

North
Houston
District

2023 PARKS MASTER PLAN

SPRING 2023

CLIENT

North Houston District



North Houston District

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Greens Bayou Coalition

Harris County Precinct 1

Harris County Precinct 2

Harris County Flood Control District

Houston Parks Board

YMCA

Independent

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EXECUTIVE SUMMARY

Parks and trails are essential for healthy, thriving communities, and improve the quality of life for residents. Seeking opportunities to expand its park system, the North Houston District worked with community members and key stakeholders to develop a long-term vision and a near-term plan for priority investments in parks, trails and pedestrian access projects.

PARKS & TRAILS TODAY

The North Houston District parks system serves a growing population of over 50,000 residents. The system features a network of approximately eight (8) parks and eight (8) miles of trails.

WHY NOW?

The District and surrounding area have undergone several changes since the last Parks Master Plan in 2008, including:

- The Bayou Greenways 2020 initiative along Greens Bayou; and need to connect the District to the larger system of trails
- The Harris County Flood Control District's (HCFCD) development of numerous detention basins, creating opportunities for expanded park space within such detention ponds

THE PLAN

The 2023 North Houston Parks Master Plan takes stock of existing parkland, partnerships, and community needs to create a cohesive network of parks, open spaces, and trails in the years to come. The

2023 Parks Master Plan aimed to:

- Create an updated inventory of existing parkland and open space
- Develop a clear set of goals with recommendations that connect, activate, enhance, and unify the system
- Unite a network of strategic partnerships to support improvements

This report is the culmination of a nine-month planning effort. The sections in the following pages include:

Existing Conditions Analysis

Providing an overview of the District's community profile and characteristics, this analysis created an understanding of the District at three scales and revealed an overall deficit in park acreage per 1,000 residents.

Engagement

A combination of public and stakeholder engagement, this process revealed community preferences and leveraged stakeholder expertise to guide master plan recommendations and designs.

Vision and Recommendations

Outlining goals and identifying key approaches recommending connectivity enhancements, activation of new spaces, enhancement of existing spaces, and overall unification of District quadrants.

Implementation

Suggesting a three-pronged approach at the District-wide, Bayou-scale, and park level scales outlining partnership and funding opportunities.

MASTER PLAN PROCESS

The nine month planning process was developed following four main tasks; Understand, Engage, Envision and Act.

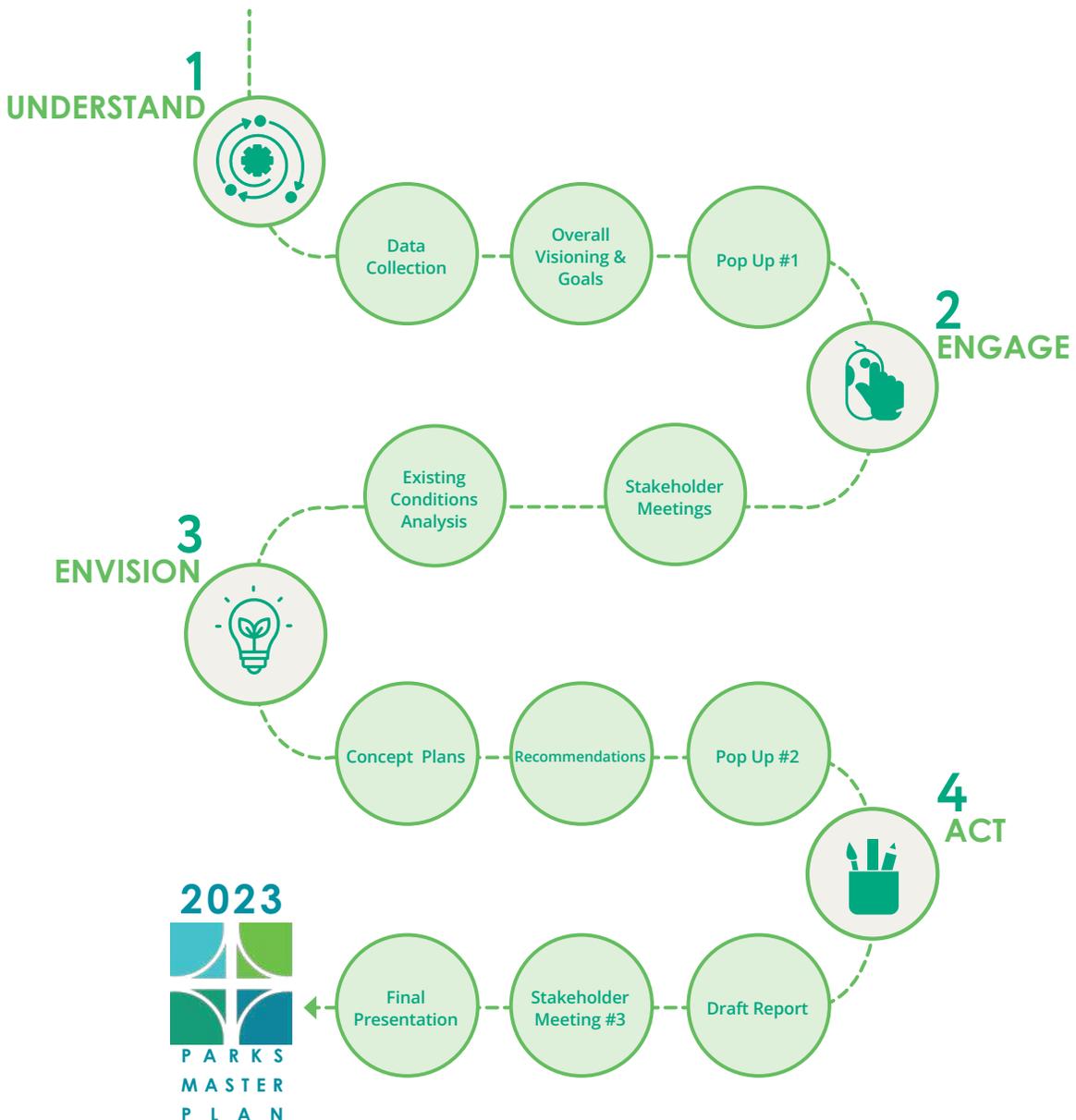
During the **Understand** phase of the project, data was collected to develop an existing conditions analysis, in which parks and open space gaps and opportunities were identified.

The **Engage** phase consisted in key stakeholder work sessions to gather feedback from District, neighborhood, and agency leaders. In addition, two public pop up events were performed to gather

feedback related to Wussow Park from community members. This process was performed at different stages of the project.

The **Envision** phase goal was to develop strategies and recommendations at the District-wide, Bayou scale, and park level.

Lastly, the **Act** phase compiled findings from previous phases of the project to develop the final Plan for presentation to North Houston District's Board of Directors.



ENGAGEMENT SUMMARY

The North Houston District Parks Master Plan engagement sought to capture a combination of public and stakeholder feedback, enabling the consideration of community voices alongside the opinion of key stakeholders. Key stakeholders were brought together by North Houston District, each representing partner agencies such as Harris County Flood Control District, Houston Parks Board, and Harris County Precincts 1 and 2, among others.

General public engagement was focused on gathering feedback from the community in regards to Wussow Park's existing conditions, uses, challenges and needs.

The feedback acquired from both stakeholder sessions and public pop-up events assisted in developing and prioritizing recommendations at different scales in the District. The highlights of the engagement findings are shown below.

2 POP-UP ENGAGEMENT EVENTS

KEY TAKEAWAYS

 **3 out of 4** park elements received 3 or fewer star ratings


 **Over half** of respondents use the park for active leisure

 **Basketball** represented users' top programmatic request

FREQUENT TOPICS

SPORTS

PLAY

CONDITIONS

3 STAKEHOLDER MEETINGS

KEY TAKEAWAYS

 **16 potential partners** and **19 initiatives** identified

 **Easements** highlighted as possible priority for connectivity

 Wussow Concept 3a selected as **preferred concept**

FREQUENT TOPICS

PARTNERSHIPS

CONNECTIVITY

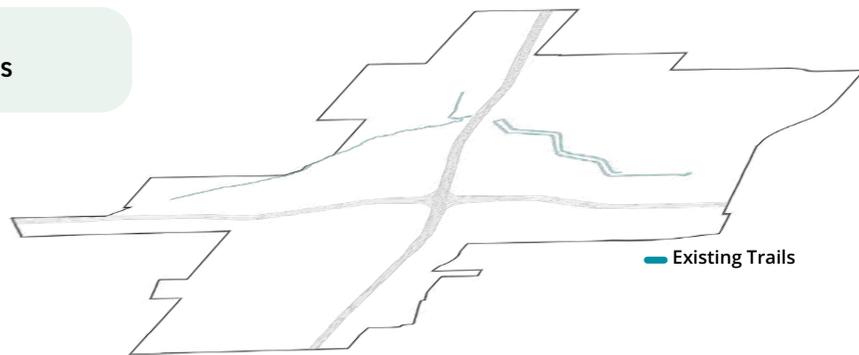
ENHANCEMENT

EXISTING CONDITIONS ANALYSIS SUMMARY

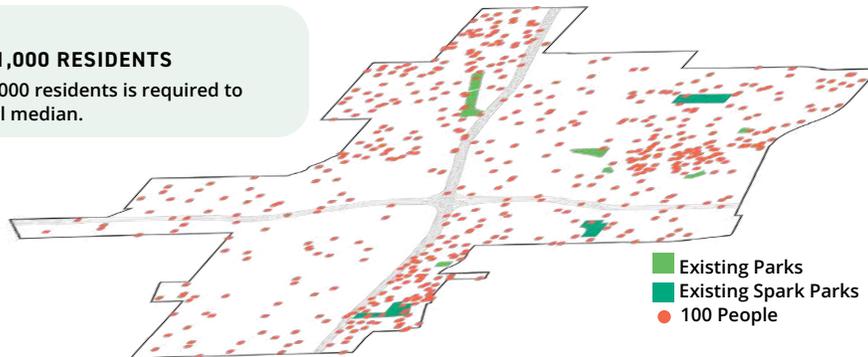
The Understand Phase of the project consisted in analyzing the state of the park and trail system in North Houston District in conjunction with current and planned projects in the area. Existing and future plans such as the Houston Bike Plan and the North Houston/Greenspoint Livable Center Study were studied to understand the relationship between those ongoing efforts and to identify opportunities for the 2023

Parks and Trails Master Plan. In addition, the area's demographic, land use, and ecology were studied using GIS data. Our team also visited all of the parks in the District to better understand the inventory and condition of existing amenities, and identify potential opportunities within the parks system. See below for some key findings from this effort.

8.1 MILES OF TRAILS



5.05 PARK ACRES / 1,000 RESIDENTS
5.5 park acres / 1000 residents is required to meet the national median.



49.3 MILES OF PLANNED BIKE LANES
METRO Boost improvements along METRO 56 Bus Line and the proposed Bus-Rapid Transit (BRT) Corridor



GOALS & GUIDING PRINCIPLES

The parks master planning effort is guided by four goals: Connect, Activate, Enhance, and Unify. The goals were identified by analyzing the existing conditions, conversations with the North Houston District, and

with other stakeholders. Within each goal, guiding principles are envisioned at three scales: District-wide efforts, Bayou-scale, and park level.



Strengthen the connections between parks, open spaces, and the community.



Strengthen the features of existing parks and trails to meet the District's visions for a unified park system.



Envision solutions to activate publicly owned, under utilized green spaces that currently exist within the District.



Leverage partnerships to identify and address common priorities for the District and standardize District park amenities and branding.

DISTRICT-WIDE RECOMMENDATIONS

District-wide recommendations center around leveraging opportunities to enhance connectivity, activate existing parks, and create new parks and open space by focusing on the goals to **Connect** and **Activate**. These recommendations were informed

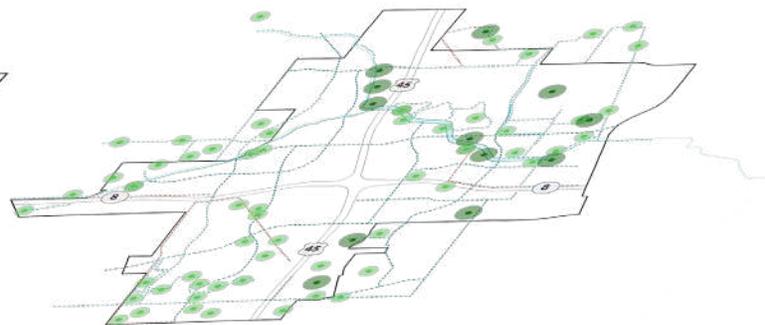
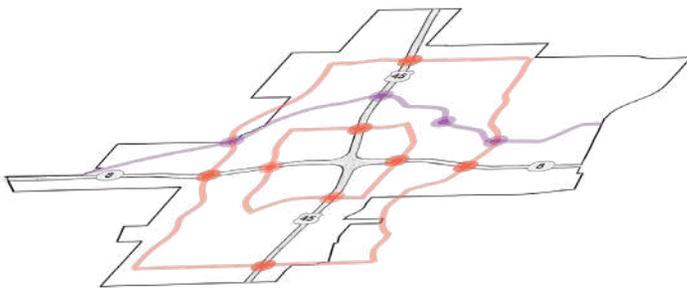
by both existing conditions analyses, as well as identification of and collaboration with partners in and around the District. The diagrams below highlight some of the primary takeaways.



Complete a network of inner and outer loop trails, paths, and bike lanes, connecting the District's recreational opportunities.



Identify gaps in available park acreage and improve access to parks for residents and visitors.



BAYOU SCALE RECOMMENDATIONS

BAYOU GREENWAY OVERVIEW

Snaking west to east, the Greens Bayou was seen as the District's spine, a valuable asset from which new and existing parks and open space could tie the recreational experience together. The map below illustrates the master plan's segmented approaches to understanding and developing Bayou recommendations. The overall Bayou recommendations focused on three components guided by the goals to **Enhance** and **Unify**:

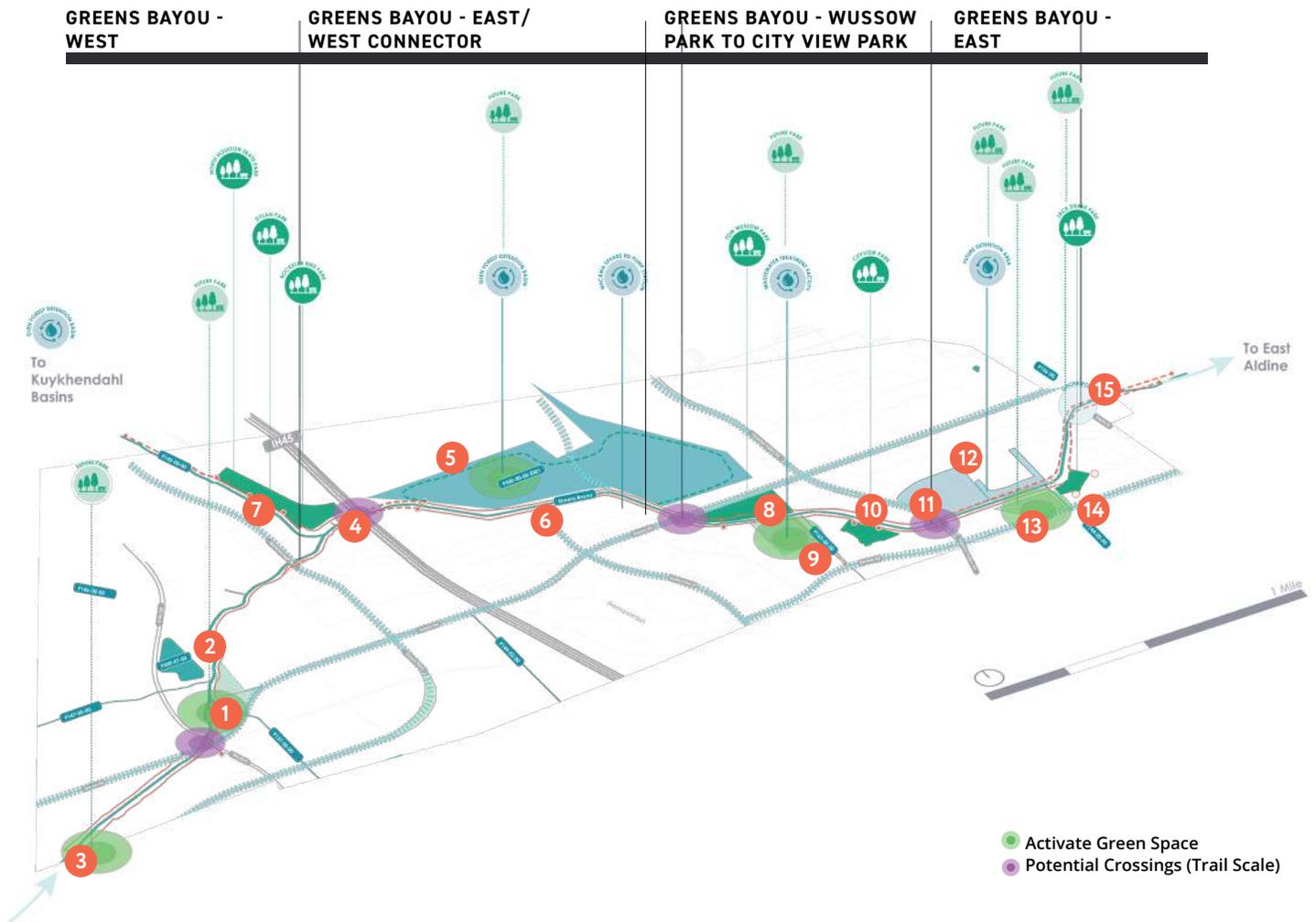
1. Bayou Recreation
2. Bayou Stories
3. Greenway Amenities

ENHANCE

Bring new life to existing parks and open spaces, leading to an improvement of the District's overall offerings and upgrading the user experience.

