

Wilmer's Park - Brandywine, MD



ACKNOWLEDGMENTS

We thank all who participated in the project meetings, site visits, guest lectures, and reviews. A special thanks to the community members and Arthur Wilmer's family members we were able to talk with during the Wilmer's Park Reimagined Community Day.

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pgparks.com



University of Maryland
Department of Plant Science and Landscape Architecture

LARC340- Site Planning and Design Studio
Fall 2022

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Landscape Architecture

DEPARTMENT OF PLANT SCIENCE AND LANDSCAPE ARCHITECTURE

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Project Description

Wilmer's Park is a "80-acre parcel containing the ruins of a dance hall, motel, ranch house, covered stage, baseball and football fields. As a major stop on the Chitlin Circuit, Wilmer's Park opened its doors to African-American musicians, entertainers, athletes and fans from the early 1950s through the late 1960s. Arthur Wilmer used his experience and connections developed as the owner of a night club in Washington, D. C. to bring both popular acts and up-and-coming performers to rural Prince George's County; the bandstand at Wilmer's Park showcased everyone from Duke Ellington and Otis Redding to the Temptations, Patti La Belle, and a young Stevie Wonder. The former tobacco farm played an important role in exposing emerging musicians to local African Americans during a time of segregation." The park has been closed for a while and the purpose of this project is to transform Wilmer's Park for the residents of Brandywine or nearby communities.

For this project, students work in teams of three to design a master plan along with an individual detailed site plan. The design program for these plans came from the residents' comments from community engagement workshop, notes from Councilman Harrison's interview, important stakeholders, the field trip, and guest lectures. The master plan does not include all 80 acres of the park and often identifies a phasing plan for the entire project.



Students and reviewers at the final presentation



Students walking through Wilmer's Park

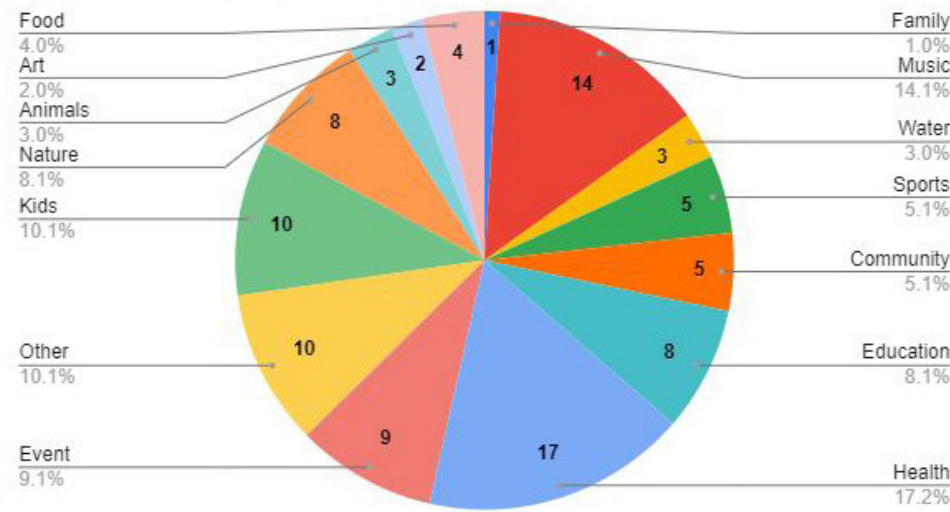
Site Inventory

- Community Wants- Thomas Adams
- Potential Vegetation- Bryce Akers
- Zoning- Edenilson Contreras
- Neighborhood History- Isiah Dashiell
- Physiographic Region and Forest Cover Type- Abby Erwin
- Fauna- Cierra Hargrove
- Wilmer's Park History- Ryan Jeon
- Circulation and Transportation- Madison Mohan
- Slope Analysis- Matthew Ourand
- Demographics- Gabrielle Shelton
- Hydrology- Emmeline Steuernagle
- Soil- Kennedy Thomas-Cogar
- Context- Charlotte Yang
- Master Plan- Yasemin Cakil

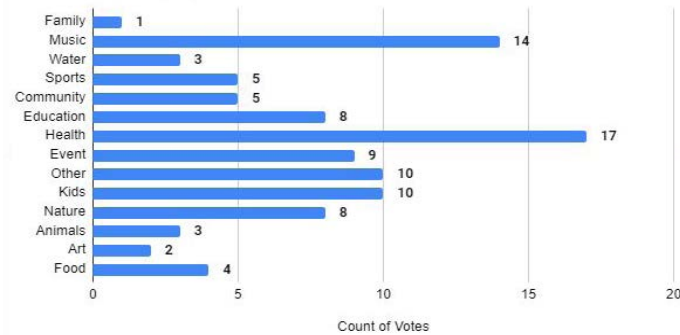
Community Wants



What the Community wants at Wilmer's Park



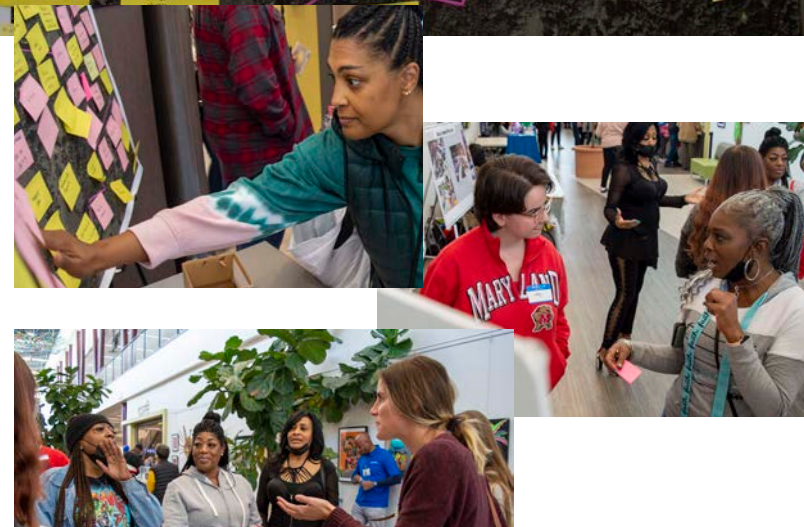
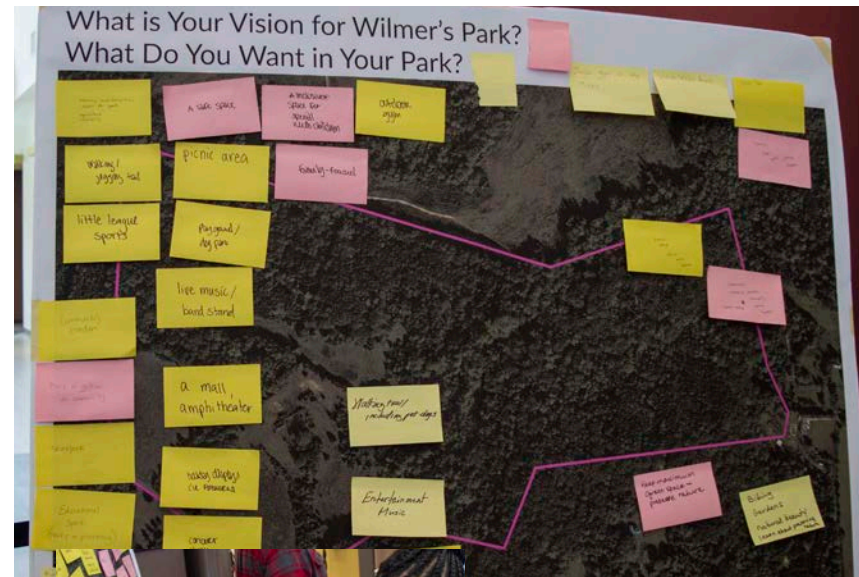
Count of Category	Column Labels (blank)	Nature	Music	Kids	Health	Community	Grand Total
Arts	2						2
Community	4	1					5
Education	8			1			9
Family	5					1	6
Health	2	1					3
Kids	8	1	1				10
Memorial	1						1
Music	12					1	13
Nature	4				1		5
Other	12				1		13
Grand Total	58	3	1	1	2	2	67



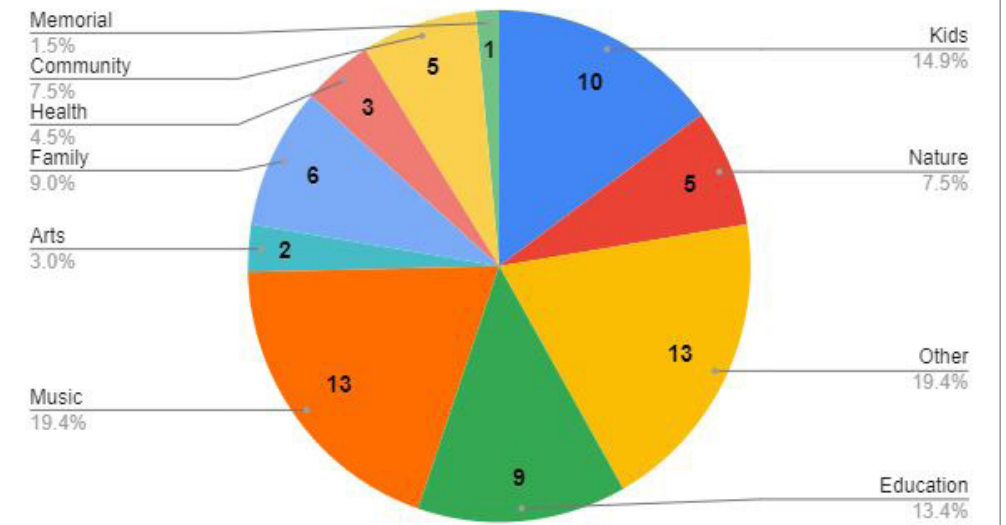
At the Wilmer's Park Reimagined Community Day, there was a booth that asked these questions: what is your vision for Wilmer's Park and what do you want in your park? The community wrote their answer down on post-it notes. The graphs are the results of those questions being answered.

The main ideas they envisioned at the park are music, kid friendly, and family orientated. While the items that they want in the park are healthy activities (walking trails, biking trails, etc.), Music event space, and activities for kids (sports, playground, etc.)

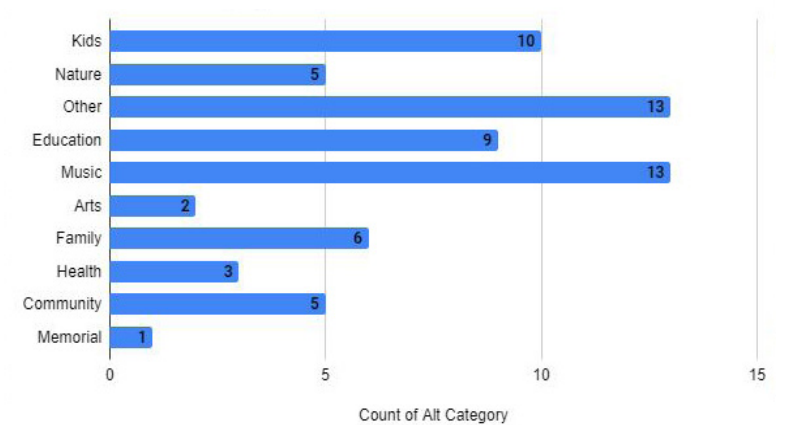
While the Park and Planning staff wanted to keep Wilmer's house and use it for a museum but were open to all other ideas.



What the Community envisions at Wilmer's Park

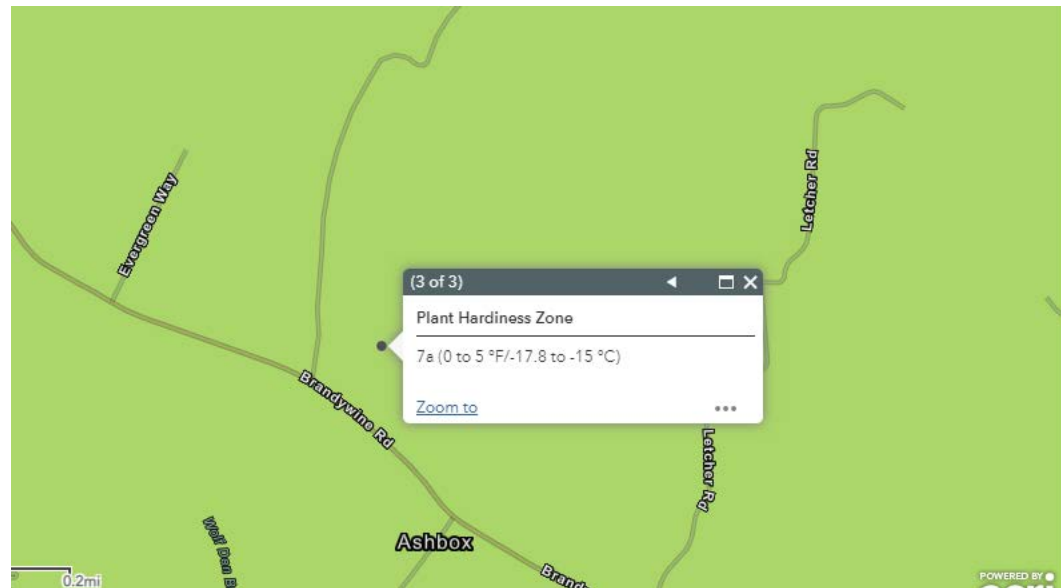


Count of Category	Other	Nature	Music	Health	Food	Event	Education	Animals	Grand Total
Animals								3	3
Art								2	2
Community					3			5	5
Education		1						8	8
Event	1		1					9	9
Family								1	1
Food								4	4
Health			1					1	17
Kids	4	1		5				10	10
Music					8	1		14	14
Nature					1			8	8
Other	10							10	10
Sports				2				5	5
Water		1						3	3
Grand Total	72	2	3	1	7	4	8	1	99



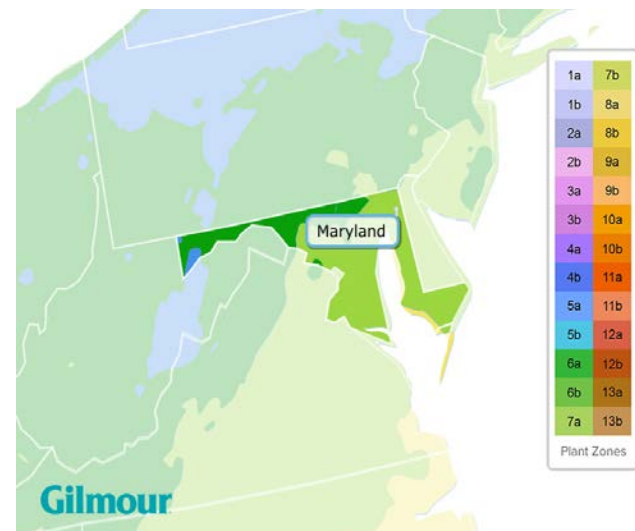
Potential Vegetation

There are plenty of plants that can survive in this conditions, but here are a few options:



Plants need to be able to sustain life in areas that are:

- * Located in the 7a plant hardiness zone
 - Temp can drop to roughly 0° F to 5° F
- * Soil type ranges from A, B, and D soil
- * Potential direct sun light
- * Deer resistant



Perennials:

* Black-Eyed Susan (*Rudbeckia hirta*)



* Cat mint (*Nepeta* spp)



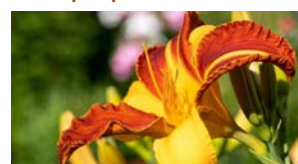
* Coneflower (*Echinacea purpurea*)



* Creeping Phlox (*Phlox stolonifera*)



* Daylily (*Hemerocallis* sp.)



* Lavender (*Lavandula* spp)



* Yarrow (*Achillea millefolium*)



White, Jason. "15 Full Sun Perennials for Hardiness Zone 7." All About Gardening, 2 Nov. 2022, <https://www.allaboutgardening.com/zone-7-sun-perennials/>.

Trees:

* River Birch (*Betula nigra*)



* Weeping Willow (*Salix babylonica*)



* Northern Red Oak (*Quercus rubra*)



* Eastern Redbud (*Cercis canadensis*)



* Ylang Ylang Tree (*Cananga odorata*)



* Natchez Crape Myrtle Tree (*Lagerstroemia* x 'Natchez')



Haines, Brit. "17 Of the Most Popular Fast Growing Shade Trees for Your Yard." Garden and Happy, 30 Dec. 2019, <https://gardenandhappy.com/fast-growing-shade-trees/>.

FastGrowingTrees.com, [https://www.fast-growing-trees.com/collections/shop?type=product&q=all%2Bproducts#/\\$253F_1/filter:state_cat:Flowering\\$2520Trees/filter:-search_zones:7](https://www.fast-growing-trees.com/collections/shop?type=product&q=all%2Bproducts#/$253F_1/filter:state_cat:Flowering$2520Trees/filter:-search_zones:7).

Shrubs:

* Pink Muhly Grass (*Muhlenbergia capillaris*)



* Wintergreen Boxwood Shrub (*Buxus sinica* var. *insularis* 'Wintergreen')



* Lynwood Gold Forsythia Shrub (*Forsythia* x *intermedia*)



* Endless Summer® Hydrangea Shrub (*Hydrangea macrophylla* 'Balmer')



* Common Purple Lilac (*Syringa vulgaris*)



* Snowball Bush (*Viburnum macrocephalum* 'Sterile')



FastGrowingTrees.com, [https://www.fast-growing-trees.com/collections/shop?type=product&q=all%2Bproducts#/\\$253F_1/filter:state_cat:Shrubs\\$2520\\$2526\\$2520Hedges/filter:search_zones:7](https://www.fast-growing-trees.com/collections/shop?type=product&q=all%2Bproducts#/$253F_1/filter:state_cat:Shrubs$2520$2526$2520Hedges/filter:search_zones:7).

Zoning

EXISTING ZONING:
AGRICULTURAL AND PRESERVATION



PRIOR ZONING:
OPEN-SPACE



AGRICULTURAL AND PRESERVATION ZONE (AG) PURPOSES:

- PROVIDE FOR LOW DENSITY AND DEVELOPMENT INTENSITY AS INDICATED ON THE GENERAL PLAN, MASTER PLAN, OR SECTION PLAN.
- PROVIDE FOR AREAS WHICH ARE TO BE DEVOTED TO USES WHICH PRESERVE THE COUNTY'S ECOLOGICAL BALANCE AND HERITAGE.

THE USE OF 'AG ZONE' IS INTENDED TO PROMOTE THE ECONOMIC USE AND CONSERVATION OF AGRICULTURE, NATURAL RESOURCES, RESIDENTIAL ESTATES NONINTENSIVE RECREATIONAL USE AND SIMILAR USES. THE AG ZONES ENSURES THAT THE OPEN SPACES ARE DESIGNED TO MAXIMIZE PRESERVATION AND PROTECTION OF IMPORTANT NATURAL AND AGRICULTURAL RESOURCES.

OPEN SPACE (O-S) PURPOSES:

- PROVIDES FOR AREAS OF LOW-INTENSITY RESIDENTIAL DEVELOPMENT
- PROMOTES THE ECONOMIC USE AND CONSERVATION OF LAND FOR AGRICULTURE
- NATURAL RESOURCE USE
- LARGE LOT RESIDENTIAL ESTATES
- NONINTENSIVE RECREATIONAL USE

(2) Intensity and Dimensional Standards		
Standard(1)	Single-Family Detached Dwelling	Other Uses
Density, max. (du/ac of net lot area)	0.20	No requirement
Net lot area, min. (ac)	5.00	5.00
1 Lot width, min. (ft)	300	300
Lot frontage (width) at front street line, min. (ft)	240	240
Lot coverage, max. (% of net lot area)	5	25
2 Front yard depth, min. (ft)	50	50
3 Side yard depth, min. (ft) (2)	20	20
4 Rear yard depth, min. (ft)	20	20
5 Principal structure height, max. (ft)	35	35
Accessory structure height, max. (ft) (3)	15	15

NOTES: du/ac = dwelling units per acre; sf = square feet; ft = feet

- (1) See measurement rules and allowed exceptions in Section 27-2200, Measurement and Exceptions of Intensity and Dimensional Standards.
- (2) On corner lot, min. side yard depth alongside street = 50 ft. 4
- (3) May be increased for certain purposes by approval of a special exception pursuant to Section 27-3604, Special Exception, and may be increased to forty (40) feet with approval of a Special Exception, if the building is used for agricultural purposes and is erected on property (used for agriculture) containing at least five (5) acres.

Neighborhood History

Brandywine is the area of the beginning of Prince George's County. Most of the first political meetings were conducted at St. Paul's Church, in Brandywine.

William H. Early named the town of Brandywine as property he owned in the mid-19th century. It is thought to be named from the Battle of Brandywine in Pennsylvania. Brandywine was developed on the Baltimore and Potomac Railroad's Pope Creek (Southern Maryland) line in about 1873 and was the only town on the route that developed into a railroad town. Historically, Brandywine was the site of a bloody slave rebellion in 1739 and home to Francis Scott Key and John Wilkes Booth. Today, it remains a town that is slow, decidedly rural, and sandwiched between two suburbs: it lies within the outer suburban Washington D.C. area and is also a close suburb of Waldorf. The Village of Brandywine, once defined by the railroad and a vast expanse of tobacco plantations, is undergoing a transformation. Brandywine is well on its way to becoming a mega-suburb.



2020 Population Estimate: 8500-10600

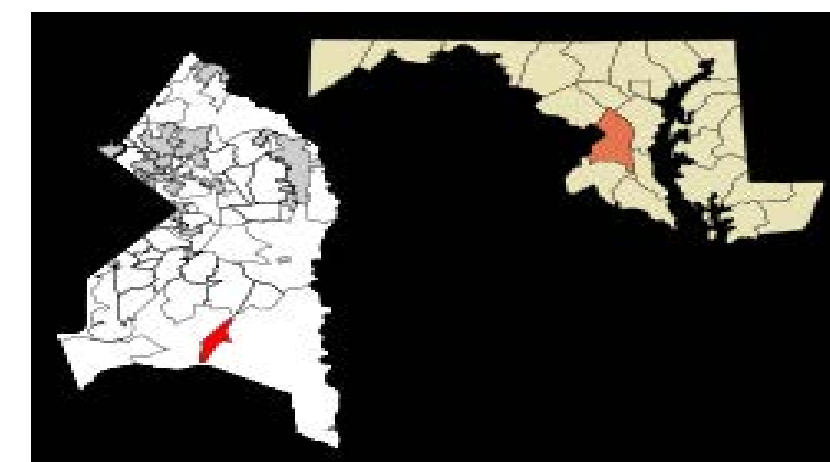
2010 Population Estimate: 12000

Area code: 240, 301

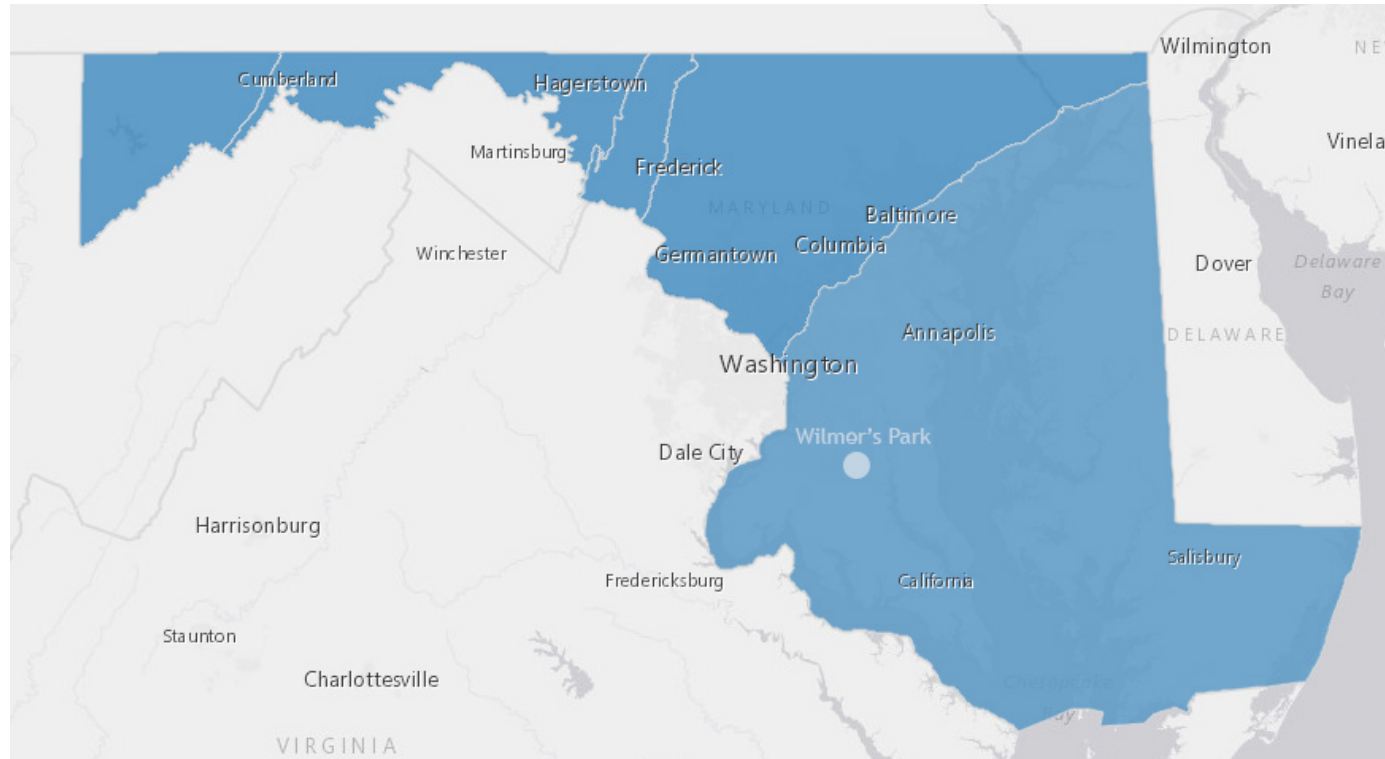
County: Prince George's

State: Maryland

ZIP Code: 20613



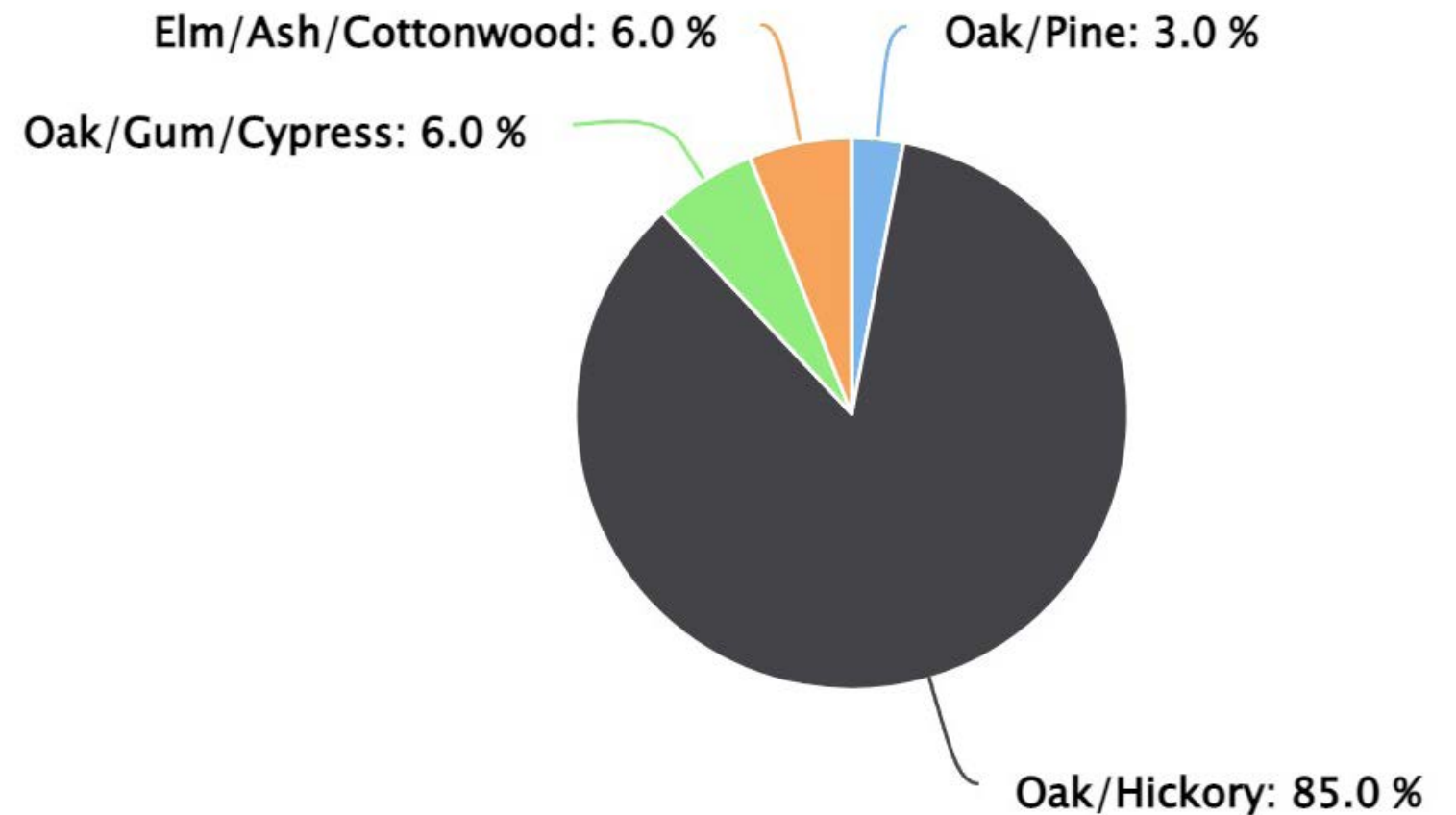
Physiographic Region and Forest Cover Type



