

Tortonto, Ontario, Canada

155 acres of mid-century modern fantasy land is currently under renovation to become an ecological, family-friendly, and active city park. Toronto's masterplanners are honoring the many historical landmarks on the site while updating it to align with the cultural and urban necessities of the 21st century.







CITY OF TORONTO, ONTARIO

POPULATION
2.8 million

AVERAGE HOUSEHOLD INCOME
$70,000

LAND USE

Total Site Acreage: 155 acres

Total Parking Acreage: 11.25 acres

Average Event Attendance: 10,000

STRENGTHS

- Great opportunity to look at an old site that is being redeveloped
- Prime waterfront real estate

ELEMENTS

Concert amphitheater
Beach concert venue
Cinesphere IMAX theater
Park space and trails
Waterfront accessability

WEAKNESSES

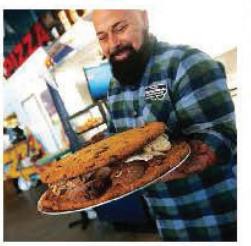
- Rough history of the site with many years of dilapidation
- Not ADA accessible in many ways

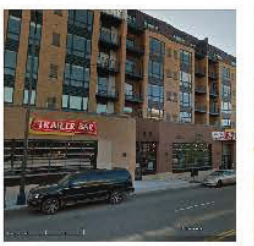
IMAGE CITATIONS
- http://www.mtc.gov.on.ca/en/ontarioplace/vision.shtml
- https://twitter.com/ontarioplace/status/1009209276072628224
- https://dailyhive.com/toronto/toronto-ontario-place-trillium-park-photos
- http://workstage.ufcontent.com/read/account_titles/531003

7TH STREET TRUCK PARK

St. Paul, Minnesota

7th Street Truck Park has become the hub of food and fun in downtown St. Paul. As the city strives for positive urban development, this gathering place stands out as a place for family, friends, and 15 pound ice cream sandwiches. The truck park sits below an apartment building as part of a mixed use development and features four food trucks, a bar, and a small stage.

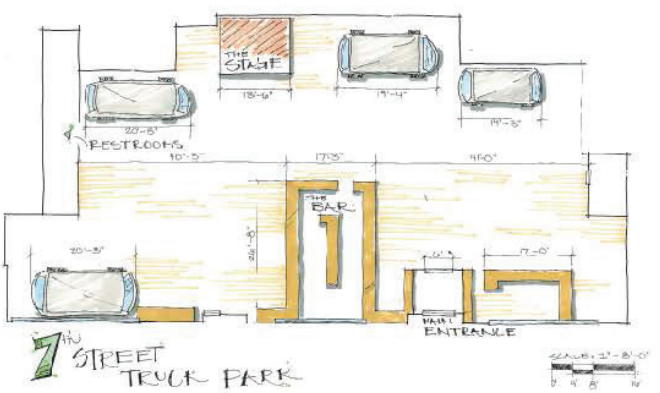




CITY OF ST. PAUL, MINNESOTA

POPULATION
306,621

AVERAGE HOUSEHOLD INCOME
$54,000



LAND USE

Total Site Acreage: 6,000 square feet

Total Parking Acreage: downtown garages available

Venue Capacity: 300-500 people

ELEMENTS

Food - pizza, tacos, barbecue, & ice cream
Beer
Stage for local bands
Picnic
Dive Bar

STRENGTHS

- Fun for any age, diverse space encourages social interactions
- Great variety, fun to have different food and drink vendors in one big space

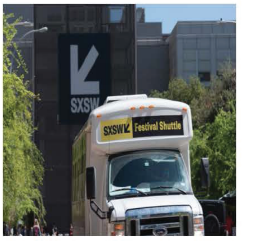
WEAKNESSES

- Trucks and venue are permanent, taking away a huge benefit of truck parks where you can change and rotate the types of food, music, etc.
- No room to move trucks in and out, not a good template for mobile trucks

IMAGE CITATIONS
- https://twitter.com/saintpaul/status/901077304469803009
- https://www.truckparkusa.com/virtual-tour/

SXSW FESTIVAL
Austin, Texas

SXSW Festival stage located in Lady Bird Park, Austin. This park has a great open view of downtown Austin and has great landscape lighting during the evening. Parking space is widely available in this area, and shuttles are available all day. During festival events, there are food trucks to provide food and drink. A huge outdoor stage is next to the lake. There are many local bars for adults, and playgrounds for kids. Also, this place provides boating events on Lady Bird Lake, too.



CITY OF AUSTIN, TEXAS

POPULATION
1,037,436

AVERAGE HOUSEHOLD INCOME
$55,216 (2019)

LAND USE

Total Site Acreage: 77.93 acres

Total Parking Acreage: 9 acres

Average Event Attendance: 16,660/Day

ELEMENTS

Indoor parking
Water fountain
Trails
Green space
Lake view

STRENGTHS

- Brand effect
- Promote economic development
- Increasing urban influence

WEAKNESSES

- Terrible traffic
- Poor waste management
- Storm water management

IMAGE CITATIONS
- https://wristbands.sxsw.com/

WESTLAKE PARK

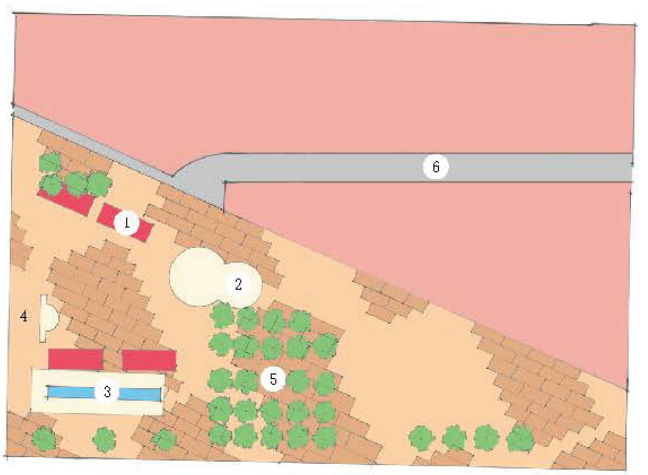
Seattle, Washington

Westlake park is located in the center of Seattle's retail district, across from a monorail and light rail hub. It opened in 1988, along with the 21 story office building adjacent to it. The plaza includes colorful seating, a fountain, children's play area, and a small stage. In the past, politicians have used the space as a "town square", and would give speeches to the public.

CITY OF SEATTLE, WASHINGTON

POPULATION
724,745

AVERAGE HOUSEHOLD INCOME
$83,476



LAND USE

Total Site Acreage: .1 acres

Total Parking Acreage: 0 acres

Average Event Attendance: 1000

ELEMENTS

Food Trucks
Children's Play Area
Fountain
Arch and Stage
Shaded Seating

STRENGTHS

- Located near transit systems and shopping malls, which means that a lot of people pass the park while they are commuting; generates interest
- Variety of food trucks-everyday the selection changes

WEAKNESSES

- There are only a maximum of four food trucks everyday, and when the park is busy people need to stand in line for long periods of time

IMAGE CITATIONS
- https://commons.wikimedia.org/wiki/File:Westlake_Park_shuffleboard_and_seating.jpg
- http://historylink.org/File/8458
- https://www.seattlefoodtruck.com/schedule/westlake-park
- https://www.seattlemag.com/article/westlake-park-food-truck-pod-launches-daily-offering-today

NEW ORLEANS JAZZ AND HERITAGE FESTIVAL

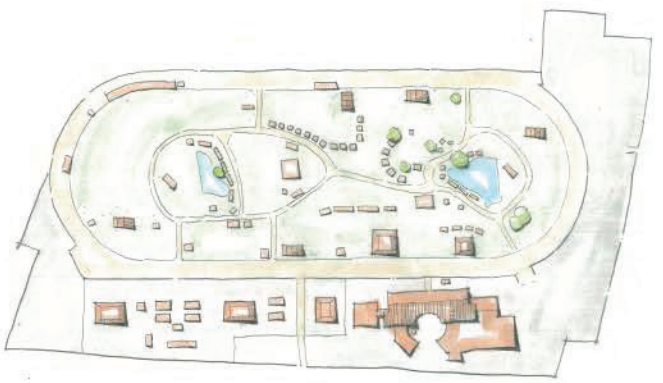
New Orleans, Louisiana

The New Orleans Jazz and Heritage Festival was started in 1970 by the New Orleans Hotel Motel Association. Music from locally and nationally acclaimed artists is played over eight days. Jazz is not the only music at the festival, additional genres include: blues, R&B, gospel, Cajun, zydeco, Afro-Caribbean, folk, Latin, rock, rap, country and bluegrass. The festival is also filled with local food. People from all over the country flock to the festival, only rivaled by Mardi Gras.