UNIFY

Establish a cohesive network of parks and trails, unlocking connections within and between District quadrants emanating from the unifying spine, Greens Bayou.



GENERAL RECOMMENDATIONS

Develop hike and bike trails along both sides of Greens Bayou to maximize connectivity and access

Develop an unifying theme of signage, wayfinding and furnishing elements along Bayou

Greens Bayou - West Recommendations

- 1 Develop the District's property near Greens Rd. and Ella Blvd.
- 2 Create a central nature corridor and tree canopy
- 3 Develop District markers at western terminus

Greens Bayou - East/West Connector Recommendations

- 4 IH-45 East/West trail connection
- 5 Glen Forest Detention Basin activation
- 6 Greenspoint Dr. neighborhood access
- 7 Future regional connections

Greens Bayou - Wussow Park to City View Park Recommendations

- 8 Active recreation at Wussow Park and Wastewater Treatment Plant Expansion
- 9 Develop easement trail to Benmar Green Finger
- 10 Update City View Park to build on Bayou story-telling and supporting the water narrative
- 11 Build off placemaking and art activation at Imperial Valley Dr.

Greens Bayou - East Recommendations

- 12 Continue to advance the future Central Park concept as a storm water amenity
- 13 Develop a Jack Drake Natural Recreation Center at the detention facility
- 14 Utilize the trail easement to connect to Beltway 8
- 15 Complete trails system and create a regional trail connection to East Aldine

THOMAS R. WUSSOW PARK RECOMMENDATIONS

Wussow Park Overview

Following the Plan's overall guiding principles and goals, the Wussow Park concept design addresses various park components to improve the user experience and elevate the park into a flagship recreational space within the District. Informed by existing conditions analysis and feedback from both stakeholders and park users, the concept design provides new facilities and possibilities for programming that will allow an expansion and formalization of existing park uses, such as the YMCA and informal soccer, as well as bringing in new users for the outdoor gym and other new activities.

Wussow Park Annex

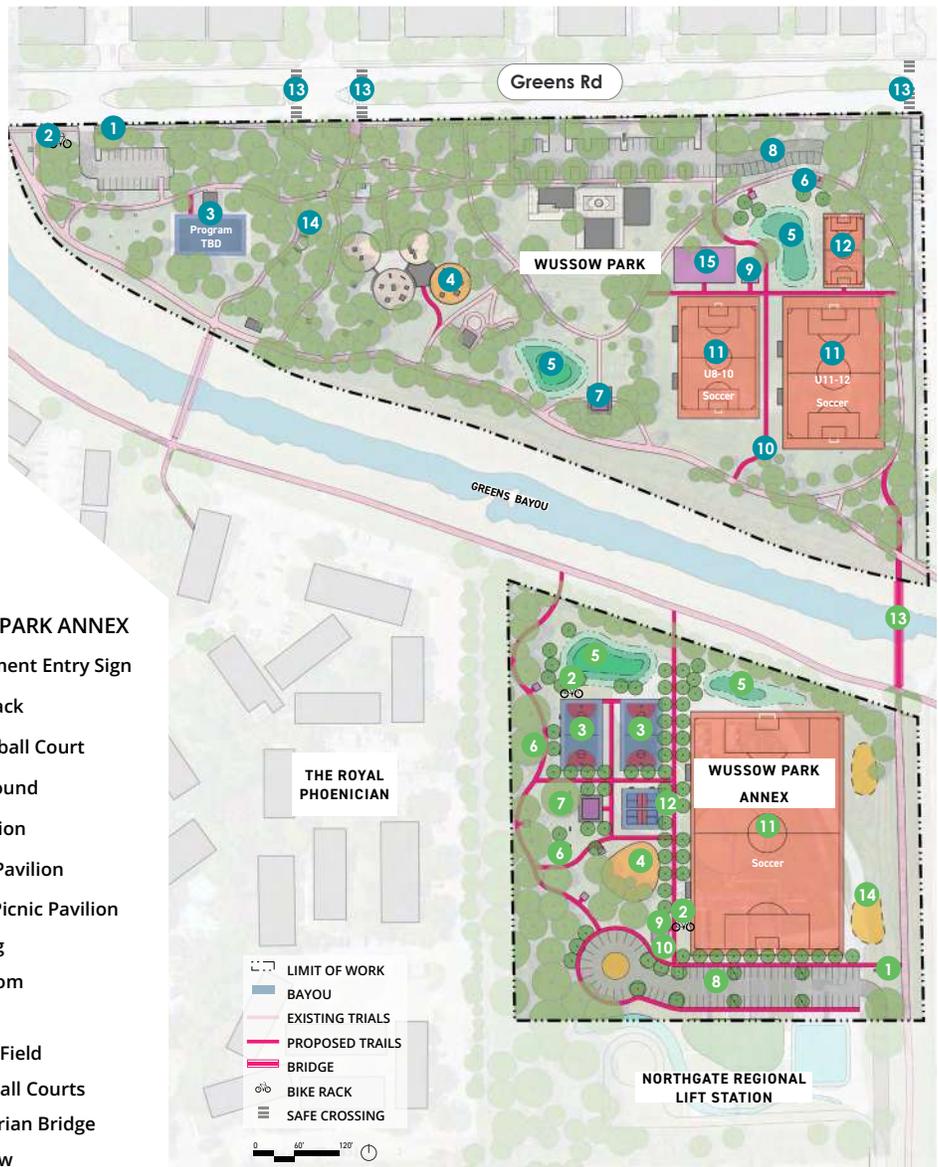
Located south of Greens Bayou from the original Wussow Park, the Wussow Park Annex replaces the soon-to-be decommissioned waste water treatment plant, converted into a smaller lift station by the City of Houston. This new space was envisioned as a host for new sports programming, featuring multigenerational spaces that are more accessible to residents south of the Bayou, as well as a new pedestrian connection across the Bayou.

ENHANCE

CONNECT

ACTIVATE

UNIFY



PROGRAM

WUSSOW PARK

- 1 Entry Sign
- 2 Bike Rack
- 3 Use TBD
- 4 Playground Expansion
- 5 Detention
- 6 Picnic Pavilion
- 7 Large Picnic Pavilion
- 8 Parking Expansion
- 9 Restroom
- 10 Improved Trails
- 11 Soccer Field
- 12 Mini Soccer Court
- 13 Outdoor Gym

WUSSOW PARK ANNEX

- 1 Monument Entry Sign
- 2 Bike Rack
- 3 Basketball Court
- 4 Playground
- 5 Detention
- 6 Picnic Pavilion
- 7 Large Picnic Pavilion
- 8 Parking
- 9 Restroom
- 10 Trails
- 11 Soccer Field
- 12 Pickleball Courts
- 13 Pedestrian Bridge
- 14 Meadow

IMPLEMENTATION AND FUNDING SUMMARY

The implementation of the North Houston District Parks Master Plan is a collaborative effort between different partner organizations. Partnerships will be crucial for the successful execution of strategies and recommendations listed in this Plan.

Chapter 4 explores partnership opportunities identifying assets and abilities, grants, financing options, and the prioritization of fund utilization for the proposed recommendations throughout the four quadrants.

The prioritization of projects between short, middle, and long term were determined based on project demand, feasibility, and frequency of project recommendation in past planning studies and documents.

1

EXISTING CONDITIONS

1963
H-45
Constructed

1969
IAH Begins
Operations

1976
Greenspoint
Mall
construction
finishes

1978
Friendswood
Development
Company
purchases
land for the
future district.

1991
North
Houston
District
established

2003
Tom Wussow
Park and
City View
Park Open

2008
First Parks
Master Plan
completed
for the
District.

2011
Ida Gaye
Park opens

2014
North
Houston
Skate Park
opens

This is Greenspoint Mall

Greater Greenspoint

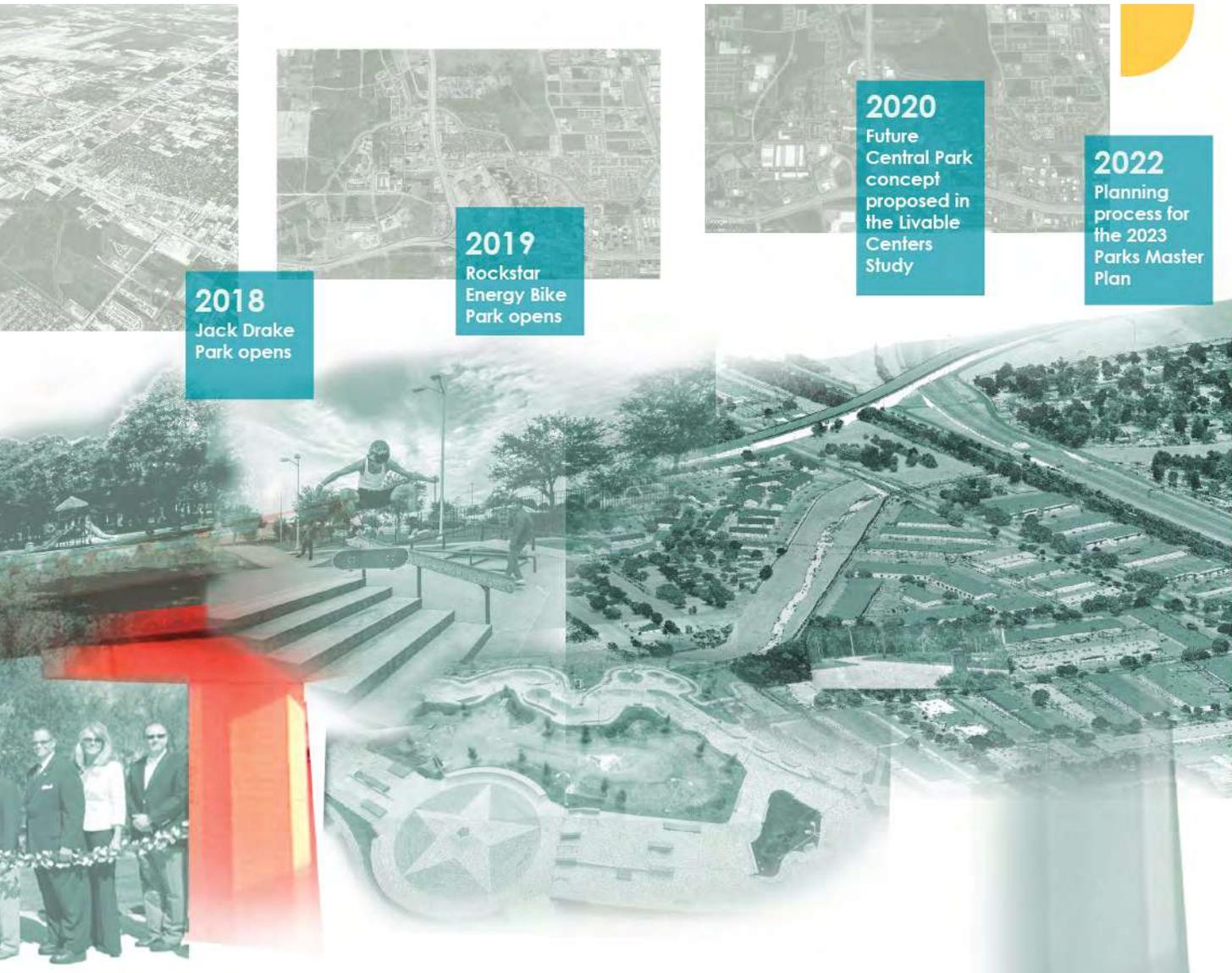
IDA GAYE GARDENS

DISTRICT OVERVIEW

To understand the parks and recreation system of North Houston District, we analyzed existing and future plans, as well as the context of the area's demographic, land use, and ecology using GIS data. Our team also visited all of the parks in the district to better understand the inventory and condition of existing amenities, and identified potential opportunities within the parks system.

As the population has grown, with 51,326 residents who call North Houston District their home, so too has the District's inventory of parks and open spaces.

Today, there are a total of eight parks and the Greens Bayou trail network that provide much needed green space for recreation, access to nature, and stormwater detention in a highly developed area. This section includes a review of the Community Profile, District-wide Ecology, Greens Bayou Greenway, a review of previous plans and studies, a system-wide Parks inventory, and an analysis of Thomas R. Wussow Park. The District has constantly evolved to understand and build on its assets through studies and plans to support their growth.