ATLANTIC COASTAL PLAIN

- West boundary is the eastern edge of the Fall Zone where easternmost contact with crystalline bedrock occurs; east boundary is sea level -- i.e., shorelines of the major estuaries and the Atlantic.
- Mostly unconsolidated sand, gravel, silt, and clay of both terrigenous and marine origin. Organic-rich in places, including lignitized wood; iron- and silica-cemented in places.
- An eastward-thickening clastic wedge of gently southeast-dipping sediments overlying crystalline basement rocks. Flexures and faults buried beneath the sediment cover.
- A seaward sloping plain extending from Cape Cod to the southern tip of Florida. In Maryland, consists of a fairly flat to moderately rolling upland and an even flatter lowland.
- Source (<https://data.imap.maryland.gov/datasets/96405b5a3e8846dc-b0069727277e4ad0/explore?location=38.892810%2C-77.299774%2C8.00>)

Forest Types for PG County



Fauna

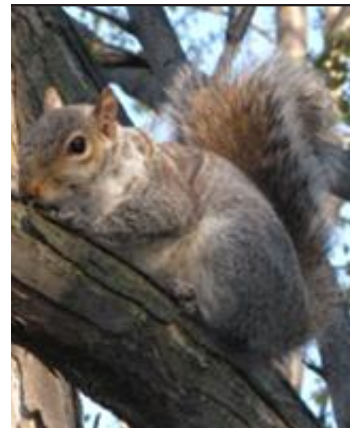
Observations and Analysis

- When on site, I noted the large amount of crickets in the grass areas
- Because of a high deer population being located near a forest, plantings with deer resistance are preferred

Common Mammals



White-tailed Deer



Eastern Grey Squirrel



Eastern Cottontail



White-footed Deermouse



Groundhog



Common Starling



Downy Woodpecker



Eastern Redback Salamander



Eastern Box Turtle

Common Birds



Red-tailed Hawk



Northern Cardinal

Common Butterflies/Insects



Eastern Yellow Swallowtail



Monarch



Katydid



Field Cricket

Common Reptiles/Amphibians



American Bullfrog



Eastern Copperhead



Grey Fox



Little Brown Bat

Wilmer's Park History

1897- TOBACCO FARM LOCATED IN IN BRANDYWINE, MD. THE PROPERTY WAS OWNED BY THE GRIMES FAMILY (JOHN GRIMES)

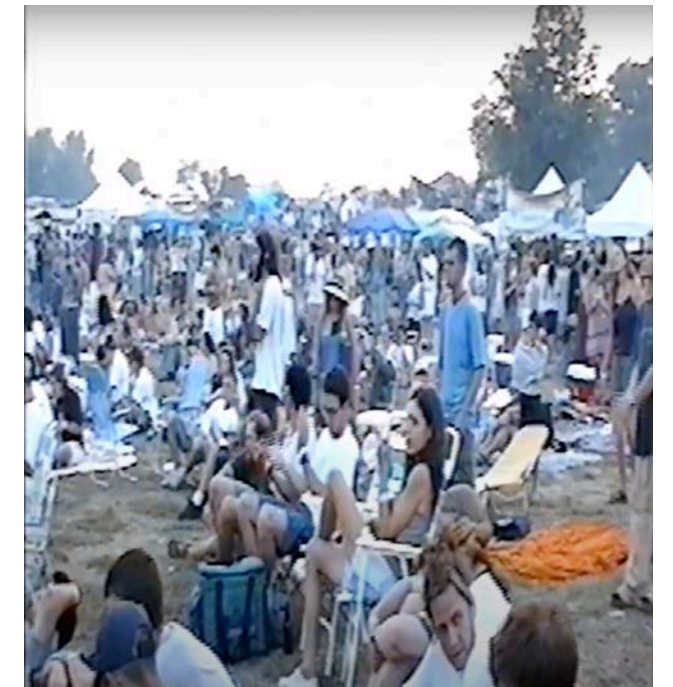
1947- THE TOBACCO FARM IS ACQUIRED BY AN AFRICAN AMERICAN MAN NAMED AR-THUR WILMER. THE PROPERTY WAS PURCHASED FOR \$6500, AND THIS ARE EVEN-TUALLY BECOMING KNOWN AS WILMER'S PARK. ONE OF THE FIRST USES OF THIS RECREATIONAL AREA WAS A BASEBALL FIELD FOR THE NEGRO LEAGUE. THERE WAS ALSO A BALLROOM THAT WAS BUILT, WHICH COULD HOLD AROUND 600 GUESTS.

1950S-1960S- SOCIAL PEAK OF WILMER'S PARK. MANY AFRICAN AMERICAN ARTISTS WERE USING THIS VENUE TO PERFORM. THIS WAS DUE TO THE SEGREGATION OF RACE DURING THIS PERIOD, WHICH GAVE LIMITED OPTIONS FOR AFRICAN AMERICAN ARTISTS TO PERFORM.

1980S- DUE TO SHIFT IN MUSIC AND CULTURE, THE VENUE HAD TO ADJUST TO THE PERIOD AND STARTED ATTRACTING A DIFFERENT CROWD. THE VENUE BROUGHT ARTISTS SUCH AS JERRY GARCIA AND METALLICA. THE VENUE EVEN HELD WOODSTOCK ANNIVERSARY CELEBRATIONS.

1990S- RAVES AND HEAVY METAL BANDS ENTERED THE MUSIC SCENE. BANDS SUCH AS ARSON, VIOLENT NIGHTS, NASTY HABITS, AND MANY MORE PERFORMED IN THIS VENUE. THE OWNER OF WILMER'S PARK, ARTHUR WILMER PASSES AWAY IN FEB. 1999. SINCE THEN, THE FAMILY OWNED THE PROPERTY


CURRENT- THE SITE IS COMPLETELY ABANDONED WITH MANY OF THE FORMER SITES (RESTAURANT, MOTEL, BASEBALL FIELD, WILMER'S HOUSE, OUTDOOR STAGES, ETC.) STILL STANDING, ALTHOUGH THEY ARE VERY DETERIORATED AND DAMAGED. THE PROPERTY IS CURRENTLY OWNED BY THE ARTHUR WILMER FOUNDATION.



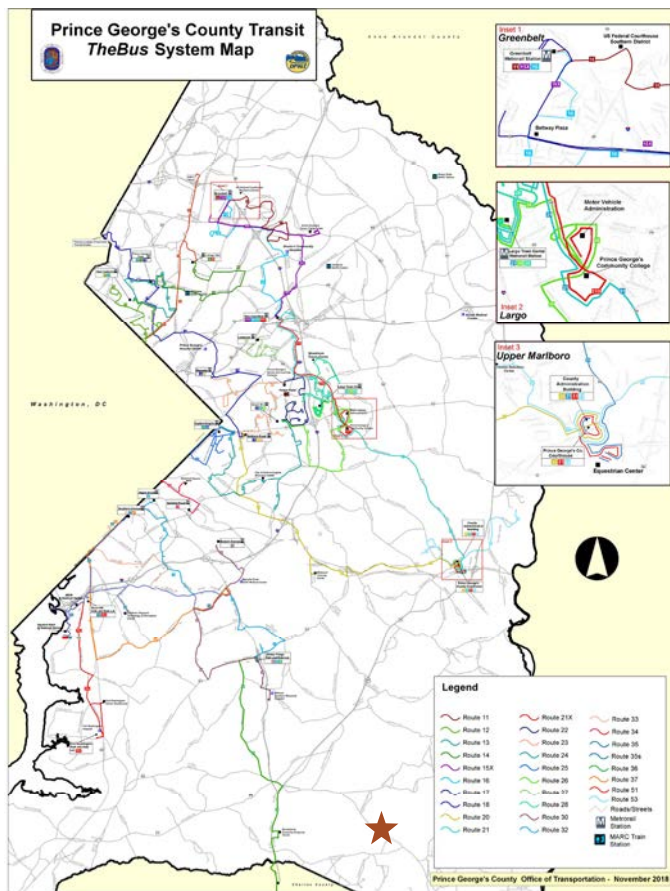
Circulation and Transportation

Traffic Context

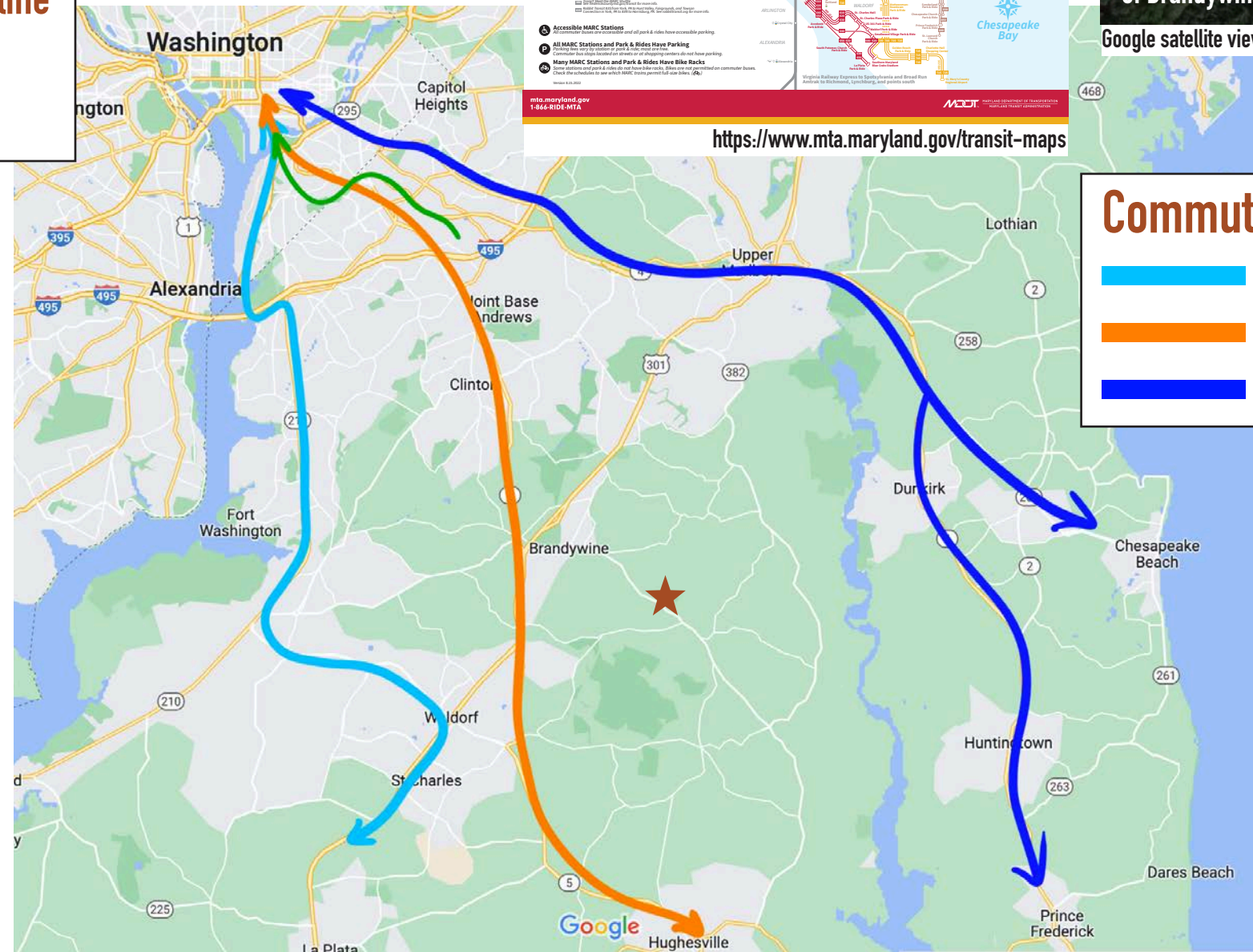
Brandywine Rd/Route 381 is a major throughway for those traveling to and from St. Mary's County and Waldorf, MD. It also connects to Route 5 which brings you to 495, a major highway that leads to D.C. and Alexandria.

DC Metro  **Green line**
Closest stop to Wilmer's Park:
Branch Ave, 15 miles away

Local Bus Routes



<https://www.princegeorgescountymd.gov/1122/Routes-Schedules>



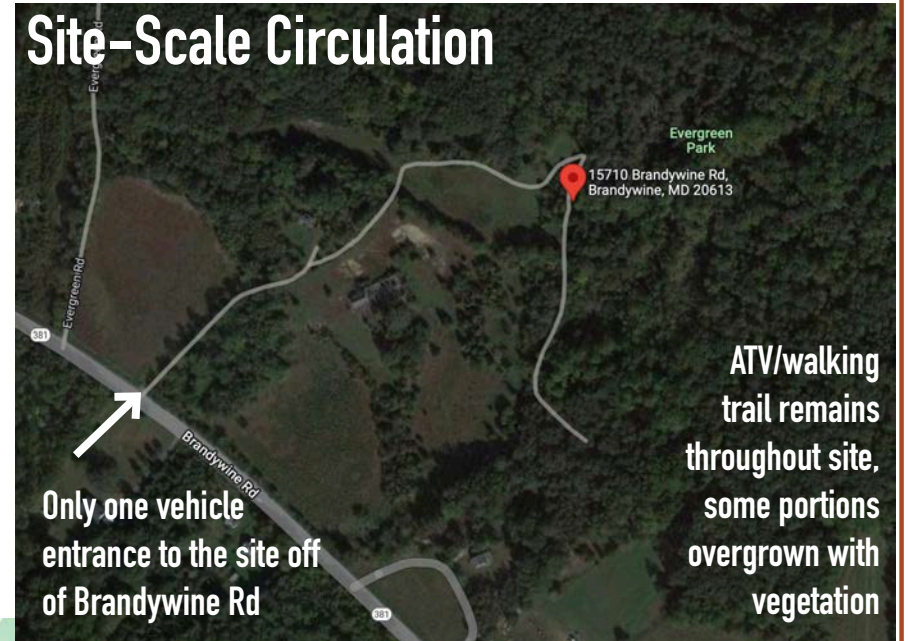
Annotated screenshot from google maps

MARC train & Commuter Buses



<https://www.mta.maryland.gov/transit-maps>

Site-Scale Circulation



Google satellite view




Only one vehicle entrance to the site off of Brandywine Rd

ATV/walking trail remains throughout site, some portions overgrown with vegetation

Bike Trails

There are no major bike trails surrounding the site.

Commuter Buses

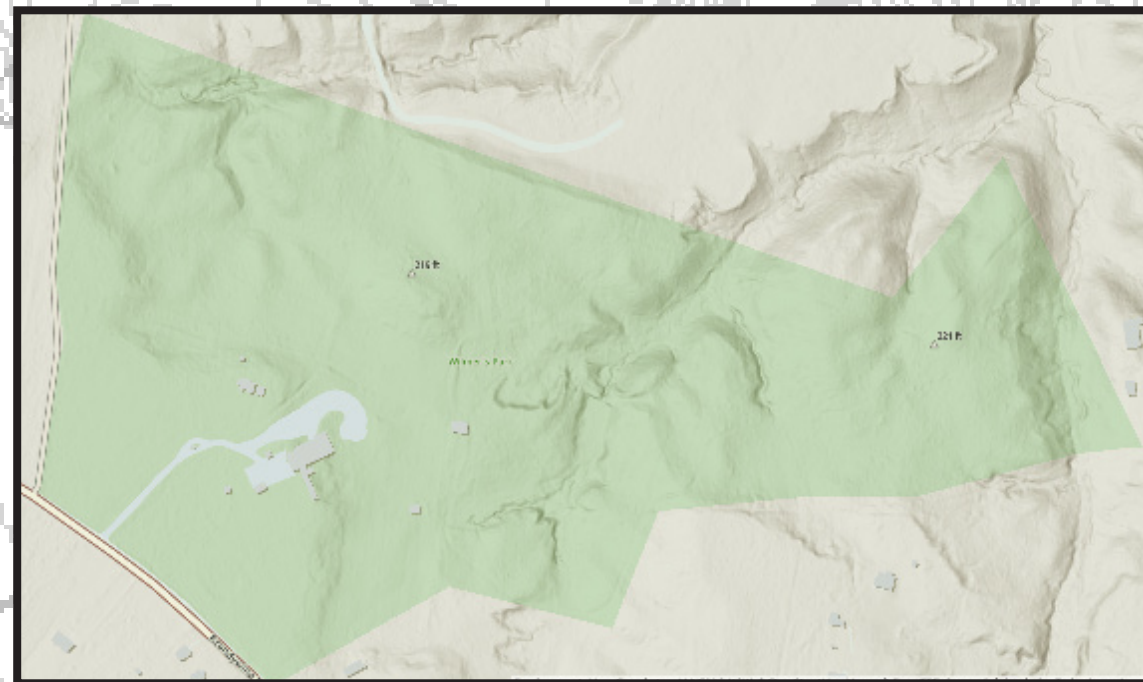
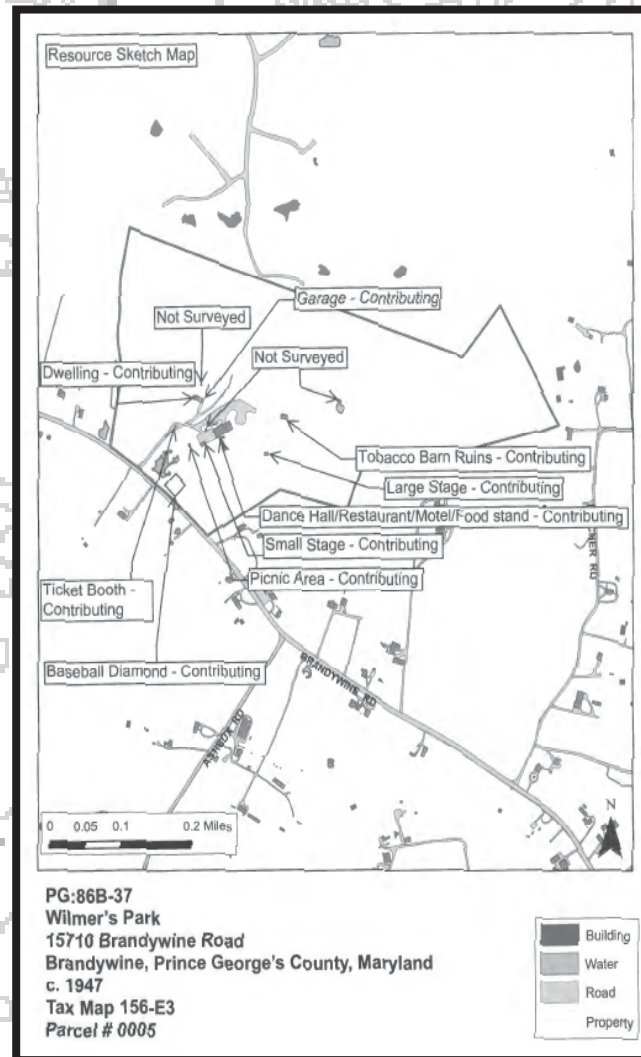
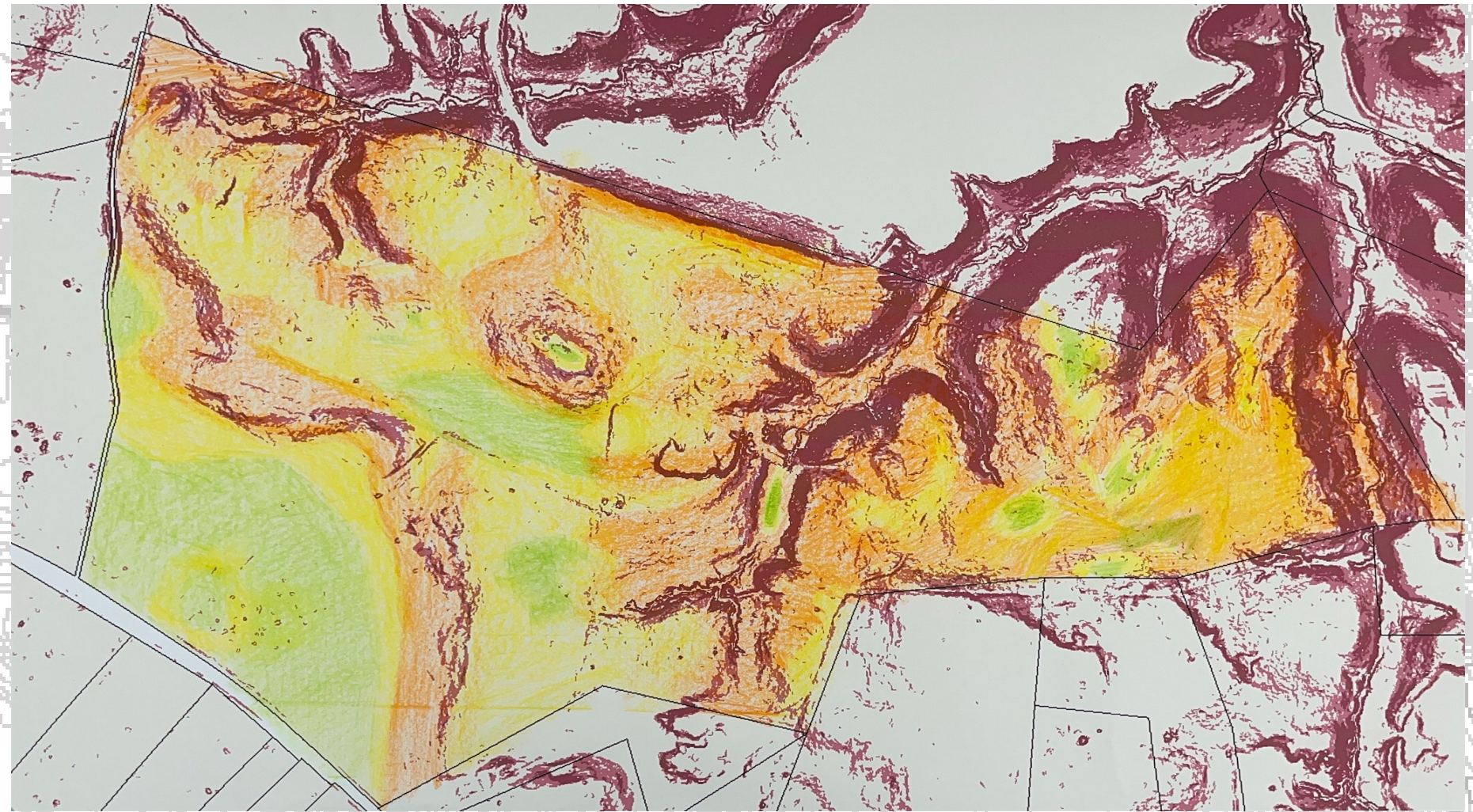
-  600 routes
-  700 routes
-  800 routes

Wilmer's Park Traffic History

Historically, there was extremely bad traffic in the area surrounding Wilmer's Park when music festivals and performances were held. Brandywine Rd has two lanes with no street parking, yet cars would line the streets during popular events at Wilmer's Park, according to a community member.

Slope Analysis

Max Slope- 57.4%
 Min Slope- .3%
 Max Elevation- 227 ft.
 Min Elevation- 157 ft.



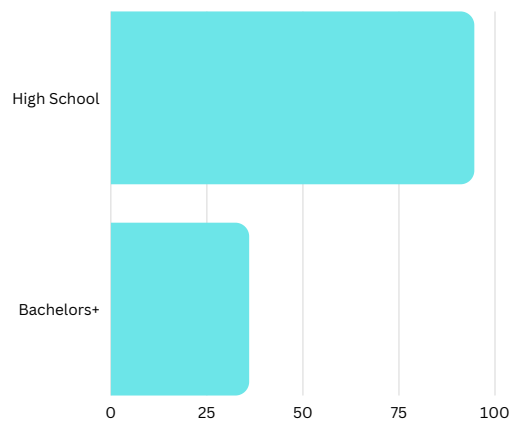
Wilmer's Park experiences little slope change in the active part of the site. Towards the East part of the site is where you start to see valleys and ridges between the two high points of the site which sit at 220 feet. The East side of the park is uncharted and unused due to its terrain.