CITY OF NEW ORLEANS, LOUISIANA

POPULATION
393,292

AVERAGE HOUSEHOLD INCOME
$36,964



LAND USE

Total Site Acreage: 54.6 acres

Total Parking Acreage: 0 acres

Average Event Attendance: 450,000

STRENGTHS

- Large circulation ring
- Large amounts of stages and vendors
- Inclusion of local history and heritage

ELEMENTS

Concerts	New Orleans Heritage
Dance Parties	Food
Markets	History
Libations	Kids' Areas
Great Food	Concert Tent
Post Office	Play Area

WEAKNESSES

- No trees
- No parking
- Small space

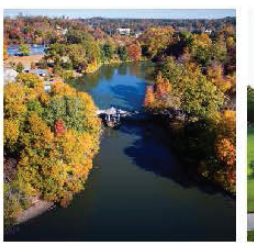
IMAGE CITATIONS

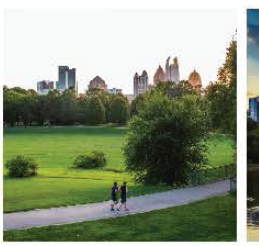
- https://www.neworleans.com/event/new-orleans-jazz-%26-heritage-festival/3197/
- https://www.jambase.com/article/new-orleans-jazz-fest-organizers-announce-delayed-opening-sunday
- https://www.reddit.com/r/food/comments/2wq8sr/boiled_crawfish_new_orleans_jazz_heritage_festival/
- https://www.neworleans.com/event/new-orleans-jazz-%26-heritage-festival/3197/?asset=890-ig-1508279552228914064_239724364

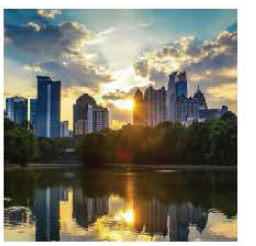
PIEDMONT PARK

Atlanta, Georgia

Piedmont Park is large urban park containing both passive and active recreation spaces. The park has been in use for over a century and has been home to many major events. The park is home to large amounts of activities that are sure to inspire people from all ages. With the advent of the Beltline the park has become further immersed in the fabric of Atlanta.







CITY OF ATLANTA, GEORGIA

POPULATION
463,878

AVERAGE HOUSEHOLD INCOME
$53,843

ELEMENTS

Sightseeing and Tours
Green Market
Fitness and Health
Sports Fields
Splash Pad and Pool
Summer Camp
Playgrounds
Dog Parks
Community Garden
Bocce Courts
Basketball Courts

LAND USE

Total Site Acreage: 189 acres

Total Parking Acreage: 4 acres

Average Event Attendance: 125,000

STRENGTHS

- Ample active and passive recreation spaces
- Versatility in event types and sizes
- Open green space and water views

WEAKNESSES

- Riddled with event litter
- No boating or swimming in Meer
- Crime

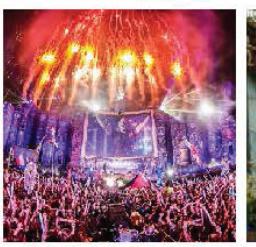
IMAGE CITATIONS

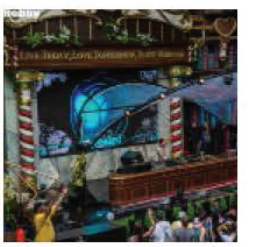
- https://www.weddingwire.com/biz/piedmont-park-conservancy-atlanta/c64490efa224c308.html
- https://www.piedmontpark.org/four-best-fall-foliage-spots-piedmont-park/
- https://blog.lyft.com/posts/2017/6/15/atlantas-top-summer-destinations-for-2017
- https://www.piedmontpark.org/maps/ig-1508279552228914064_239724364

TOMORROW WORLD

Chattahoochee Hills, Georgia

Tomorrow World is a multi day electronic and dance music festival. Though it is currently no longer running, it did attract people from all over the world. Djs and artists would play at one of the 8 stages and festival atendees would dance. Camp sites housed many of the festival goers and amenities were provided.

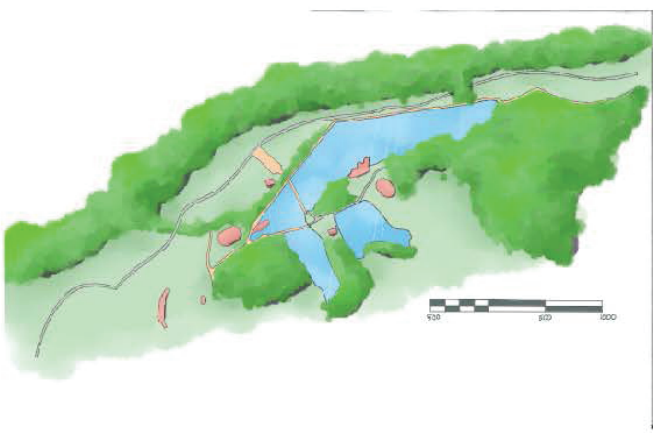




CITY OF CHATAHOOCHEE HILLS, GA

POPULATION
2,378

AVERAGE HOUSEHOLD INCOME
$61,454



LAND USE

Total Site Acreage: 500 acres

Total Parking Acreage: 62.85 acres

Average Event Attendance: 160,000

STRENGTHS

- Visiting attendees' direct expenditures added $28.7 million into the local economy
- Brought over 700 new jobs to the area
- Unique aesthetic

ELEMENTS

1 Main Stage
Dreamville Camp Site
Market Place
7 Event Stages
Food and Drink Vendors

WEAKNESSES

- Caters to a limited demographic
- Site was poorly prepared for rain
- Remote location led to transportation problems

IMAGE CITATIONS
- https://www.youredm.com/wp-content/uploads/2015/09/bd33b015-3abd-4a8f-b259-0604a5d026e8-1024x1024.png
- http://cbsnews1.cbsistatic.com/hub/i/r/2014/11/24/c53f0c64-0545-4550-ab12-34cc491ea577/thumbnail/620x350/a6cffdda84d4b962bf72d44da58b4942/3.jpg
- http://www.thissongslaps.com/wp-content/uploads/2015/02/tomorrowworld.jpg

ARTS FESTIVAL OF CARROLLTON

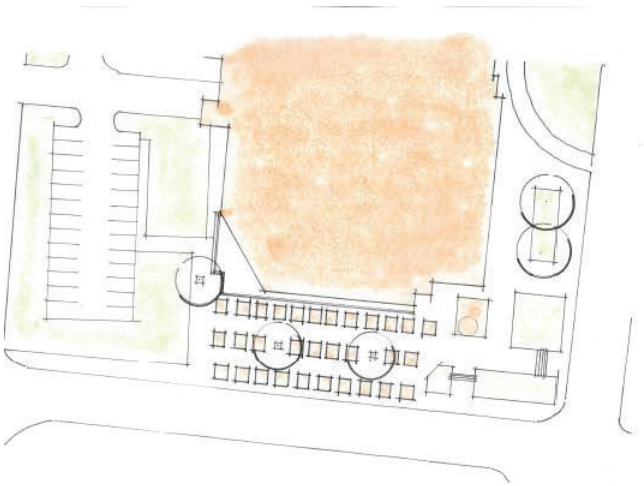
Carrollton, Georgia

The Arts Festival of Carrollton is predominantly an art market and showplace. This is where artists sell their work to visitors. In addition to the arts market, there are small concerts and musical preformances from local high schools, bands, and dance companies.