2018
Jack Drake
Park opens

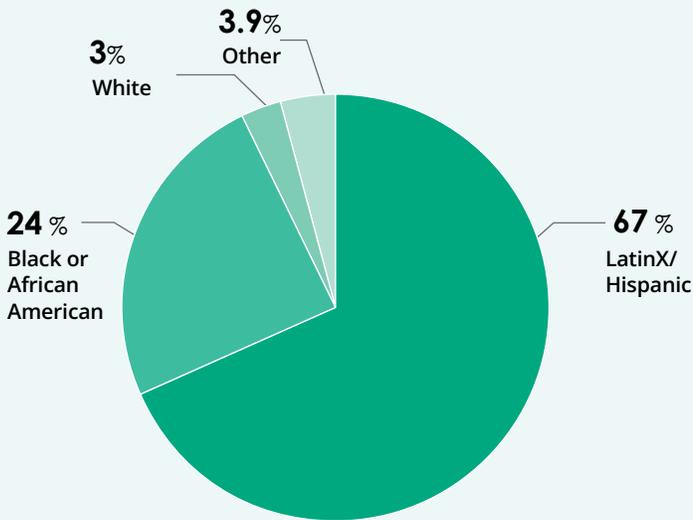
2019
Rockstar
Energy Bike
Park opens

2020
Future
Central Park
concept
proposed in
the Livable
Centers
Study

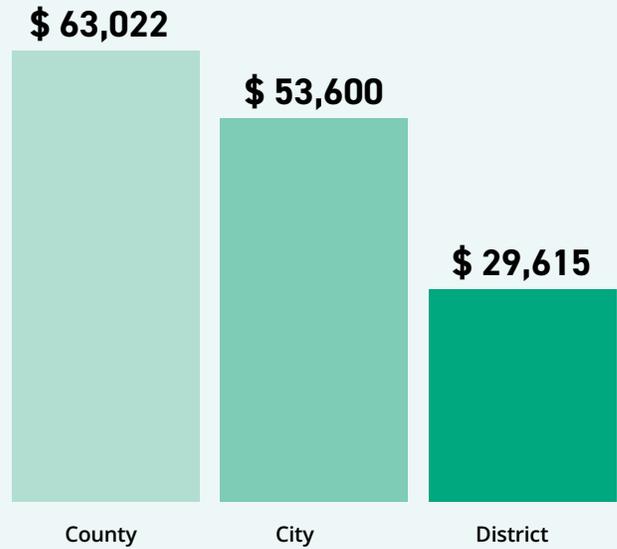
2022
Planning
process for
the 2023
Parks Master
Plan

DISTRICT WIDE COMMUNITY PROFILE

RACE AND DEMOGRAPHICS



MEDIAN HOUSEHOLD INCOME



HOUSING

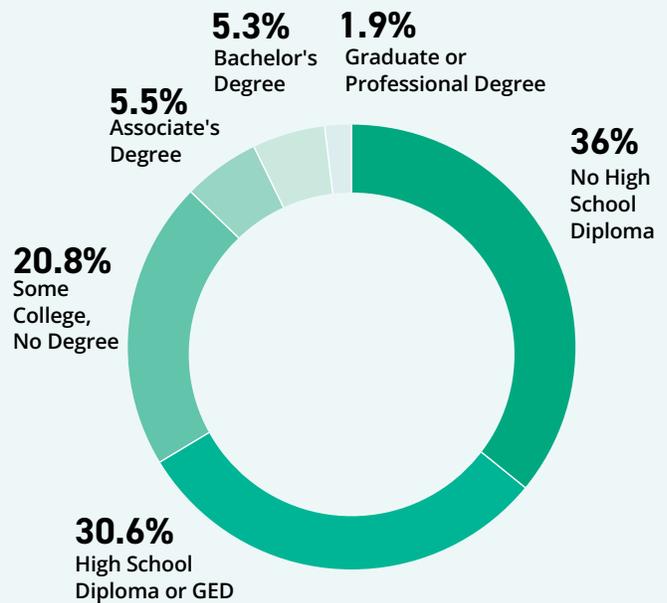


93 %
multi-family homes



7 %
single-family homes

EDUCATION



Source: 2020 US Census

COMMUNITY PROFILES

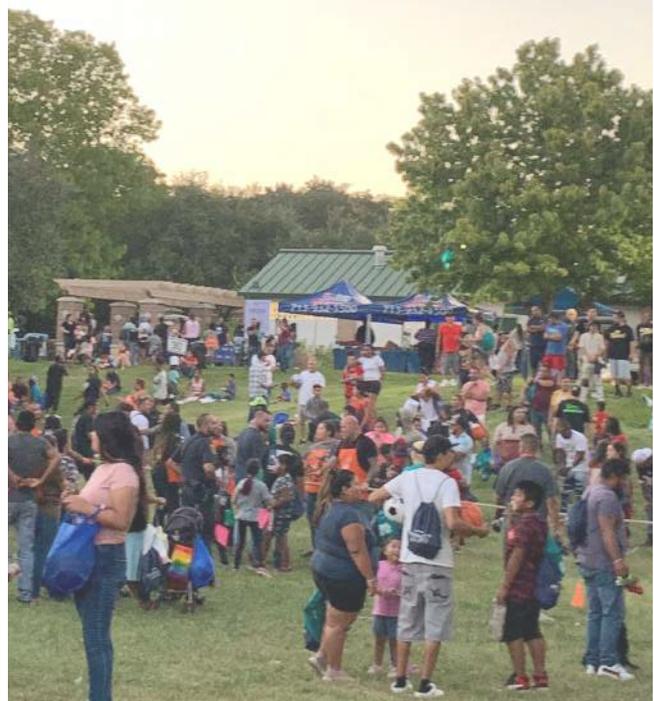
The North Houston District is a 12- square mile management district within the City of Houston and its extraterritorial jurisdiction, located at the intersection of Interstate 45 North and the North Sam Houston Parkway.

Within its boundaries the District is robust in community assets and land use, and comprises a mixed group of residents.

The District also retains a strong presence beyond its boundary, with its proximity to George Bush International Airport and the Port of Houston, and connectivity to the Greater Houston area, all which are key to attracting diverse residents and businesses to the District.

The North Houston District has a majority-minority population, with 67% of the population being represented by the LatinX/Hispanic community, followed by 24% of the population being Black or African American and 3% Non-Hispanic White. In addition to this, there is a small representation of Asian and Pacific Islander, as well as Indigenous people who also live in the District.

Overall, the highest concentration of land uses in the District are commercial (29 %), industrial (17%), and residential, which includes both single-family and multi-family developments (13 %). The District currently has a median household income of \$29,615, that is lower than the median household income at the city and county level. There are a total of 15,429 residential units with 14,349 dwelling units (including condominiums) located within multi-family developments and 1,080 single-family homes. With a higher concentration of apartment and condominium units in the area, there is value to having access to safe, quality outdoor space. Existing opportunities to create and provide safe access to open, green spaces across the District are critical, but especially in areas where there is dense multi-family development.



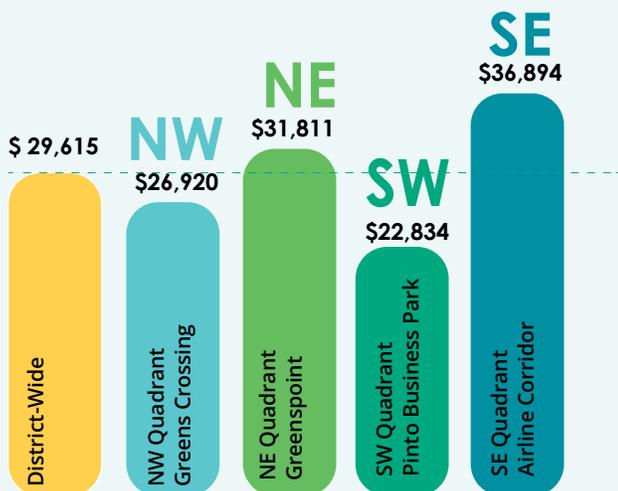
Schools located in North Houston District are primarily served by Aldine Independent School District (ISD), and also by Spring ISD at its northern boundary. Majority of the schools in the District are located south of Greens Bayou, and close to the industries that are supported by the District. The existing network of schools and educational institutions present opportunities to establish partnerships targeting youth development.

The North Houston District is connected by roads, transit, and trails. Key roads that distinguish the District are Interstate Highway 45 (IH-45), running north to south, and the northern rim of Sam Houston Parkway (Beltway 8) which runs east to west through the District. Other major roadways that connect North Houston District include Greens Road, Greenspoint Drive, Imperial Valley Drive, and Aldine Bender Road. There are 11 METRO bus routes, as well as 8.1 miles of existing bike lanes primarily along Greens Bayou that also connect people within the District.

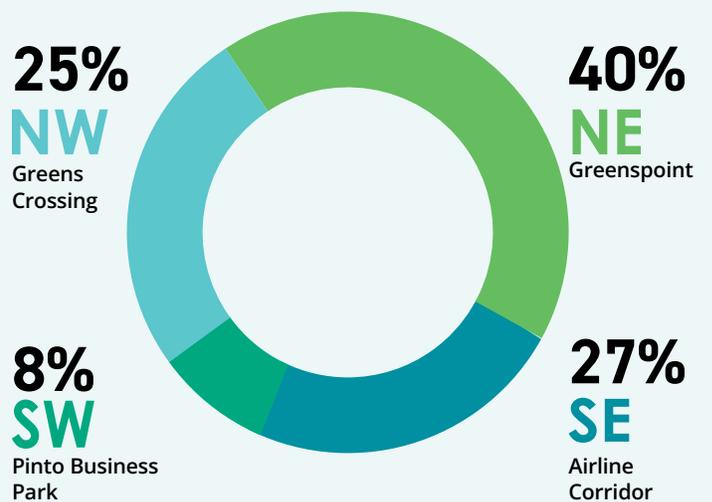
DISTRICT QUADRANTS



MEDIAN HOUSEHOLD INCOME



POPULATION SIZE



Source: 2020 U.S. Census

DISTRICT QUADRANTS

NW

GREENS CROSSING

The northwest quadrant of the District is Greens Crossing. This quadrant has a total population of 13,211, which accounts for 25% of the District's total population.

This quadrant has a total of 5,214 residential units, consisting of single-family homes and 4,963 units in multi-family developments.

Some key community assets and places in this area include 3 Aldine ISD schools, Houston Fire Department Station 84, and Houston Police Department North Belt Division.

SW

PINTO BUSINESS PARK

The southwest quadrant of the District is dominated by Pinto Business Park. This quadrant is the least populated quadrant with a total population of 4,534, which comprises about 8% of the district.

This quadrant has a total of 1,117 total residential units, with 132 single-family homes and 985 units within its multi-family developments.

Pinto Business Park is a key business institution in the North Houston District. The 971-acre business park primarily markets itself towards light manufacturing, warehousing, and supply chain distribution in the area.

NE

GREENSPOINT

The northeast quadrant of the District is referred to as Greenspoint. This is the most populated quadrant in the District, making up 40% of the total population with 21,764 residents.

This quadrant has a total of 7,385 residential units, breaking down to 681 single-family homes and multi-family developments consisting of 6,704 units.

Some key community assets and places in this area are the Aldine-Greenspoint Family YMCA, Greenspoint Mall, 1 Aldine ISD School, and 1 Spring ISD School.

SE

AIRLINE CORRIDOR

In the southeast quadrant is Airline Corridor. This section of the District has a total population of 11,817 or about 27% of the district.

This quadrant has a total of 1,713 residential units, consisting of 16 single-family homes and multi-family developments consisting 1,697 units.

Some key community assets and places in this area are Aldine Branch Library, Houston Fire Station 74, and 7 Aldine ISD schools.



DISTRICT-WIDE COMMUNITY PROFILE

GREENS CROSSING

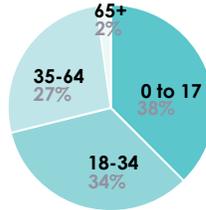


DEMOGRAPHICS

PERCENT OF TOTAL DISTRICT POPULATION



AGE SEGMENTS BY QUADRANT

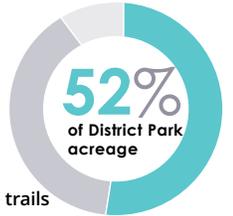


PARKS + OPEN SPACE

PARKS / OPEN SPACE

4 parks

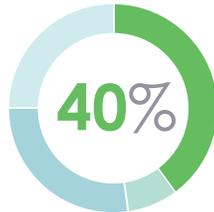
4.18 miles of existing hike and bike trails along Greens Bayou.



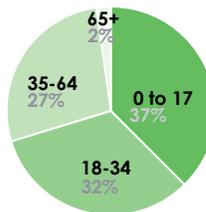
GREENSPPOINT



PERCENT OF TOTAL DISTRICT POPULATION



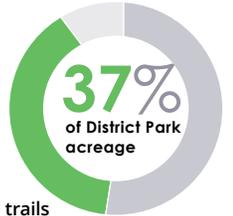
AGE SEGMENTS BY QUADRANT



PARKS / OPEN SPACE

6 parks

4.18 miles of existing hike and bike trails along Greens Bayou.



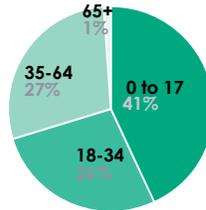
PINTO BUSINESS PARK



PERCENT OF TOTAL DISTRICT POPULATION



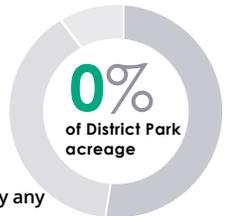
AGE SEGMENTS BY QUADRANT



PARKS / OPEN SPACE

0 parks

0 miles Currently not serviced by any bike trails.



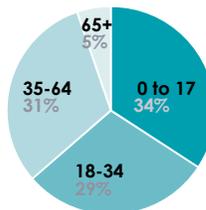
AIRLINE CORRIDOR



PERCENT OF TOTAL DISTRICT POPULATION



AGE SEGMENTS BY QUADRANT



PARKS / OPEN SPACE

3 parks

0 miles Currently not serviced by any bike trails.



source: 2020 U.S. Census

source: 2020 U.S. Census

COMMUNITY ASSETS

CONNECTIVITY

RESIDENTIAL	CIVIC/INSTITUTIONAL	CULTURAL/SPIRITUAL	METRO BUS ROUTE	BIKEWAYS
 33% Percent of Housing Units in Quadrant	 Houston Police Department - Greenspoint Houston Fire Department - #84 Davis High School Plummer Middle School Spence Elementary School	 Green House International Church	 6 202 399 85 209 99 283	 3.57 MILES Existing 7.6 MILES Proposed
 40% Percent of Housing Units in Quadrant	 Aldine-Greenspoint Family YMCA Griggs EC/PK/K School Greenspoint Elementary School Houston Food Bank	 Harvest Time Church	 6 86 85 99 102 399	 3.91 MILES Existing 6.7 MILES Proposed
 8.5% Percent of Housing Units in Quadrant	 Blanson CTE High School Thomas Gray Elementary School Stehlik Elementary School	 (None listed)	 59	 0 MILES Existing 0.3 MILES Proposed
 18.5% Percent of Housing Units in Quadrant	 Aldine Branch Library Aldine High School Stovall Middle School Bussey Elementary School Lone Star College-Houston North Greenspoint Marcella Elementary School	 (None listed)	 56 102 59 99	 0 MILES Existing 3.5 MILES Proposed

source: 2020 U.S. Census

source: City of Houston

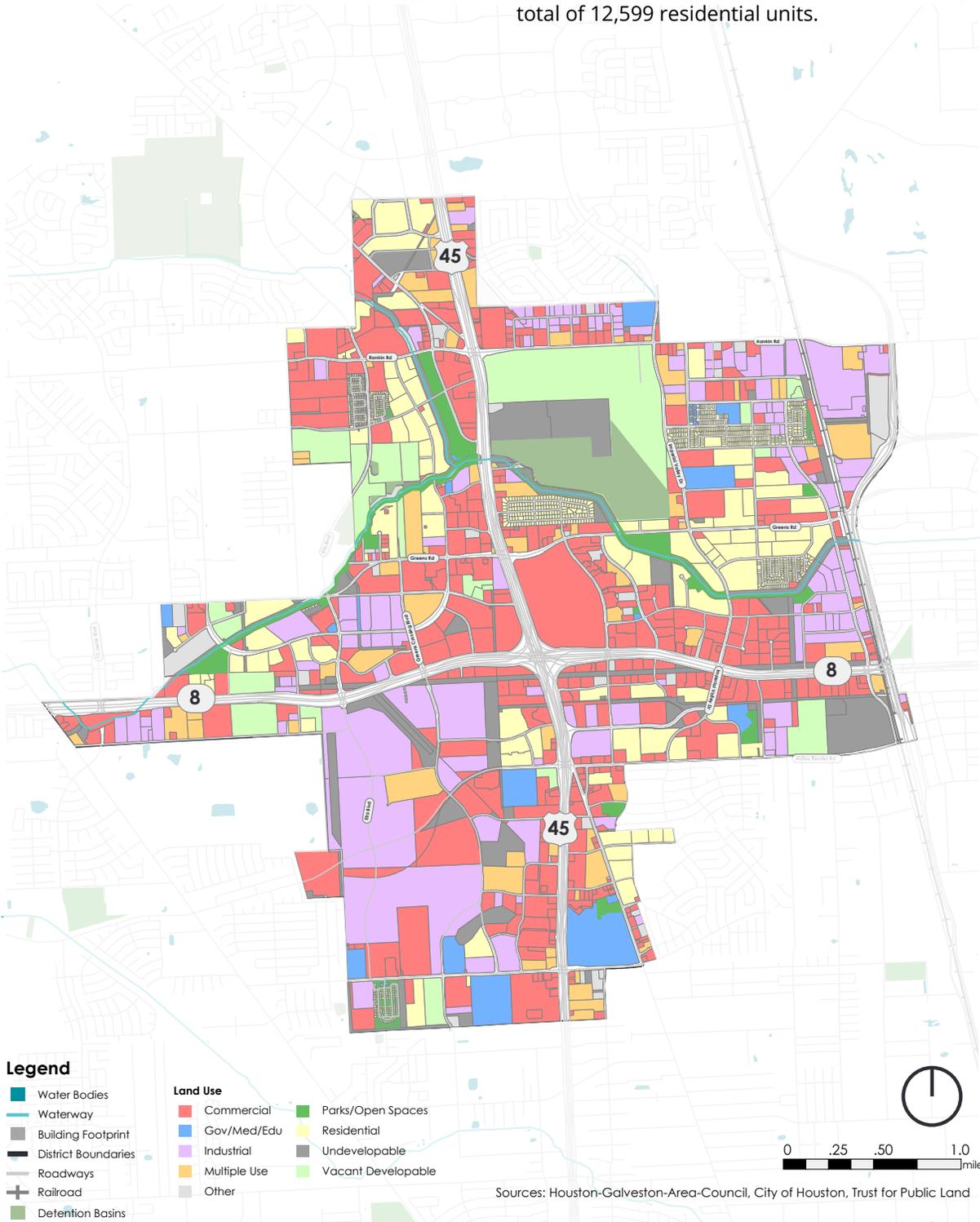
source: City of Houston

LAND USE

Commercial and industrial parcels make up the majority of the District. The commercial parcels are concentrated along the Beltway 8 and IH-45 corridors. The industrial parcels are located in the southwestern and northeastern borders. Green space including

parks, detention ponds, and open space are located along the Greens Bayou corridor.