Demographics

BRANDYWINE

2020 POPULATION: 8,990
 2020 MEDIAN AGE: 42.4
 2020 POVERTY RATE: 3.37%
 2020 MEDIAN INCOME: \$148,529
 2020 MEDIAN PROPERTY VALUE: \$397,800

EDUCATION

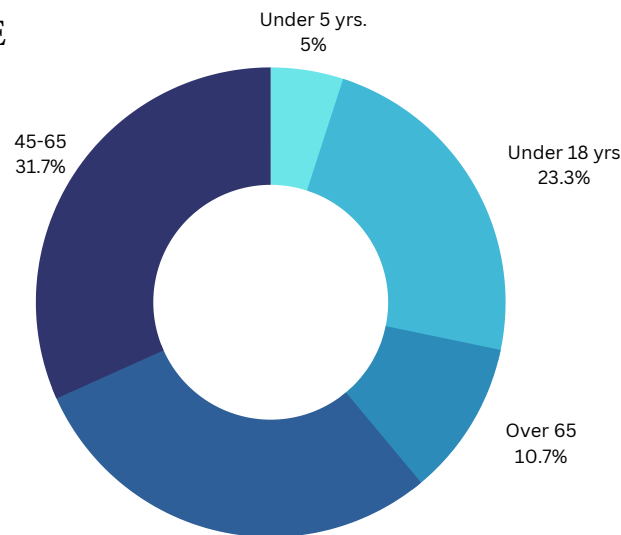


LANGUAGE SPOKEN OTHER THAN ENGLISH AT HOME

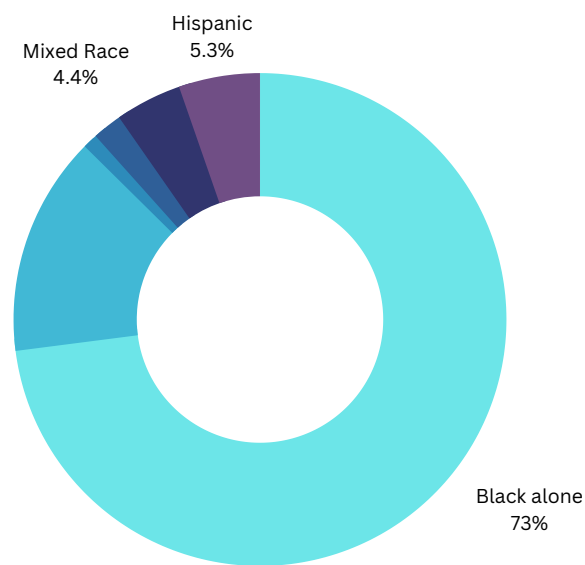


Citations
<https://www.census.gov/quickfacts/brandywinecdpmaryland>
<https://datausa.io/profile/geo/brandywine-md>
<https://www.census.gov/quickfacts/princegeorgescountymaryland>
<https://datausa.io/profile/geo/prince-georges-county-md#demographics>
<https://www.census.gov/quickfacts/MD>

RACE



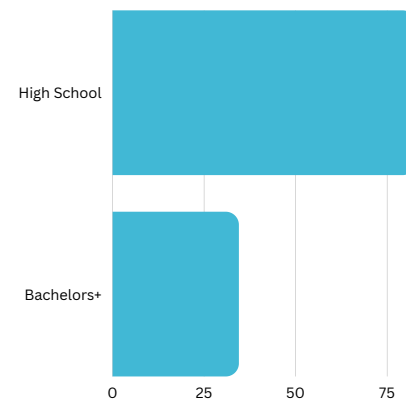
AGE



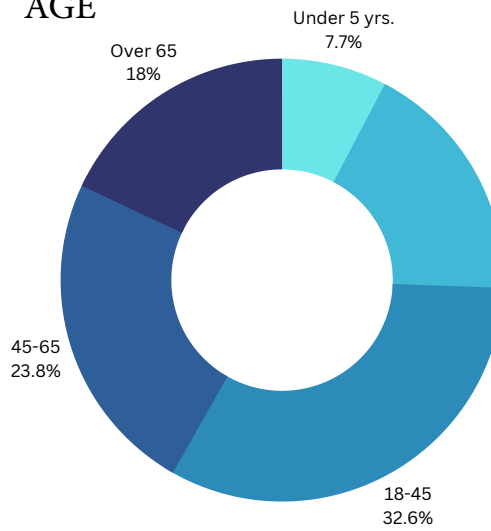
PG COUNTY

2020 POPULATION: 910,551
 2020 MEDIAN AGE: 37.5
 2020 POVERTY RATE: 8.59%
 2020 MEDIAN INCOME: \$86,994 (\$38,502)
 2020 MEDIAN PROPERTY VALUE: \$319,600

EDUCATION



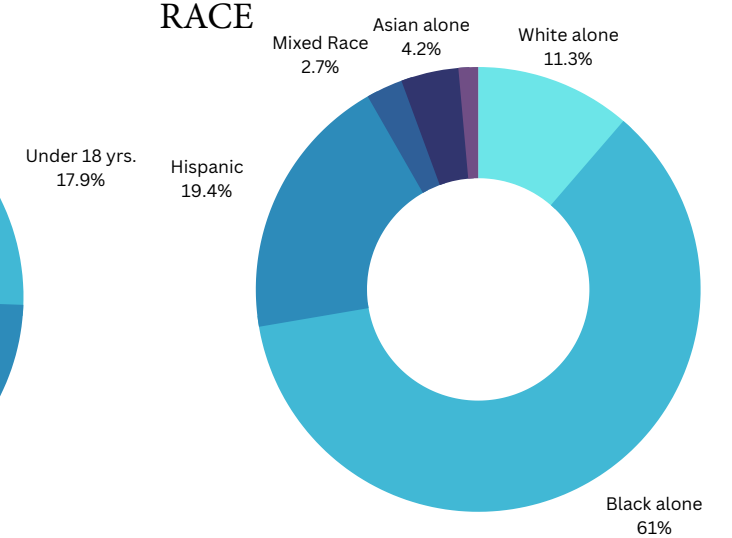
AGE



LANGUAGE SPOKEN OTHER THAN ENGLISH AT HOME



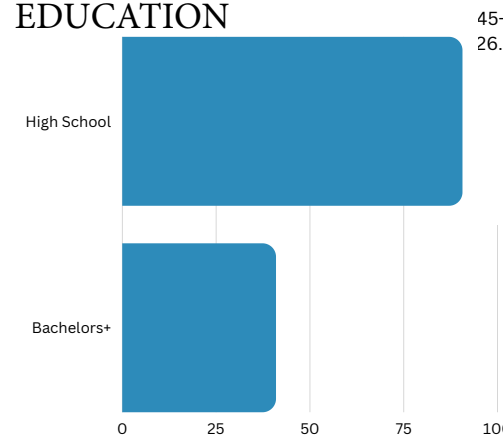
RACE



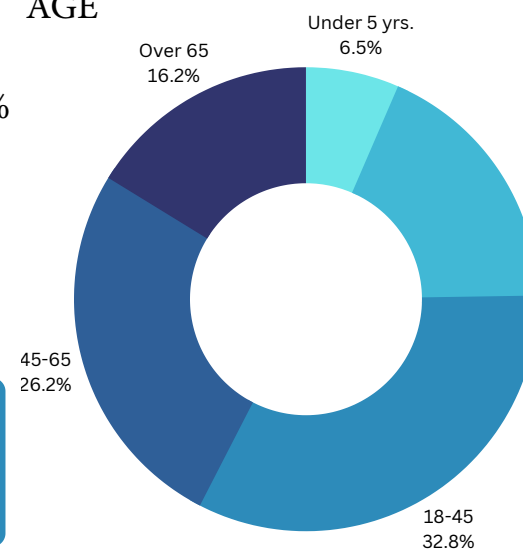
MARYLAND

2020 POPULATION: 6.04M
 2020 MEDIAN AGE: 38.8
 2020 POVERTY RATE: 9.02%
 2020 MEDIAN INCOME: \$87,063
 2020 MEDIAN PROPERTY VALUE: \$325,400

EDUCATION



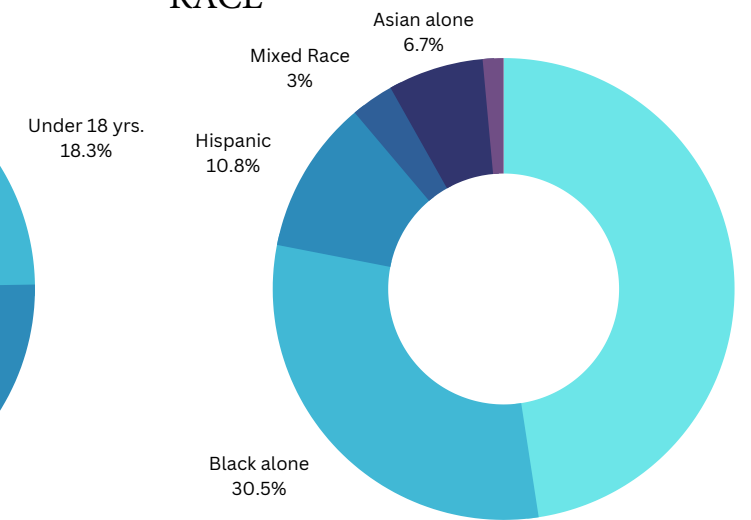
AGE



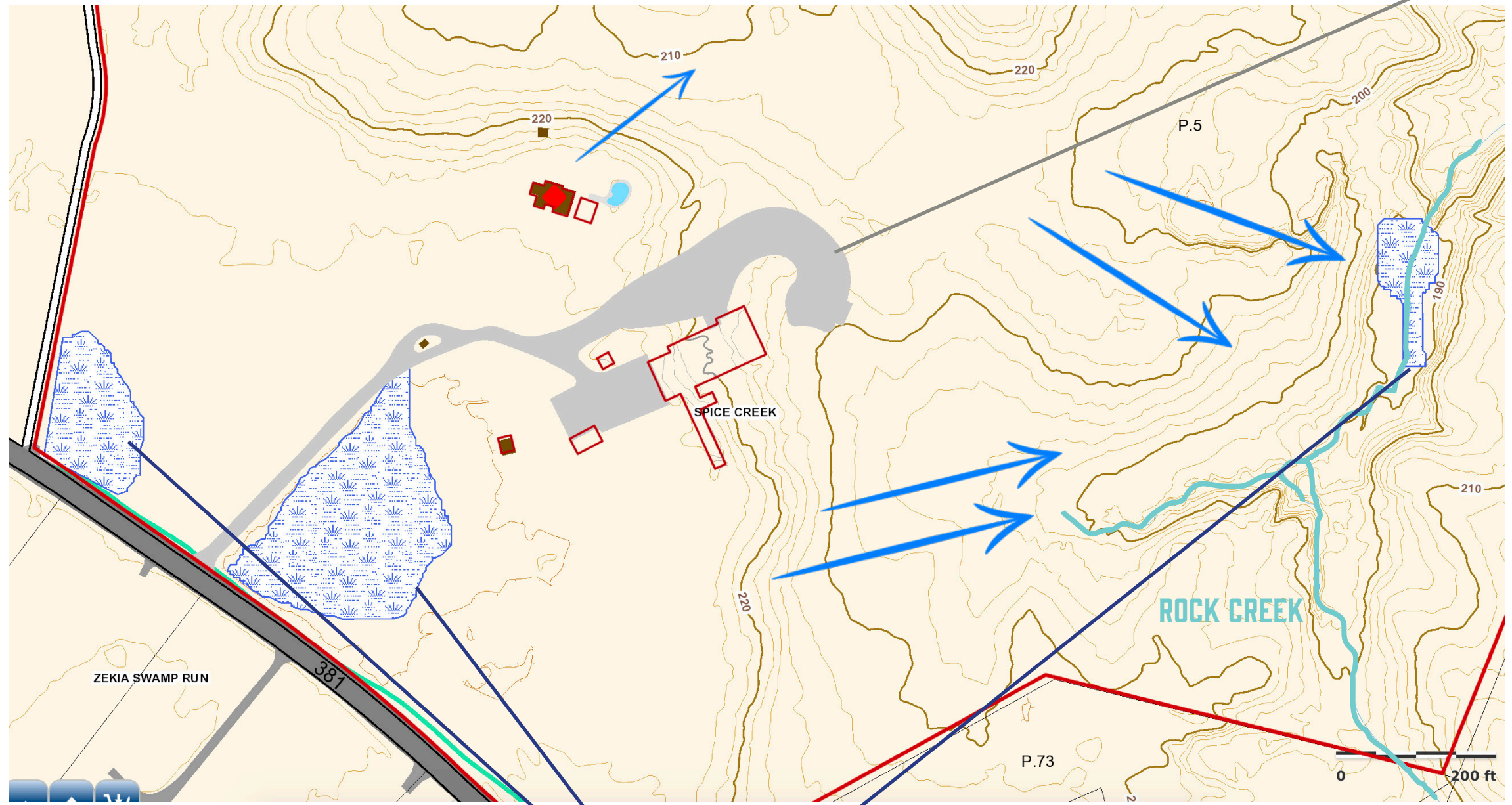
LANGUAGE SPOKEN OTHER THAN ENGLISH AT HOME



RACE



Hydrology



IMPERVIOUS SURFACE
REPRESENTS AREAS WHERE
PAVING, GRAVEL OR PARKING
LOTS USED TO EXIST

SEWAGE/WATER ACCESS
AS FAR AS WE KNOW, THE
MAIN SEWAGE LINE RUNS
UNDERNEATH THE MAIN ROAD
[381] AND THERE IS ONLY ONE
CONNECTION TO THE RESIDENCE
ON SITE. NO OTHER INFRA-
STRUCTURE EXISTS. WE DID
NOTE ONE WELL.

DRAINAGE
HIGH POINT OF THE SITE IS THE
SOUTHWEST CORNER, WHERE-
AS LOW POINTS ARE TO THE
NORTHEAST.

OBSERVATIONS
THERE WAS NO VISIBLE POOL-
ING OF WATER OR BAD WET
SPOTS ON THE SITE.



WATERSHEDS
THE SITE IS PART OF MARYLAND'S LOW-
ER PATUXENT WATERSHED AS WELL AS
THE LOCAL SPICE CREEK WATERSHED.

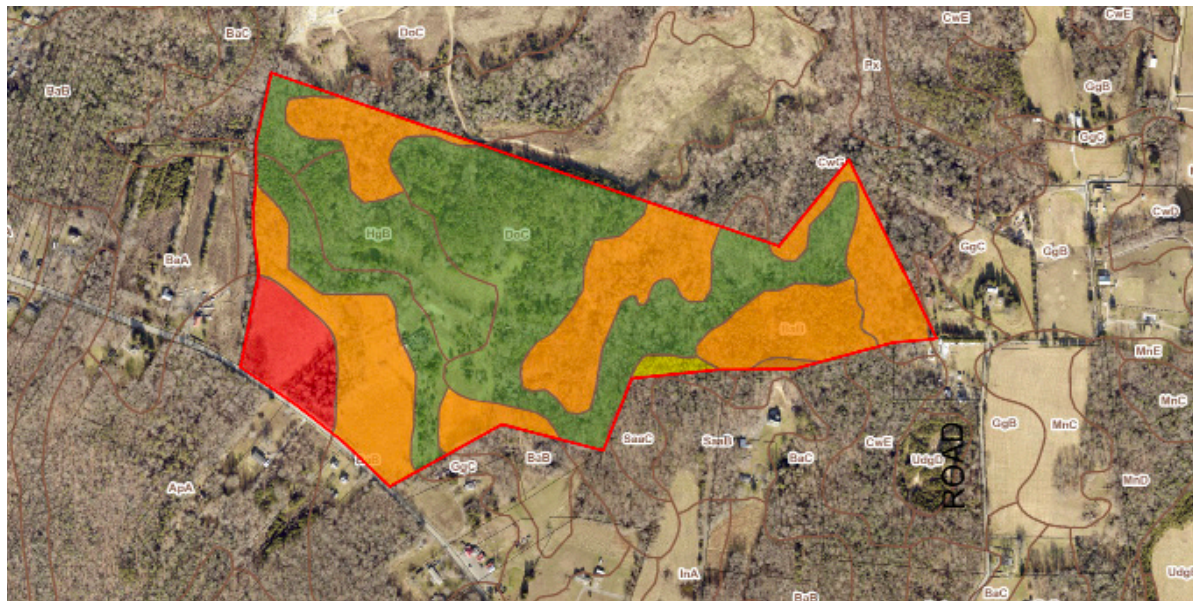
WETLAND AREAS
WETLANDS MAY BE INUNDATED FOR
PART OR ALL OF THE YEAR AND ARE
NOT ADVISABLE TO BUILD ON, IN
TERMS OF BOTH STRUCTURAL STA-
BILITY AND ENVIRONMENTAL REGULA-
TIONS.

WATER FEATURES
ROCK CREEK IS A STREAM THAT RUNS
DOWN INTO THE OUTSKIRTS OF WILMER'S PARK
AND THE NEIGHBORING EVERGREEN PARK. LOCAL
RESIDENTS ALSO INFORMED US OF A SMALL
POND ON SITE.

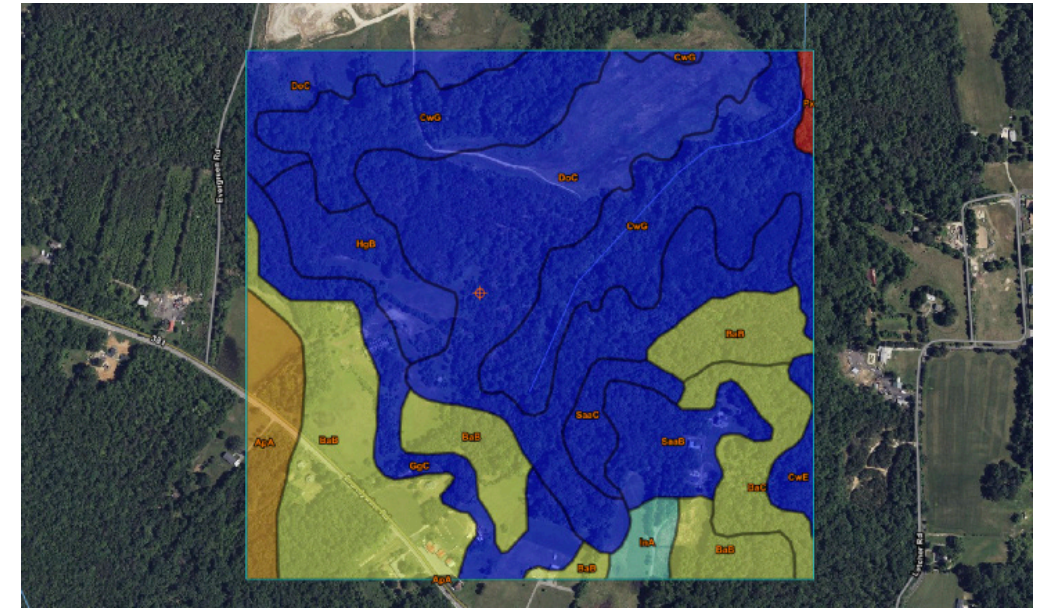
Soil



<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>



- Soil Rating Polygons in centimeters
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available



<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

Four different hydrolic soil groups are found on the site (A,B,C,D)

GROUP A:

- Downer-Hamonton complex (DoC)
- Grosstown gravelly silt loam (GgC)
- Hoghole-Grosstown Complex (HgB)

soils have a high infiltration rate and low runoff. These soils consist of deep, well drained sands or gravelly sands and have a high rate of water transmission.

GROUP B:

- Sassafras sandy loam (SaaC)

soils have a moderate infiltration rate. This group consists chiefly of deep well drained soils with a moderately fine to moderately coarse texture and a moderate rate of water transmission.

GROUP C:

- Beltsville silt loam (BaB)
- Beltsville silt loam (BaC)
- Croom-Mar complex (CwG)

soils have a slow infiltration rate. This group consists of soils with a layer that impedes the downward movement of water or fine textured soils and a slow rate of water transmission.

GROUP D:

- Aquasco Silt loam (APA)

soils have a very slow infiltration rate and high runoff potential. This group is composed of clays that have a high shrink-swell potential, soils with a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Context

Wilmer's Park is an 80-acre parcel of land located in Brandywine, Maryland, in Prince George's County. It contains the ruins of a dance hall, motel, ranch house, covered stage, and baseball and football fields.

Brandywine, MD- Demographics

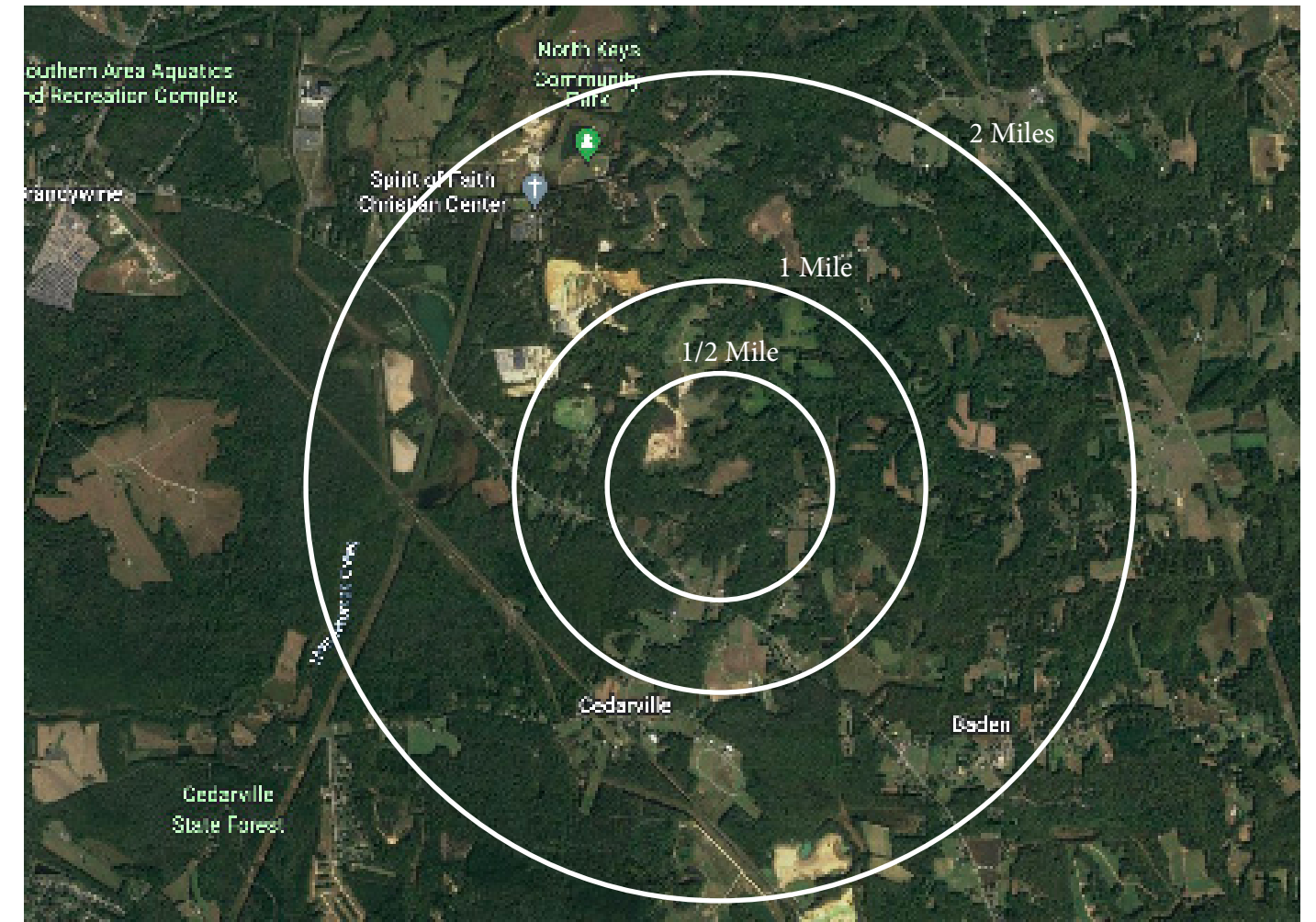
Largest Ethnic Group: Black or African American (73.9%)

Population Density: 538 people per square mile

Average Household Income: \$146,891

Poverty Rate: 3.37%

	½ mile	1 mile	2 mile
Community Center	0	0	1
Farm	0	3	3
Restaurant	1	2	2
Religious/Church	0	2	7



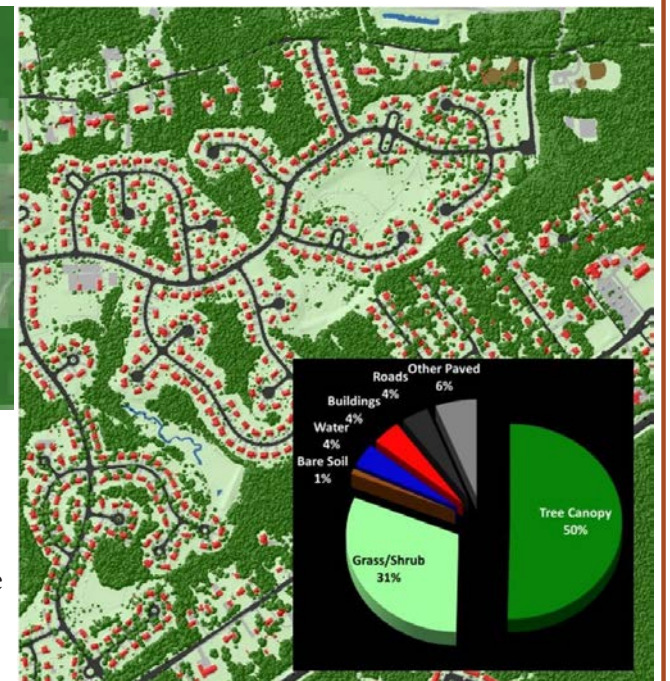
Master Plan



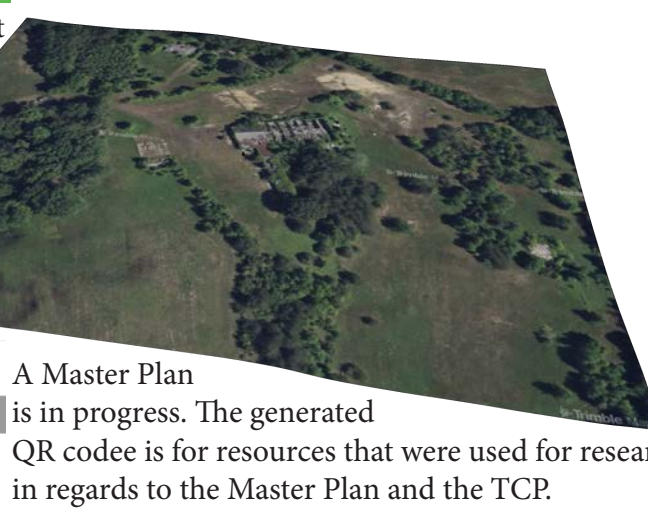
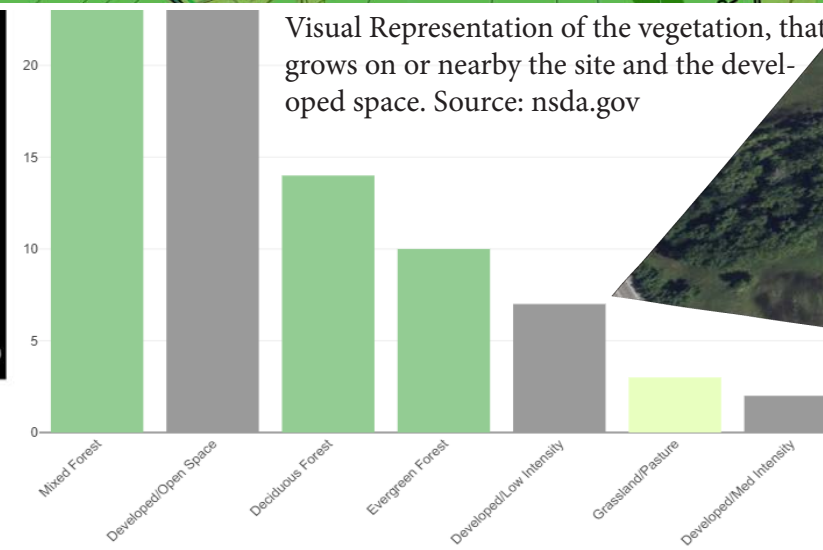
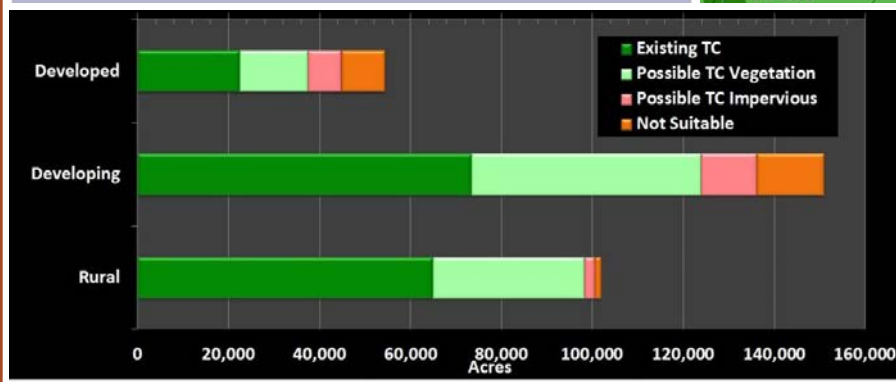
Most recent site images from the site visit. A map that represents in context the soil, tree conservation plan, TCP exempt, zoning, in context with the watershed, soil, zoning, Stream Center and Drainage (2020), historical building site, Source: pgcatlas.com.

Key Terms

TC: Tree canopy (TC) is the layer of leaves, branches, and stems of trees that cover the ground when viewed from above.
Land Cover: Physical features on the earth mapped from aerial or satellite imagery, such as trees, grass, water, and impervious surfaces.
Existing TC: The amount of tree canopy (urban and forests) present when viewed from above using aerial or satellite imagery.
Possible TC Impervious: Asphalt or concrete surfaces, excluding roads and buildings, that are theoretically available for the establishment of tree canopy.
Possible TC Vegetation: Grass or shrub area that is theoretically available for the establishment of tree canopy.
Not Suitable: Areas where trees cannot typically be planted, primarily buildings and roads.



Tree Canopy Pixel Map that represents the tree density near and on Wilmer's Park. Source: nsda.gov
 Perspective view of rendered SketchUp Topo of the site with the current Tree Canopy view of the historical structures..



A Master Plan is in progress. The generated QR code is for resources that were used for research in regards to the Master Plan and the TCP.

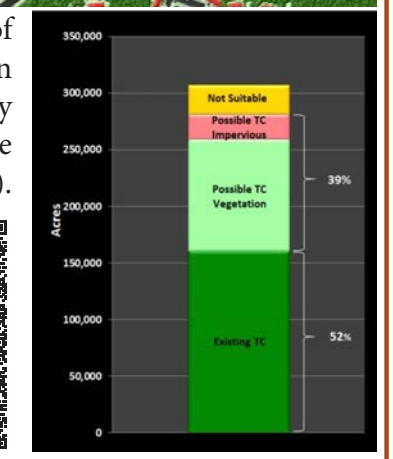
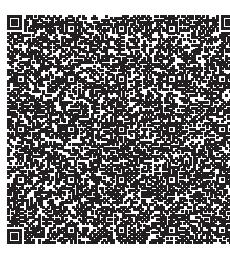


Figure 10. Graphical representation of the tree canopy metrics for Prince George's County growth tiers, by land area.

Prepared by: Jarleth O'Neil-Dunne, University of Vermont Spatial Analysis Laboratory
 Additional information: Funding for this project was provided by the Maryland-National Capital Park and Planning Commission. More information on the TC assessment project can be found at the following web site: <http://nrs.fs.fed.us/urban/lat/>
 University of Vermont Spatial Analysis Lab

Credit mentions for the graphics for the metrics, landcover & description of key terms.

Case Studies

- West Point Foundry Preserve, Phase 1- Thomas Adams
- Depot Park, Phases 1 and 2- Bryce Akers
- Shelby Farms Park- Edenilson Contreras
- Railroad Park- Isiah Dashiell
- Boulognerskogen- Kathleen Erwin
- Meadowlark Botanical Gardens- Carlos Gonzalez
- Corktown Common- Cierra Hargrove
- Military Park- Ryan Jeon
- Louis Armstrong Park- Madison Mohan
- Granite Hill Campgrounds- Matthew Ourand
- Tyner Interpretive Center and Kent Fuller Air Station Prairie- Gabrielle Shelton
- Lafayette Park- Emmeline Steuernagle
- Buckler's Forest- Kennedy Thomas-Cogar
- Forest Park- Charlotte Yang
- Annmarie Art and Sculpture Garden- Yasemin Cakil

West Point Foundry Preserve, Phase 1

Designer:
Mathews Nielsen Landscape Architects

Project Type:
Nature preserve, Park/Open space

Location/Adress:
80 Kemble Avenue
Cold Spring, New York 10516

Size:
87 acres

Budget:
\$3,719,325

Completion Date:
2013

Challenges:
Public access to the center of the park while saving, showing, and illuminating the industrial history

Limiting designs to area where there are concentrated historical and archaeological locations. Maintain the integrity of these locations by using a special technique to preserve the items at the as they are unearthed and this is to keep them in the best possible condition.