CITY OF CARROLLTON, GEORGIA

POPULATION
26,815

AVERAGE HOUSEHOLD INCOME
$41,000



ELEMENTS

Dance Performances
Art Market
Musical Performances

LAND USE

Total Site Acreage: 4.90 Acres
Total Parking Acreage: .81 Acres
Average Event Attendance: 500-1000

STRENGTHS

- Creates incentives that ensure quality programs (prizes)
- Creates programs for all levels of professionals
- Inclusive to all ages
- Well scaled to the population

WEAKNESSES

- Understanding surrounding context
- Low curbside appeal

IMAGE CITATIONS
- https://www.flickr.com/photos/bamaboy1941/7402757088
- https://artsfestivalofcarrollton.com/
- http://www.city-data.com/city/Carrollton-Georgia.html
- https://festivalnet.com/24083/Carrollton-Georgia/Art-Shows/The-Arts-Festival-of-Carrollton-formerly-MECCAFEST
- http://thewestgeorgian.com/mecca-fest-2014/
- https://backstretchstudio.com/event/38666/mecca-fest

SHAKY KNEES MUSIC FESTIVAL

Atlanta, Georgia

Shaky Knees Music Festival was created in 2013 by Tim Sweetwood. He wanted to bring an Indie Rock music festival to Georgia. The festival is usually held on the first weekend of May. Central Park is 17.37 acres and was created during the urban revival iniative in the 1960s. This festival only serves a very small portion of the 6 million people in Atlanta. Around 9,000 people attend the festival every year. Shaky Knees has a sister festival called Shaky Beets that takes place the weekend after in the same location. A number of sponsors support the event. Ford, uber, olukai, Titos, Malibu, Crown Royal, Diet Coke, and many more. Food is catered by local restauraunts from the area.

CITY OF ATLANTA, GEORGIA

POPULATION
6 Million

AVERAGE HOUSEHOLD INCOME
$57,597.00

ELEMENTS

4 Main Stages
3 Fields
Multiple Food and Beverege Vendors
3 Day Event

LAND USE

Total Site Acreage: 17.37 acres
Total Parking Acreage: NA
Average Event Attendance: 9,000 per day

STRENGTHS

- Central park can accomodate a lot of people
- The park serves as an athletic park normally and has temporary stages set up for the festival
- The sites proximity to the city of Atlanta is good for accomodation of attendees.

WEAKNESSES

- There is no parking on site due to the area being in a densely urban environment.
- There is really no ADA access and the site becomes muddy and sandy due to the high traffic.
- The concert brings a lot of noise and traffic to the historic old fourth ward neighborhood.

IMAGE CITATIONS
- https://gametime.co/shaky-knees-music-festival-tickets/performers/musicshakyknees
- https://www.bizjournals.com/atlanta/news/2015/11/16/shaky-knees-headed-to-centennial-olympic-park-in.html
- https://www.wsbtv.com/entertainment/things-2-do/photos-shaky-knees-festival-in-atlanta/745247874

ALPINE VALLEY MUSIC THEATER

East Troy, Wisconsin

Equidistant between Madison, Milwaukee, Rockford, and Chicago lies Alpine Valley Music Theater in East Troy, Wisconsin. Alpine Valley Music Theater has been home to some of the biggest concerts the Midwest has ever seen. The park has been so successful due to its central location between those 4 Midwest cities. Various program elements include an outdoor, covered amphitheater, various concession buildings, a main accommodation building with bathrooms, a lounge, a restaurant, and accommodation for the artists. Also the venue provides 7 fields for parking which accumulates to 85 acres. The amphitheater itself has 7,500 covered seats and the lawn and fields provide the venue with enough space to host 37,000 people.

EAST TROY, WISCONSIN

POPULATION
4,409

AVERAGE HOUSEHOLD INCOME
$58,266.00

ELEMENTS

Main Amphitheater with Support Building with Bathrooms and Concessions
7,500 Covered Seats
Can Hold 37,000 People

LAND USE

Total Site Acreage: 85 acres
Total Parking Acreage: 85 acres
Average Event Attendance: 33,000

STRENGTHS

- The amphitheater is well built and versatile to handle a multitude of events with its 7,500 seat capacity
- The walkability of the site is very well planned out to provide equally distributed crowds thoughout the venue.

WEAKNESSES

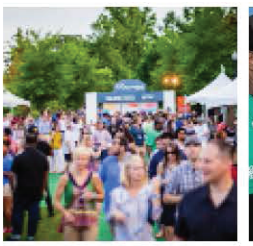
- Parking is hectic with everyone creating rows.
- The venue could use more sanitation to handle the larger crowds.
- Although the venue is located between the four main cities, it is in the middle of nowhere and difficult to get to and park.

IMAGE CITATIONS
- https://theconcertdatabase.com/venues/alpine-valley-music-theatre
- https://urbanmilwaukee.com/2014/08/25/music-alpine-valley-for-sale-at-8-4-million/
- http://www.gratefulweb.com/articles/spread-east-troy-wi-review
- https://zilberpropertygroup.com/alpine-valley-music-theatre-will-reopen-following-first-no-show-season-in-40-years/

TASTE OF ATLANTA

Atlanta, Georgia

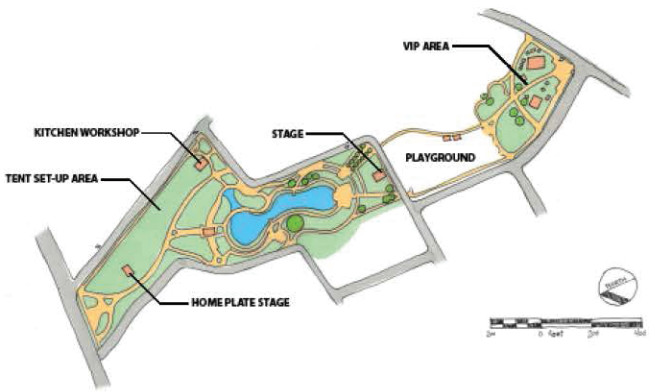
Taste of Atlanta is a three-day food festival held at Historic Fourth Ward Park. This event gives Atlantans the opportunity to try food from over 60 restaurant vendors. Visitors can upgrade their general admission pass to the Grand Tasting Experience, where they will have access to even more restaurants and exclusive beer and wine tasting booths.



CITY OF ATLANTA, GEORGIA

POPULATION
486,290

AVERAGE HOUSEHOLD INCOME
$51,701



LAND USE

Total Site Acreage: 17 acres

Total Parking Acreage: No on-site parking

Average Event Attendance: 12,000 vistors per day

ELEMENTS

Food and Beverage Sampling
Live Cooking Demos and Classes
VIP Area with Beer, Wine, and Cocktails
Barcraft Workshops

STRENGTHS

- Set in beautiful Historic Fourth Ward Park
- Brings awareness to local businesses
- Hosts a variety of food-related events other than just food trucks

WEAKNESSES

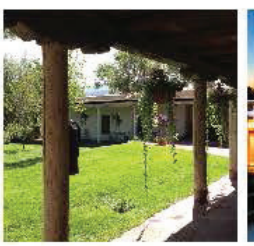
- No on-site parking
- Poor spatial planning causes lines to over-lap and become confusing
- Can become crowded quickly

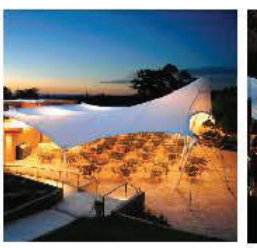
IMAGE CITATIONS
- https://www.atlanta.net/Blog/10-Atlanta-Food-Festivals-That-Won-t-Leave-You-Hungry/
- https://www.instagram.com/p/BpXdxQvHWaG/
- https://www.instagram.com/p/BpSOfetnk5_/

CROSBY THEATRE

Santa Fe, New Mexico

Located just minutes away from Santa Fe, the Crosby Theatre offers world-class performances in a state-of-the art campus. The Crosby Theatre is an open-air theatre used by the Santa Fe Opera. This theatre is used during the summer opera season for plays and concerts. The theatre and the Santa Fe Opera campus feature panoramic desert views and many amenities for performers.