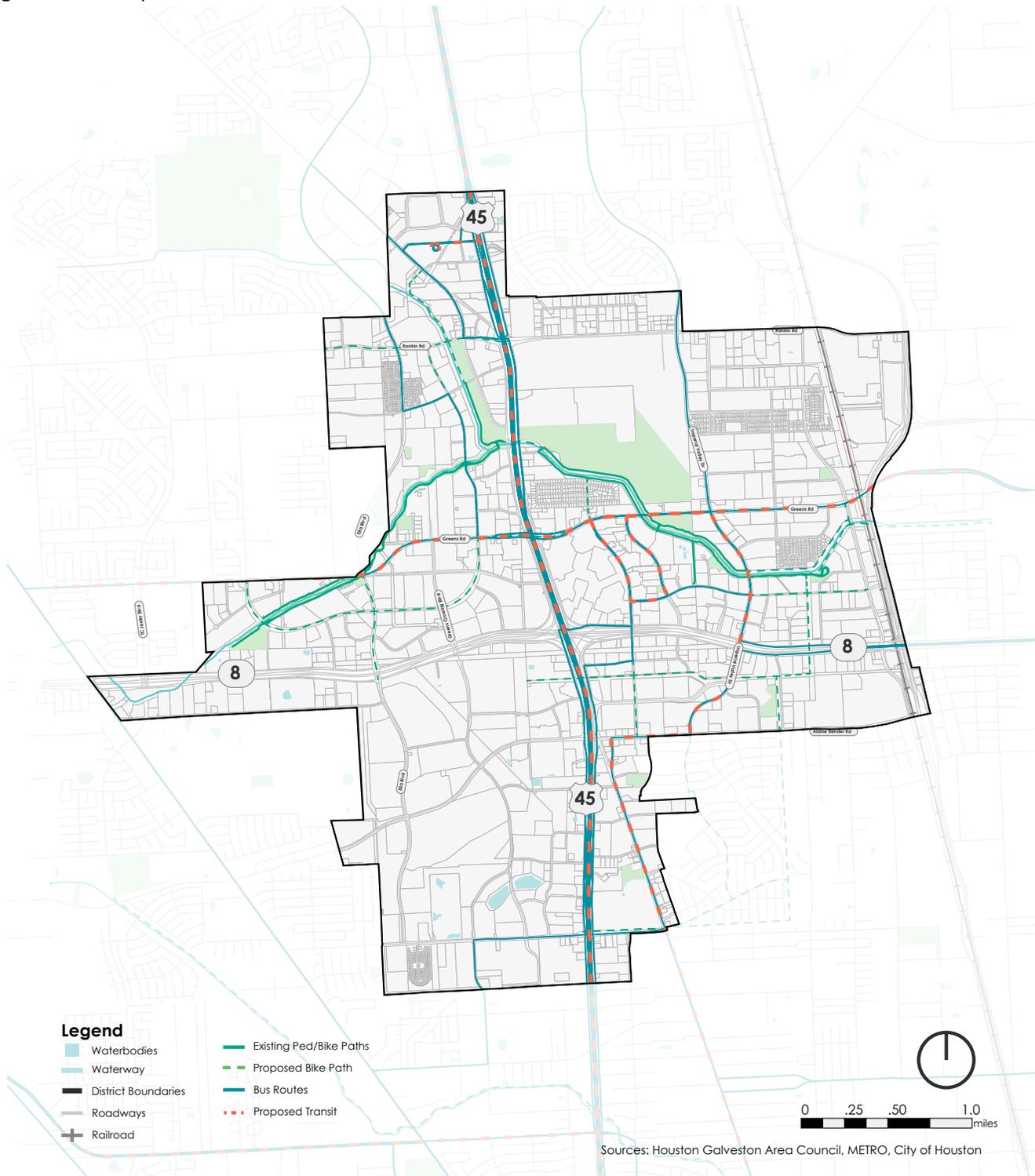
A majority of the residential areas are in the northern quadrants of Greenspoint and Greens Crossing with a total of 12,599 residential units.



CONNECTIVITY

The North Houston District is serviced by bus routes that connect the District to other areas of Houston. The bus stops are located at key access points to the Bayou's walking and biking trails. Future connectivity growth is anticipated with the addition of a total of

49.3 miles of proposed bike lanes, METRO Boost improvements along METRO 56 bus line, and the proposed Bus-Rapid Transit (BRT) corridor on Greens Road.

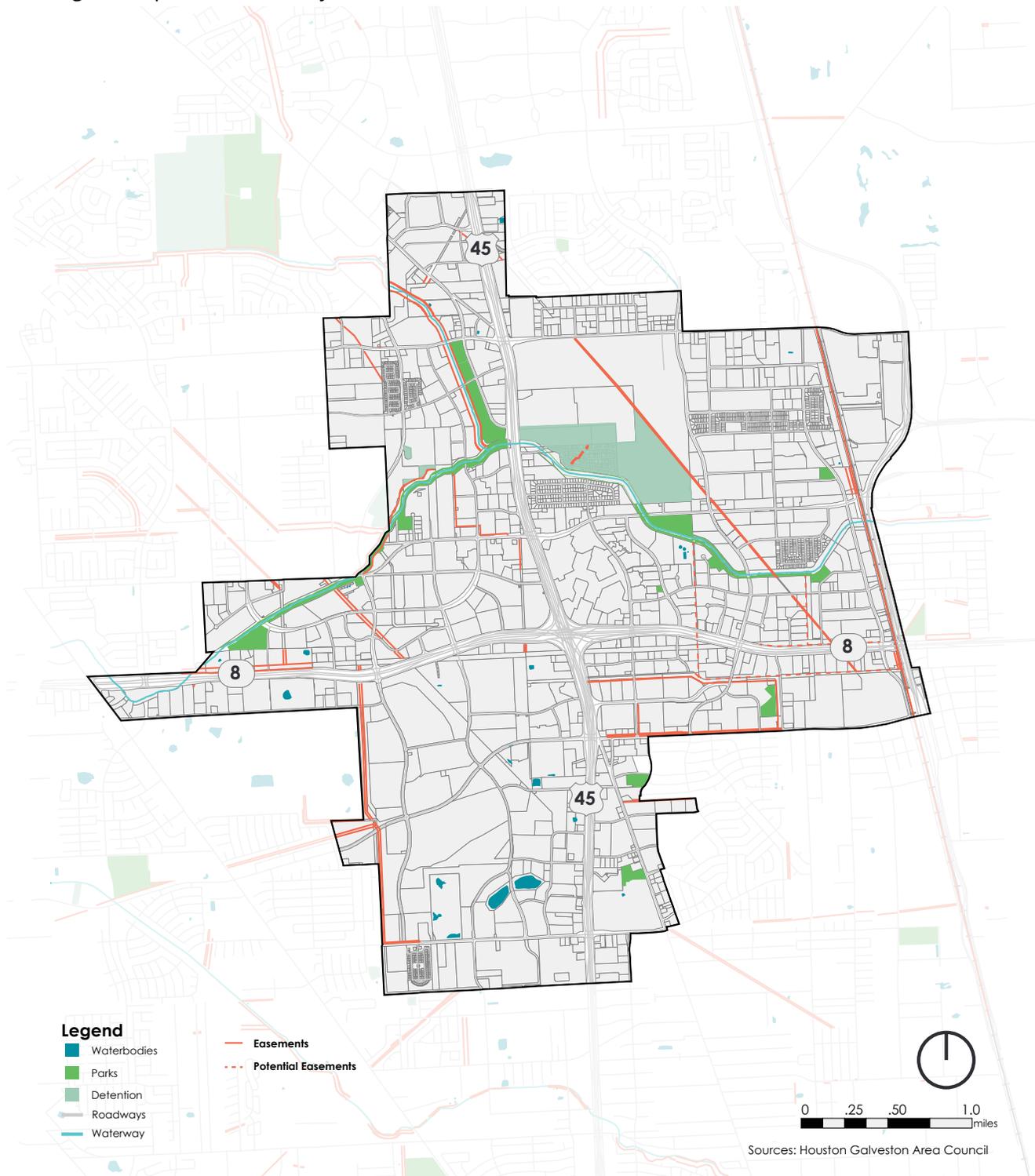


Sources: Houston Galveston Area Council, METRO, City of Houston

EASEMENTS

Existing and potential easements were mapped throughout the District. Primary utility easements are located along the southwestern border, E/W along Esplanade Blvd, N/S along W Hardy Rd, and one bisecting Greenspoint from Beltway 8 to Rankin Rd.

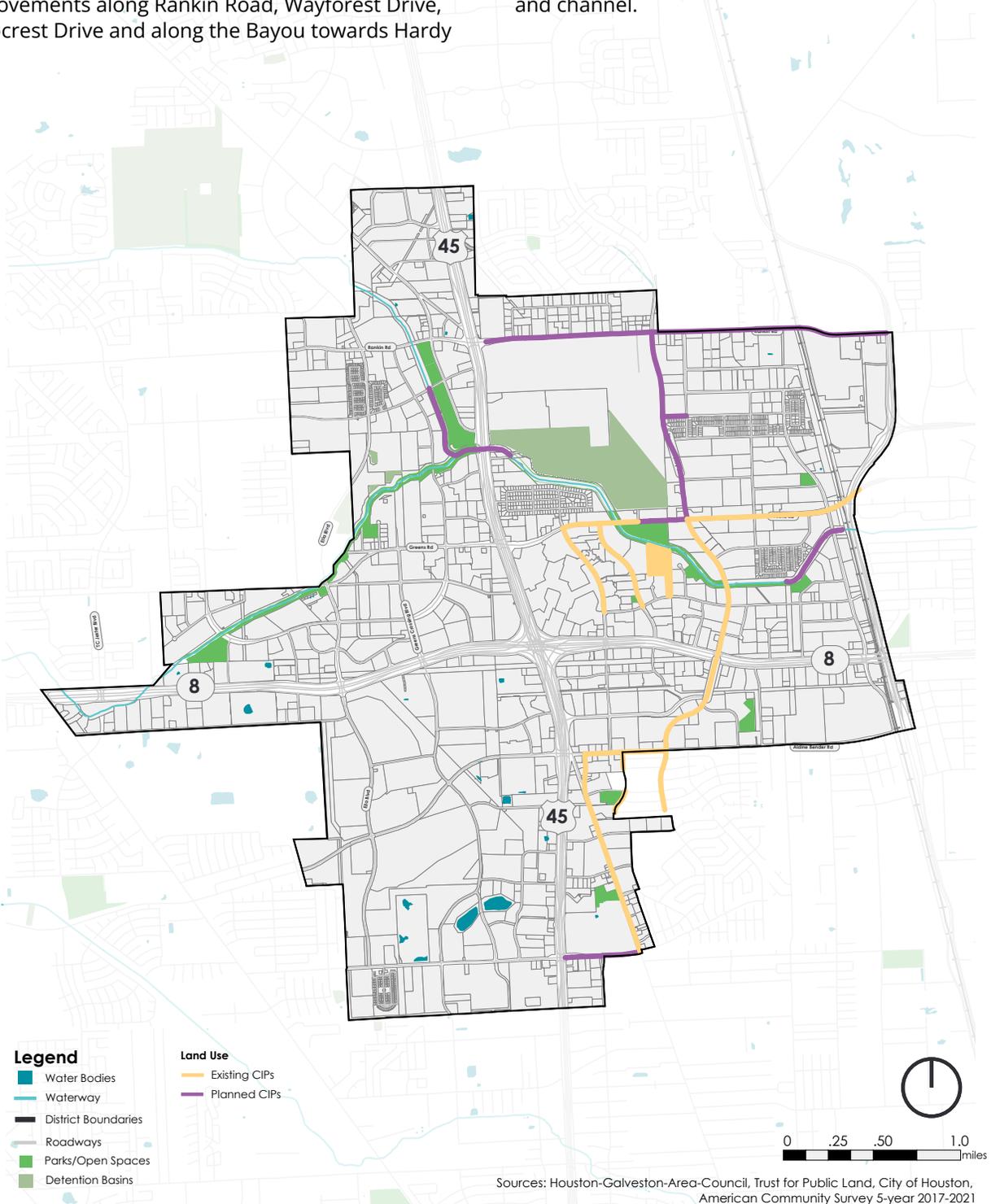
In addition, there is a continuous easement with Harris County Flood Control District (HCFCD) along both sides of Greens Bayou from end to end of the District.



CAPITAL IMPROVEMENT PROJECTS

This map illustrates the existing and planned capital improvement projects (CIPs) in the District. Within the NE quadrant, existing CIPs are located along Greens Road, Imperial Valley Drive, Hardy Street, Greenspoint Drive, and Northchase Drive with planned improvements along Rankin Road, Wayforest Drive, Knobcrest Drive and along the Bayou towards Hardy

St. In the SE quadrant, existing CIPs are located along West Road with planned improvements along Airline Drive, Aldine Bender Rd, Imperial Valley Dr, and Wagon Rd. Additional planned improvements are also anticipated between the Rockstar Energy Bike Park and channel.