1

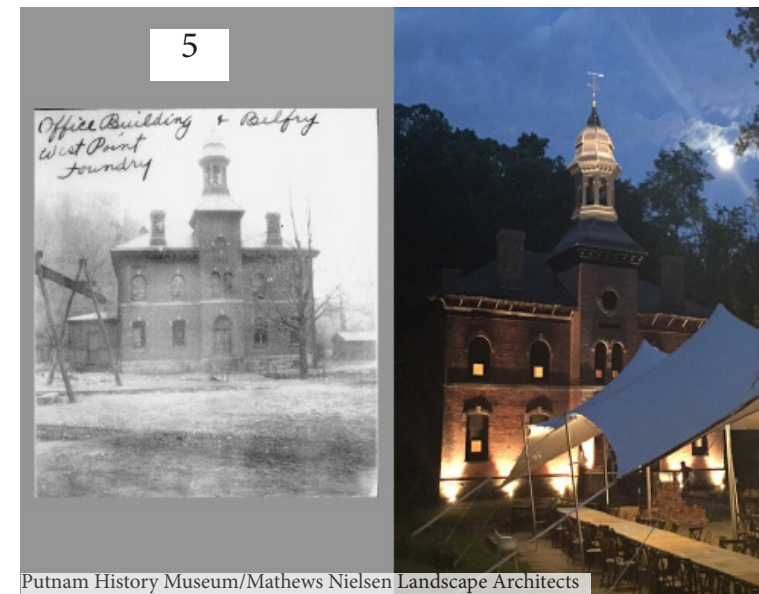
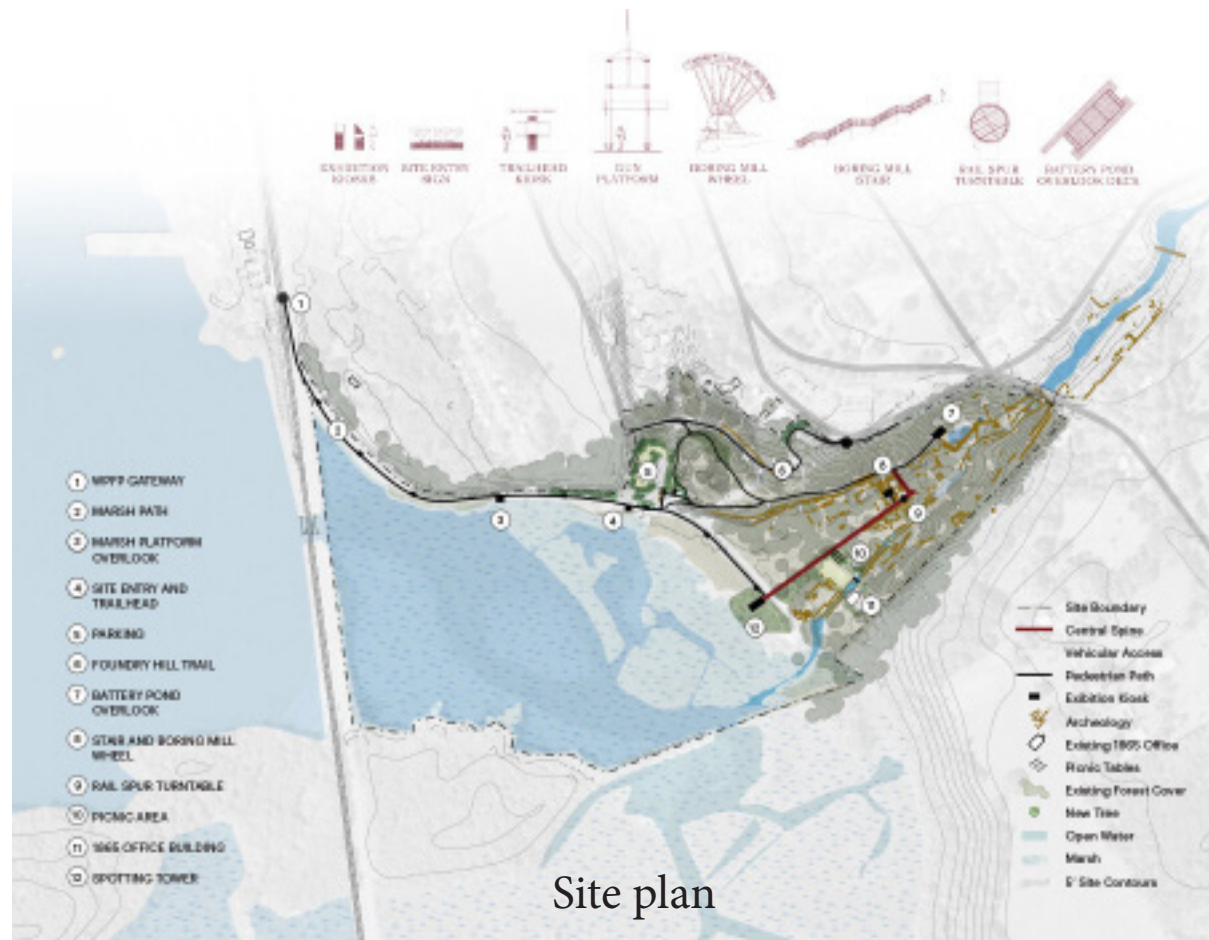


2



3

- 1) Reused bricks to make the logo of the name of the site
- 2) Another sign/Map of the park made with used brick for the site
- 3) A ghost water wheel of the original wheel
- 4) An artillery tower made of materials for the site to show the part of the history
- 5) Renovated main office building of the foundry

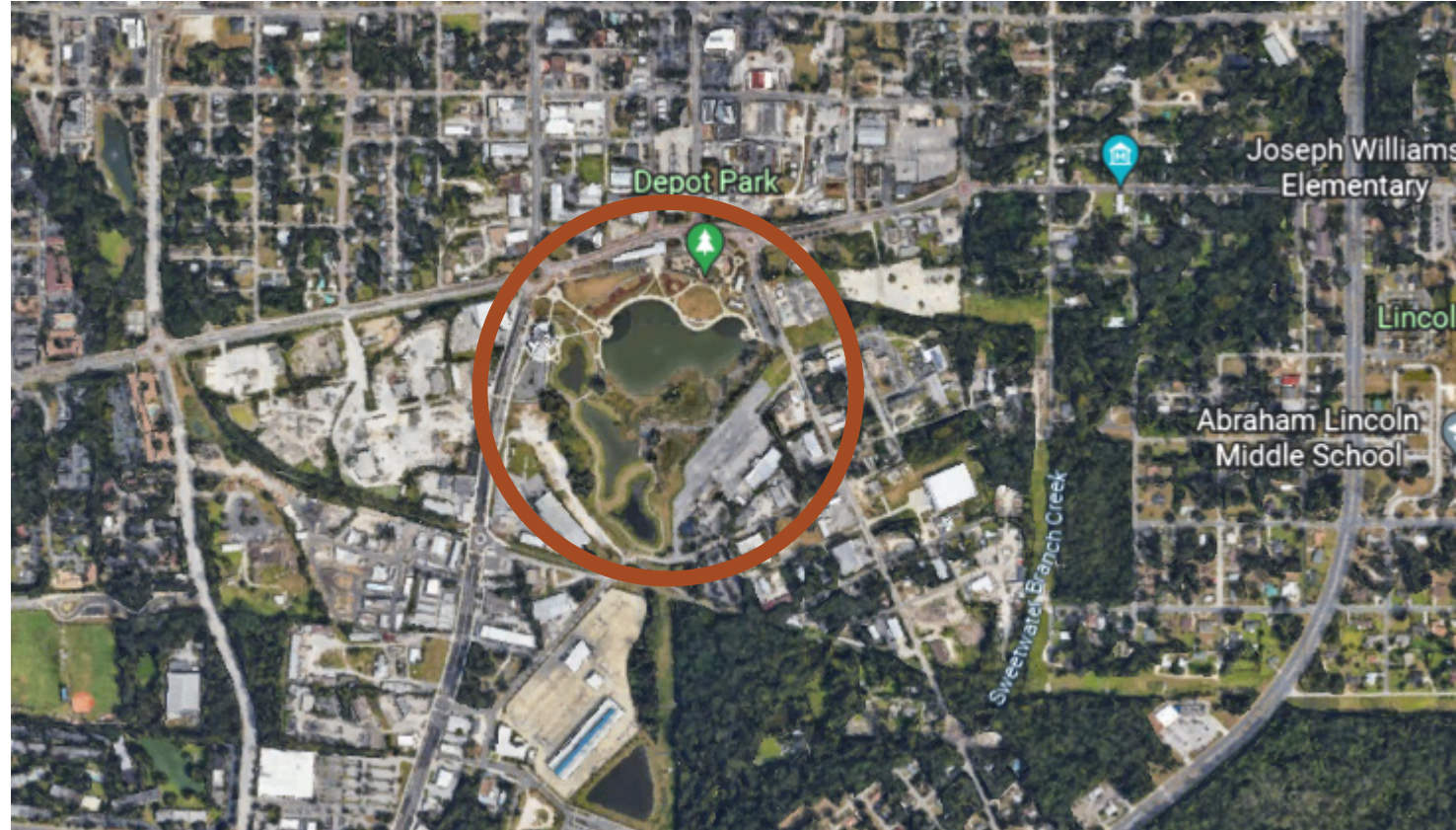


5



4

Depot Park, Phases 1 and 2



Located at:
874 SE 4th St, Gainesville, Florida 32601



Before



After



- * This site is an outdoor park while also serving as a stormwater management facility
- * It was previously polluted with coal tar, arsenic and other pollutants
- * It now currently has a “one-acre playground, a splash pad, walking and biking paths, open green spaces, and a 20-ft-wide promenade and overlook”
- * It hosts community events, recreational spaces, and small music shows



Important Information:

- * 32 Acres
- * Budget was \$6.75 million (park) + \$30 million (remediation)
- * Designer was JOLA, Inc.; CRJA-IBI Group (now IBI Placemaking)
- * Was completed in 2016
- * Main use is as a park/open space and stormwater management facility

“Depot Park, Phases 1 & 2.” Landscape Performance Series, 22 Sept. 2022, <https://www.landscapeperformance.org/case-study-briefs/depot-park-phases-1-2/#/overview>.

Shelby Farms Park

SHELBY FARMS PARK IS ONE OF THE LARGEST URBAN PARKS IN THE U.S. AT 4,500 ACRES OF LAND. THIS PARK IS ABOUT FIVE TIMES THE SIZE OF CENTRAL PARK, PROVIDING AN OPPURTUNITY TO CREATE A NATURE BASED HUB FOR RECREATION, HEALTH, AND WELL-BEING.

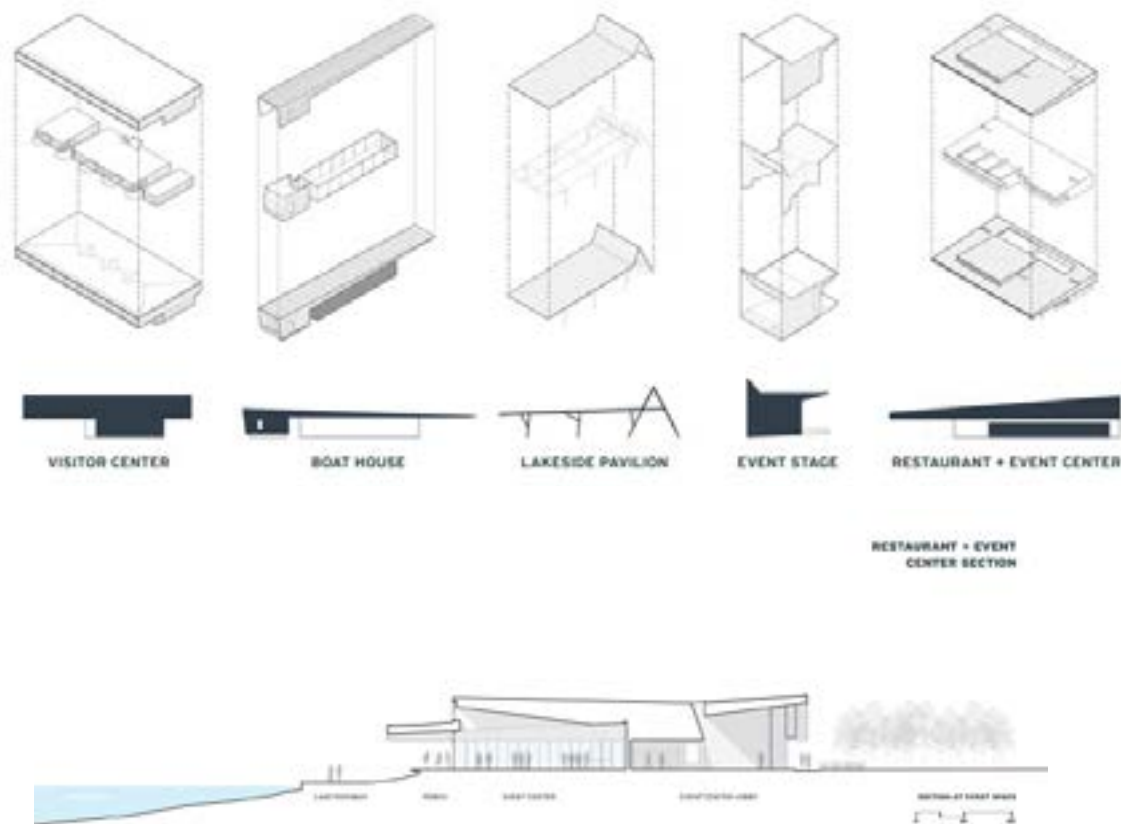
COMPLETED: PHASE 1 (HEART OF PARK) 2016

DESIGNED BY: JAMES CORNER FIELD OPERATIONS, BLACKWELL ARCHITECTS

BUILDINGS LOCAYED IN PHASE 1:

- VISITOR CENTER
- BOAT HOUSE
- LAKESIDE PAVILION
- EVENT STAGE
- RESTAURANT/EVENT CENTER

AN AXONOMETRIC VIEW OF THE BUILDINGS:



THE HEART OF THE PARK (PHASE 1)

THE DESIGN IS MEANT TO IMPROVE CONNECTIVITY AND ACCESSIBILITY- WHILE OFFERING A GREAT AMOUNT OF GREENERY AND NATURE. THE PARK IS ALSO AN ECONOMIC ENGINE FOR THE REGION. THE PARK RE-ESTABLISHED AN RELATIONSHIP WITH NATURAL SYSTEMS, IMPROVING THE SURROUNDING ENVIRONMENT AND ECOLOGY.



Railroad Park

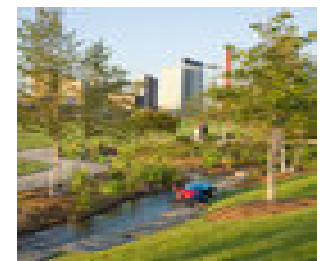
Previously, the site was filled with warehouses and a yard for rail and steel industry waste. To honor this, the park reclaimed materials from the site's industrial past and they used throughout the gathering spaces. Now, the Railroad Park links the northern and southern halves of Birmingham and celebrates the rail lines that bisect and define the city. Railroad Park's unique topography is organized around the elevated rail lines and that feature allows people to be physically level with the trains. This provides imagery that reconnects city residents to the historic force that built it. Railroad Park has broken down barriers in a city with a reputation for division and has become the most racially-integrated and heavily-used space in the city. Social studies reveal the space attracts around 600,000 people annually, has improved the perception of down-town Birmingham, serves as a place of exercise for the community, and influenced housing choices for new residents and businesses. Lastly, the park features railroad underpasses, an expansive "green corridor", pavilions, an outdoor theatre, a non-terraced amphitheater, and open plaza.

Address: 1600 1st Avenue
Birmingham, Alabama 35233

Size: 19 acres

Designers: Tom Leader Studio,
Macknally Land Design

Estimated Annual Visitors:
600,000



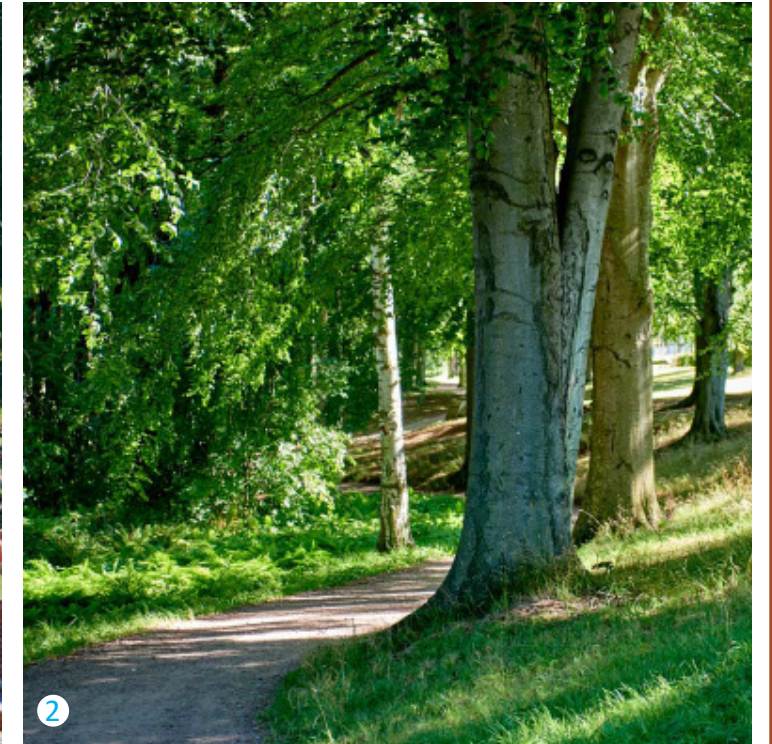
https://tlandarch.com/portfolio_page/railroad-park/

<https://worldlandscapearchitect.com/railroad-park-birmingham-alabama-tom-leader-studio/#.Y7xot3bMK3A>

Boulognerskogen



- Originally intended for high society, Destination in the mid 1800s, for spa water and cold baths
- 1960s and 70s, fell into decay
- 1973, pond closed down for bathing due to poor water quality
- Park became desolate, gained a reputation for being an unsafe area
- 2011, city of Skövde took an initiative to restore the park and reinstall some of its old values, combined with new ones
- Began with establishing a design program, including dialogue with the citizens as well as active participation by the local politicians
- A 1km long beech hedge now encompasses the park, giving a border definition, marking the edge.
- Seven new entry spots have been built.
- A viewing platform sits right on the east rim, offering panoramic views of the central area.
- A sandy beach was designed with a curvy shore promenade as well as a fountain.
- The steep, west-facing slope was re-graded into a series of long sun terraces.
- Today the park attracts visitors to enjoy the beach, sit in the semi-shaded environs in the beech grove, or admire the beautiful plantings.



Meadowlark Botanical Gardens

Location: Vienna, Fairfax County, Virginia Size: 95 acres

Designers: Northern Virginia Regional Park Authority (1980)
NOVA Parks / Korean American Cultural Committee (2007)
Intregue Designs (Master Plan, 2006. Children's Garden, 2008)

Ownership: Original 74-acre farm purchased by Dr. Gardiner Means and Dr. Caroline Ware in 1935
Additional 21 acres already owned by NVRPA

The land was utilized as a farm, by Dr. Gardiner Means and Dr. Caroline Ware until the summer of 1980, when they donated it to the Northern Virginia Regional Park Authority (NVRPA). Originally purchased as a large farm in the Virginia piedmont in 1935, by the 1980's the surrounding area was becoming more suburban, which eventually became Vienna, VA, and the owners believed that it could become a park for the incoming suburbanites.

It is now used as a healing garden, gathering space, event space, play area, learning center, ecological restoration, and cultural and historical landscape.



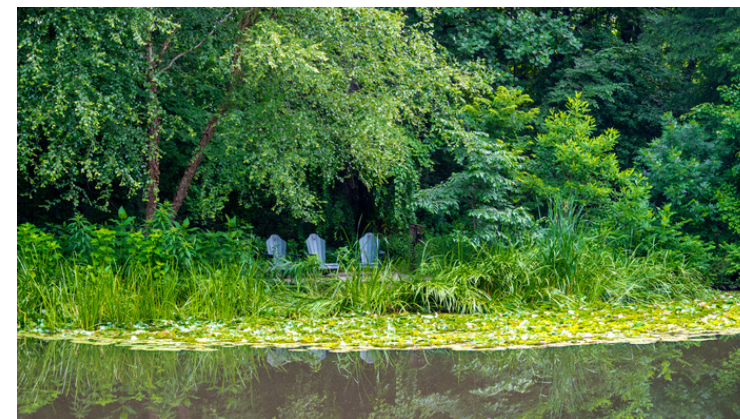
11. Lake Caroline with Gazebo
Flowering Cherries in Spring (top). Fall Foliage (bottom)



3. Wedding at The Atrium



14. Toddler's Tea Garden



12. Lake Lina, Virginia Native Wetlands, Bog Garden
with Private Seating



20. Korean Bell Garden
(Only One in the Western Hemisphere)



Photo Credits and References: Google Maps, Intregue Designs, Maddy Williams Photography, Meadowlark Botanical Gardens, NOVA Parks, The Washington Post

Corktown Common

Location: West Don Lands, Toronto, Ontario

Size: 18 acres (9 facing the city, 9 facing the river)

Year Completed: 2013

Designer: Michael Van Valkenburgh Associates



Design Goals

- Making a Neighborhood park from the backbone of a flood control infrastructure
- Program a park to be the centerpiece for the future West Don Lands Neighborhood
- Creating the structure for a biodiverse ecosystem that will thrive and self-sustain

Project

This site was originally a brownfield with a high flood risk and they used topography to create a flood barrier to the river. The East slope uses native grasses to protect from stormwater as well as provide walking trails and a commuter bike path along the river. The west side is used as a community park with a playground, splash pad, gathering pavilion, lawn space, pollinator garden walks, and an ecologically restorative marsh area.

Site Amenities



Playground and Sand Pit



Splash Pad



Sledding Hill



Outdoor Movie in Multi-Use Lawn Space



Nature Walk

<https://www.asla.org/2016awards/172397.html>
<https://landscape.coac.net/en/node/2134>

Military Park

LOCATION: NEWARK, NEW JERSEY

OPENED: 2014

SIZE: 6-ACRE

PREVIOUS USE: TRAINING DURING FRENCH & INDIAN WAR, AMERICAN REVOLUTION

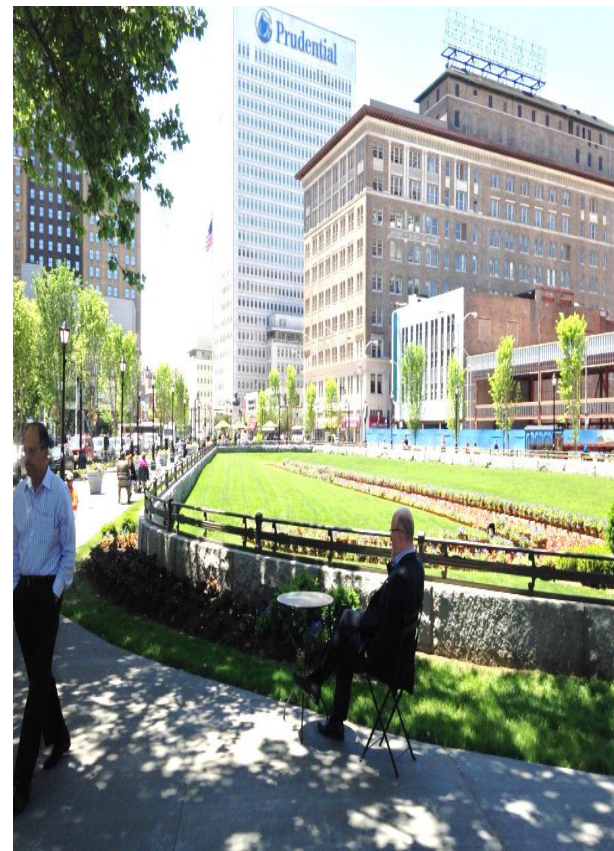
DESIGNER: MILITARY PARK PARTNERSHIP, DAN BIEDERAMAN

COST: \$3 MILLION

THIS PARK FEATURES A VARIETY OF EVENTS THROUGHOUT THE WEEK TO KEEP

THE AREA ACTIVE. THE ACTIVITIES ARE ALSO SPREAD THROUGHOUT THE PARK SO THAT VISITORS CAN FULLY EXPERIENCE THE LANDSCAPE & SURROUNDING FEATURES.

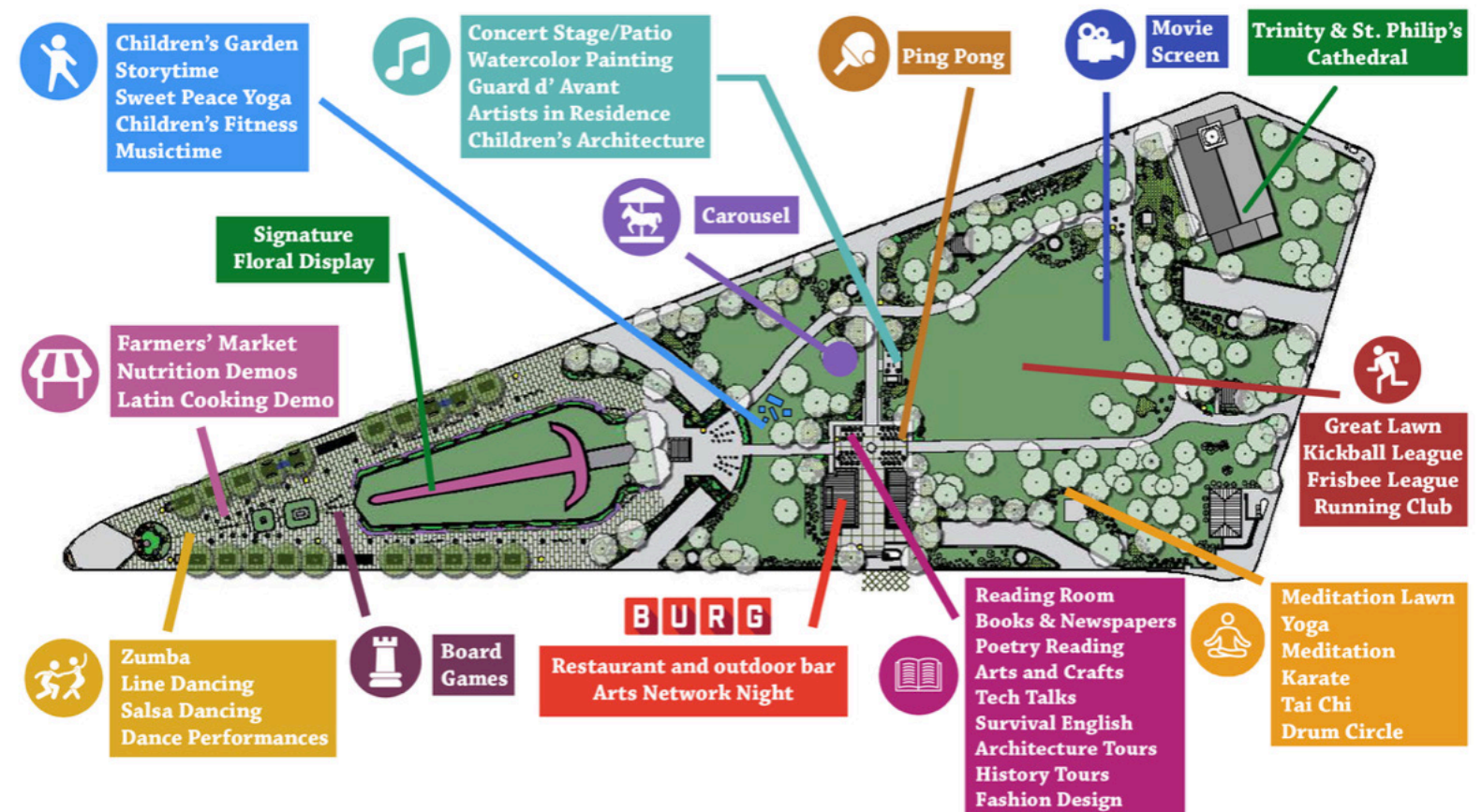
AERIAL VIEW OF PARK



PEDESTRIAN USE IN PARK



"WARS OF AMERICA" MONUMENT



Louis Armstrong Park, New Orleans

- 1970s urban renewal project
- National Park Service property
- Treme neighborhood, edge of French Quarter
- 32 acres
- Designed by Robin Riley
- Named after Louis Armstrong (1901-1971)
- Designed to honor jazz and New Orleans' role in the jazz era- the birthplace of many influential jazz artists, including Louis Armstrong
- first New Orleans Jazz & Heritage Festival (1970)
- self-guided tours
- concerts/festivals/fairs/celebrations



https://www.axiomimages.com/aerial-stock-footage/view/PVED01_137/



<https://www.travelawaits.com/2694040/karnofsky-tailor-shop-destroyed-in-hurricane-ida/>



<https://www.trip.com/travel-guide/attraction/new-orleans/louis-armstrong-park-18697389/>



<https://nola.gov/parks-and-parkways/parks-squares/congo-square-louis-armstrong-park/>



<https://www.youtube.com/watch?v=x6evdN1qb8s>

Site Elements

- Congo Square- historical gathering place for slaves
- performing arts theater
- municipal auditorium

[https://en.wikipedia.org/wiki/Louis_Armstrong_Park_\(New_Orleans\)](https://en.wikipedia.org/wiki/Louis_Armstrong_Park_(New_Orleans))

<https://www.neworleans.com/listing/louis-armstrong-park/32549/>

<https://www.nps.gov/articles/jazz.htm>

<https://nola.gov/parks-and-parkways/parks-squares/congo-square-louis-armstrong-park/>

Granite Hill Campgrounds

Granite Hill Campgrounds is located in Adams County Gettysburg, PA and sits on 150 acres of property and dates back to the early to 1700's. The land was acquired by David Stewart and been passed down to his descendants who is now Cyndie and Rich Winkelman. The Campgrounds attract large crowds during their notorious bluegrass festival held twice a year. The site is packed to capacity with campers and people from all around. The property is mainly used as a campground but offers plenty of other activities and sceneries.