CITY OF SANTA FE, NEW MEXICO

POPULATION
83,776

AVERAGE HOUSEHOLD INCOME
$53,922

LAND USE

Total Site Acreage: 155 acres

Total Parking Acreage: 7.6 acres

Average Event Attendance: 2,128 people per show

STRENGTHS

- Structures frame the natural landscape
- Practice and performance spaces can be used year-round

ELEMENTS

Open Air Theater
Production Halls
Stieren Orchestra Hall
"The Ranch" with Cantina
Administrative Offices

WEAKNESSES

- Not enough parking within close walking distance
- Not enough protection against the elements

IMAGE CITATIONS
- https://sfopera.com/blog/backstage-with-matthew-opera-with-a-twist/
- https://www.h3hc.com/santa-fe/erw2cn6hqaildgwfw5izq0fwal6za5 https://durangoherald.com/articles/108150#slide=0
- https://commons.wikimedia.org/wiki/File:Santa_Fe_Opera-ranch_portale.jpg

8.3
INITIAL DESIGN CONCEPTS

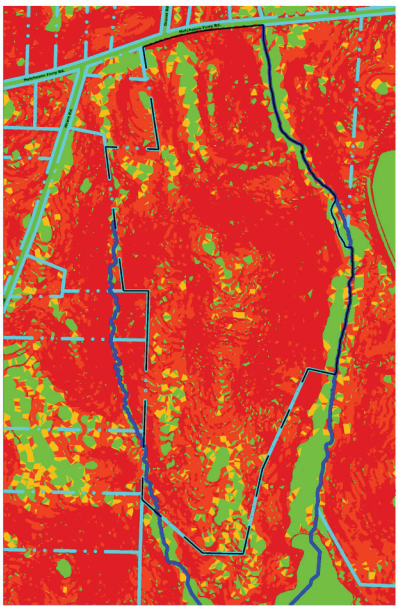
Hutcheson Ferry Park

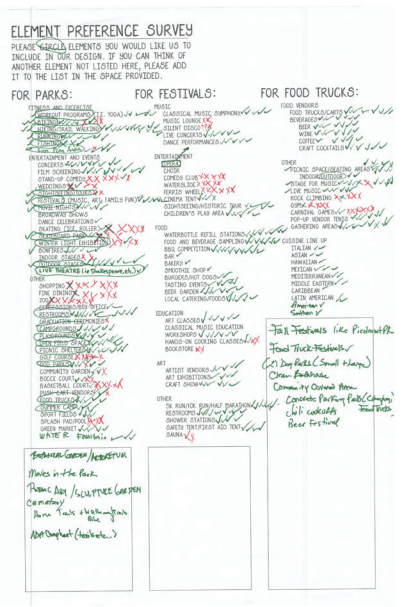
1. Ranger Station
2. Restrooms
3. Recycling Center
4. Green Space
5. Food Truck Parking
6. Playground
7. Permeable Parking
8. Market Space
9. Amphitheater
10. Concessions
11. Trail
12. Dog Park
13. Parking

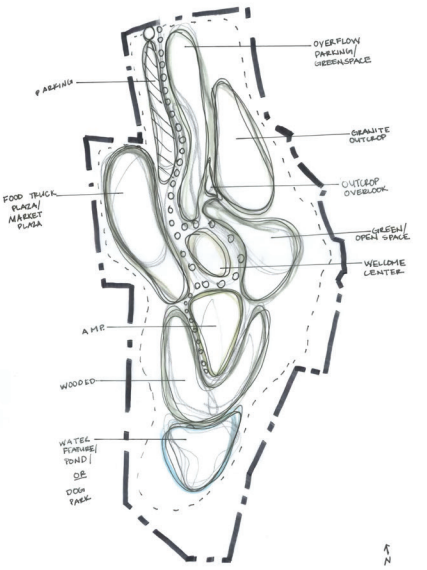
With 105 acres to work with, this site is full of potential to serve the residents of Chattahoochee Hills. The amenities are centered at the core of the site. Amenities include an amphitheater, a playground, a paved open space for outdoor gathering, covered gathering spaces, and a food truck park. Plenty of parking is provided for all events, including the use of some permeable pavements. Just outside of the center core, hidden by trees and landscaping, there is a public recycling drop-off center. South of the core lies a large dog park. This area is broken into two parts: one for large dogs and another for small. A 1.52 mile trail loops around the site.

200 0 200 400 ft.

Mekinsey Bullock
LAND 4060S
Professor Longenecker
Spring 2019

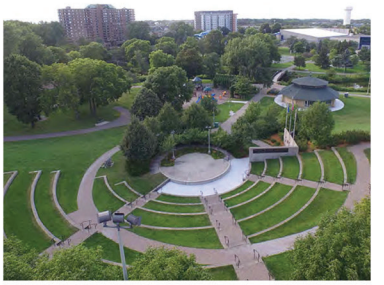






9 Amphitheater

Seating for about 850 attendees.



9 Playground

Fun, sustainable, and accessible. Example: Khunamokwst Park by GreenWorks.

5 8 Market and Food Truck Space

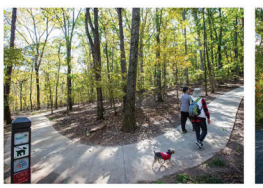
Seating for about 850 attendees.

3 Recycling Center

A convenient place for the public to drop off recycable materials.

3 Exercise Trails (Bike/Walk/Run)

A loop of 1.52 miles around the property with paths that connect amenities.



7 Permeable Parking

A more environmentally friendly approach to parking lots.

Chattahoochee Hills

UNIVERSITY OF GEORGIA
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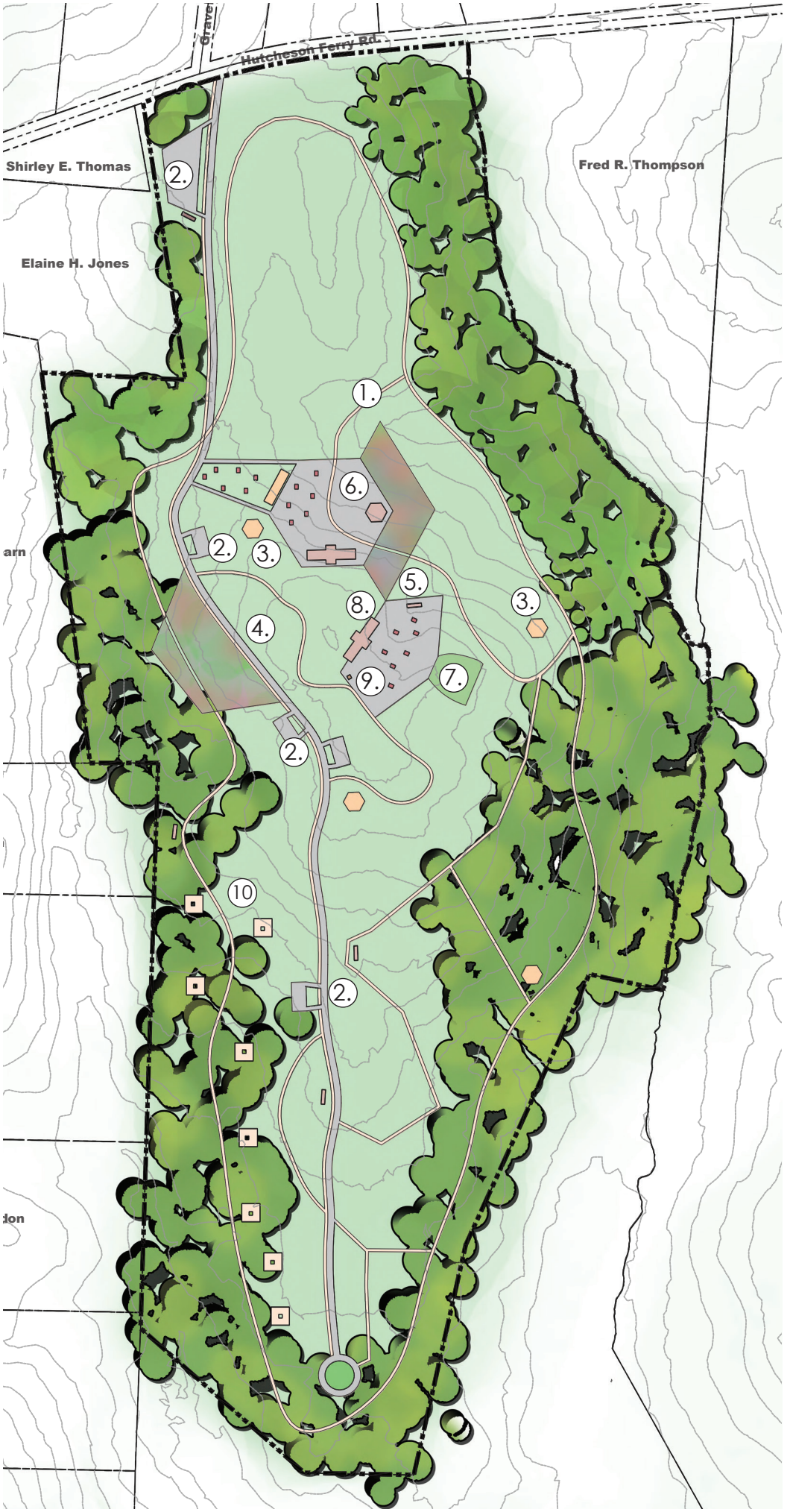


Hutcheson Ferry Park

1. Trails
2. Parking
3. Play Area/ stations
4. Multi-Use Road
5. Restrooms
6. Buildings
7. Amphitheatre
8. Concessions/stands
9. Seating
10. Campgrounds

Chattahoochee Hills Hutcheson Ferry Park is designed to create an active park for the Chattahoochee Hills Community. The park will incorporate the use of trails, campgrounds, an amphitheater, and a functional core that will also serve as a community center.