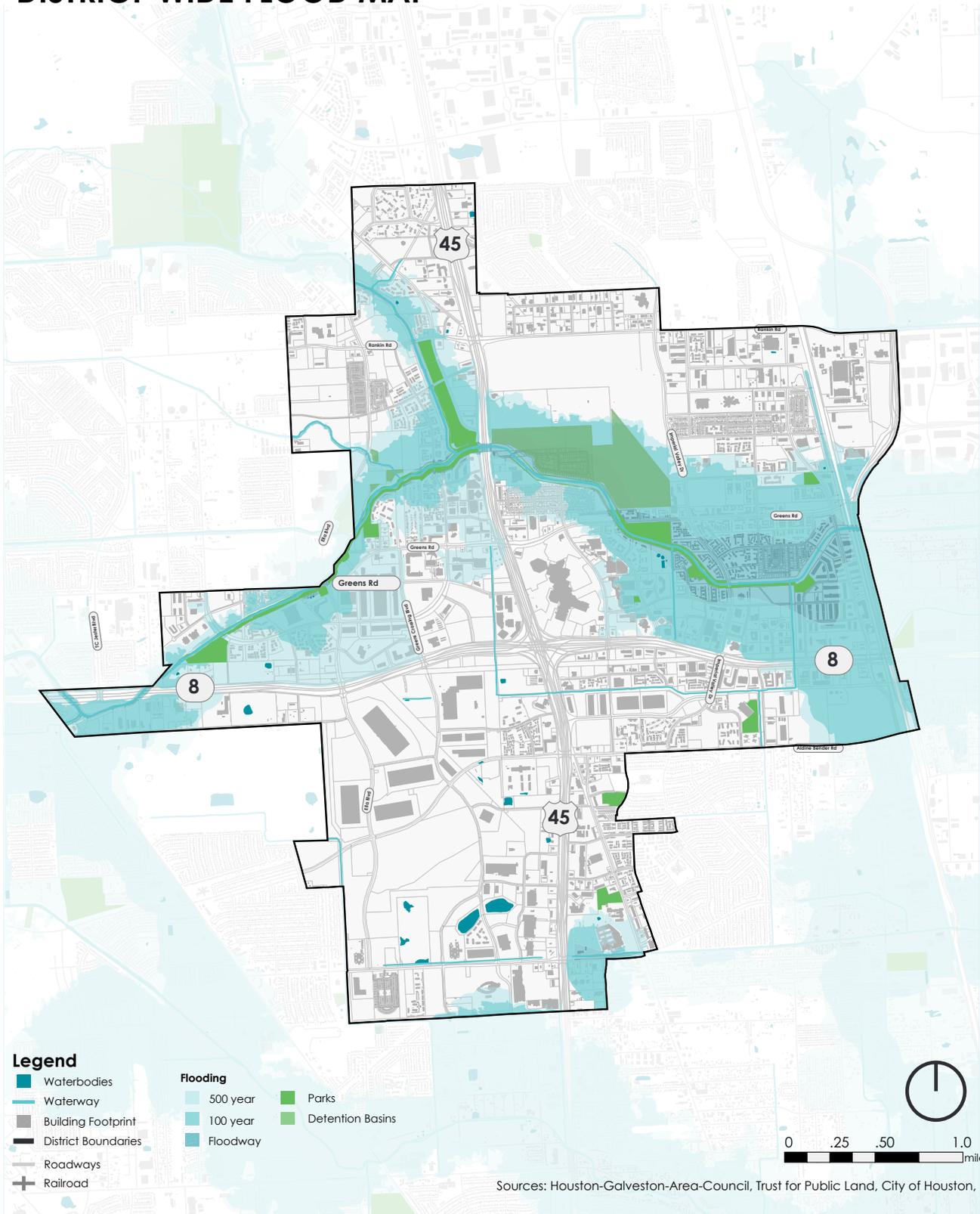
FLOODING

Greens Bayou traverses across the District and is one of the key natural assets that symbolize the area. There are 8.1 miles of trails along the Bayou which connect several multifamily developments to North Houston District's parks. With the proximity to Greens Bayou, however, approximately 26% of properties in the District are vulnerable to the risks of flooding.

This breaks down to 546 acres of land in the 100-year floodplain and 2,515 acres of land within the 500-year floodplain. Flood plain analysis is illustrated in the map below. Floodplains and floodways are likely to change with the release of MAAPNext data in 2023.



DISTRICT-WIDE FLOOD MAP



TREE CANOPY

The overall concentration of tree canopies and vegetation density are located in the northern portion of the District in the NW and NE quadrants. While there is correlation of tree canopy density to the location of parks and open space, there are also higher concentrations of tree canopies in residential subdivisions and apartment complexes. It is also

worthwhile to note that though Greens Bayou is a publicly accessible green space for the community, it does not account for tree coverage in the area.

PERCENT OF TREE CANOPY COVERAGE WITHIN EACH QUADRANT

GREENS CROSSING



NW

26.3%

GREENSPPOINT



NE

22.4%

PINTO BUSINESS PARK



SW

14%

AIRLINE CORRIDOR

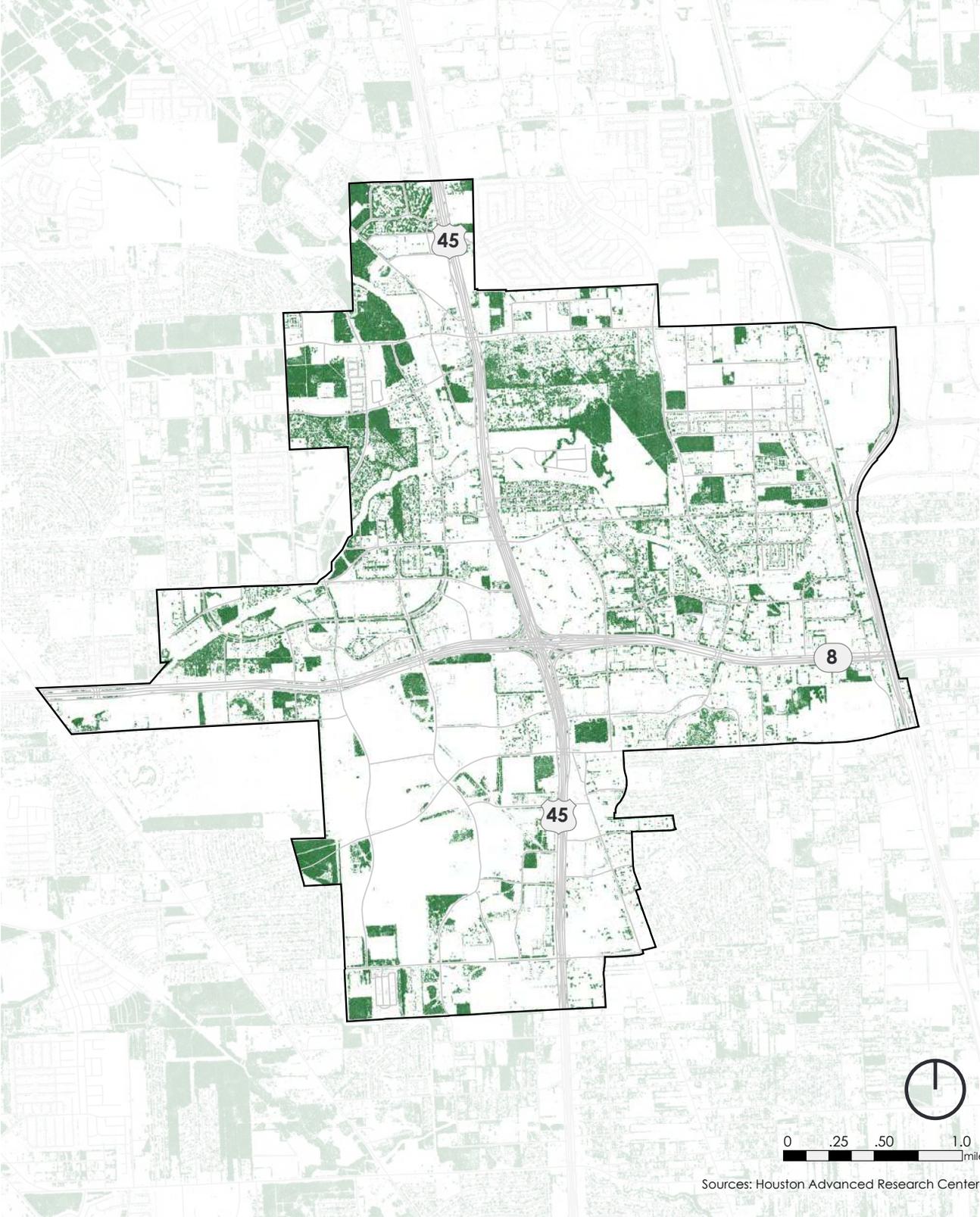


SE

18%



DISTRICT-WIDE TREE CANOPY COVERAGE



**HARRIS COUNTY
FLOOD CONTROL DISTRICT**
*GREENS BAYOU MID-REACH CHANNEL
CONVEYANCE IMPROVEMENTS,
PRELIMINARY ENGINEERING REPORT,
2022*

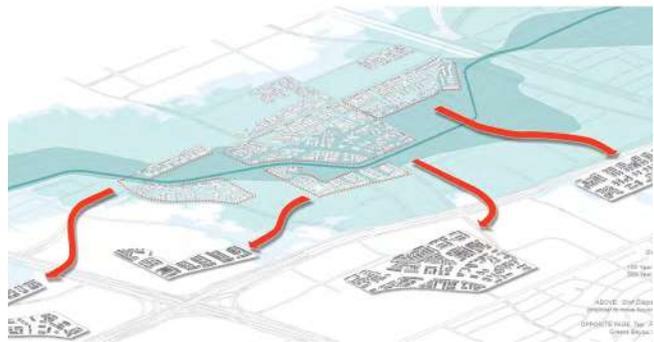
The preliminary engineering report evaluated whether the recently completed and planned improvements for the Greens Bayou Mid-Reach Channel, an existing channel right-of-way (ROW) could achieve a 10-year System Capacity. The report concluded that phased improvements to add one additional basin just east of Hardy Toll Road in an area identified as part of the Harris County Flood Control District (HCFCD) would improve the existing system capacity. The report includes cost estimates for each phase.



**COMMUNITY DESIGN RESOURCE
CENTER AT THE UNIVERSITY OF
HOUSTON COLLABORATIVE
COMMUNITY DESIGN INITIATIVE:
ISLANDS, 2012**

The publication serves as a guide for change in four partner communities of the Community Design Resource Center at the University of Houston (CDRC), which included Greenspoint. While the publication considered broad community issues and input within Greenspoint, the tools presented related to parks and open space enhancement include:

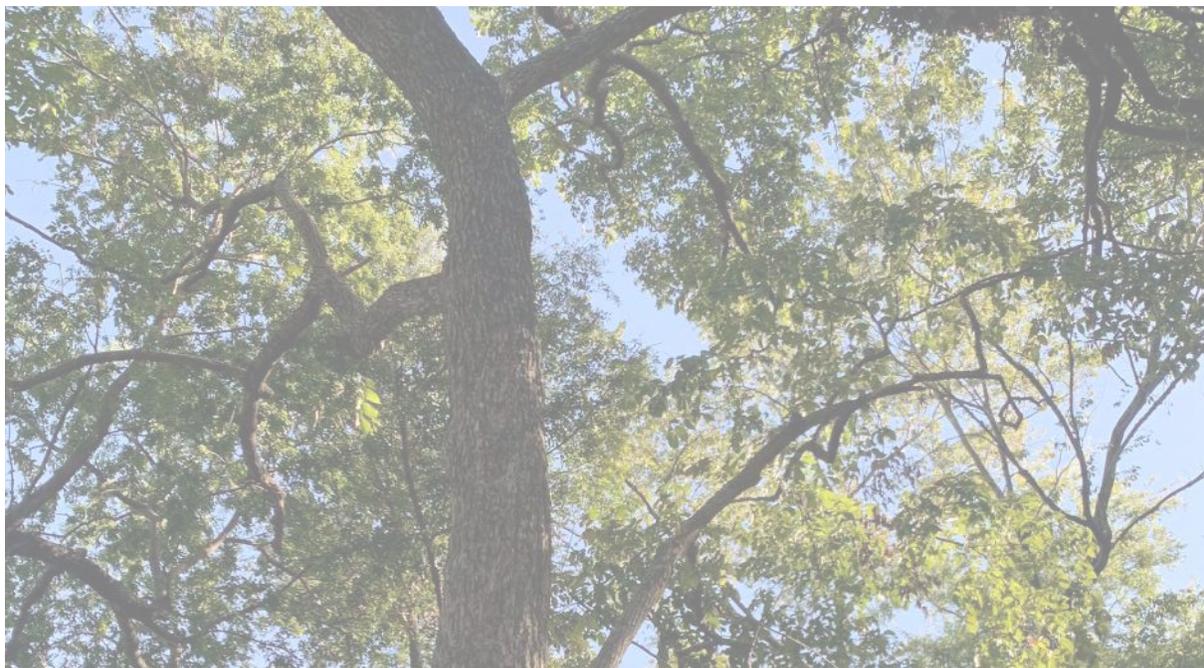
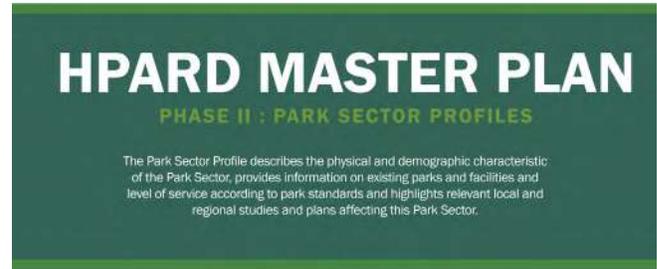
- Enhance the attractiveness and connectivity of the underpasses of IH-45 and Beltway 8.
- Unite residents and office workers together by encouraging mixed-use development comprised of new housing, green spaces, recreational amenities, and access to transit options.
- Relocate multi-family complexes out of the floodplain and repurpose those area as recreational and open space, and flood detention.
- Enhance the system of parks and trails in Greenspoint to patch and connect existing open spaces.



HOUSTON PARKS AND RECREATION DEPARTMENT *PARKS MASTER PLAN, 2015*

The City of Houston Parks and Recreation Department (HPARD) conducted a two-year assessment and established a Parks Master Plan for each Park Sector based in 2015. The North Houston District is located in the boundaries of Park Sectors 1, 2, and 20. In all the plans, HPARD recognizes the role the District plays in park acquisition, redevelopment of land, and maintenance of parks.

The physical facilities of parks and open space managed by the District were not considered in the plan or the needs assessment. The plan, however, lists priorities such as developing neighborhood connections to parks and trails and establishing partnerships with the school districts and other entities, which are also in line with future needs for 2040 identified for the respective park sectors. In the study, the Stovall Middle School SPARK park was the only existing SPARK facility. There are opportunities to partner with HPARD and SPARK parks to establish more publicly accessible parks and open space to enhance access and connectivity within the District.



GREENS BAYOU

Greens Bayou runs through the heart of the District and most of the District is located within the Greens Bayou Watershed. The Greens Bayou Greenway is bounded by Rankin Road to the north, Beltway 8 to the south, Beltway 8 to the west and Hardy Road to the east.

Land use along the Bayou is predominately residential multi-family housing with the exception of some commercial parcels near IH-45 and industrial parcels located at the eastern edge of the District.



The parks and open space system is a critical component of flood resiliency in the community. The greenway is home to a network of channels, streams and detention ponds that drain into the Bayou.

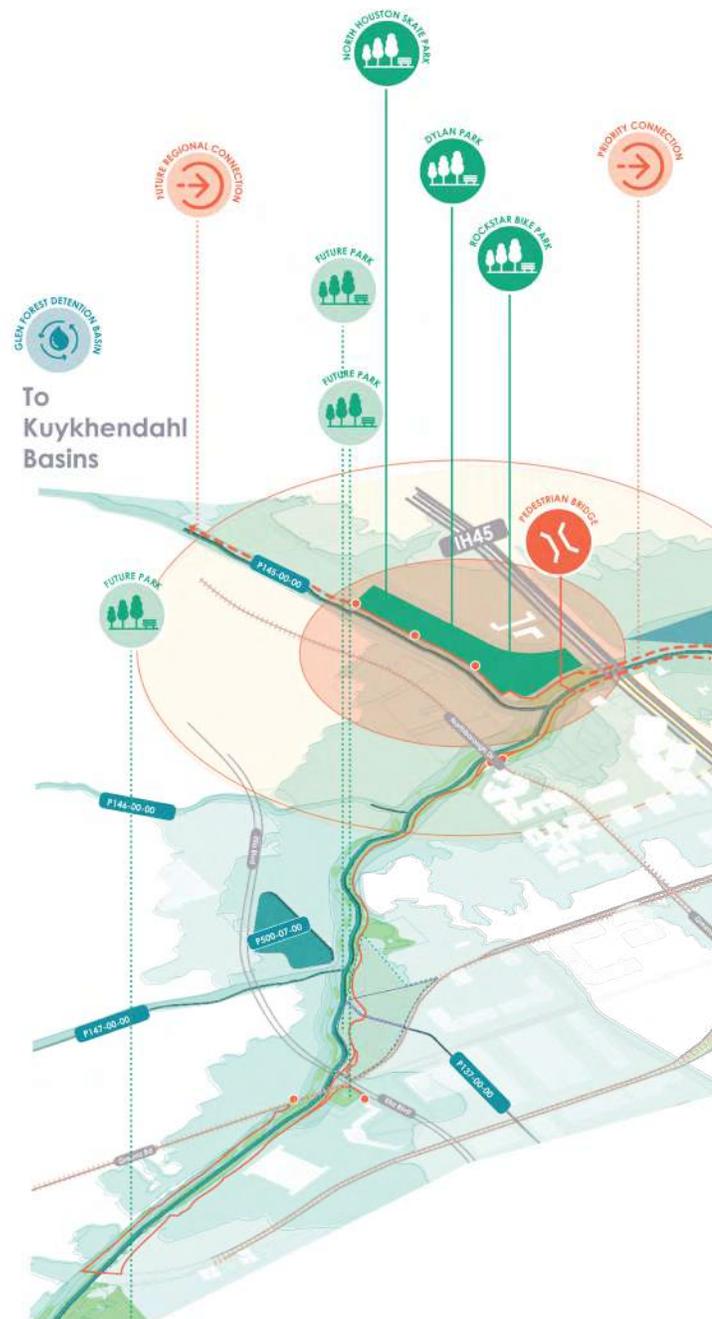


Most of the District's existing parks are located along the Bayou. In total, there are seven existing parks, which include the North Houston Skate Park, Dylan Park, Rockstar Energy Park, City View Park, Jack Drake Park, and Wussow Park.