“Granite Hill History.” Granite Hill Camping Resort, <https://www.granitehillcampingresort.com/>

Tyner Interpretive Center and Kent Fuller Air Station Prairie



Designer
 - Conservation Design Forum

Type
 - Nature preserve

Former Land Use
 - Greenfield

Completion Date
 - 2007

Location
 - Glenview, Illinois 60026

Budget
 - \$1,512,815

Size
 - 32 acres

Features
 - Retains 100% of on-site stormwater runoff
 - Increased ecological quality to 68.2 FQI
 - Generates 16,649 kWh of solar power annually
 - Hosts year-round classes and special events

BEFORE



<https://www.landscapeperformance.org/case-study-briefs/tyner-interpretive-center>

Lafayette Park



ATTRACTIONS:

LAFAYETTE PARK HOUSE
LAFAYETTE PARK LAKE
REVOLUTIONARY WAR CANNONS
GEORGE WASHINGTON STATUE
THOMAS HART BENTON STATUE

KERN PAVILLION
ELIZABTH COOK PAVILLION
LAFAYETTE PARK PLAYGROUND
VINTAGE BASEBALL FIELD

30 ACRE PARK IN NESTLED IN URBAN ST. LOUIS. DESIGNATED AS A PUBLIC SQAURE IN 1836 AND AS A PUBLIC PARK IN 1851. INITIALLY DESIGNED BY MAXIMILIAN GOTTLIEB KERN AND LATER REVISED BY STUART M. KERTZ & ASSOCIATES (2001)

<https://www.tclf.org/landscapes/lafayette-park-mo>, <https://www.flickr.com/photos/msabeln/3045003518>, <https://www.stlouis-mo.gov/parks/parks/browse-parks/view-park.cfm?parkID=52&parkName=Lafayette%20Park>

Buckler's Forest



Buckler's Forest is a 250-acre site located in Crowthorne England. The site was once used for ground-breaking research into road safety until it was transformed into a re-naturalized community where both people and wildlife thrive.

The design stayed true to the site's roots by incorporating elements of its modern history – such as the old vehicle test tracks – as well as far more ancient heritage, like the historic forest rides dating back to when the area was part of the Royal Hunting Forest of Windsor, and even traces of much earlier Bronze-Age activity.

Historical details have been reclaimed and restored throughout the forest to become thoughtful new features. What was a man-made hill designed for testing handbrakes is now a quiet picnic spot nestled on the forest's edge. A banked curve where high-speed vehicles once soared has become a stepped amphitheater with stunning views. Old green electrical boxes, retained from the era of a transport laboratory, are now home to mini-museums, insect habitats, and shelters. And the old forest fire watch tower still stands as a tribute to the past – looking out over a rejuvenated landscape where both visitors and wildlife can now find tranquility.

Overall I believe this case study will be useful for the Wilmer's Park project because of how the history of the site was incorporated into the redesign.

Landscape Architect: Macgregor Smith

<https://landezine.com/bucklers-forest-crowthorne-by-macgregor-smith/>

Forest Park

Location: Bad Lippspringe, Germany

Year Built: 2017

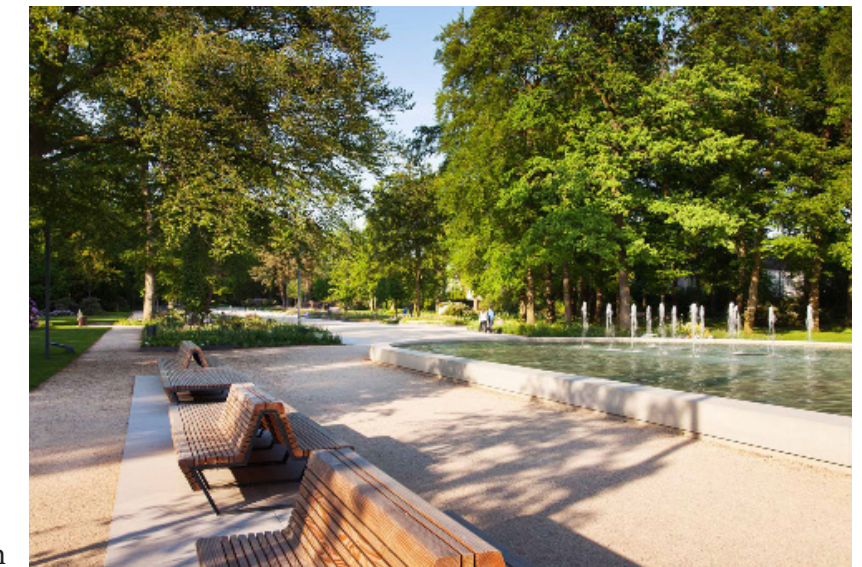
Designer: SINAI

Collaborators: EiSat GmbH, Ingenieurbüro, Berlin

This 30 acre park is a historical health resort park that was redesigned to introduce light, air, and space into an existing forest. The wide array of activities within the park redefines the historical health resort as a public recreational area usable for all and all year round. The park has two main axes that lead to the water basin at the center of the park. The ponds that were once not visible are now reintegrated as a central part of the landscape ensemble. The existing trees were thinned to provide softly



Redesigned Pond Area

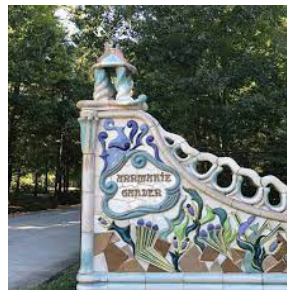


Central Water Basin

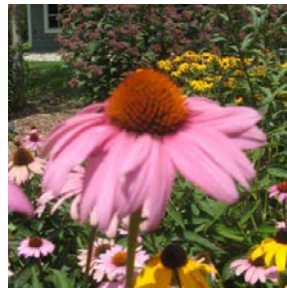


Thinned Forest Walk

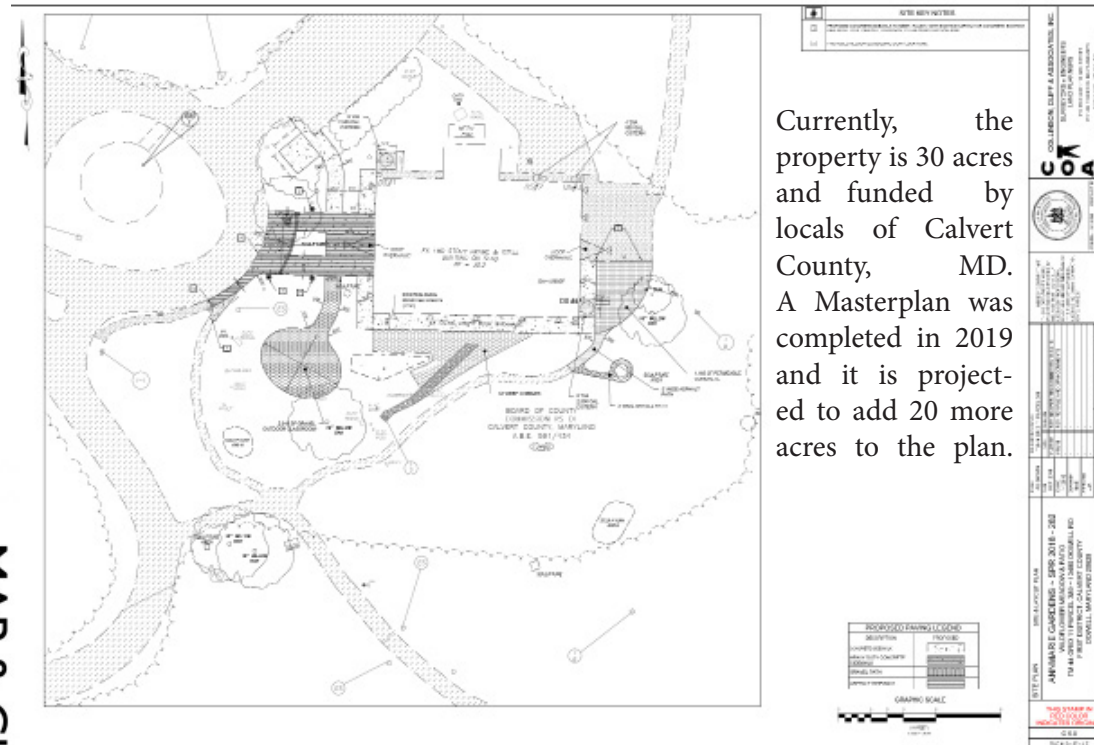
Annemarie Sculpture Garden and Arts Center



It features a butterfly garden and a ceramic mosaic gate. In 1991, the Koenig family donated this property to Calvert County with the intention that it be developed into a sculpture park. Named after Fran's wife, Mrs. Ann Marie Koenig, the Garden began to take shape over the next decade as six permanent works of art were installed.



The intend is for people and children to come and visit and to enjoy nature and art together, as well as learning about wildlife. It has pollinator plants there as well. It offers exhibits, events and education and the building, which is in the shape of a boat, is used as a venue.



Currently, the property is 30 acres and funded by locals of Calvert County, MD. A Masterplan was completed in 2019 and it is projected to add 20 more acres to the plan.

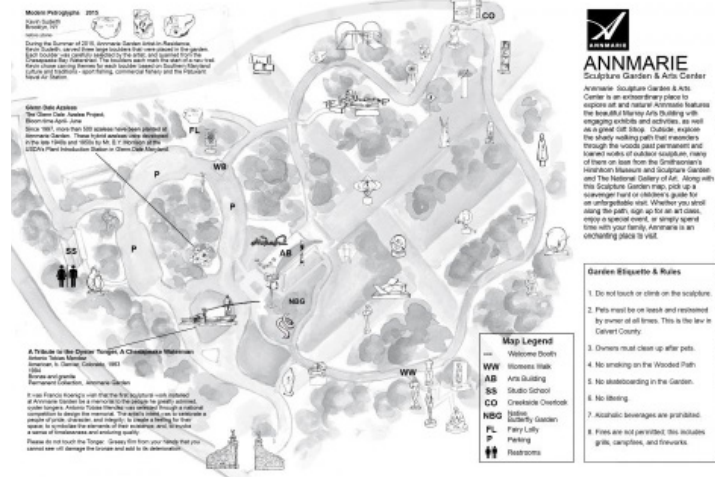
ANNMARIE SCULPTURE GARDEN & ARTS CENTER



This organization is supported in part by the Maryland State Arts Council (msac.org). Francis and Ann both passed away in the 1990s, but their dream lives on. Today, Annmarie Garden stands as a gesture of the gratitude that the Koenigs felt for the years spent at their beach home on the Chesapeake Bay. Their generous and precious gift provides a unique setting in Calvert County for visitors to explore a place where art and nature meet.



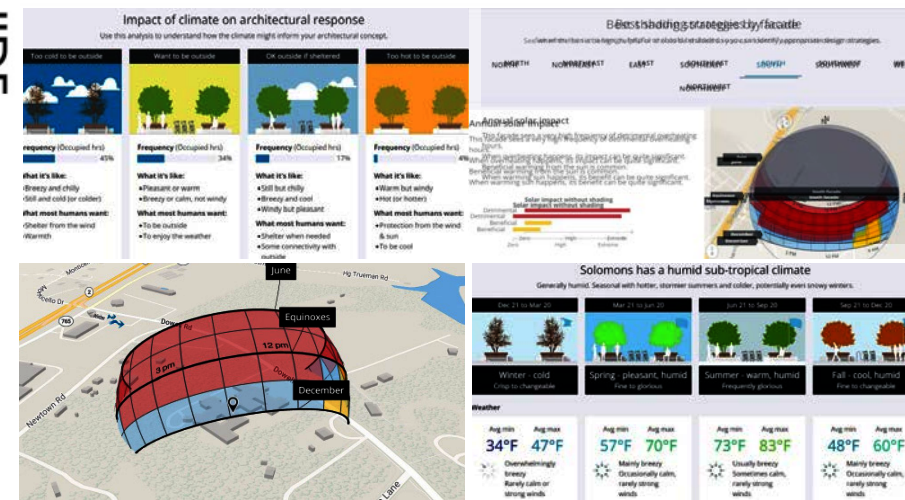
Ann Francis and Annmarie Koenig purchased 30 acres of land in Solomons, Maryland. After thirty-two years and many offers from developers, Fran began to see his investment as a unique opportunity to give something back to an area that he loved.



MAP & GUIDE

ANNMARIE
Sculpture Garden & Arts Center
An outdoor sculpture garden and arts center located on the former site of the Koenig family home. The garden is a tribute to the Koenig family and their love of art and nature. It features six permanent works of art and a variety of other sculptures. The arts center is a modern building with large windows and a red accent. It is used for events and exhibitions.

- Garden Etiquette & Rules**
- Do not touch or climb on the sculpture.
 - Photography is permitted for personal use only. No commercial photography.
 - Do not smoke or drink alcohol in the garden.
 - No smoking on the Wooded Path.
 - No smoking in the Garden.
 - No drinking.
 - No littering.
 - Alcoholic beverages are prohibited.
 - Fire is not permitted. This includes grills, campfires, and fireworks.



Francis Konig was an Architect, he moved from Chicago to Washington, D.C. and then to Calvert County. The garden was named after his wife Annemarie. The garden is affiliated with the Smithsonian Museum and has sculpture and permanent loans from the National Gallery of Art and the Hirshhorn Museum.



Presentation Boards

- Wilmer's Modern Dream- Thomas Adams, Bryce Akers, Matthew Ourand
- Wilmer's Harmony Park- Edenilson Contreras, Cierra Hargrove, Ryan Jeon
- Continuing the Legacy at Wilmer's Park- Isiah Dashiell, Madison Mohan, Kennedy Thomas-Cogar
- Walking with Wilmer- Abby Erwin, Carlos Gonzalez, Emmeline Steuernagle
- Wilmer's Euphony Park- Gabrielle Shelton, Charlotte Yang, Yasemin Cakil

Wilmer's Modern Dream

Bryce Akers, Matthew Ourand, Tom Adams

Goals:

- * Community engagement
- * Live music entertainment
- * Retain as much forest as possible
- * Noise control
- * Rejuvenate
- * Camping/Hiking/Biking/Equestrian trails
- * Space for family

Opportunities:

- * Strong community
- * Great history
- * Plenty of open space

Restrains:

- * Poor access
- * Noise
- * Current landform

Entertainment Area

Family and Nature

Celebration Center

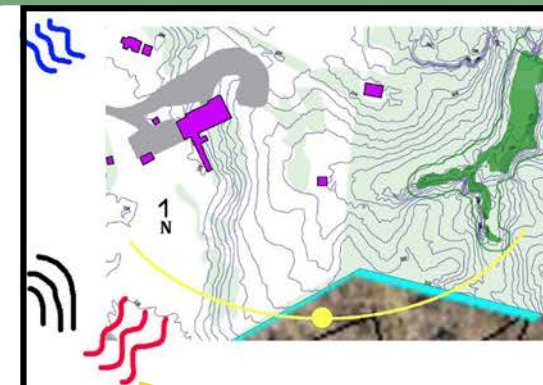
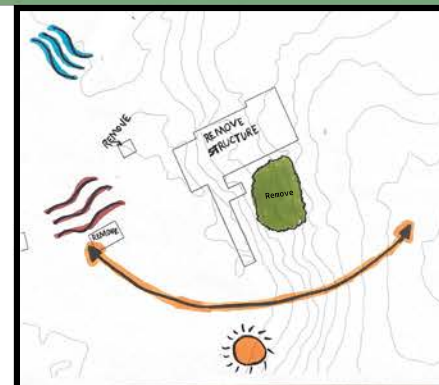


Celebration center/ sculpture walk

Entertainment Area

Family and Nature

Site analysis:



Wilmer's Modern Dream

Thomas Adams
 LARC 340
 Fall '22
 Dr. Kweon



Prelim of design

- 1 - Existing woods and proposed new woods with trails
- 2 - Natural wildflowers
- 3 - Nature play that is in the shape of an Amphitheater with seating
- 4 - Open field with earthen mounds and pavilions



Goals:

This site provides a natural play area for the children in the community to come to play. Which leads to a turf area that has sitting areas to enjoy natural views. The flower field provides an enjoyable place to walk, sit, or enjoy the scenery. The new wooded area provides shade and a peaceful place to walk.

ESD Calculation:

$(1'') \times (0.05 + 0.009) \times 0.13 \times (105416.7 \text{ sq ft}) / 12 = 15.5 \text{ cu ft of rain run off of this site.}$

Scale: 1" = 20'



Site Plan



Scale: 1" = 5'



Scale: 1" = 10'



Wilmer's Modern Dream

Thomas Adams
LARC 340
Fall '22
Dr. Kweon

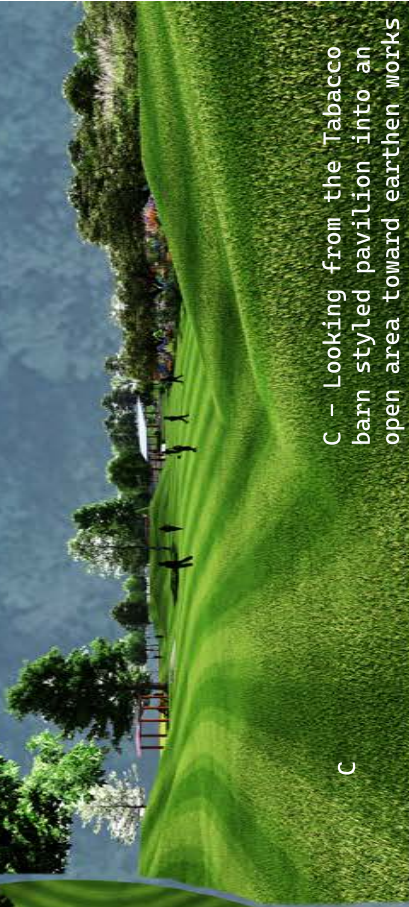


A - Looking into the pavilion in front of an earthen embankment in the



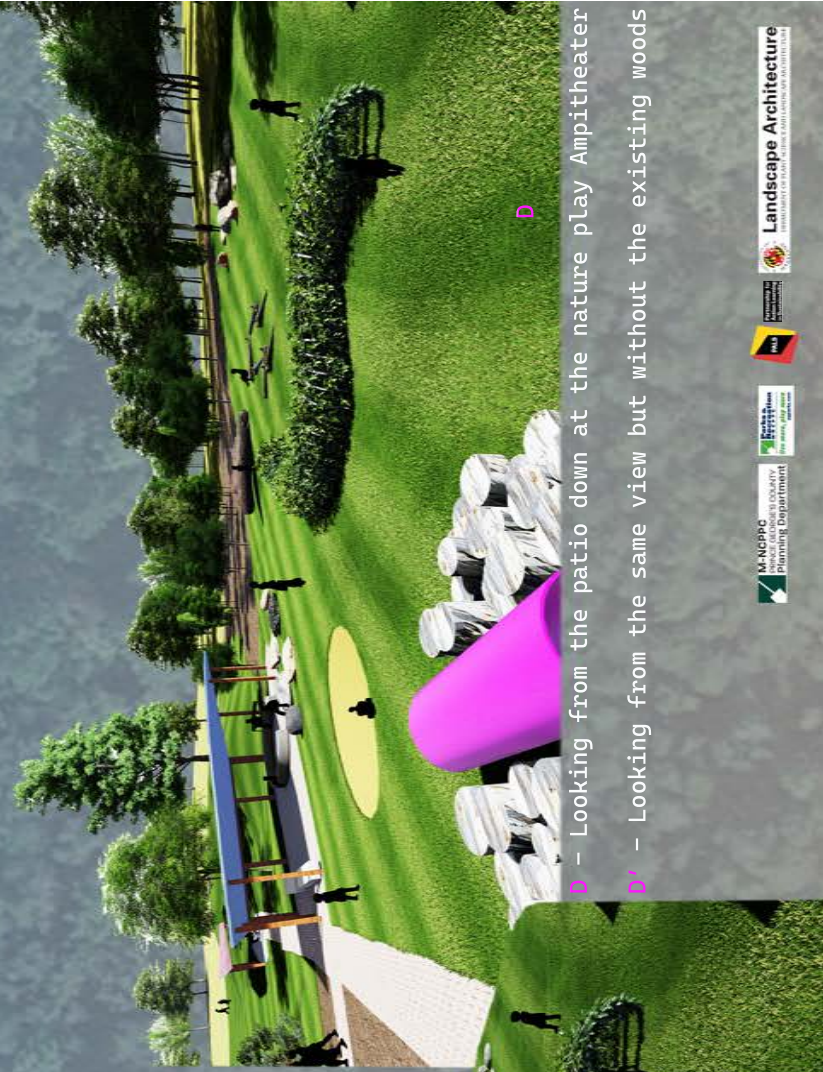
B

B - Looking from the top of an earthen embankment toward the Amphitheater play area



C

C - Looking from the Tabacco barn styled pavilion into an open area toward earthen works



D

D - Looking from the patio down at the nature play Amphitheater



D'

D' - Looking from the same view but without the existing woods





Wilmer's Modern Dream

Bryce Akers
Dr. Byoung-Suk Kweon
LARC 340 - Fall 2022
Wilmer's Park
December 5, 2022

Current ESD:

$$= ((1.8)(0.05+0.009(15.6))((62,787.05))/12)$$

$$= 1,793.20 \text{ ft}^3$$

Purposed ESD:

$$= ((1.8)(0.05+0.009(33.5))((62,787.05))/12)$$

$$= 3,310.45 \text{ ft}^3$$

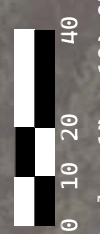
With the included bio-swale, the site is able to pick up roughly 86.8% of the runoff from the watershed it is located in

Goals:

The design goal for this site was to create and preserve the legacy that Mr. Arthur Wilmer created and make something he would be proud of



Scale: 1" = 20'-0"



Scale: 1" = 10'-0"

- 1: Celebration Gathering Space
- (Indoor and outdoor seating)
- 2: Sculpture Garden Walk
- 3: Reflection Pool
- 4: Timeline Wall
- 5: Bio-Swale
- 6: Grass Gathering Area

Wilmer's Modern Dream

Bryce Akers
 Dr. Byoung-Suk Kweon
 LARC 340 - Fall 2022
 Wilmer's Park
 December 5, 2022



Sculpture garden (A)



Sculpture (B)



Ghost Structure seating (C)



Timeline wall (E)



Reflection pool (D)



Outdoor seating (F)

Wilmer's Modern Dream

Matt Ourand
 Dr. Byoung-Suk Kweon
 LARC340 - FALL2022
 Wilmer's Park
 December 5, 2022



ESD CALCULATIONS

Total Impervious Surface:
 30645.14 ft²
 1/2 Area= 15,322.14 ft²
 Total Watershed Area:
 152,770.39 ft²
 1/2 Area= 76,385.2 ft²
 For Both Watersheds:
 I= 15,322.57 ft² = .2 = 20%
 W= 76,385.2 ft²

ESD:
 (1.2)[.05+.009(20)](76,385.2)
 12
 ESD= 9,013.45 ft³
 Total ESD= 18,026.9 ft³

DESIGN PROCESS



GOALS

- Indoor/Outdoor Stage (Barn)--ADA accessible path--Central food source
- Food Trucks--Strictly Outdoor Stage--Noise Cancellation
- Dance pads--Amphitheatre--Plenty of seating
- Retain as much vegetation as possible



P1 Aerial view of the barn stage

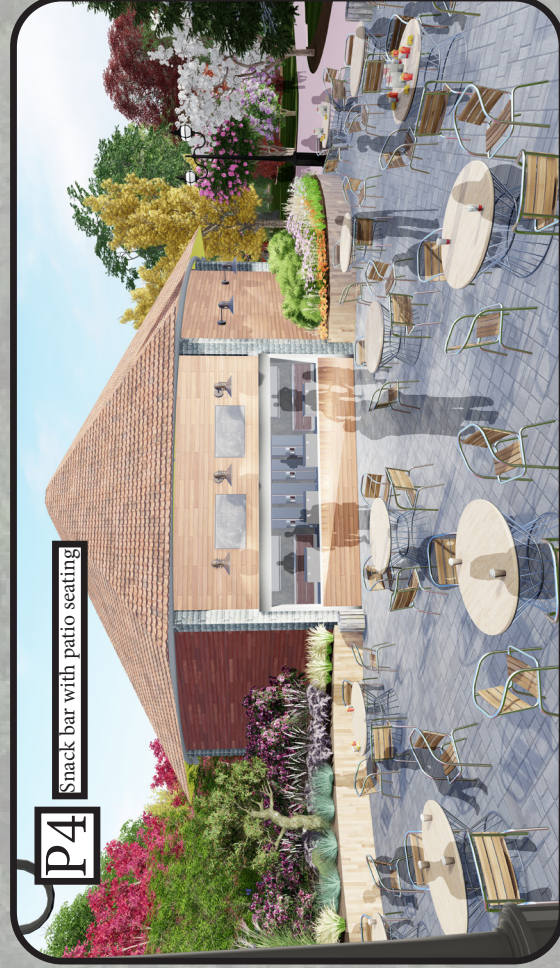


Matt Ourand -- Dr. Byoung-Suk Kweon -- LARC340 -- Fall 2022 -- December 5, 2022

Perspectives



P3 Aerial View of the Outdoor Stage



P4 Snack bar with patio seating



P2 Aerial View of the Southeast stage looking over the crowd



P5 Looking into the crowd from the Barn stage



P6 Looking into the crowd from the Outdoor stage

Wilmer's Harmony Park

Cierra Hargrove
 Eddie Contreras
 Ryan Jeon
 LARC340
 Dr. Kweon
 Fall 2022

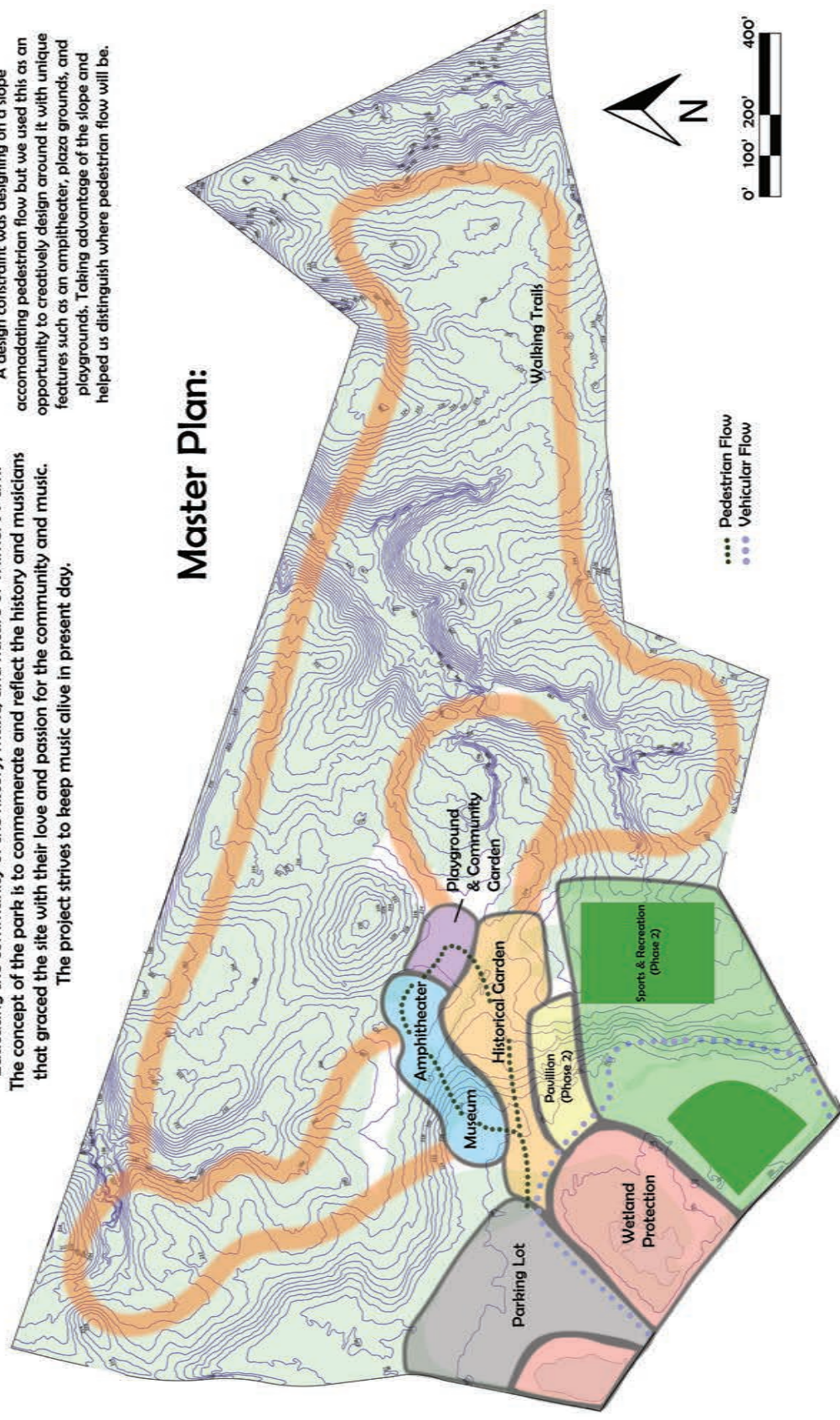
M-NCPPC
 Prince George's County
 Planning Department
 Landscape Architecture

PROJECT GOALS:

Educating the community of the history, music, and nature of Wilmer's Park. The concept of the park is to commemorate and reflect the history and musicians that graced the site with their love and passion for the community and music. The project strives to keep music alive in present day.