200 0 200 400 ft.

Diana Kim
LAND 4060S
Professor Longenecker
Spring 2019

Inspiration

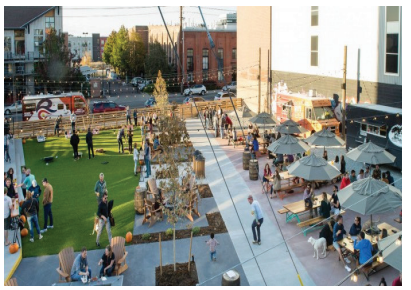
Shown here are pictures of some precedents that was used to inspire the design of the Hutcheson Ferry Park. Images included are of parks, seating areas, food truck stations, and amphitheatres taken from the precedent case studies.

Additonally, the word graphic visually shows what the community of Chattahoochee Hills hope to see in the future developments of Hutcheson Ferry Park.

Amphitheatre

Community Center and Pavillion

Camping


Seating and Concessions Plaza

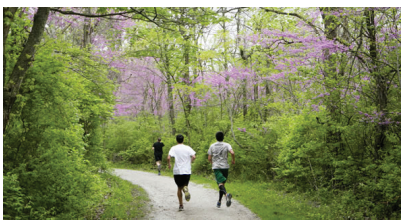
Open Fields

Restrooms

Exercising stations

Food Truck

Play Area


Trails

Chattahoochee Hills

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Chattahoochee Hills

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College of Environment + Design

Hutcheson Ferry Park

1. Parking lots
2. Welcome Center
3. Food Trucks
4. Market & Workshop
5. Open-air Cinema
6. Stage
7. Outdoor Sports Area
8. Dog Park
9. Kids Play Area
10. Fishing Area
11. Entrance & Exit
12. Main Road
13. Multi-Use Trails
14. Campground
15. Restroom

The key words of this design idea are "nature" and "explore". This project site is designed to be a multi-functional land with environmentally friendly and entertainment functions. The whole site is designed based on building multi-use trails, outdoor sports areas, fishing areas and other entertainment elements.

200 0 200 400 ft.

Kunyang Guo
LAND 4060S
Professor Longenecker
Spring 2019

Precedent Study: Southern the West Festival

This site is located in Austin, Texas. Like the project site, this area has quite open space for festival using, and the trails are designed to connect every area very well. The site keeps the green space and doesn't develope so much, which can be a great example for this project.

Stage: The stage is a circular stage during festival events. People can sit around the stage and watch from every different angle. This place can also be used to hold meeting or other events for city Hall or other organizations.

Market & workshop: The area for market and workshop is an open space will full of temporary tents during special events.

Trails: I designed multi-used trails for this project. Those trails can be used as hiking, biking or runing. All trails connect with every place in this site.

Open-aiir & Drive-in Cinema: This area can hold more than 600 people as an open-air cinema, and can hold more than 100 viehicles as a drive-in cinima.

Campground: This space is a flexable space. It is the high poinnt of this site. Standing at here, it will provide a great view, and it's easy to view the whole site. It can be a great place as campground, and aslso a great space to hang out.

Food trucks can be a good idea for people getting food and drink during festival events. The food truck area also included rest area

Entrance and Exit: the main idea is creating a two-way road for people who want to drive in this site, also for emergency using. Two side walks for separating pedestrians from vehicles.

There are two parking lots in this site. Both of them can hold more than 130 viehicles. All parking lots connect with trails for visitors go through the whole site.

The welcome center is a temporary structure that provide information service during festival events

Fishing area: build near the lake, an extention structure on the lake, provide fishing service for people.

Chattahoochee Hills

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Hutcheson Ferry Park

1. Parking
2. Granite Boardwalk
3. Stables
4. Civic Center
5. Plaza/Food Truck Station
6. Trails (1.5 Miles)
7. Multi-Use Trail
8. Playground
9. Activity Green
10. Art Meadow
11. Amphitheater/Green
12. Ticketing Entrance and Restrooms
13. Campgrounds with Pavilions and Grills

The design of this park focuses on an Olmsteadian influence with a modern twist, with large sinuous lines and fields. The park boasts large amounts of activities, sure to please all. Additionally, the entire design takes topography heavily into account; thus, construction will be quicker and cheaper.

200 0 200 400 ft.

Jonah Owens
LAND 4060S
Professor Longenecker
Spring 2019

Hutcheson Ferry Park: The Design

This park is brought to you by the people of Chattahoochee Hills.

In preparation for designing this park, preferential surveys were collected by the class. These surveys could then be tallied and used to create a "wish list" of the community. We took the information and created a word cloud. The larger the word in the word cloud, the more it appeared in the survey responses.

This design heavily takes the word cloud into account. The programming was drawn from the peoples' choices.

The Community Center

A community center open to all. This building will post public gathering spaces for meetings, exhibits or events. Also it will boast workout spaces and offices for the Parks and Recreation Department.

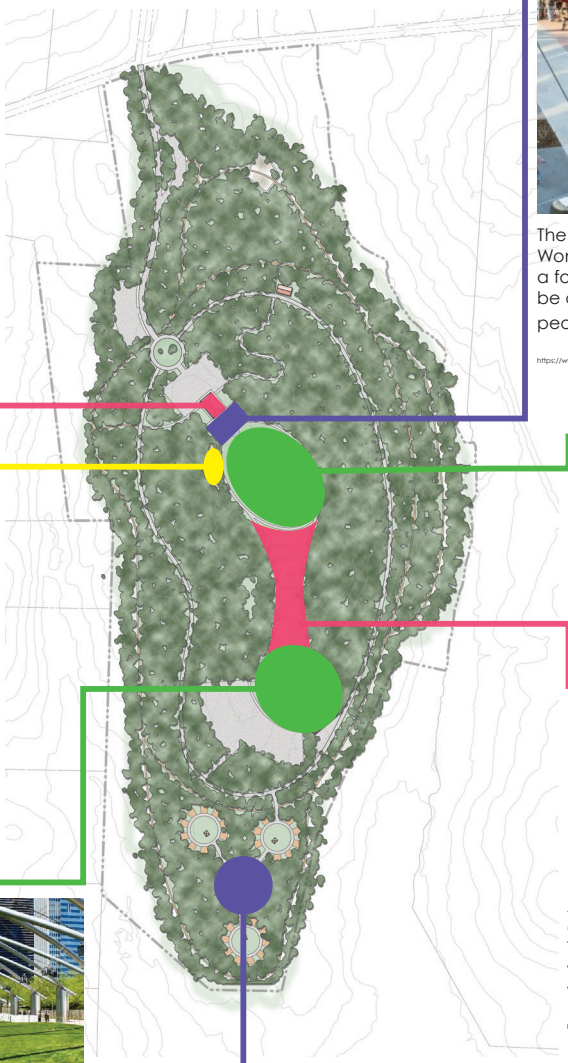
Oconee Veterans Park in Oconee County, Georgia boasts a similar center with great success.

https://www.architectural-review.com/today/lavezzorio-community-center-by-studio-gang-architects-chicago-usa/8601039.article

The Plaza

The Plaza will be truly elegant, yet utilitarian. Wonderful shade trees, tables, sculptures and a fountain will adorn this space. The plaza will be able to accommodate a large gathering of people for farmers markets or food truck festivals.

https://www.specialolympicsco.org/impropercityplunge/



The Playground

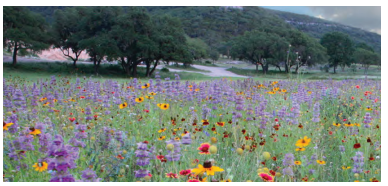
The playground will be able to host a large amount of children; thus, the Park will grow with the city. A new and exciting nature-play playground will be at the center of children's imaginations.

http://www.thechildrensplayground.com/playgrounds-near-me/tickmarsworth-barton-way

The Activity Green

The Activity Green will boast 4 acres of open space. This area is largely similar to the large open spaces boasted by Piedmont Park. The green could host Frisbee, soccer or even a game of tag. The green will be large enough for the whole community to enjoy, whether playing a game or sunbathing.