Potential Parkland

There are several undeveloped or vacant land parcels of interest along the Bayou. These are highlighted as potential parkland opportunities. From left to right, these includes:

- An undeveloped parcel owned by Houston Parks Board before Beltway 8.
- Approximately 8 acres of undeveloped land owned by the District on the south side of Greens Bayou to the west.
- City of Houston Wastewater Treatment Plant (WWTP) located just south of Wussow Park.
- In addition, there are several detention ponds that could serve as dual-use recreational amenities. These are identified on the following page.

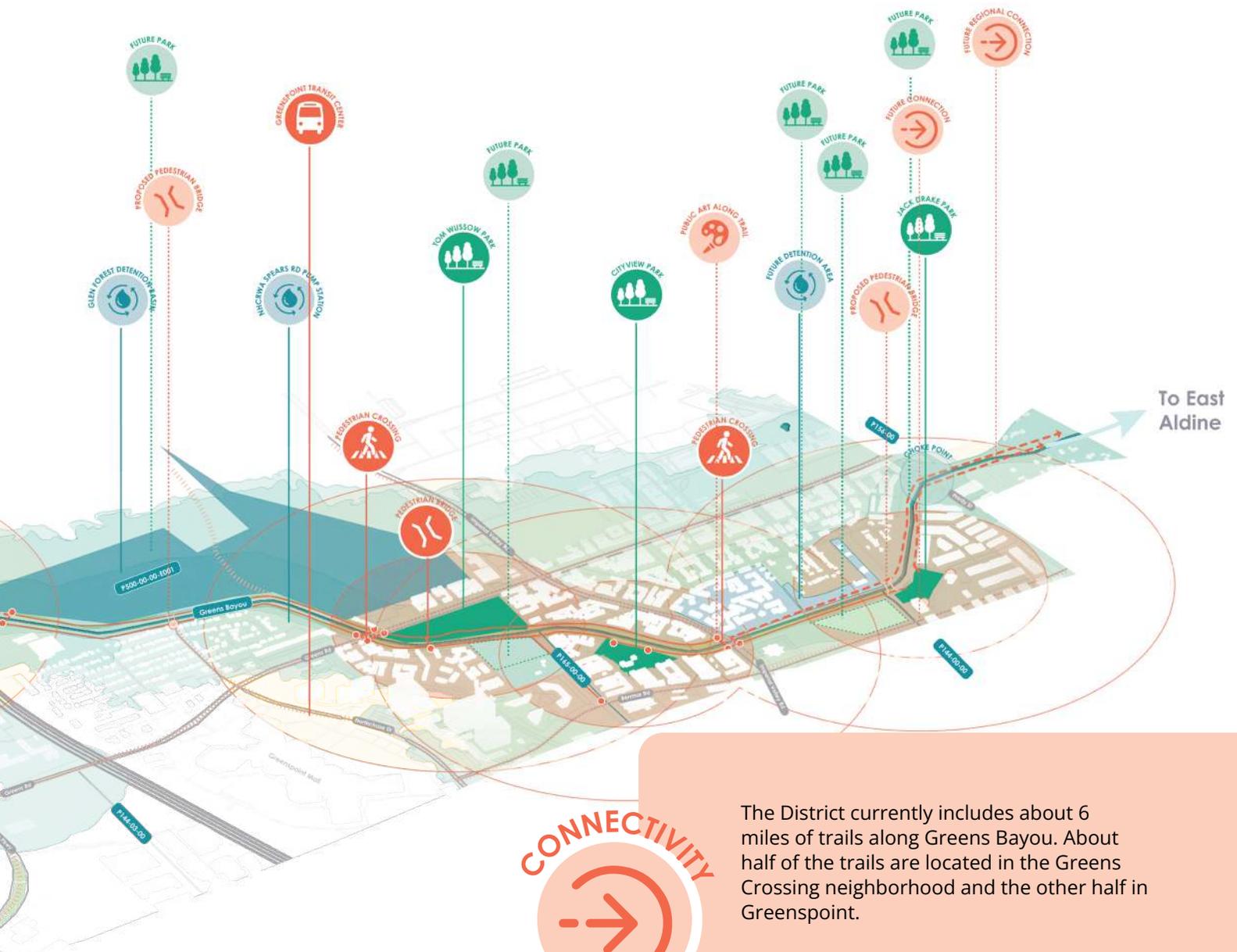




- Waterway
- Floodway
- Floodplain - 100 years
- Floodplain - 500 years
- Existing Detention
- Proposed Detention

- Existing Trail
- Proposed Trail
- Proposed Bikeway
- Existing Access Point
- Potential Access Point
- Existing Pedestrian Bridge

- Existing Park
- Future Park



The District currently includes about 6 miles of trails along Greens Bayou. About half of the trails are located in the Greens Crossing neighborhood and the other half in Greenspoint.

Several existing and planned trail improvements have been identified that build upon the District's connectivity.

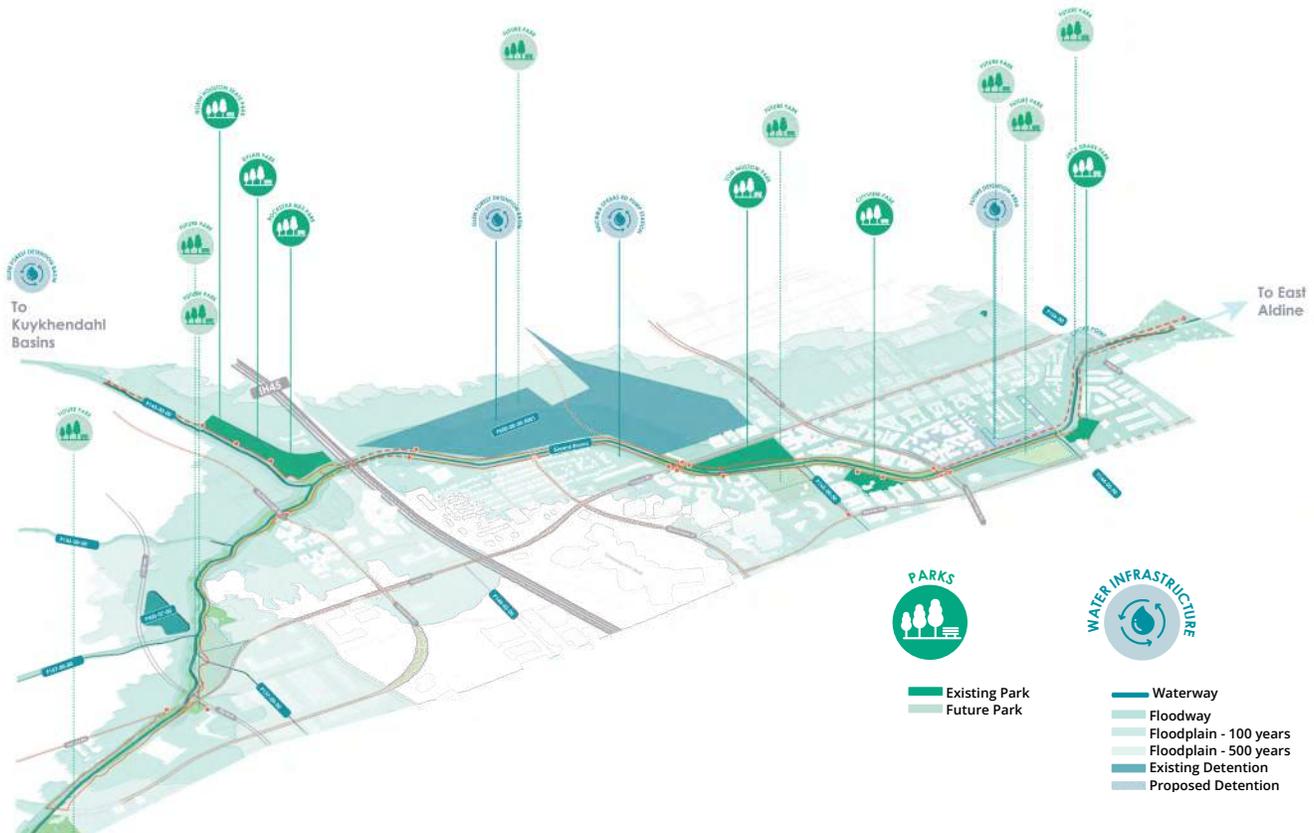
EXISTING AND FUTURE DETENTION BASINS

Several recent as well as planned detention areas along Greens Bayou present an opportunity for open space and parkland development through dual-use detention:

- Glen Forest is one of four detention basins alongside the mid-reach portion of the Bayou that is designed to target a 10-year level of protection. Completed in March 2021, the 160-acre site holds 2643 acre-feet, or 861.2 million gallons, of excess stormwater. (See **Appendix B** for info on HCFCB Basins)
- There are a number of properties located in the lowest lying areas north of Greens Road adjacent to Greens Bayou that are most at risk and represent repetitive loss and severe repetitive losses properties. This area is proposed as a future Central Park in the Livable Centers Study (shown in pink on the image to the right). This includes properties of Arbor Court and Biscayne Apartments.
- An existing 8.5-acre detention pond parcel adjacent to Jack Drake Park.



Areas for Property Interventions Map showing priority buyout areas (pink) along Greens Bayou (Livable Centers Study)



GREENS BAYOU TRAIL

Along Greens Bayou, the District currently offers about 6 miles of trail, with about half of the trail in the northwest quadrant (Greens Crossing) and the other half in the northeast quadrant (Greenspoint).

The western terminus begins just north of Beltway 8 with sections along the northern and southern banks of Greens Bayou until Ella Blvd where the northern section terminates. The southern portion continues east along the Bayou until IH-45 where a pedestrian bridge connects the trail to Rockstar Energy Bike Park, North Houston Skate Park, and Dylan Park.

Directly to the east of IH-45, the trail system begins again and includes trails on the north and south side of the Bayou that begin at Knobcrest Dr. The northern trail's eastern terminus is located at Imperial Valley Drive while the southern trail extends further with the terminus located at Jack Drake Park. This segment includes four crossings: Knobcrest, Greens Rd, a pedestrian bridge near Wussow Park, and at Imperial Valley Dr.

Access Points

There are 12 existing access points primarily centered around Imperial Valley Dr., Greens Rd., with additional access points at City View Park, Benmar Dr., and at IH-45.

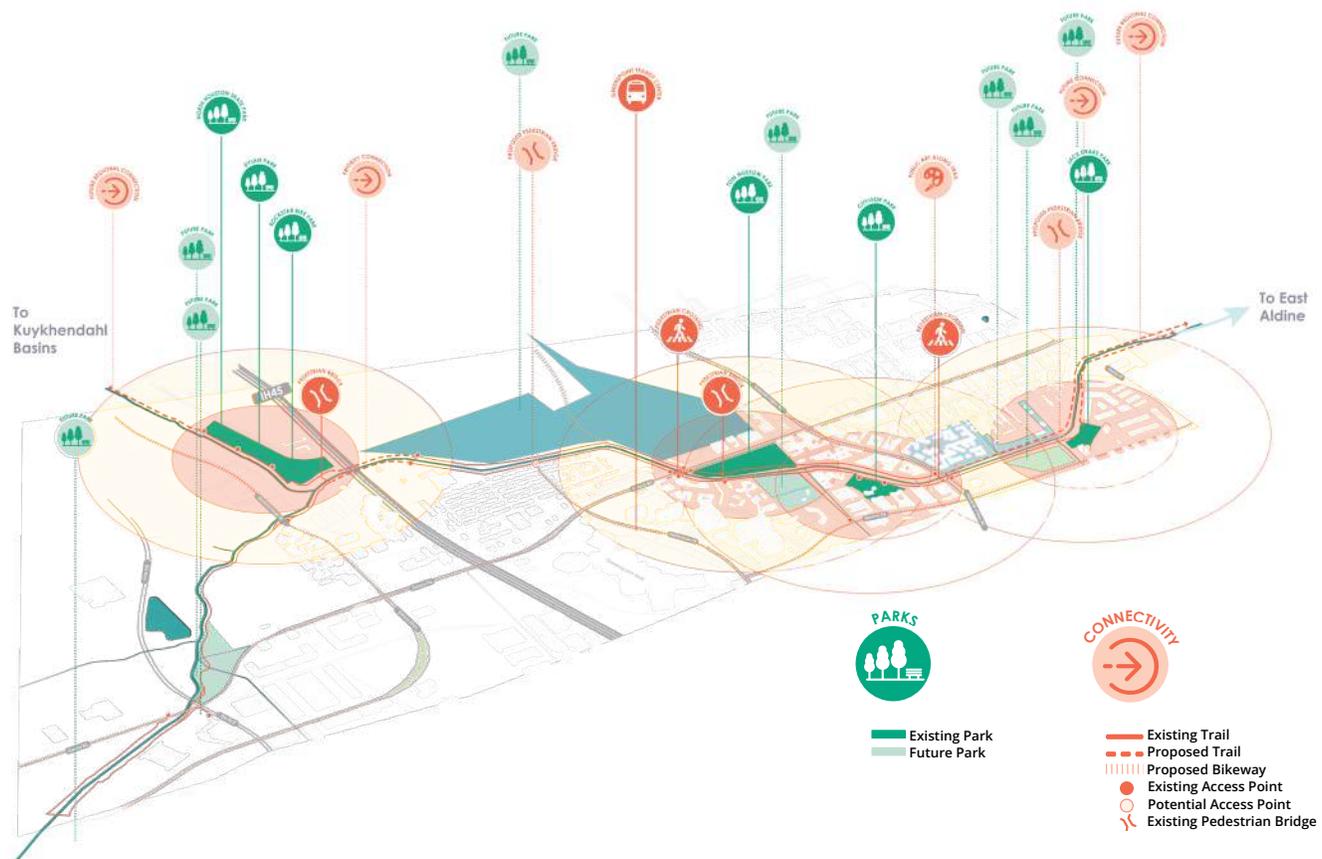
The H-GAC Livable Centers study has identified three additional access points at Greenspoint Dr. and two locations at Jack Drake Park. These proposed access points connect to proposed pedestrian bridges that improve connectivity to the future bikeway network and trail extension.

Pedestrian Crossings

There are currently two existing non-vehicular crossing over Greens Bayou located at the western boundary of Wussow Park and just West of IH-45.

Gateways and Trailheads

Over the years, the District has constructed a variety of gateways and placemaking elements along the trail. Gateway markers can include elements such as vertical greens (Ella), or the recent public art installations at Imperial Drive. These elements add a unique character, however, the system as a whole lacks cohesive branding including signage and wayfinding to unify parks and open space throughout the District.



PARK SYSTEM INVENTORY



The park and recreation system inventory aimed to understand the quantity, quality, location, and types of park and recreation facilities that currently exist in North Houston District.

The project team visited each of the park and recreation areas and documented the amenities, accessibility, and overall condition and status of the identified park and recreation areas and its amenities. Overall, 17 parks and open spaces, including vacant land that pose opportunities for the District were inventoried through this process, which is summarized in the matrix following this page.

Typically, smaller open parks and spaces addressed localized needs such as having small playgrounds, well maintained sidewalks, and site furniture.

Larger parks and open space draw users from outside of the District for destination activities such as BMX and skateboarding at Rock Star Energy Bike Park and North Houston Skate Park respectively.

Neighborhood parks that are in close proximity to each other differentiate themselves and establish character through paving material, planting material and spatial quality. However, based on the teams' observations, it seems that these parks lack different programs that would serve different age groups. The team did not make an observation for any park or open space in the system that served as a central community park during the inventory process. This is a potential need in the broader area that could meet the demand for more concentration of athletic and other recreational amenities.