Design Constraints/Opportunities:

A design constraint was designing on a slope accommodating pedestrian flow but we used this as an opportunity to creatively design around it with unique features such as an amphitheater, plaza grounds, and playgrounds. Taking advantage of the slope and helped us distinguish where pedestrian flow will be.



Site Analysis

Museum and Amphitheater

- Steep Slope, will need retaining wall
- Tree removal by slope
- Put shade structures along south end
- Three different watershed boundaries



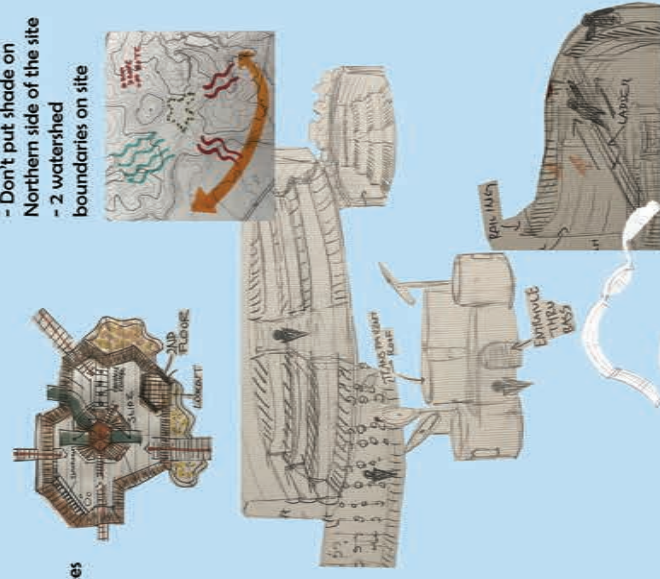
Historical Garden

- Mostly flat but has some hills
- Remove existing vegetation except the row of trees
- Use hill as seating area
- Two different watershed boundaries



Playground

- No contours on the proposed site
- Don't put shade on Northern side of the site
- 2 watershed boundaries on site



Concepts and Design Process



Wilmer's Harmony Park

Museum Entry Space, Amphitheater, and Dining Plaza

Sierra Hargrove
 LARC340
 Dr. Kweon
 Fall 2022



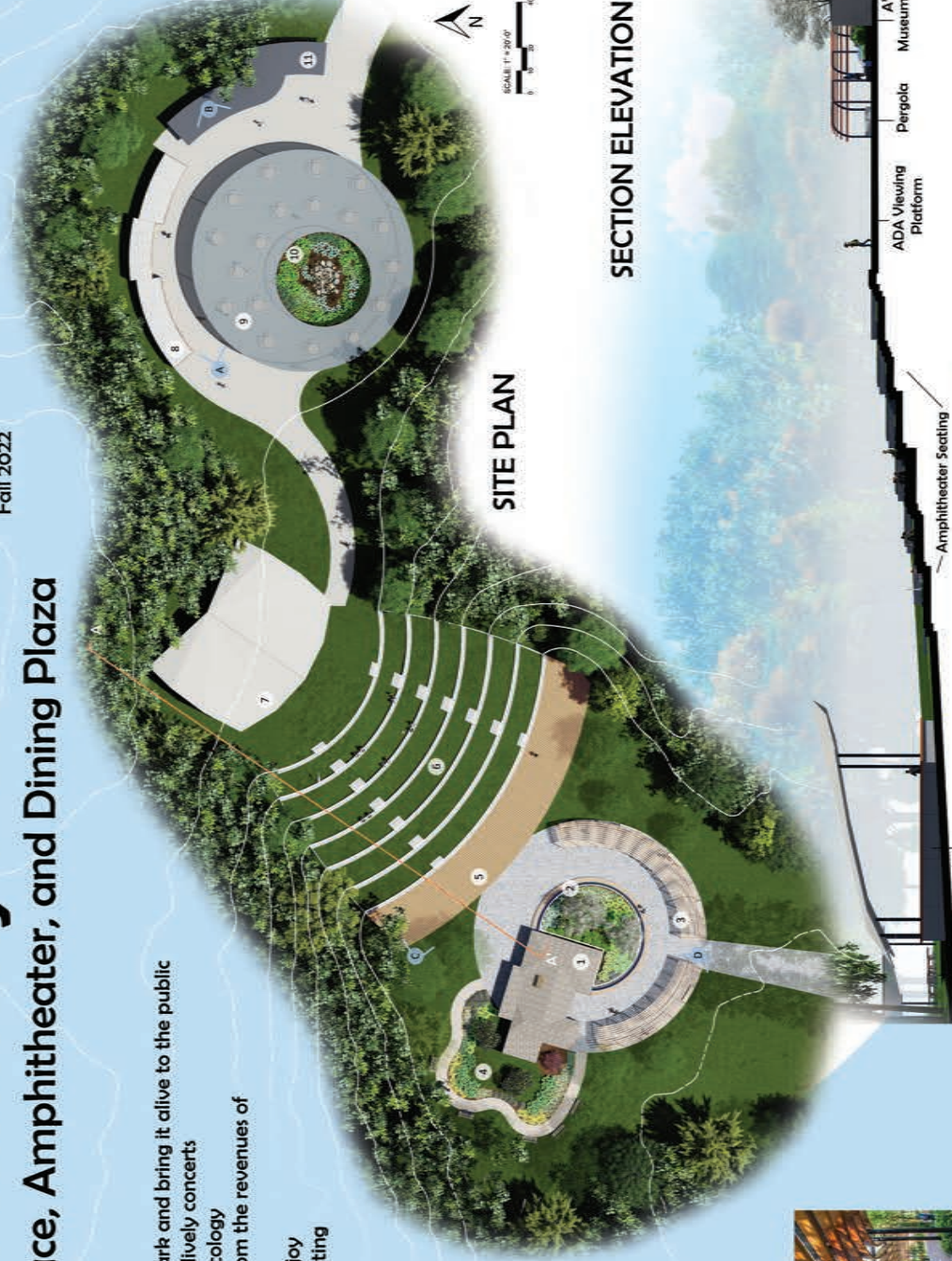
PROJECT GOALS

- Reflect on the rich history of the park and bring it alive to the public
- Bring back the spirit of music and lively concerts
- Preserve or improve the existing ecology
- Provide local economic benefits from the revenues of the concerts and food venue.
- Give the community a place to enjoy outdoor music while also appreciating the history of the site.

PROGRAM

- 1 Restored Museum House
- 2 Bench and Water Feature
- 3 Pergola w/ Timeline Walk
- 4 Flower Garden Path
- 5 ADA Accessible Viewing Platform
- 6 Amphitheater Seating
- 7 Covered Stage
- 8 Food Stalls
- 9 Dining Space w/ Shade Sail
- 10 Rain Garden
- 11 Restrooms

PRECEDENTS



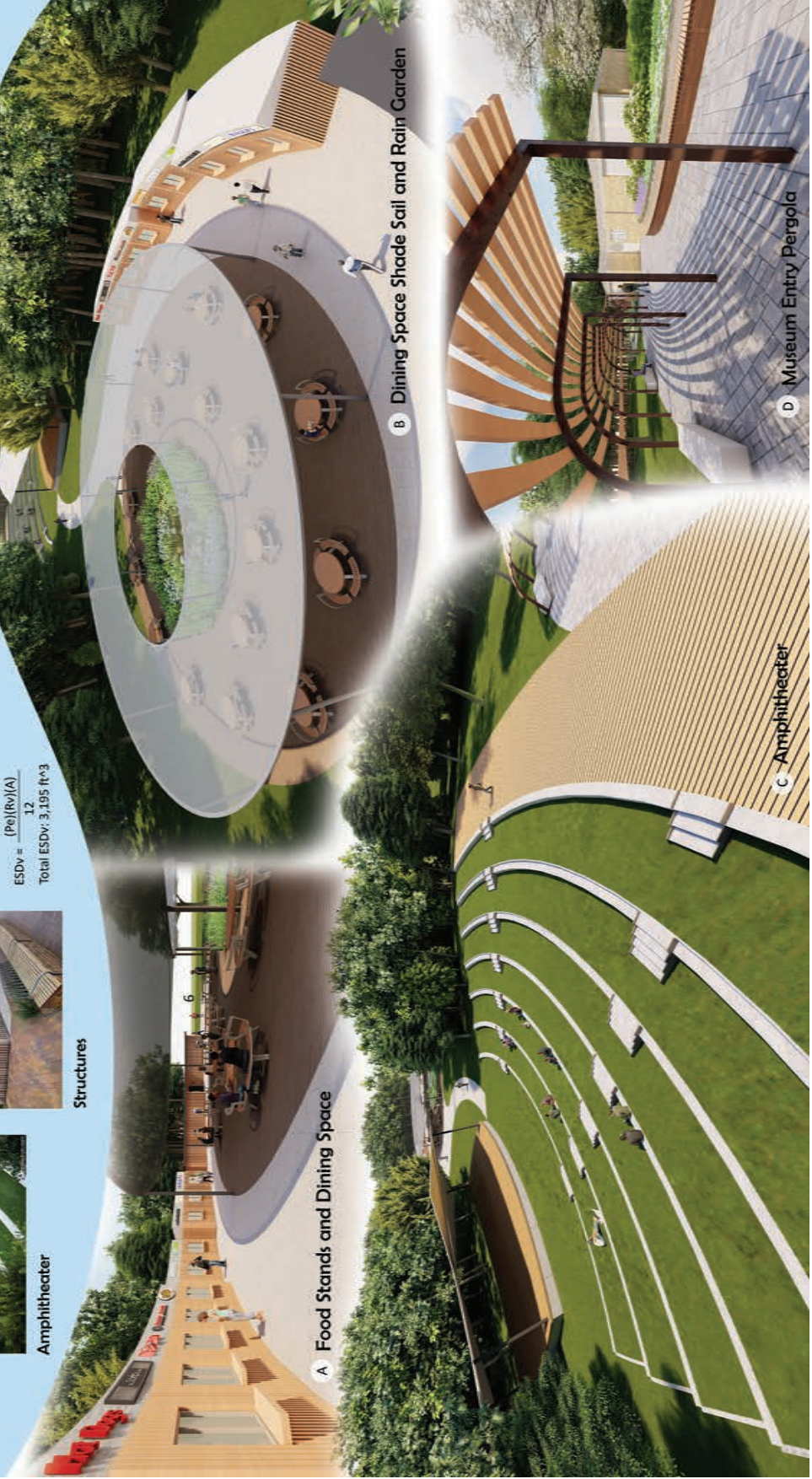
SECTION ELEVATION



ESD Stormwater Calculations

Watershed 1: A: 116,480 ft ² I: 19% Rv: 22 Per: 1.2 Soil Group A ESDv: 2,562 ft ³ $ESDv = \frac{(Pe)(Rv)(A)}{I}$ Total ESDv: 3,195 ft ³	Watershed 2: A: 3,246 ft ² I: 85% Rv: 815 Per: 2 Soil Group C ESDv: 440 ft ³	Watershed 3: A: 3,246 ft ² I: 85% Rv: 815 Per: 2 ESDv: 193 ft ³
---	---	---

Permeable Paving:
 Watershed 1: 1,984 ft² x .16: 318 ft³ (12%)
 Watershed 2: 2,786 ft² x .16: 446 ft³ (100%)
 Watershed 3: 1,195 ft² x .16: 192 ft³ (100%)
Rain Garden:
 Watershed 1: (1,255 ft² x .5) x (1,255 ft² x 1 x .4): 1,129 ft³ (44%)
 Total Captured: 65%





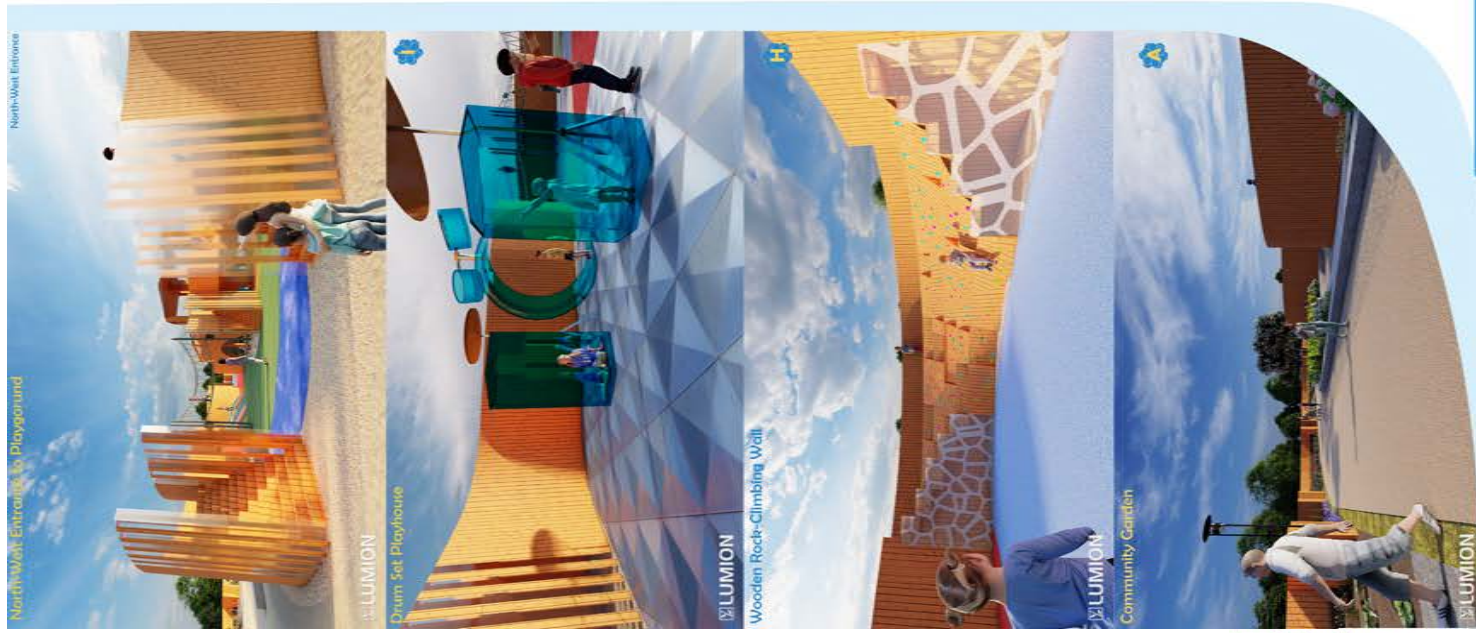
Wilmer's Harmony Park

Wilmer's Park Playground

Ryan Jeon,
LARC 340



live more, play more
pgparks.com



ESD Calculation
 ESD: $(D_r \times R_r \times A)/12$
 Existing ESD Conditions:
 3,246 R2
 Proposed Conditions:
 1- 8%
 P₁₀ = .015
 R₁₀ = .015
 ESD₁₀ = 3,873 R3

Design Goal

The design purpose for this particular site (within in the entire site design), emphasizes on the integration and quality of sound and music. This specific factor is relevant to this site, as the previous culture and history of Wilmer's Park show the diverse range and genre played throughout the course of the park. By implementing musical features and structures that could convey the "presence" of sound and music around the environment.

View from Top of Rock-Climbing Wall



Continuing the Legacy at Wilmer's Park

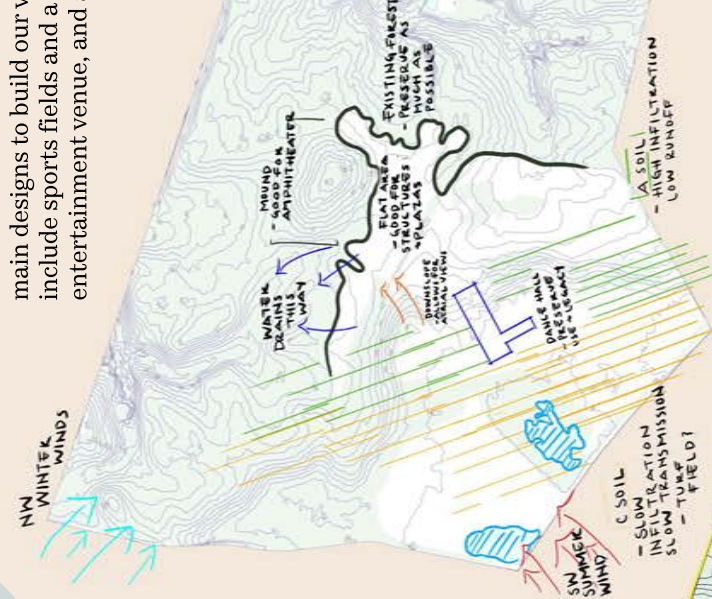
Our Goal

We hope to honor and preserve Arthur Wilmer's efforts in founding Wilmer's Park by providing amenities to educate and showcase future black leaders, athletes, and performers in the Prince George's area, while also remembering what and how significant Wilmer's Park once was.

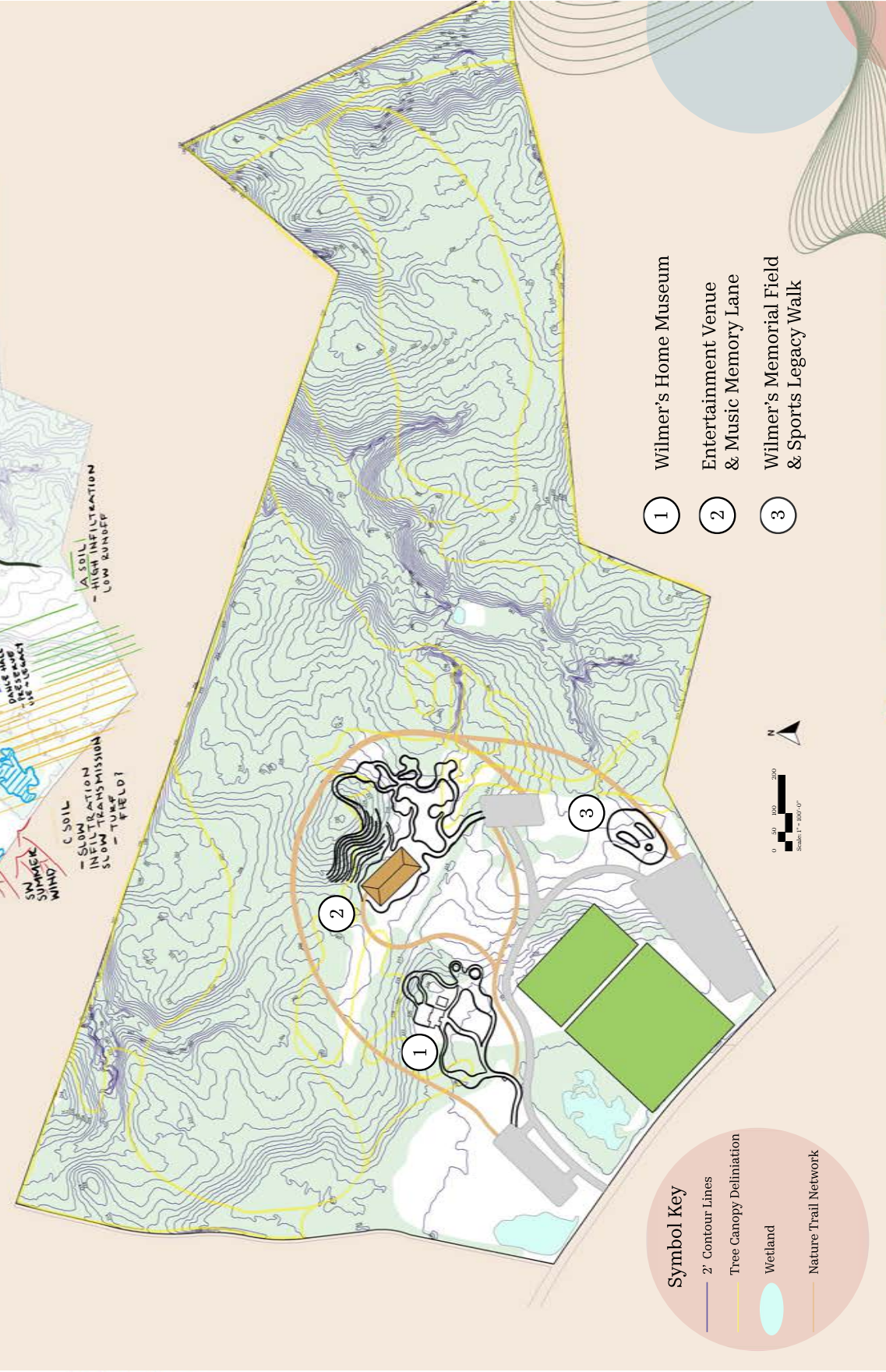
Community Results

After reaching out and talking to members of the community surrounding Wilmer's Park, we condensed their desires for revitalization into three categories. We have created three main designs to build our vision of Wilmer's Park, which include sports fields and a legacy walk, an indoor/outdoor entertainment venue, and a park museum.

Site Analysis



Master Plan



Symbol Key

- 2' Contour Lines
- Tree Canopy Delineation
- Wetland
- Nature Trail Network

- 1 Wilmer's Home Museum
- 2 Entertainment Venue & Music Memory Lane
- 3 Wilmer's Memorial Field & Sports Legacy Walk

Kennedy Thomas-Cogar, Madison Mohan, Isiah Dashiell | 12/12/22 | LARC340 | Professor Byoung-Suk Kwon



Landscape Architecture
DEPARTMENT OF PLANT SCIENCE AND LANDSCAPE ARCHITECTURE

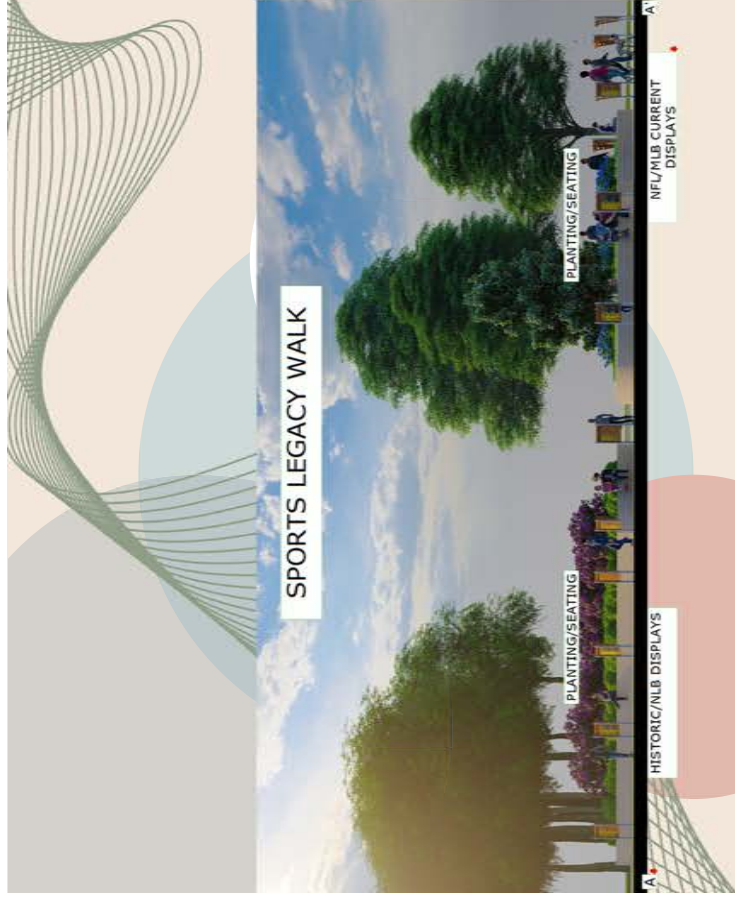


M-NCPPC
PRINCE GEORGE'S COUNTY
Planning Department

Wilmer's Memorial Field & Sports Legacy Walk

With our sport legacy walk and memorial field, we are honoring the rich history of Wilmer's Park while building towards the future of the Brandywine community. By rebuilding the baseball fields on sight and including black history within our legacy walk we are honoring the black athletes that played at Wilmer's Park along with trailblazers like Jackie Robinson and Willie Mays. Our sports legacy walk will chronicle black athletes and leaders over time, educating greater black youth and local community members on the African American experience in sports. Continuing this, Wilmer's Memorial Field will be played on by professional, collegiate, and youth baseball leagues for many, many years to come.