The Art Meadow



A large "art meadow" will connect the activity green with the amphitheater. This meadow will be planted with native wildflowers and shrubs. Local art exhibitions will be intermixed within the wildflowers.

http://fitoccanon.com/properties/the-meadow-at-fito-canon/

The Ampitheater

This large open Amphitheater would be an anchor of the site. The amphitheater would boast 850 fixed seats and a large lawn space to accommodate larger events. Similar to the amphitheater at Millennium Park in Chicago, the green space could function as another activity green. The placement is also in a natural topographical depression, thus saving construction costs and time.

https://www.123rf.com/photo_11314669_jay-pritzker-pavilion-an-outdoor-amphitheater-in-millennium-park-chicago-illinois.html

The Camping

Thirty three public camping sites are located near the Palmetto Reserve. This sites will have raised platforms for tents and provide a great outdoor experience. Also at the center of each ring there will be pavilions and grills to be used by the campers.

https://cinnamonbayresort.com/about/about-our-resort-campground/stay/tent-camping/

Chattahoochee Hills

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College of Environment + Design

Hutcheson Ferry Park

1. Parking (224 spaces)
2. Dog Park
3. Food Truck Loop
4. 1.75-mile Walking Trail
5. Open Air Pavilion
6. Bathrooms
7. Activity Field
8. Playground & Lookout Point
9. Accessible Workout Station
10. Hiking Trail
11. Great Lawn
12. Amphitheater (855 person capacity)

The current Hutcheson Ferry Park is 105 acres and lacks a lot of amenities that the community of Chattahoochee Hills desires. This plan offers those amenities the community desires based off the data that was collected from the charrette with the community members. With a dog park at the beginning, a playground and lookout point at the climax of the hill, and the amphitheater at the bottom of the natural bowl, the park offers interest the whole site. Accessible workout areas are located along the hiking and walking trails that span around the whole site with many bathroom located throughout the site.

200 0 200 400 ft.

Stuart Harriott
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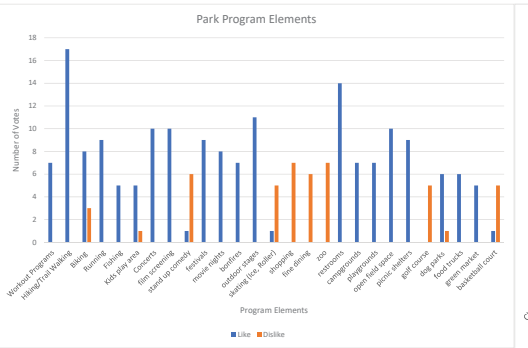
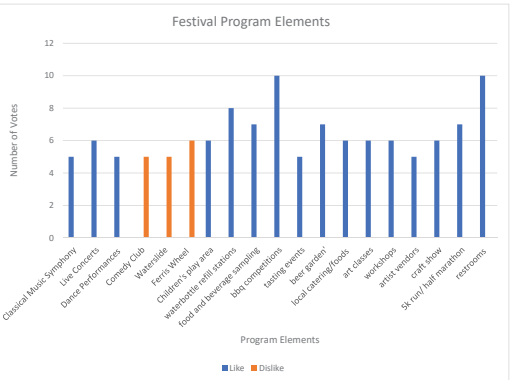
Professor Longenecker
Spring 2019





1. A parking lot style that would serve the Hutchinson Ferry Park well

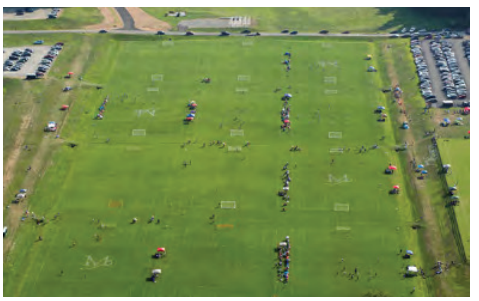
2. The Newtown Dog park in Johns Creek that I believe fits Hutchinson Ferry Park.

3. A food truck loop in Arizona that would serve the food truck events in Chattahoochee hills efficiently.

4. Two examples of walking trails that would fit the build for Hutcheson Ferry park. Both are wide enough for an emergency vehicle.

5. A good example of a non-gendered floor to ceiling individualized bathroom style.

6. A modern but rustic example of a good open air pavilion that could serve as a farmers market, or secondary stage.



7. An example of large open activity fields, these are setup in a soccer configuration, but could be used for a wide range of things.

8. A playground fit for any child to play on and have a good time.

8. An example of a lookout point in California that would serve the overlook to the amphitheater well.

9. An accessible workout area that are situated along the walking trail. 8 stations are along the trail.

10. 11. A hiking trail that has been left natural which would be good for Hutcheson Ferry park which leads to a great lawn aspect with seating for the amphitheater.

12. An example of a tensile amphitheater with limited sitting that would flow into the great lawn.

Chattahoochee Hills

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Hutcheson Ferry Park

1. Parking Lot
   - A: 220 Parking Space
   - B: 100 Parking Space
   - C: 75 Parking Space
2. Front Plaza
3. Bike Rental Center
4. Welcome Center
5. Restroom
6. Outcrop
7. Event Plaza(Food Trucks & Outdoor Stage)
8. Playground
9. Picnic Area
10. Open Space with Hammocks
11. Dog Park With Sitting Area
12. Rest Stop with Water Bottle Refill Station
13. Camping Area
14. Fishing
15. Picnic Area With BBQ

The purpose of my design is to create outdoor activity and recreation spaces for residents. This design aims to keep more existing landscape to reduce the influence to the environment.

200 0 200 400 ft.

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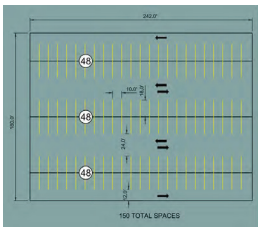
Professor Longenecker
Spring 2019

Parking Lot

Total area: 3.4 Acer Total parking space: 395

Size refer to :



https://ag.tennessee.edu/cpa/Information%20Sheets/CPA%20222.pdf

A parking ramp slope of 5% or less is preferred, although parking ramp slopes up to 7% are tolerated by the public in very dense urban areas. Parking ramp slopes should not exceed a 6.67% slope, which is the maximum parking slope permitted in the International Building Code (IBC).

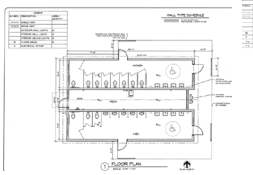
https://ccdcboise.com/wp-content/uploads/2014/11/CCDC-Boise-Parking-Structure-Design-Guidelines_2016-Final-Draft-08-04-2016.pdf

Welcome Center

-Provide park's map for vistors
-Provide the event imformation: Date;Food type from food truck; Products from Market;Movie night; Dog shows; pet adoption...etc.

https://www.messiah.edu/info/23049/kim_s_phipps_admissions_and_welcome_center

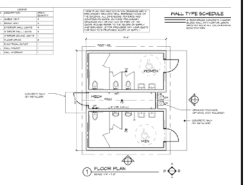
Restroom



Toilets: 16 toilets x2
Footprint: 1,212 Sq. Ft.

Next to event plaza, playgroud

http://romtec.com/standard_restrooms/



Toilets: 6 toilets x2
Footprint: 464 Sq. Ft.

Next to dog park, camping site

Event Plaza

Total area: 3.5 Acer

Food Truck

-Truck Exterior dimensions: 24' to 26' Length
--Truck cannot climb hills with 30 percent grade or higher
--The maximum amount of customers the average food truck is capable of serving in an hour is in the 80-120 range

Outdoor Stage&Cinema

Total Floor Space 9.76m x 6.1m
Covered Area 8.72m x 6.72m

http://innovation-productions.com/staging/outdoor-stages/medium-outdoor-stage/

Market

-Weekly vendors
-Seasonal vendors
-Sitting area

https://clmatl.org/grantpark/

Others

Rest Stop

Hammock Area

Dogpark

Total area: 3 Acer

-Dog parks do not necessarily have to be located on perfectly flat areas, some slope might bring more pleasure to dog.
-Have benches or available seating. A dog park can be a great place to meet fellow residents and socialize.

http://www.doodycalls.com/blog/ten-tips-for-planning-and-building-a-dog-park-in-your-community/

Trails

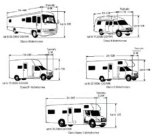
Choices for trails

Easy mode; road is wide and comfortable. flat

Challenging mode; narrow,rugged.