EXISTING PARKS

- 1 Buckboard Park
- 2 City View Park
- 3 Dylan Park
- 4 Ida Gaye Gardens
- 5 Jack Drake Park
- 6 North Houston Skate Park
- 7 Rockstar Energy Bike Park
- 8 Thomas R. Wussow Park

OTHER PARK AREAS

- 9 Marcella Elementary SPARK Park
- 10 Stovall Middle SPARK Park
- 11 Greenspoint Community Park

FUTURE PARK AREAS

- A HPB Tract
- B W Greens Road Parcel
- C Glen Forest Detention Basin
- D WWTP
- E Central Park Detention
- F Jack Drake Park Detention

NE GREENSPOINT

NW GREENS CROSSING

PINTO BUSINESS PARK SW

AIRLINE CORRIDOR SE



- Existing Park
- Other Parkland
- Existing Trail
- Future Park Area
- Walkshed

PARK ACCESSIBILITY

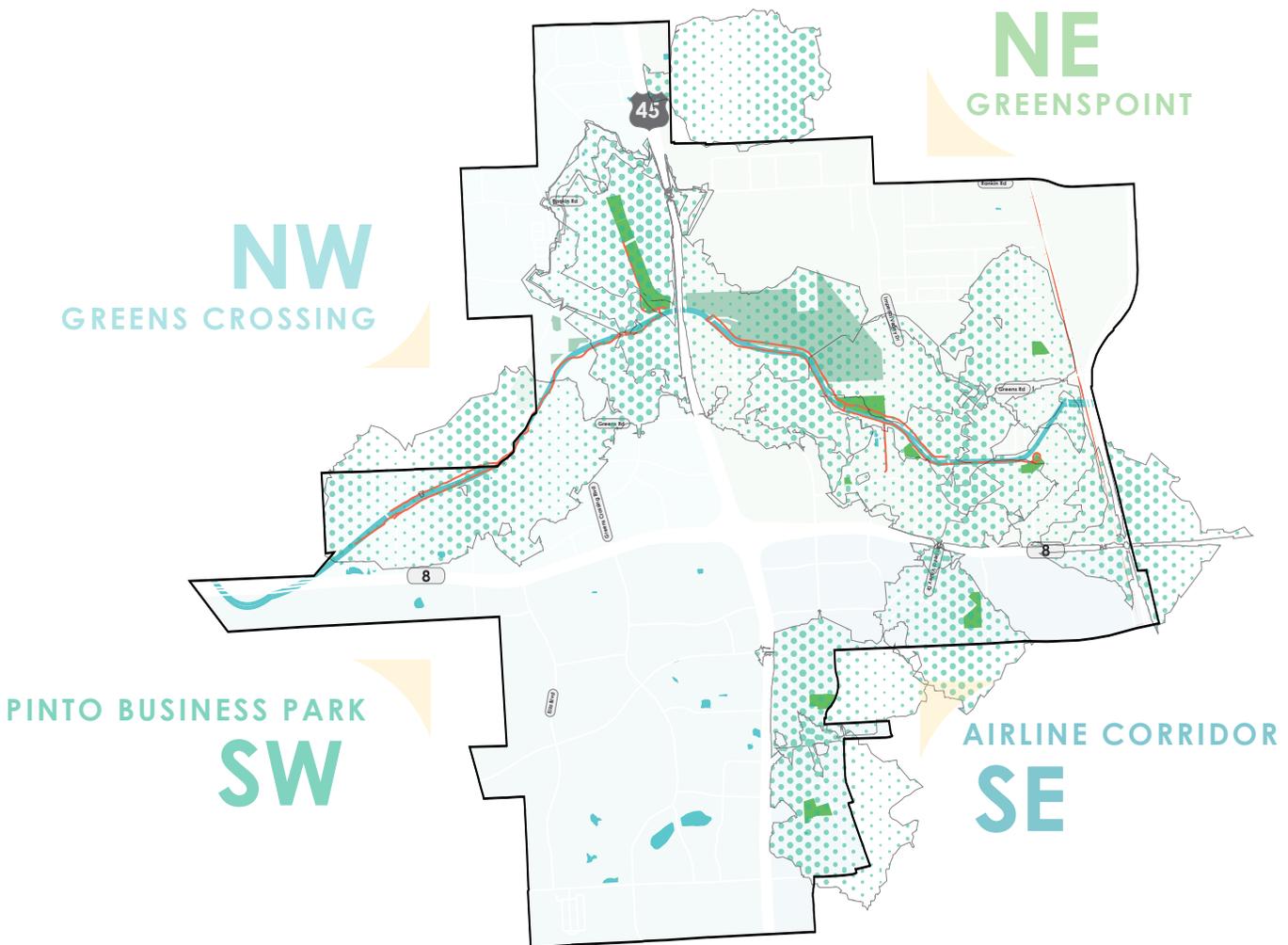
PARK WALKSHEDS

There is a great value in ensuring that availability and access to these spaces are in reach across all neighborhoods within the District. The Walkshed Map is a planning tool that identifies what areas are within a 10-minute walk to a park or trail. In the North Houston District, approximately 51% of residential properties have access to a park or trail within a 10-minute walk.

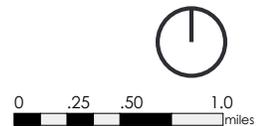
Greens Bayou, as shown on the map, plays a large role in providing connectivity throughout the District

with its trails, especially in the NE and NW quadrants, where Greens Bayou crosses through the District. Many of the parks and open spaces throughout the District are also within walking distance to Greens Bayou, which also helps broaden the radii of access to green space for North Houston District residents.

IH-45 and Beltway 8 are key thoroughfares that define the District, however, they also pose (IH-45 and Beltway 8) a physical hindrance to the connectivity of the parks system and people's ability to access them.



- Legend**
- Existing Park
 - Detention Basin
 - Existing Trail
 - Walkshed
 - Waterway



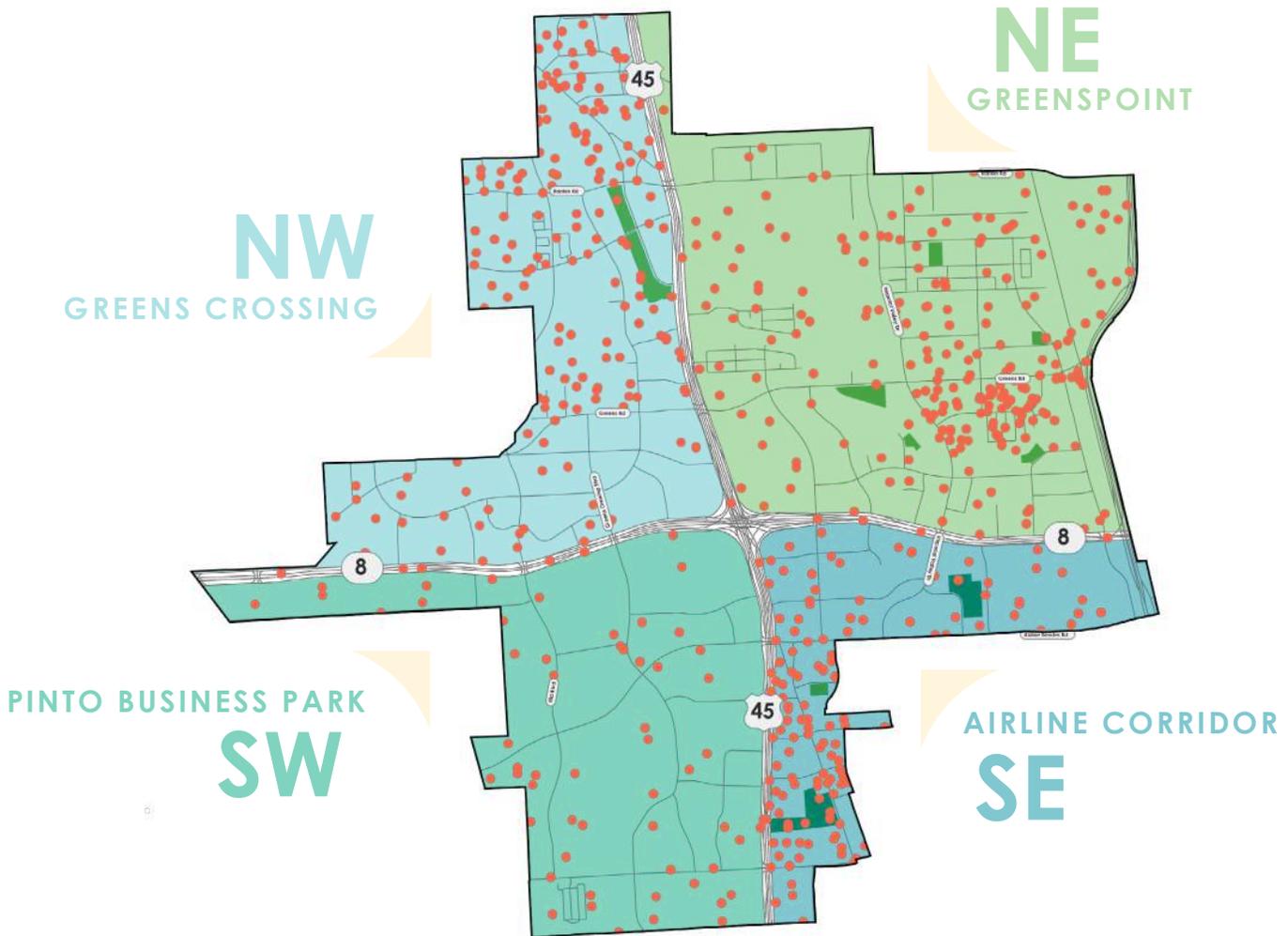
Sources: Houston-Galveston-Area-Council, Trust for Public Land, City of Houston,

DISTRICT EXISTING PARK ACRE & POPULATION ANALYSIS

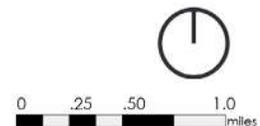
Another component of accessibility is the amount of available park acreage relative to population to determine whether there is enough parkland. While there is no standard acreage and the number can vary widely based on a variety of factors, this analysis indicates that the district's park acres per 1,000 residents is only 5.05 acres whereas the national median is 10.6 acres.

Within the District, the NW, SW, and SE quadrants have less parks and a low acreage of parks per residents.

	Population	Park Acreage	Park Acres per 1000 Residents	Population per Park
NW Greens Crossing	13,211	29.13	11.66	3,896.00
NE Greenspoint	21,764	20.90	2.54	3,176.50
SW Pinto Business Park	4,534	0	0.00	4,534.00
SE Airline Corridor	11,817	5.30	1.96	3,232.67
District Total	51,326	55.33	5.05	3,792.23
National Lower Quintile			5.40	1,227.00
National Median			10.60	1,941.00
National Upper Quintile			17.20	3,125.00



- Legend**
- Waterbodies
 - Waterway
 - District Boundaries
 - Roadways
 - Parks
 - Spark Parks
 - 100 People



Sources: Houston-Galveston-Area-Council, Trust for Public Land, City of Houston, American Community Survey 5-year 2017-2021

PARK SYSTEM INVENTORY MATRIX

Park Name	Classification	Acres	Year Developed	Relevant Organizations
1 Buckboard Park	Neighborhood Park	5.3	2008	Greater Greenspoint Redevelopment Authority
2 City View Park	Neighborhood Park	2.5	2003	NHD Palm Beach Estates
3 Dylan Park	Neighborhood Park	4.43	2014	Greater Greenspoint Redevelopment Authority
4 Ida Gaye Gardens	Neighborhood Park	3.0	2011	NHD Langwick Senior Residences, L.P.
5 Jack Drake Park	Neighborhood Park	4.0	2018	NHD
6 North Houston Skate Park	Community Park	5.4	2013	Greater Greenspoint Redevelopment Authority
7 Rockstar Energy Park	Regional Park	19.30	2019	Greater Greenspoint Redevelopment Authority
8 Thomas R. Wussow Park	Community Park	11.40	2003	TIRZ, YMCA, NHD
9 Marcella Elementary Spark Park	Neighborhood Park	6.1	2018	Aldine Independent School District
10 Stovall Middle Spark Park	Neighborhood Park	5.5	2014	Aldine Independent School District
11 Greenspoint Community Park	Neighborhood Park	4.2	2016	Aldine Independent School District



Buckboard Park



City View Park



Dylan Park



Ida Gaye Park

	Picnic Areas	Trails	Baseball	Soccer	Basketball	Water Feature	Park Admin Buildings	Restroom	Playground	Public Art	Other
	X	X							X	X	Educational Signs
	X	X									Passive Use
	X	X						X	X	X	Accessible Park Design
		X				X					Garden; Fitness Station
		X								X	Viewing Platform
	X	X					X	X		X	
	X	X					X	X		X	Performance Stage
	X	X	X	X			X	X	X	X	
	X	X							X	X	
	X	X							X		
	X	X							X		



Jack Drake Park



Marcella Elementary School



Rockstar Energy Park

EXISTING PARKS

BUCKBOARD PARK

Buckboard Park is considered a neighborhood park located in the southeast quadrant of the District. At 5-acres, the park includes public art, a playground, trails, and picnic areas. Art is a major attractor throughout the park with colorful mosaics, sculptures and painted manholes that make this a beautiful place to enjoy and experience art installations.

Owners: GGRA
Size: 5.30 acres
Address: 70 Buckboard Dr



Butterfly garden

CITY VIEW PARK

Located in the northeast quadrant (Greenspoint) of the District, City View Park is one of the first parks developed by the District alongside Wussow Park in 2003. It is considered a neighborhood park with a pavilion, picnic tables and benches. Although the park has access along the Greens Bayou Trail network and City View Place, its visibility is limited due to its location behind the Palm Beach Estates apartment complex and limited signage.

Owners: NHD
Size: 2.50 acres
Address: 16822 City View Place



Walking trails

DYLAN PARK

Dylan Park was created in memory of Dylan Newman, a child abuse victim who later passed away. The park is located in the northwest quadrant (Greens Crossing) of the District directly adjacent to the North Houston Skate Park which shares the same administrative facilities. It is carefully designed to inspire children of different ages and capabilities, featuring an all inclusive and accessible playground with a colorful rubberized surface that allows children to explore interactive play equipment, textures and surfaces.

Owners: GGRA
Size: 4.43 acres
Address: 12351 Kuykendahl Rd



Accessible Playground

IDA GAYE GARDENS

Located in the northeastern quadrant (Greenspoint) of the District, Ida Gaye Gardens is a 3.2-acre park designed to encourage an active, healthy lifestyle for the senior citizens in the area. It includes walking trails, a pond, specialized exercise equipment, an area for structured exercise classes and raised gardens. Connectivity and access to the park happens along Langwick Drive's northern edge. Currently, there is no dedicated parking area for the park, other than on-street parking and there is limited safe crossing for pedestrians approaching the site from the south.

Owners: NHD
Size: 3.2 acres
Address: 16135 W. Hardy Rd



Specialized exercise equipment

JACK DRAKE PARK

Jack Drake Park is a 4-acre park located within the northeastern (Greenspoint) quadrant of the District. It serves as the trailhead for the Greens Bayou Trail on the eastern side of the district with an additional access point from Hedgcroft Drive where the parking lot is located. Its focus is to provide users the opportunity to access nature through natural restoration strategies and a decomposed granite trail loop. It also provides benches and public art to expand users' experience.

Owners: NHD
Size: 4.0 acres
Address: 641 Bradfield Rd



Benches along the trail

NORTH HOUSTON SKATE PARK

North Houston Skate Park opened in 2014 and is located at the intersection of Rankin Road and Kuykendahl Road in the northwest quadrant (Greens Crossing). It is the largest skate park in North America, featuring world class, competition-scale professional features. The park shares the same entrance and other amenities with Dylan Park. Although the park is in excellent condition, it could benefit from additional shade, seating areas and other comfort amenities for its users.