ESD Calculations
 Total Area : 2162592.68 sq.ft
 Impervious Area : 132551.8 sq.ft
 1% : 6%
 ESD : 18742.47 sq.ft



03 - Sport Legacy Walk

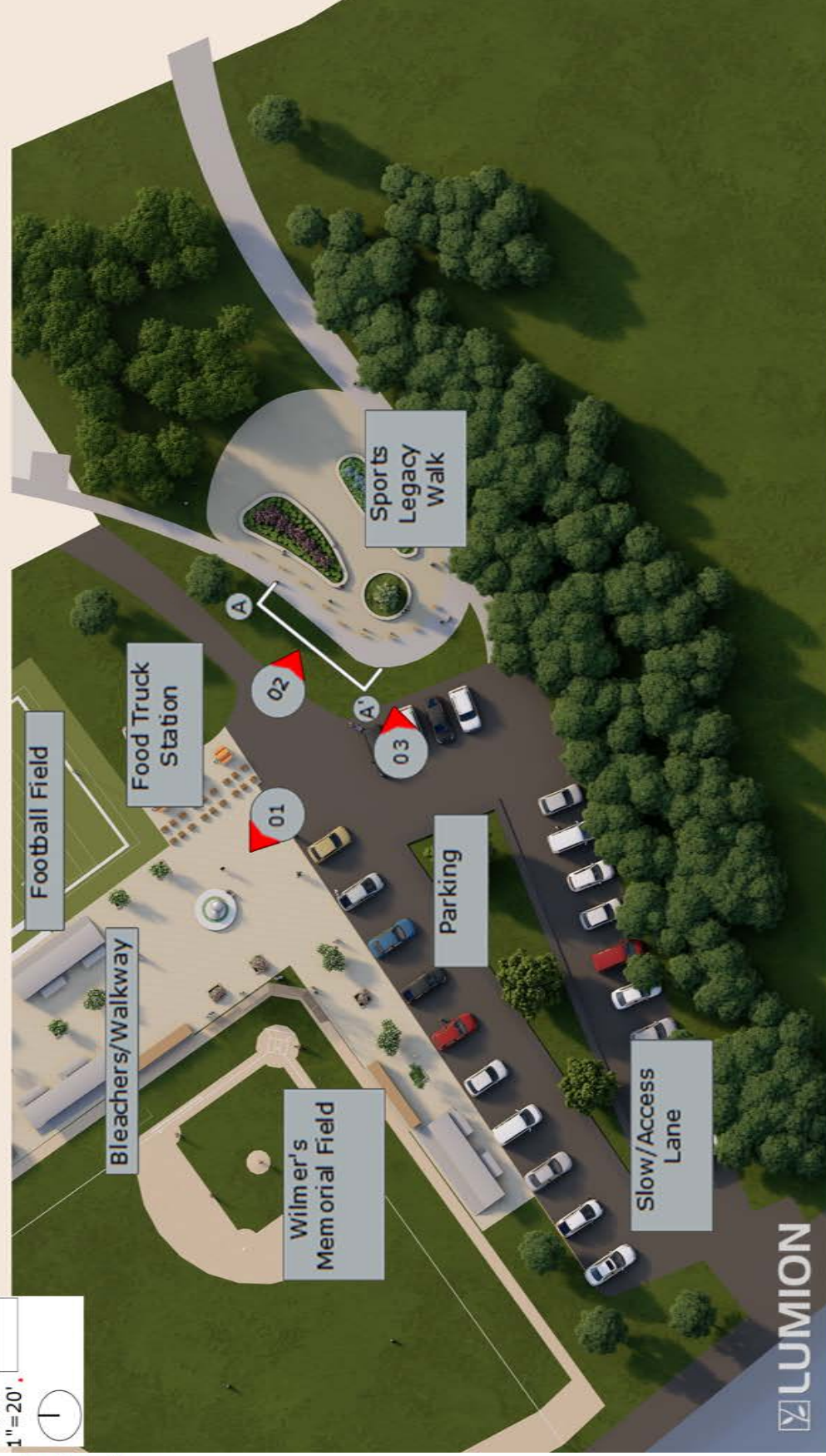


01 - Memorial Field Entrance



02- Sport Legacy Walk

Scale
 1" = 20'



Kennedy Thomas-Cogar, Madison Mohan, Isiah Dashiell | 12/12/22 | LARC340 | Professor Byoung-Suk Kweon





Continuing the Legacy at Wilmer's Park
2 Entertainment Venue & Music Memory Lane

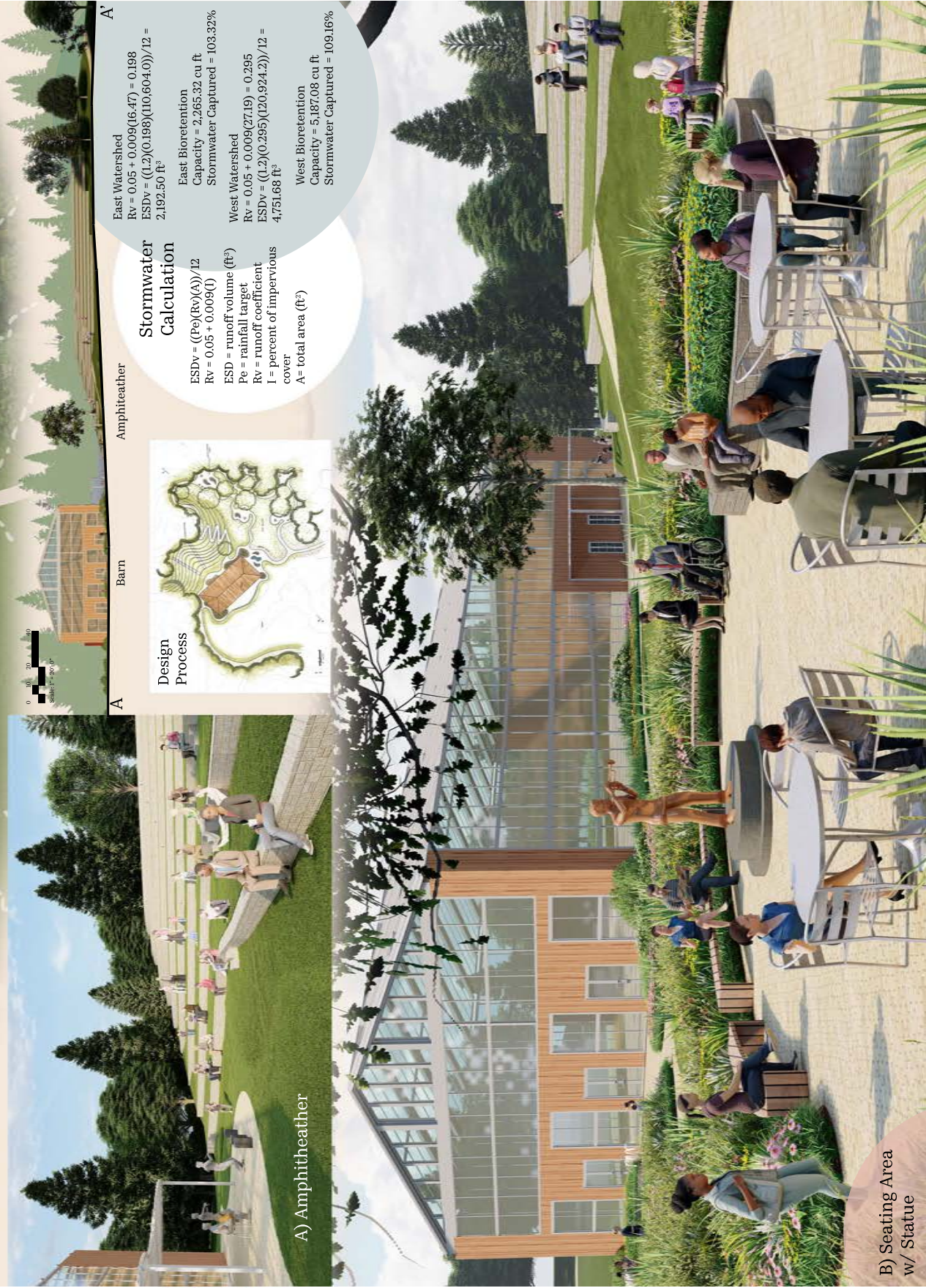
Design Goals

- Preserve the historic use of the site as a performance space for Black artists
- Provide multi-scale performance spaces, including a large open lawn space and a more intimate amphitheater
- Create a contemplative walk honoring musicians that are part of Wilmer's Park's legacy

Opportunities & Constraints

- The mound created a great opportunity for an amphitheater without extreme grading
- The gently sloping open space presents a good opportunity for lawn facing a stage
- Water flows away from the site, so there must be bioretention catching this water on either side
- Some tree removal is required for grading of the amphitheater

- 1 Open lawn
- 2 Entrance way
- 3 Wild flower and grass meadow
- 4 Contemplative seating area w/ statue
- 5 Amphitheater
- 6 Bioretention



Stormwater Calculation

$ESDv = ((Pe)(Rv)(A))/12$
 $Rv = 0.05 + 0.009(I)$
 $ESD = \text{runoff volume (ft}^3\text{)}$
 $Pe = \text{rainfall target}$
 $Rv = \text{runoff coefficient}$
 $I = \text{percent of impervious cover}$
 $A = \text{total area (ft}^2\text{)}$

East Watershed
 $Rv = 0.05 + 0.009(16.47) = 0.198$
 $ESDv = (1.2)(0.198)(110,604.0)/12 = 2,192.50 \text{ ft}^3$

East Bioretention
 Capacity = 2,265.32 cu ft
 Stormwater Captured = 103.32%

West Watershed
 $Rv = 0.05 + 0.009(27.19) = 0.295$
 $ESDv = (1.2)(0.295)(120,924.2)/12 = 4,751.68 \text{ ft}^3$

West Bioretention
 Capacity = 5,187.08 cu ft
 Stormwater Captured = 109.16%

B) Seating Area w/ Statue

Madison Mohan | 12/7/22 | LARC340 | Professor Byoung-Suk Kweon

Continuing the Legacy at Wilmer's Park
1 Wilmer's Home Museum



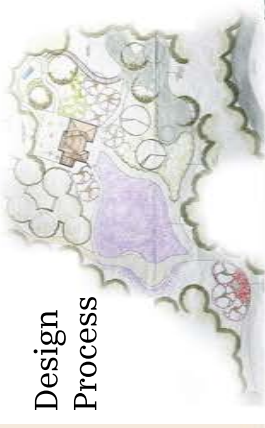
Design Goals

1. Save and renovate Wilmer's home into a museum space
2. Embrace and celebrate the history of the site
3. Educate the community on the history of the site while also teaching them new things

Opportunities and Constraints

1. Wilmer's house is the best structure left on the site, opportunity to renovate into museum
2. Mostly flat site, only need to shift a few contours
3. Located in three separate watersheds, need three areas of bioretention

Design Process



1. Restored ticket booth
2. Low-mow meadow
3. Stone walk with Wilmer and Family
4. Wilmer's home (museum)
5. Outdoor plaza / learning classroom
6. Path around lawn area with reflection pond
7. Nature path



Stormwater Calculation

Watershed 1:
 ESD = $(1.2)(0.05+0.009(22.14))(24,201.65)/12$
 = 3,161.36 cu ft
 Bioretention Capacity = 2713.5 cu ft
 Stormwater Captured = 86%

Watershed 2:
 ESD = $(1.2)(0.05+0.009(19.98))(34,589.87)/12$
 = 4,077.52 cu ft
 Bioretention Capacity = 3926.3 cu ft
 Stormwater Capacity = 96%

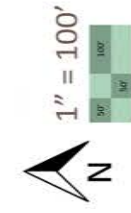
Watershed 3:
 ESD = $(1.6)(0.05+0.009(28.27))(18,558.93)/12$
 = 4,127.33 cu ft
 Bioretention Capacity = 4,006.6 cu ft
 Stormwater Capacity = 97%



Wilmer's Museum, Back Plaza, and Nature Path

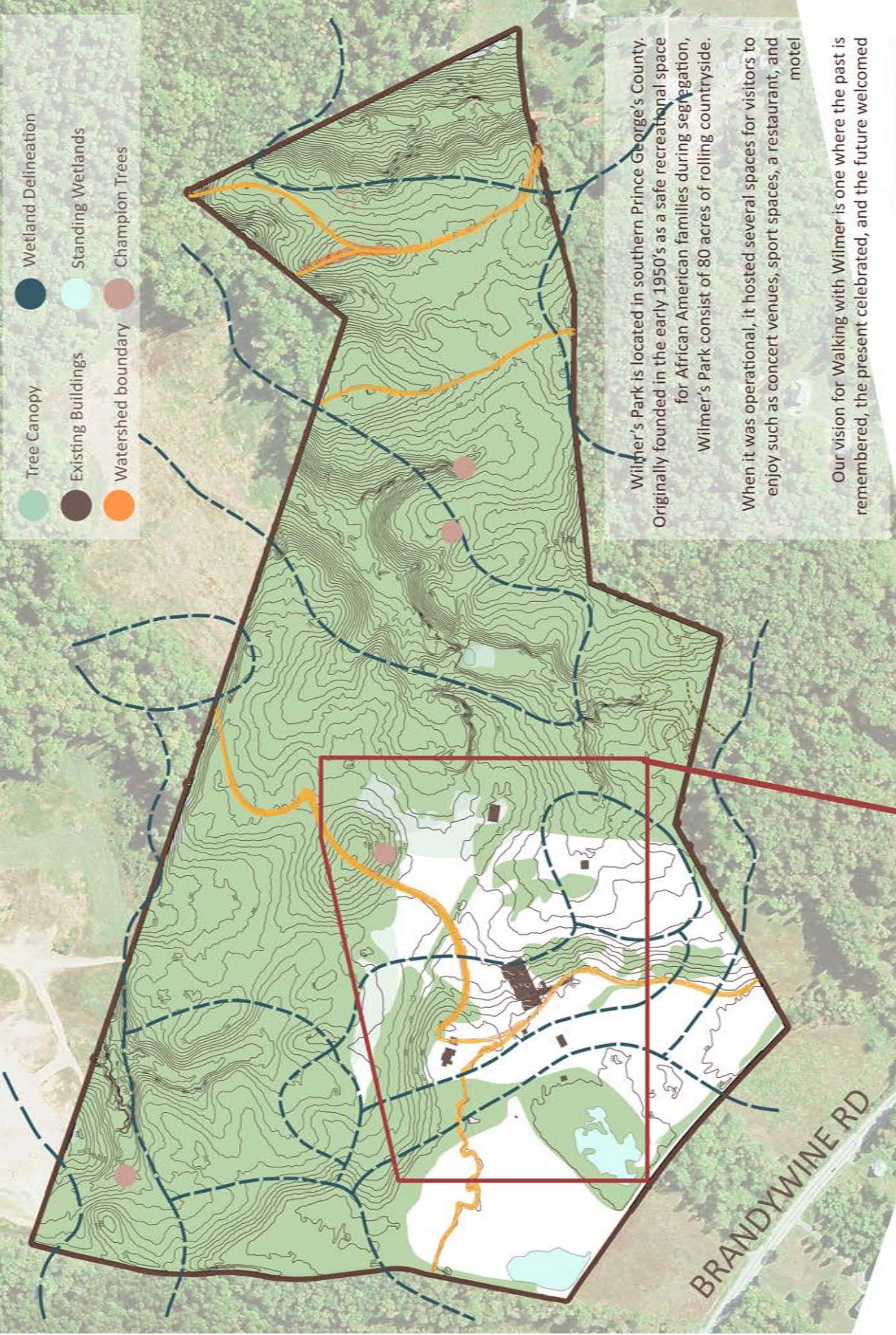
Kennedy Thomas-Cogar | 12/12/22 | LARC340 | Professor Byoung-Suk Kweon





WALKING WITH WILMER

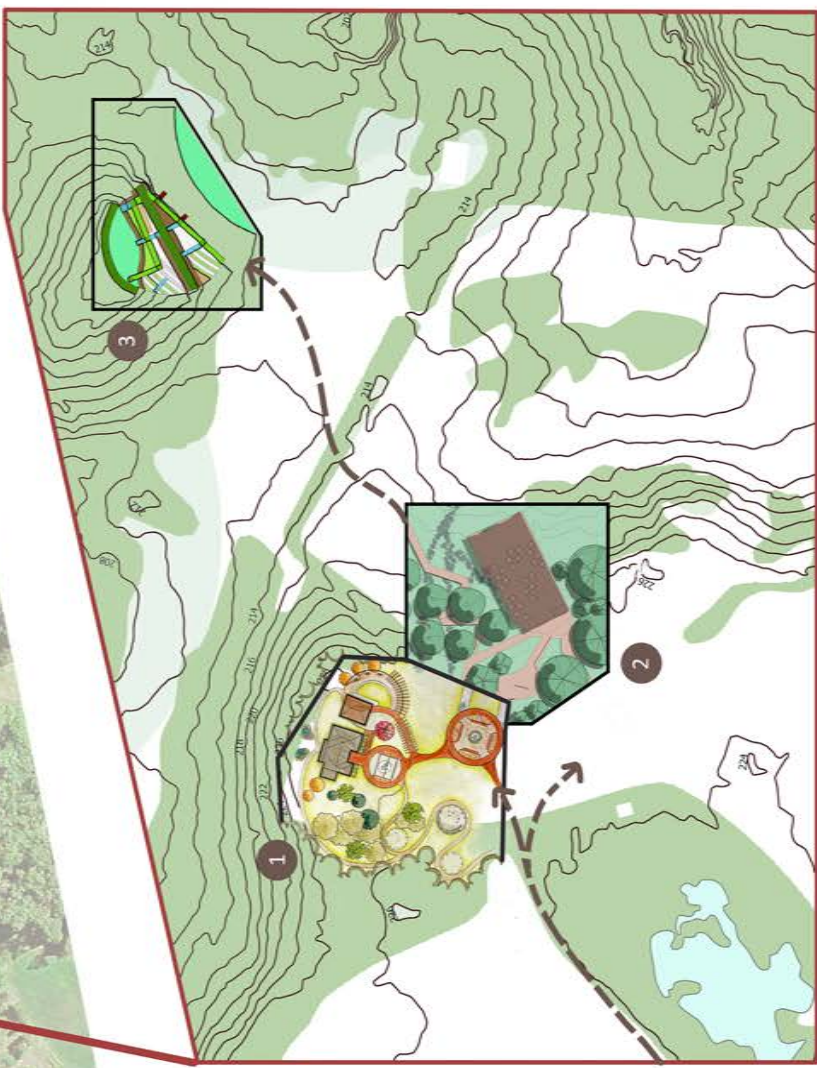
ABBY ERWIN, CARLOS GONZALEZ, EMMELINE STEUERNAGLE
LAIRC 340, FALL 2022, DR. BYOUNG-SUK KWEDON



- Tree Canopy
- Wetland Delineation
- Existing Buildings
- Standing Wetlands
- Watershed boundary
- Champion Trees

Wilmer's Park is located in southern Prince George's County. Originally founded in the early 1950's as a safe recreational space for African American families during segregation, Wilmer's Park consist of 80 acres of rolling countryside. When it was operational, it hosted several spaces for visitors to enjoy such as concert venues, sport spaces, a restaurant, and motel. Our vision for Walking with Wilmer is one where the past is remembered, the present celebrated, and the future welcomed.

- Phase 1:
1. Wilmer's Gallery + Artifact Trail
 - Keep/renovate existing building
 - Thin woods to west for trail
 - Provide orientation to the site
 - Regrade to flatten areas
 - Plant evergreens for seasonal interest
 2. Event Space + Boardwalk
 - Keep existing built foundation
 - Enhance views to the east
 - Create planted boardwalk path
 - Use stormwater as a focal element
 - Recall history through signage
 3. Amphitheater
 - Create large event space
 - Showcase nearby champion tree
 - Regrade hill to incorporate seating
 - Incorporate ADA compliant stramp
 - Framing view shed towards the northwest

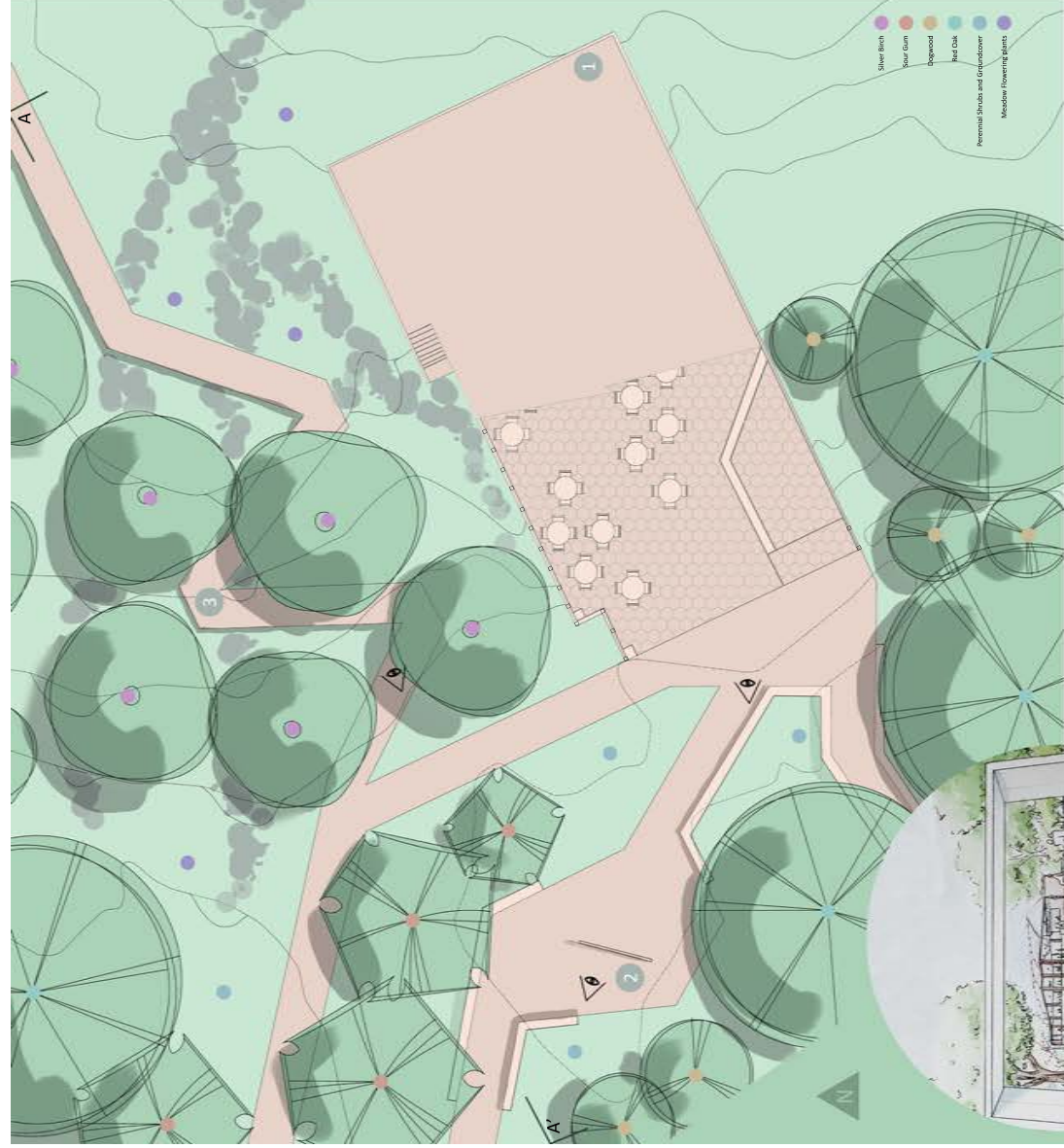


EVENT SPACE + BOARDWALK

ABBY ERWIN, WALKING WITH WILMER, LARC340

Event space sits on a terrace built on the original foundations of the dance hall/restaurant complex. A boardwalk extends down the hillside towards the amphitheater.

Rocks and native plantings create a beautiful setting for signage emphasizing the historic value of the site.



PLAN AND SECTION, 1" = 10'

2 RESIN SIGNAGE

Resin signage placed at the original location of the dance hall/restaurant.

ESD CALCULATIONS

$$ESDV = ((PE)(RV)(A))/12 = 2075.38 \text{ cu. ft.}$$

$$PE = 1.6'$$

$$RV = 0.05 + 0.009(I) = 0.293$$

$$A = 53,124 \text{ sq. ft.}$$

TOTAL AREA CAPTURED = 3,394 cu. ft. or 164%



3 BOARDWALK

Historic and interpretive signage.



1 EVENT SPACE

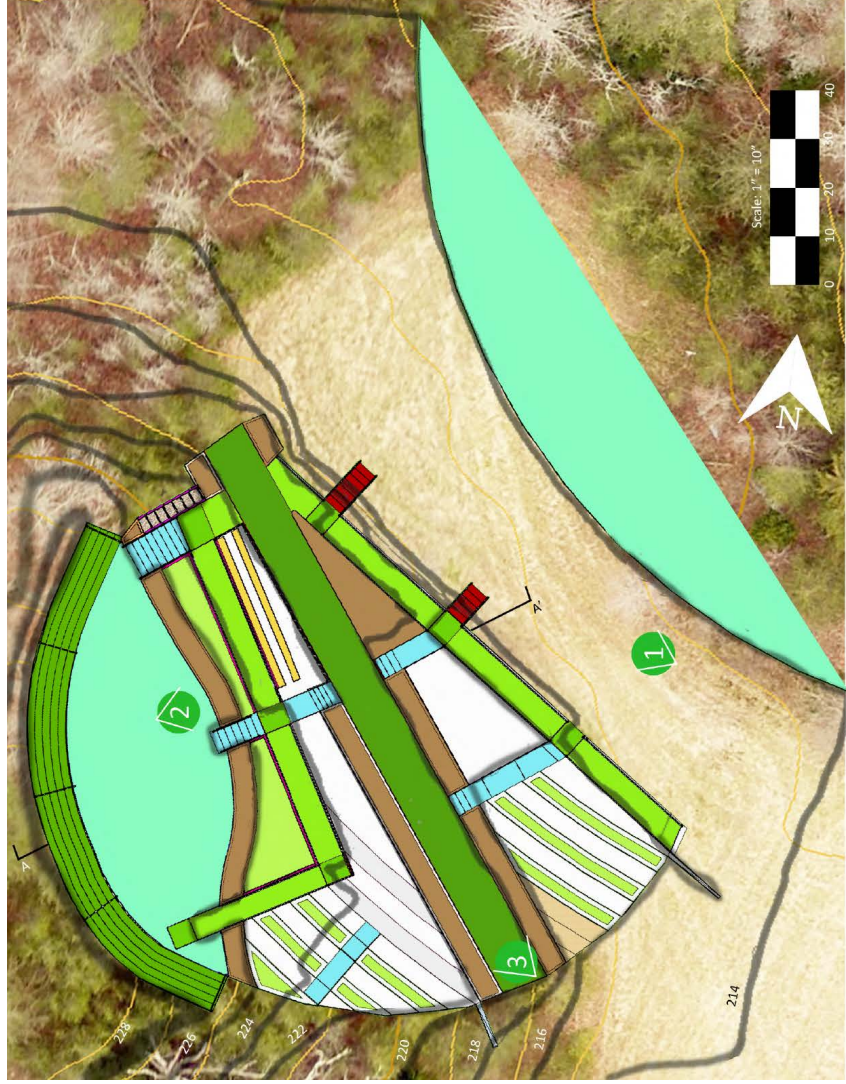
AMPHITHEATER

CARLOS GONZALEZ, WALKING WITH WILMER
DR. KWEON - LARC340

Amphitheater event space, along with an overlook terrace, was programmed into a hill. A promenade connects an ADA ramp that assists all visitors to the top of terrace.

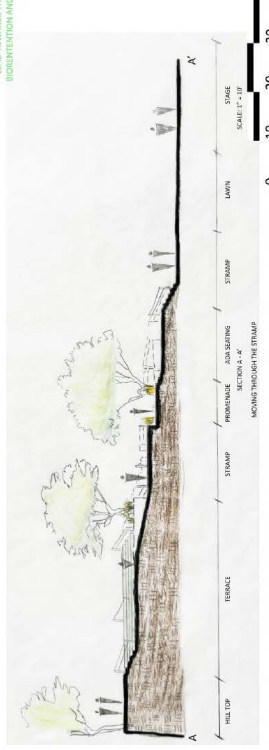
Bioretention areas and pollinator gardens line the edges of the amphitheater and promenade to provide habitat and manage storm water.

- Programmed Elements:**
- Community gathering space
 - Music venue
 - Bioretention and pollinator gardens
 - Water feature
- Goals and Community Engagement:**
- Event space for large events and musical events
 - Attract new visitors
 - Green infrastructure storm water management
 - ADA accessibility



3 PROMENADE

A PROMENADE CONNECTS THE TERRACE, STAGE AND BIORETENTION AND POLLINATOR GARDENS



ESD CALCULATIONS

ESDV = [(PE)(RV)(A)]/12 = 1014.19 ft³ TOTAL AREA CAPTURED = 2448.5 ft² or 121%

PE = 1"
RV = 0.05 + 0.009(15) = 0.135
A = 65,785 ft²

RAIN GARDENS: 1174.15 ft²
PERMEABLE PAVEMENT: 1274.3 ft²



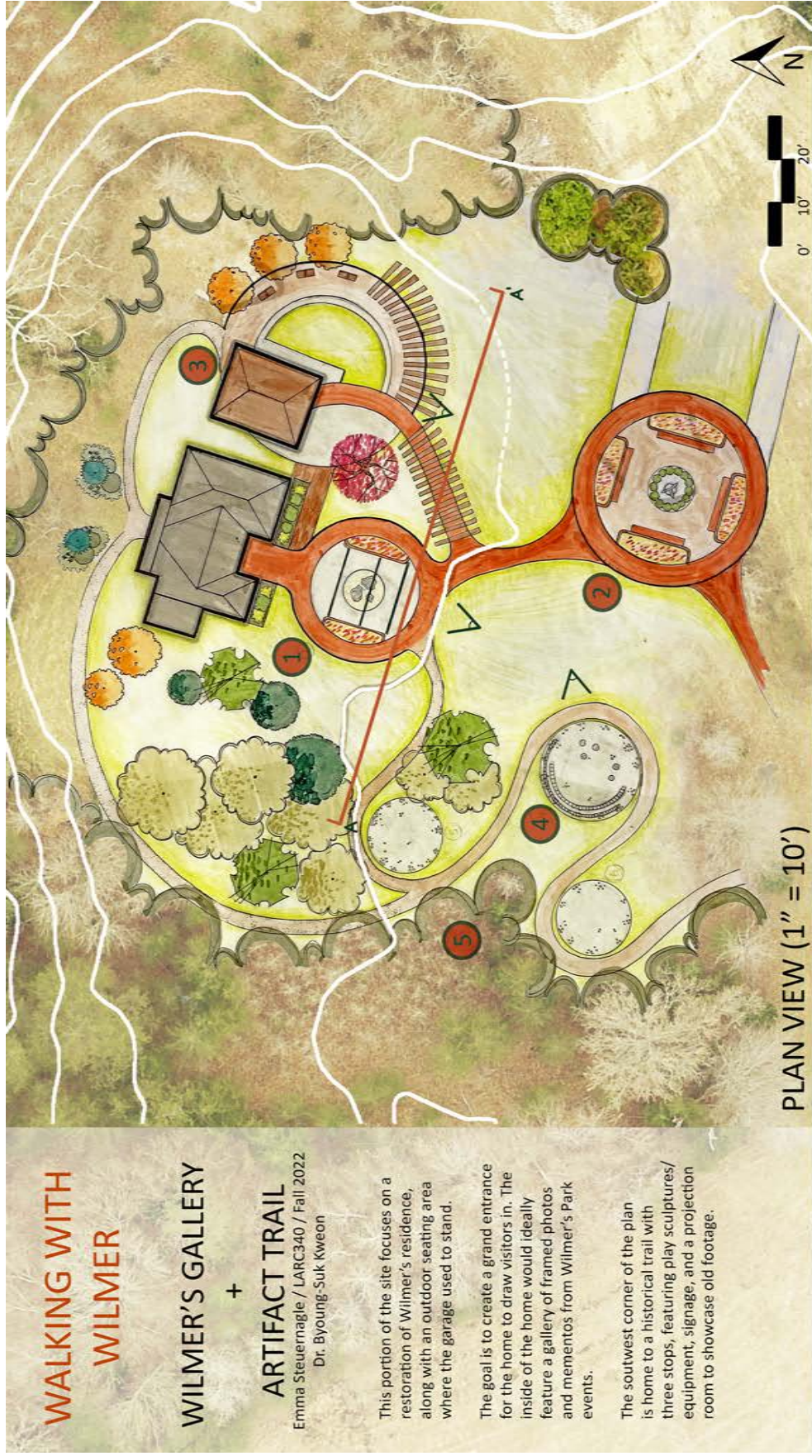
2 TERRACE OVERLOOK

A VIEW TOWARDS THE AMPHITHEATER



1 STAGE AND LAWN

STAGE COMPOSED OF PERMEABLE PAVEMENT FOR EVENTS WITH LARGE STAGES



WALKING WITH WILMER

WILMER'S GALLERY + ARTIFACT TRAIL

Emma Steuernagle / LARC340 / Fall 2022
Dr. Byoung-Suk Kweon

This portion of the site focuses on a restoration of Wilmer's residence, along with an outdoor seating area where the garage used to stand.