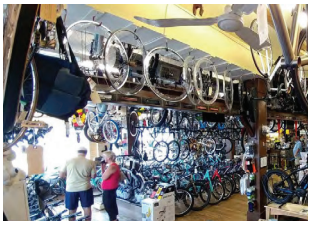
Camping Area

Total area: 3.9Acer



While it is easiest to camp on flat ground, sometimes camping on sloped ground is inevitable. Sloped ground, embankments, hills, and mountainous terrain are not the friendliest areas for camping, but with a few tips and tricks, you can make the most of the angled ground and still enjoy yourself.

Bike Rental Center



Playground

Total area: 1.6 Acer

Have Sitting area or some place for parents when their kids in the playground.

Next to restroom for kids clean their hand.

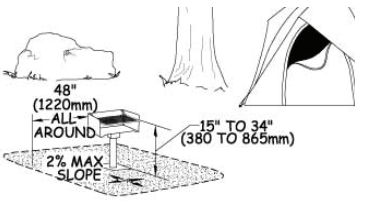
Outcrop

Existing views

Picnic Area

Picnic area next to playground without BBQ, keep kids away from fire

https://mostateparks.com/page/54209/picnic-areas



Clean space for BBQ

Chattahoochee Hills

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Hutcheson Ferry Park

1. Community Garden
2. Parking (250 Spots)
3. Maintenence Shed
4. Comfort Station
5. Playground
6. Dog Park
7. Start of Pony Trail
8. Multi-Use Trail
9. Open Space
10. Start of Hiking Loop
11. Pavillion
12. Meadow of Native Plants
13. Botanical Terraces
14. Open Space with
15. Sculptures
16. Amphitheater (500 seats)
17. Food Truck Plaza

The design for Hutcheson Ferry Park is naturalistic, low impact, and centered around the site's existing slope and contours. For most of the year, the park exists as a passive space, with multi-use trails for hiking, biking, horseback riding, and leisurely walking. The highest and flattest point of the site features a walk with meadows of native Georgia plants, and botanical terraces to stroll through during the warmer months. Towards the bottom of the site, large sculptures made by local artists sit within the vast open space, playing with the viewers sense of scale. At the bottom of the park is an amphitheater with 500 fixed seats, as well as lawn space to accomodate more people. Attached to the amphitheater lies a food truck plaza which can be best utilized during concerts.

200 0 200 400 ft.

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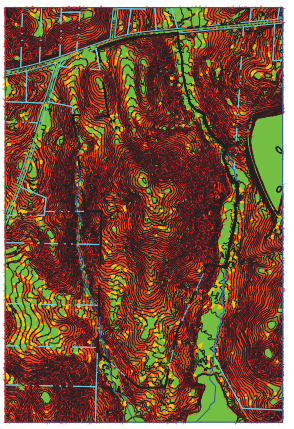
LAND 4060S
Professor Longenecker
Spring 2019

HUTCHESON FERRY PARK ANALYSIS

Hutcheson Ferry Park is located on a site with mainly steep slopes (exceeding 15 %) and therefore is hard to develop on without it being costly. By preserving most of the area's topography, I was able to play with the contours and highlight their significance in my design. The trail systems are all set on contours, and they can be celebrated best in the middle of the park. A botanical area with a pavillion looks out from the area's highest and flattest point, allowing the viewer to experience a unique perspective of the entire park.

Word Cloud



Slope Analysis

Exisiting Site

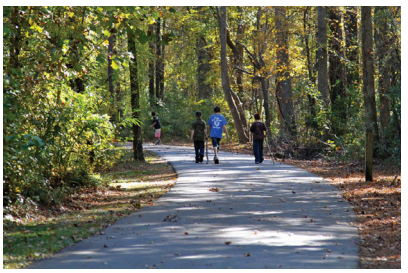
HUTCHESON FERRY PARK DESIGN ELEMENTS

1.

4.

5.

8.



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Chattahoochee Hills

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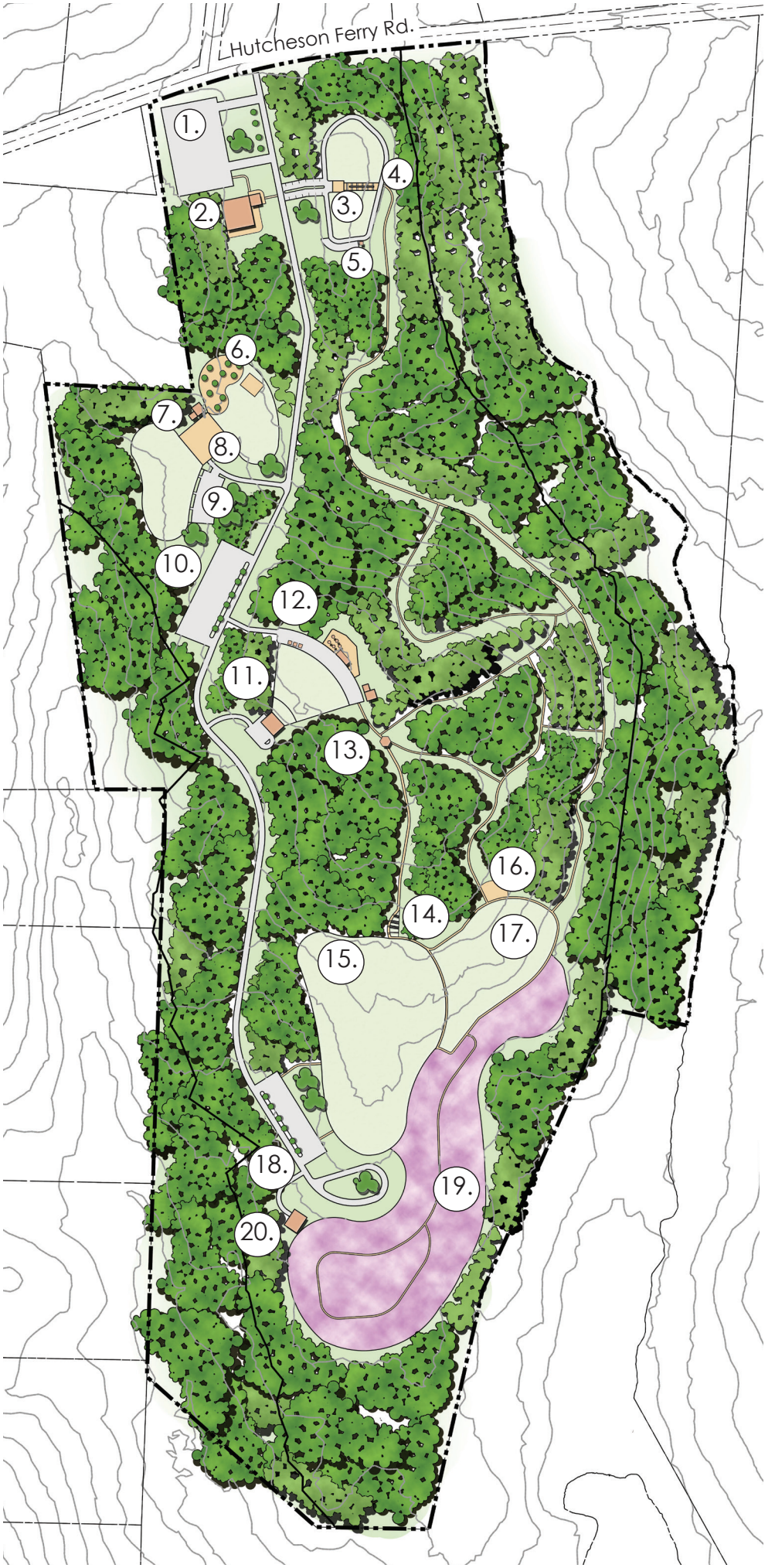

Hutcheson Ferry Park

1. Parking Area (90 spots)
2. Welcome Center + Community Event Barn
3. Multi-Use Grand Staircase
4. Nature Trails
5. Parking (22 spots)
6. Sculptural Playground + Tree Bosque Seating Area
7. Restrooms
8. Flex Patio + Food Truck Space
9. Parking (18 spots)
10. Event Parking (134 spots)
11. Amphitheater + Stage
12. Ticketing + Vendor Space
13. Overlook Pavilion
14. Terraced Garden Walk
15. Open Field Space
16. Outdoor Fitness Station
17. 1/4 Mile Walkng Loop
18. Parking (37 spots)
19. Meadow Walk
20. Service Shed

Located just south of the thriving metropolis of Atlanta, Hutcheson Ferry Park has the potential to become a naturalistic oasis and entertainment hub for the city of Chattahoochee Hills. The master plan includes amenities focusing on entertainment, recreation, and community. The intent behind this design is to respect the park's existing bountiful natural resources while adding additional elements that will ultimately benefit the city of Chattahoochee Hills socially and economically.