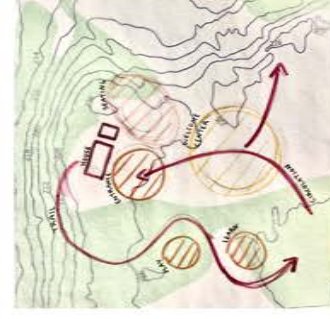
The goal is to create a grand entrance for the home to draw visitors in. The inside of the home would ideally feature a gallery of framed photos and mementos from Wilmer's Park events.

The southwest corner of the plan is home to a historical trail with three stops, featuring play sculptures/equipment, signage, and a projection room to showcase old footage.

PLAN VIEW (1" = 10')

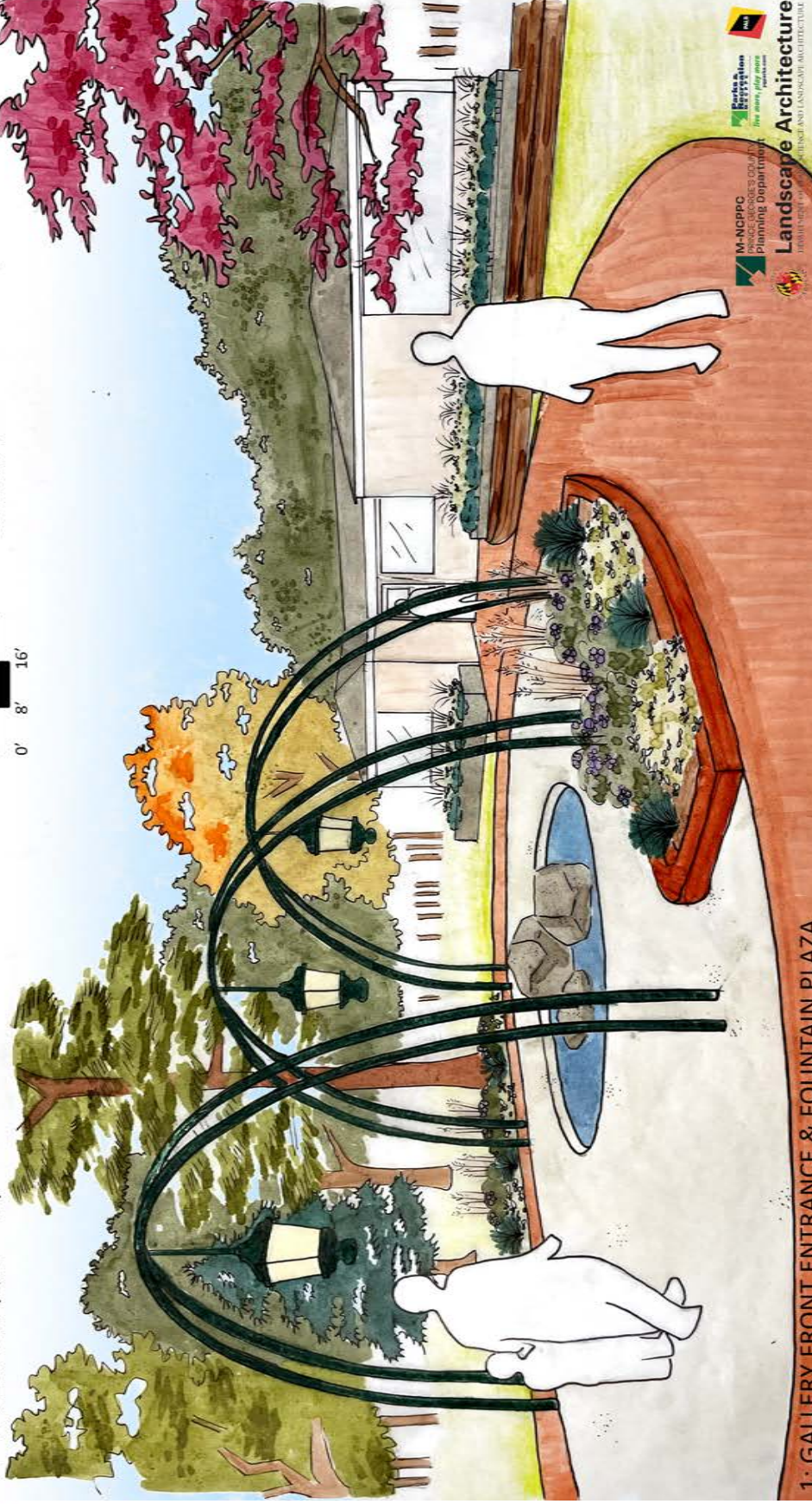


A - A' SECTION (1/8" = 1')

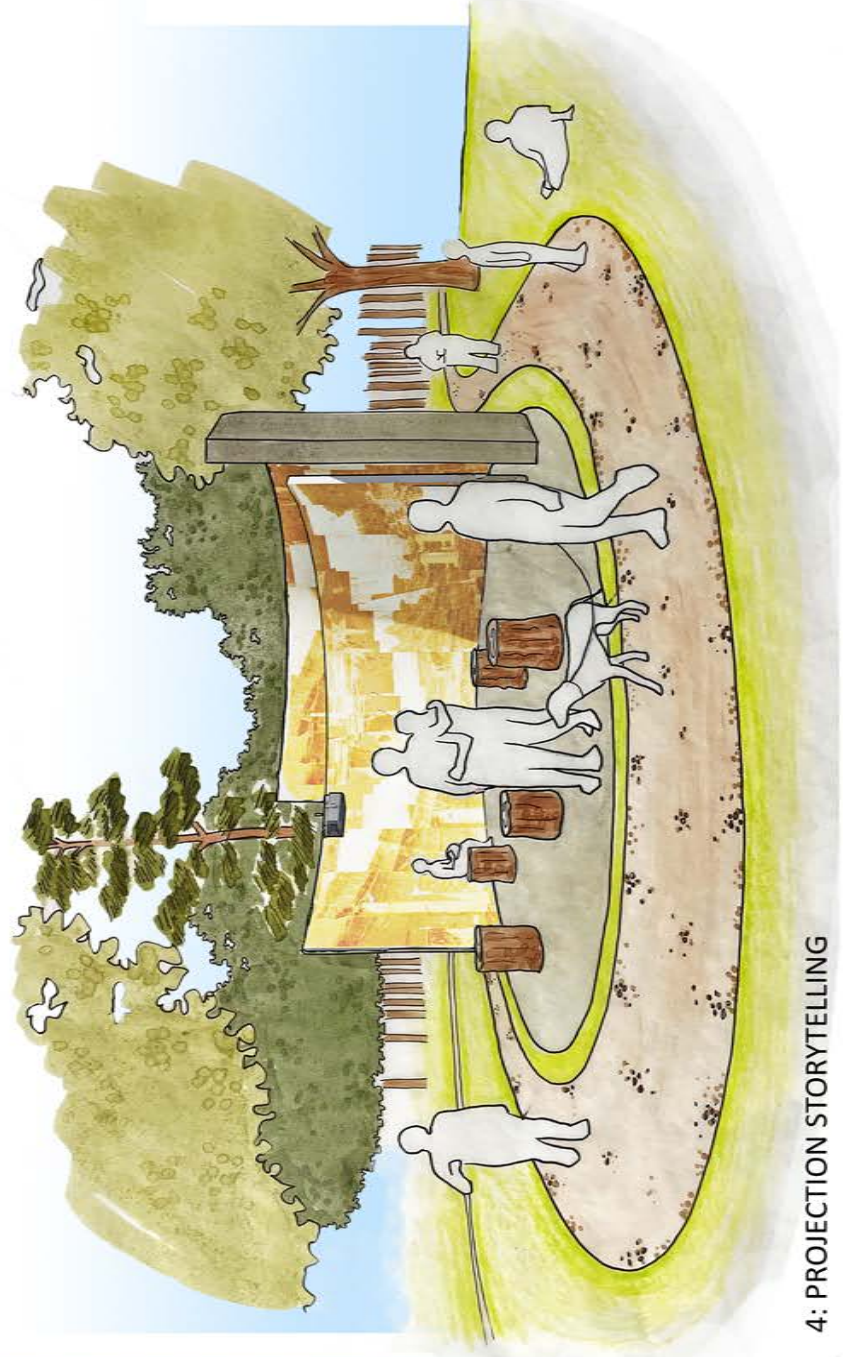


- LEGEND:**
- 1: GALLERY FRONT ENTRANCE & FOUNTAIN PLAZA
 - 2: WELCOME CIRCLE W/ SIGNAGE AND SEATING
 - 3: PAVILION AND LAWN MOUND
 - 4: PROJECTION STORYTELLING
 - 5: INTERACTIVE ARTIFACT PLAY

CONCEPT



1: GALLERY FRONT ENTRANCE & FOUNTAIN PLAZA



4: PROJECTION STORYTELLING

ESD CALCULATIONS:

$ESD = (Pe * Rv * A) / 12$

north watershed (class c)
 existing conditions: Pe = 1" A = 21400 sqft
 I = 5.6% Rv = 0.05 + 0.009(5.6) ESDV = 179 cubic ft
 proposed conditions: Pe = 1.6" A = 21400 sqft
 I = 28.7% Rv = 0.05 + 0.009(28.7) ESDV = 879 cubic ft

south watershed (class c)
 existing conditions: Pe = 1" A = 24297 sqft
 I = 0% Rv = 0.05 + 0.009(0) ESDV = 101 cubic feet
 proposed conditions: Pe = 1.2" A = 24297 sqft
 I = 24.1% Rv = 0.05 + 0.009(24.1) ESDV = 648 cubic feet



PRECEDENT IMAGES



3: PAVILLION AND LAWN MOUND



WILMER'S EUPHONY PARK

Charlotte Yang, Gabrielle Shelton, Yasi Cakil, LARC 340
 Dr. Byoung-Suk Kweon



Goals

- ★ Honor the historical significance of Wilmer's Park.
- ★ Revitalize music performance and education at the site
- ★ Create a safe and fun park for children and families.

Community desires

1. Honor the legacy of the park
2. Performance venue
3. Play space for kids and families
4. Cultural arts center

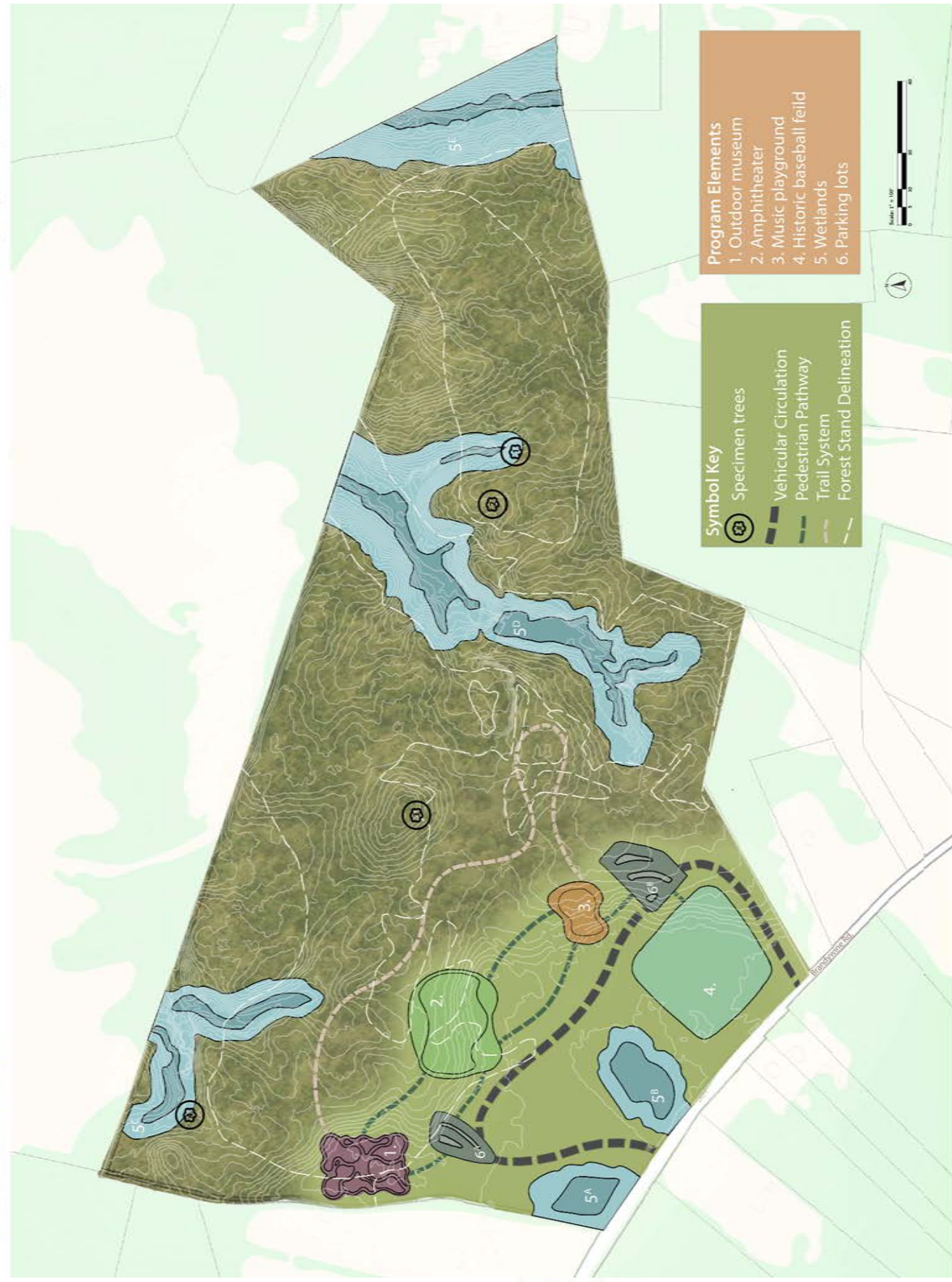
Opportunities

1. Rich history
2. Lots of open space/ trees
3. Vibrant surrounding community

Constraints

1. Limited access points to site
 - Heavy traffic, two lane road, and limited safe, legal parking
2. Limited infrastructure
 - Roads/ paths, plumbing, drainage

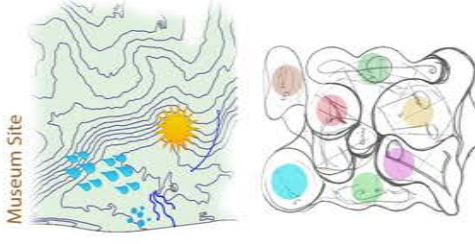
MASTER PLAN



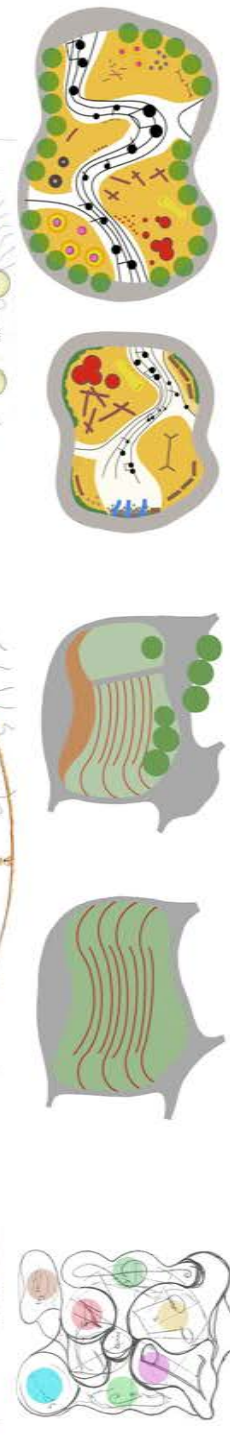
- ### Symbol Key
- Specimen trees
 - Vehicular Circulation
 - Pedestrian Pathway
 - Trail System
 - Forest Stand Delineation

- ### Program Elements
1. Outdoor museum
 2. Amphitheater
 3. Music playground
 4. Historic baseball field
 5. Wetlands
 6. Parking lots

Site Analysis



Design Process



WILMER'S EUPHONY PARK: MUSIC PLAYGROUND

GABRIELLE SHELTON, LARC 340, Fall 2022
 Dr. Byoung-Suk Kweon



Goals:
 Create a whimsical approach to the traditional playground
 Explore music and music history in an age appropriate way
 Engage all age groups and encourage exploration and play



P1. Large instrument play

A. South view: Music playground



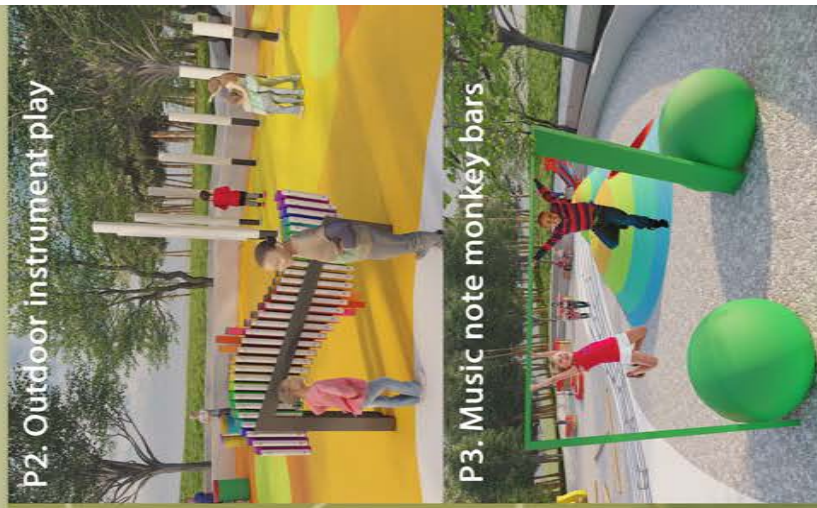
Program Elements

1. Musician Remembrance walk
2. Music staff path
3. Large instrument play
 - Drum platforms
 - Drumstick balance beams
 - Saxophone slide
4. Climbing play
 - Music note monkey bars
5. Outdoor instruments
6. Toddler play
 - Drum platforms
7. Bioretention walk

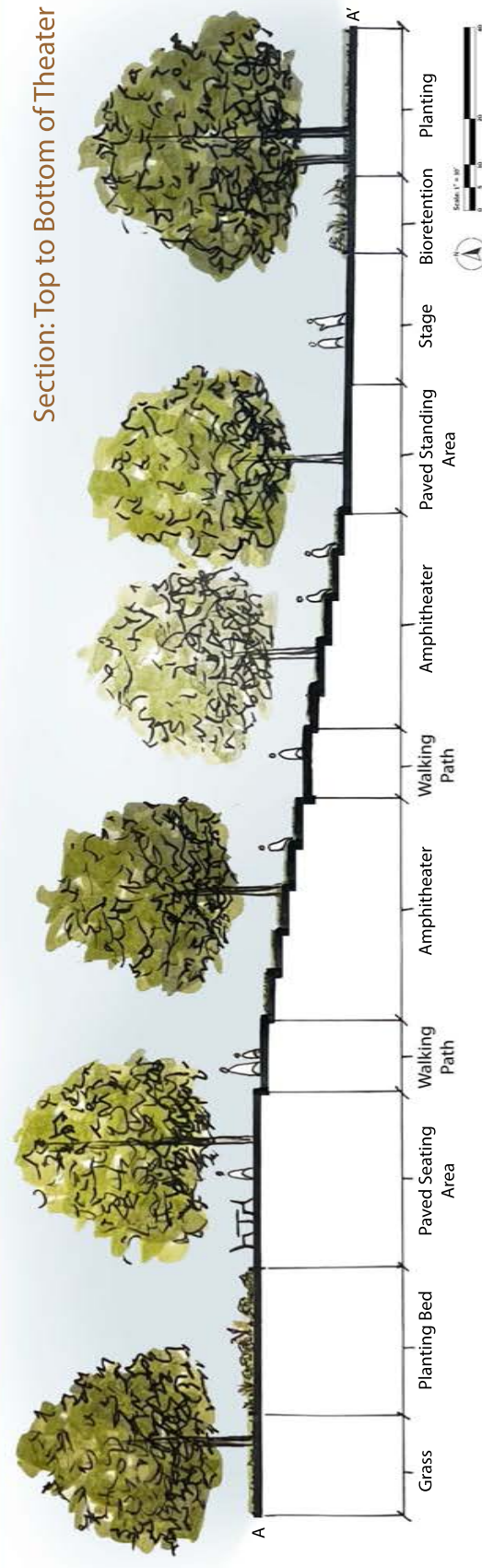
ESD Calculations

ESD = $(P_e \cdot R_v \cdot A) / 12$
 Existing Conditions
 ESD = 872.37 ft³
 Designed Conditions
 $P_e = 1.8"$ (Perm. paving on A soil)
 $R_v = 0.05 + 0.009(85) = 0.815$
 $I = 10,741 \text{ ft} = 84\% \text{ imp. cover}$
 $A = 12,782 \text{ ft}^2$
 ESD = $((1.8)(0.815)(12782))/12$
 = 1,562.6 ft³
 Stormwater captured = 98.5%

Plan View



WILMER'S EUPHONY PARK: AMPHITHEATER
 Charlotte Yang, LARC 340
 Dr. Byoung-Suk Kweon



Individual Site Plan



- Program Elements**
1. Temporary Concessions with Food Trucks
 2. Picnic Table Seating for Concessions
 3. Standing Space (handicap accessible) / Stage
 4. Amphitheater
 5. Bioretention

Goals and Community Engagement

- Space for concerts, outdoor shows, community gathering
- Attract new people to the park
- History of music associated with the park

ESD Calculations

Existing Conditions
 $I = 0\%$ $P_e = 1.0"$
 $R_v = 0.05$ $A = 75345 \text{ ft}^2$
 $ESD_v = 313.94 \text{ ft}^3$

Designed Conditions
 $I = 52.72\%$ $P_e = 2.0"$
 $R_v = 0.055$ $A = 75345 \text{ ft}^2$
 $ESD_v = 687.46 \text{ ft}^3$

Perspective 2: Theater View



Perspective 1: Walk to Concessions





WILMER'S EUPHONY PARK:

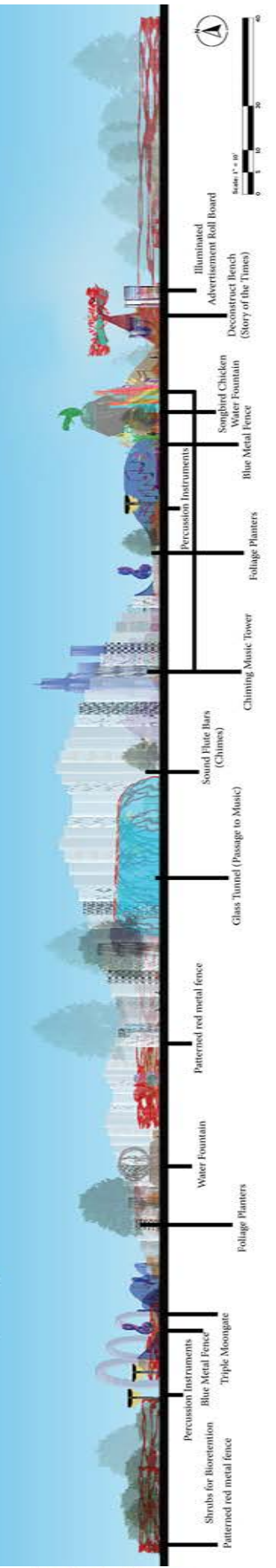
ÇAKIL, YASEMIN, LARC 340
 Dr. Byoung-Suk Kweon

Euphony Park Sound Spectrum Museum

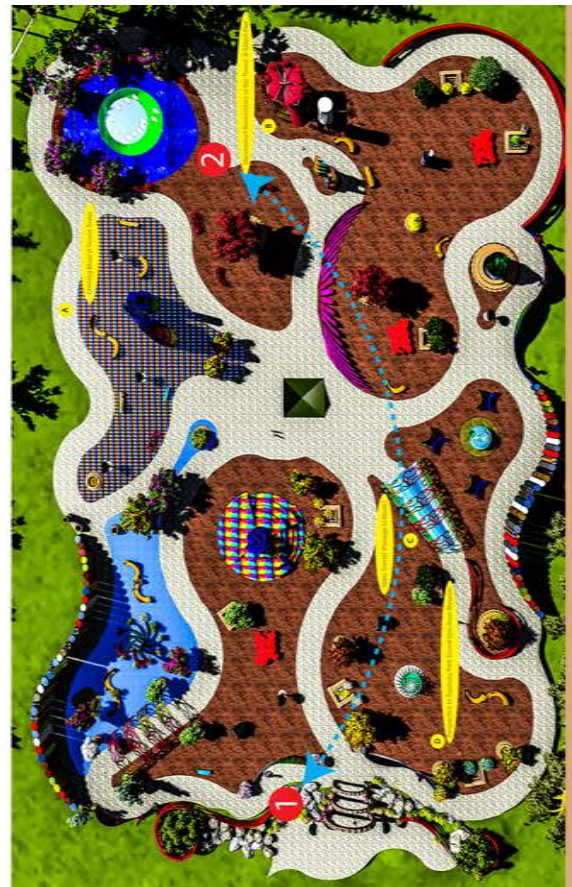
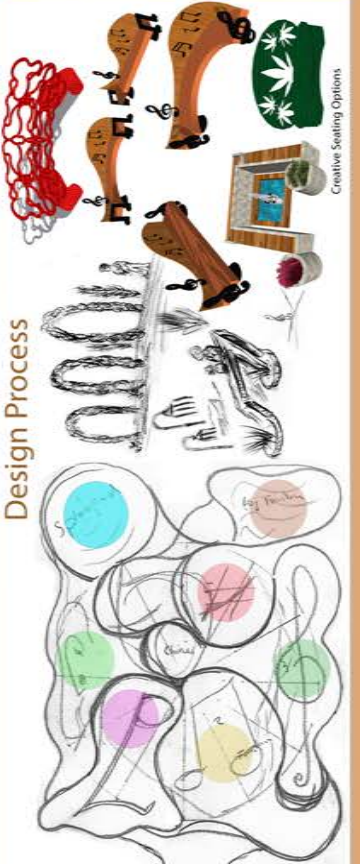


Entrance to Euphony Music Park Museum

Section Cut of Euphony Music Park Museum



ESD Calculations:
 $(P) = (R)(V)(A)$
 $T2 = 12$
 $R2 = 10,320 \text{ ft}$
 $(P) = 2.9$
 $(R) = (0.05 + 0.009)(100)$
 $(A) = 60,000 \text{ ft}^2$
 Stormwater captured: 56%



D. Perspective to Euphony Park Sound Spectrum Museum