200 0 200 400 ft.

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Professor Longenecker
Spring 2019

Entertainment

The proposed entertainment opportunities will turn Hutcheson Ferry Park into not just a park, but an experience.

Program Elements

- Amphitheater
- Concerts
- Film Screening
- Outdoor Stages
- Food Trucks
- Festivals
- Barn Event Space

Recreation

Whether hiking the 1/2 mile trail, biking the hills, or walking the 1/4 mile park loop, Hutcheson Ferry Park has an outdoor activity for all levels.

Program Elements

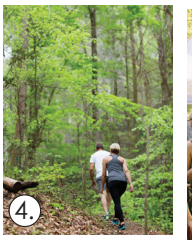
- Trail System
- Hiking
- Running
- Biking
- Walking Loop
- Workout Programs

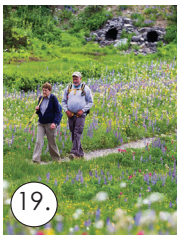
Community

The community elements of the park will give the people of Chattahoochee Hills a place to engage, connect, and host.

Program Elements

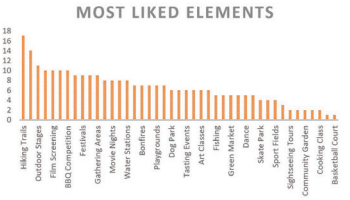
- Open Field Space
- BBQ Competitions
- Craft Shows
- Open Market
- Tasting Events
- Picnic Shelters
- Playgrounds
- Gathering Areas
- Bonfires

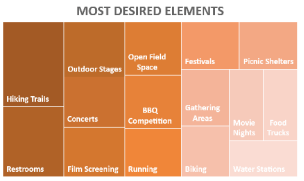


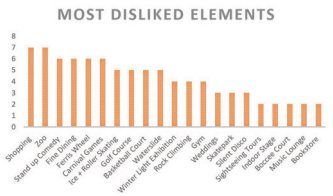


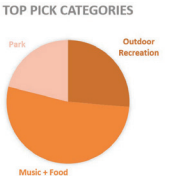
Community Feedback

Design Element Survey results from approximately 35 community members:

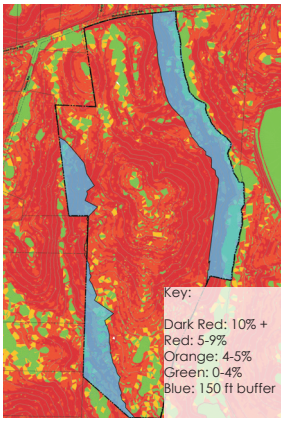




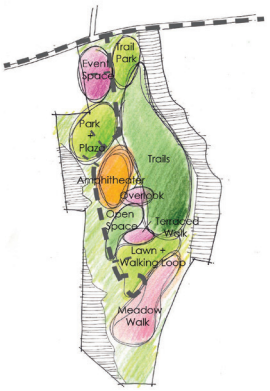




Site Analysis



Concept Diagram



Dimensions

Event Space
- 6,000 sf
- 90 parking spaces

Flex Plaza
- 10,000 sf
- 18 parking spaces

Amphitheater
- Stage: 2,000 sf
- 500 fixed seats
- 30,000 sf lawn
- 125 parking spaces

Trail System
- Main Walking 1/2 mi.
- Run+Bike 1/4 mi.
- Formal Loop 1/4 mi.
- 22 parking spaces

Hutcheson Ferry Park

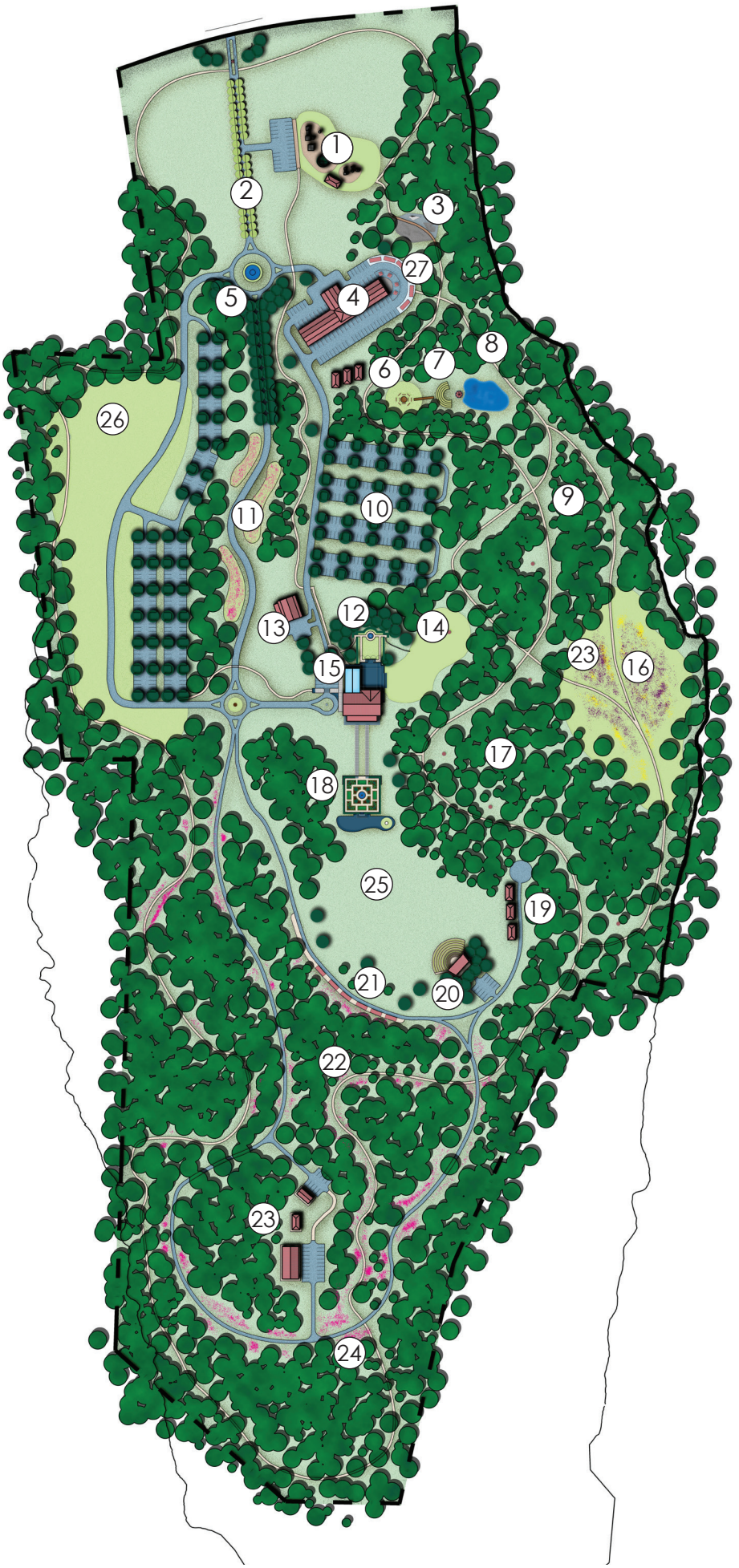
Anna Leigh Turner

Hutcheson Ferry Park is designed with intention. Based on recent surveys from the community as well as site analysis, the master plan aims to provide the people of Chattahoochee Hills with what they want: a destination for entertainment, outdoor recreation, and community.

Chattahoochee Hills

University of Georgia College of Environment + Design

Hutcheson Ferry Park



1. Playground
2. Entry Allee
3. Outcrop Boardwalk
4. Market Pavilion
5. Magnolia Lane
6. Fire Circle
7. Small Amphitheater
8. Fern Glade and Pond
9. Sculpture Woods
10. Parking
11. Bulb Drive
12. Formal Event Lawn
13. Maintenence Barn
14. East Lawn
15. Botanical Garden Center
16. Wildflower Meadow
17. South Woods
18. Rose Garden
19. Restrooms
20. Amphitheater
21. Food Truck Alley
22. Nature Trail
23. Picnic Pavilions
24. Rhododendron Drive
25. Great Lawn
26. Overflow Parking
27. Market Food Trucks

200 0 200 400 ft.

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