Owners: GGRA
Size: 5.40 acres
Address: 12351 Kuykendahl Rd



Skate equipment

ROCKSTAR ENERGY BIKE PARK

Rockstar Energy Bike Park is the newest addition the North Houston District's park system in the northwestern quadrant (Greens Crossing). It is located along Kuykendahl Road directly adjacent to Dylan Park and the North Houston Skate Park. It features a world-class BMX race track with different sections that provide a diverse riding experience to users. It also houses an event center that can seat approximately 3,500 people.

Owners: GGRA
Size: 19.30 acres
Address: 12351 Kuykendahl Rd



Bike trail

Tom Wussow Park

Serena Villa

Serena Village 2

To KCFCO Detention

P
Parking Lot

Pavilion

Pavilion

Park Admin Buildings

Large Pavilion

Greens Rd

5
VERY SATISFIED

5
VERY SATISFIED

Bike Lane

10



2

ENGAGEMENT

The North Houston District Parks Master Plan engagement sought to capture a combination of public and stakeholder feedback, enabling the consideration of community voices alongside the opinion of key stakeholders. This section includes an overview of the process, including goals, strategies, and principles that informed engagement, as well as key findings and results.

OVERVIEW

As a community where previous public engagement encountered low public participation, efforts for the North Houston District Master Plan had to employ strategies which deviated from traditional, formalized engagement events.

Informed by community perspectives in previous engagement efforts, the engagement plan for the 2023 Parks Master Plan included a combination of stakeholder meetings with public pop-up events. A six (6) month effort between October 2022 and March 2023, engagement for the 2023 Parks Master Plan featured two (2) public engagement pop-ups at Thomas R. Wussow Park and three (3) stakeholder meetings.

STRATEGIES

- Meet people at the park - the public pop up events allowed the planning team to directly engage North Houston District park users.
- Provide bilingual engagement to capture input from Spanish speakers.
- Rely on strong partner organizations to support visioning and implementation.

ENGAGEMENT TIMELINE

Project engagement ensured the development of a master plan aligned with the vision of the North Houston District and its partners and considerate of community preferences. This timeline summarizes the key engagement events that occurred during the planning process. This process both helped establish a foundation for the project's goals and contributed to the project's direction at key moments, including the refinement of recommendations and concept plans.




Pop-Up #1
NATIONAL NIGHT OUT



October 4th, 2022



Stakeholder Meeting #1
INTROS

October 27th, 2022



Pop Up #1
Initial Understanding



Stakeholder Meeting #1
Partnerships and Vision

- As part of the National Night Out event at Wussow Park, 25 attendees provided 40 comments related to their park experience and preferences
- A park map activity helped attendees share their own Wussow Park stories
- A park priorities activity encouraged users to reflect on their park experience and explain their usage and perspective of various park amenities and characteristics

- Nine (9) stakeholders representing eight (8) organizations participated in the stakeholder committee's in-person kick-off meeting
- An open-ended discussion allowed stakeholders to establish project goals derived from initial community feedback
- A tour of Wussow Park served to demonstrate the plan's tangible possibilities to stakeholders





February 8th, 2023

February 25th, 2023

March 29th, 2023

 **Stakeholder Meeting #2**
Identify Feasibility/Priority

- 12 stakeholders attended a virtual meeting showing the master plan's progress and presenting initial park concept designs
- A feedback session allowed stakeholders to identify potential opportunities and challenges related to district-wide and bayou-scale master plan recommendations
- Using the online tool Jamboard, users provided eight (8) comments directly on four (4) initial Wussow Park concepts **(See page 84)**

 **Pop-Up #2**
Community Preferences

- On a Saturday, project team members approached approximately 40 Wussow Park users to present stakeholder-selected priority concepts
- Users were asked to identify their preferred concepts and provide additional, overall park feedback
- Conversations with users helped the District and design team understand the community's attitude on the potential plan

 **Stakeholder Meeting #3**
Master Plan

- The final draft of the master plan was presented to 13 attendees at a virtual meeting
- Feedback session outlined the plan's recommendations at the district and Bayou scales, presented the final Wussow concept, and listed known partnerships
- Discussion feedback affirmed stakeholder's support for the project and provided additional perspectives for enhancing small details

KEY FINDINGS

PUBLIC ENGAGEMENT



3 out of 4 park elements received 3 or lower star ratings

When rating four (4) key park ratings, Safety & Comfort, Maintenance, Amenities, and Programming, attendees gave no higher than three (3) stars to all characteristics except Maintenance. These results outline possible park challenges and concerns.



Over half of respondents use the park for active leisure

Comprised of sports, exercise, and play, active leisure stands as the most popular activity type at Wussow Park, indicating community members' leisure preferences while highlighting potential opportunities for integrating new programming (see Appendix A).



Majority of users prioritized multigenerational spaces

When presented with two concept design options for the future of Wussow Park, park users most often selected option 1 as their preferred choice, commonly citing the design's creation of multigenerational spaces (see Appendix A).



Basketball represented users' top programmatic request

With soccer recognized as Wussow Park's most popular sport, users noted a need for more basketball facilities, citing a lack of facilities both throughout the surrounding community and in the presented concept designs (see Appendix A).



Asakura Robinson Team leading National Night Out engagement. 4 October 2022. Asakura Robinson.

MOST COMMON FEEDBACK TOPICS

- 1 SPORTS
- 2 LIGHTING
- 3 WALKING

MOST COMMON CONCEPT DESIGN TOPICS

- 1 PLAYGROUND
- 2 BASKETBALL
- 3 SOCCER

Topics most frequently represented in park comments and stories (See appendix xx).

STAKEHOLDER ENGAGEMENT

A stakeholder group provided insight toward the master plan's development, leveraging their expertise to highlight possible opportunities and challenges related to the plan's feasibility. The North Houston District led selection for the 16-person group, representing various local and municipal perspectives (see Appendix A for stakeholder membership details). A series of stakeholder meetings then established a feedback loop to help envision and create project goals and direction throughout the master planning process.

Meeting #1

INTRODUCTION + WUSSOW PARK TOUR

- While discussing strategies for developing master plan recommendations, stakeholders identified **16 potential partnerships and 19 initiatives** within or adjacent to the North Houston District
- A tour of Wussow Park provided **design direction and points of consideration** for future concept plans, including priorities and challenges such as sport fields, trails, and splash pads

Meeting #2

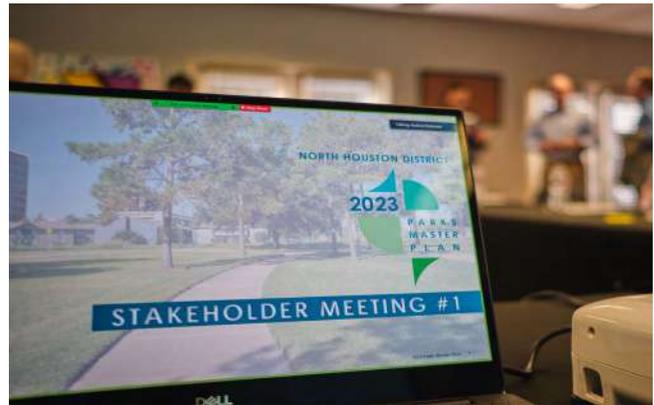
FEASIBILITY + INITIAL CONCEPT PLANS

- Stakeholders highlighted the use of **easements as possible priorities** for achieving District connectivity, citing their **higher feasibility related to safety and cost** compared to road-based improvements
- Of 4 concepts presented (see page 84), stakeholders largely **preferred concept 3a** due to its compatibility with existing programming and **overall utility benefit** for nearby communities.

Meeting #3

FINAL RECOMMENDATIONS + PLANS

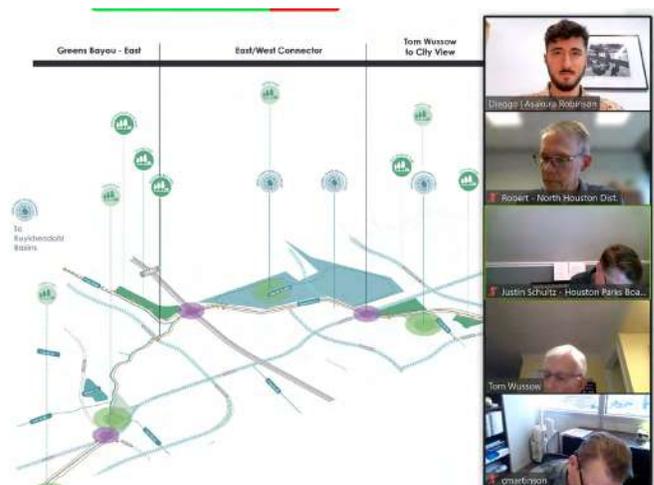
- Stakeholders **continuously voiced support** for the project throughout the presentation of overall plan recommendations
- Feedback mainly requested **consideration of additional details** for enhancing and activating spaces to ensure safety and success of enhancements, including circulation and lighting



Stakeholders identified new partnerships and initiatives within or adjacent to the North Houston District. 27 October 2022. Asakura Robinson.



Asakura Robinson Team leading Wussow Park tour. 27 October 2022. Asakura Robinson.



Asakura Robinson Team leading Stakeholder Meeting 3. 29 March 2023. Asakura Robinson.



3

VISION

The Vision for the North Houston District Parks Master Plan is an effort to take stock of the existing parkland, partnerships, and community to create a cohesive network of parks, trails, and open space.

It is guided by Goals and Guiding Principles, which were shaped by understanding the current conditions of the District, existing plans, and the input provided by members of the public, stakeholders, and the District. The goals to **Connect, Activate, Enhance, and Unify** aim to strengthen the identity and cohesion of the District's parks, open spaces, and trails. The goals play an important role in the Districts' approach to build, expand, and enhance its plans.

The recommendations presented in this chapter are presented at three different scales - District-wide, Bayou-scale, and at the park level. The intention of this is to attribute the recommendations for the respective scales to one or more goals. It also presents opportunities to approach the Parks Master Plan at different scales.

GOALS & GUIDING PRINCIPLES

The parks master planning effort is guided by four goals: Connect, Activate, Enhance, and Unify. The goals were identified by analyzing the existing conditions, conversations with the North Houston District, and with other stakeholders. Within each goal, guiding principles are envisioned at three scales: District-wide efforts, Bayou-scale, and park level.

CONNECT



Strengthen the connections between parks, open spaces, and the community.

ACTIVATE



Envision solutions to activate publicly owned, under utilized green spaces that currently exist within the District.

ENHANCE



Strengthen the features of existing parks and trails to meet the District's visions for a unified park system.

UNIFY



Leverage partnerships to identify and address common priorities for the District and standardize District park amenities and branding.

DISTRICT-WIDE

OVERVIEW

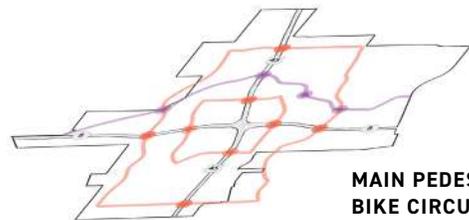
The North Houston District presents numerous opportunities to enhance connectivity, activate existing parks, and create new parks and open space throughout the District. The District-wide recommendations section focus on the goals to **Connect** and **Activate**.

Connect integrates the existing 8.1 miles of trails, mostly located along Greens Bayou, to existing plans within the District and establish connections throughout the four quadrants. The goal is to complete a network of inner and outer loop of trails, paths, and bike lanes that connect the District's recreational opportunities.

Activate identifies where the gaps in park acreage can be closed and provide wider access to parks for residents and visitors. Publicly owned vacant land and schools were identified for new parks and open spaces. These are opportunities to complement the enhancements for connectivity and to activate more places for recreation and leisure.

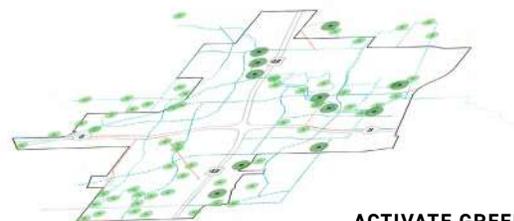
The map on page 55 illustrates all of the locations of the existing parks and trails in the District, alongside planned and recommended park, trails, and connections.

The maps on pages 56, 58, 60, and 62 focus on the recommendations shown on page 5 at the Quadrant level. The numbers on the map correspond to the numbers on the table on the page following the respective quadrant maps (pages 57, 59, 61, and 63) and identifies the recommendations needed to meet the Districts' goals.



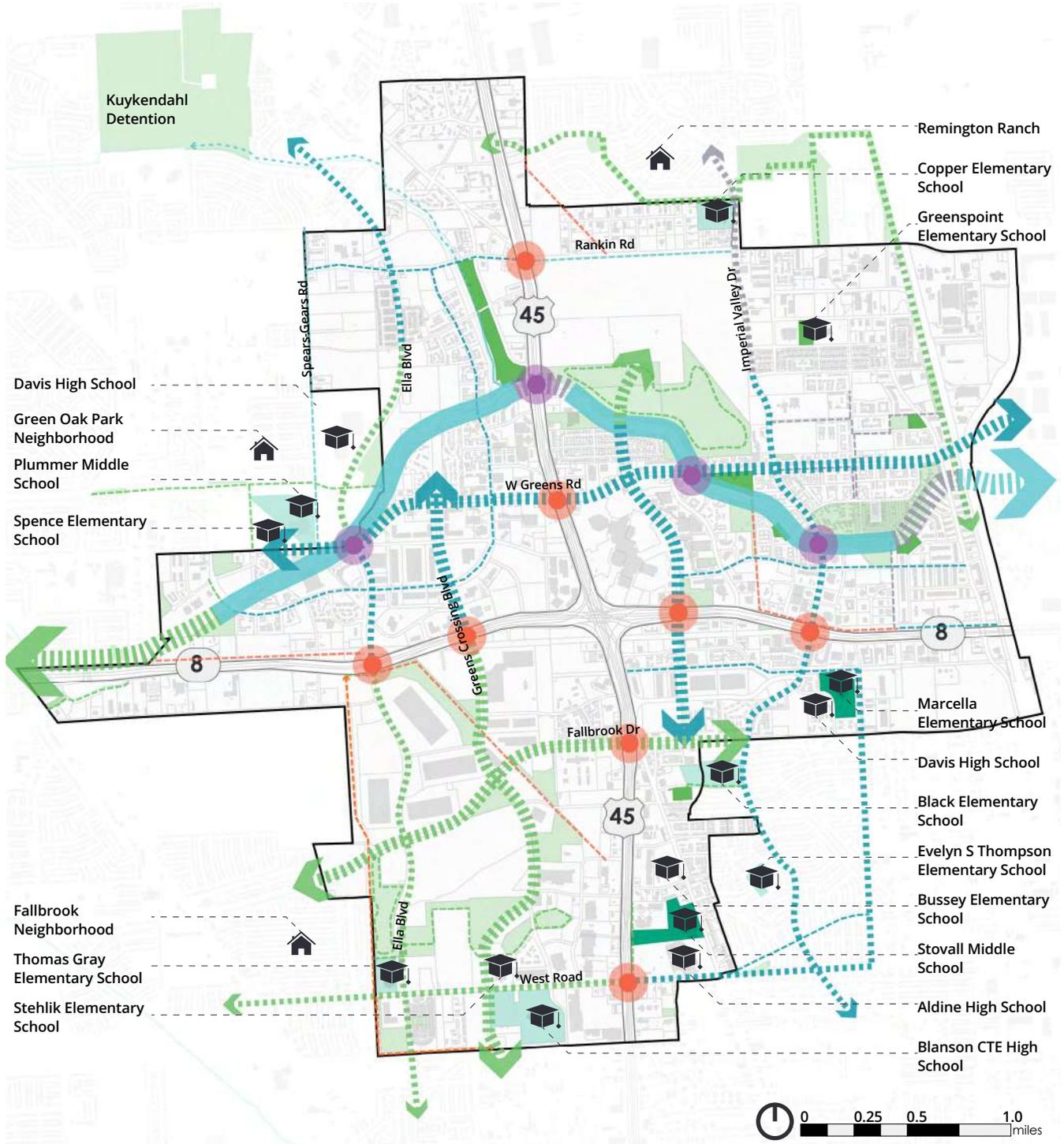
MAIN PEDESTRIAN AND BIKE CIRCULATION

-  Inner and Outer Loop
-  Potential Crossings
-  Greens Bayou Corridor



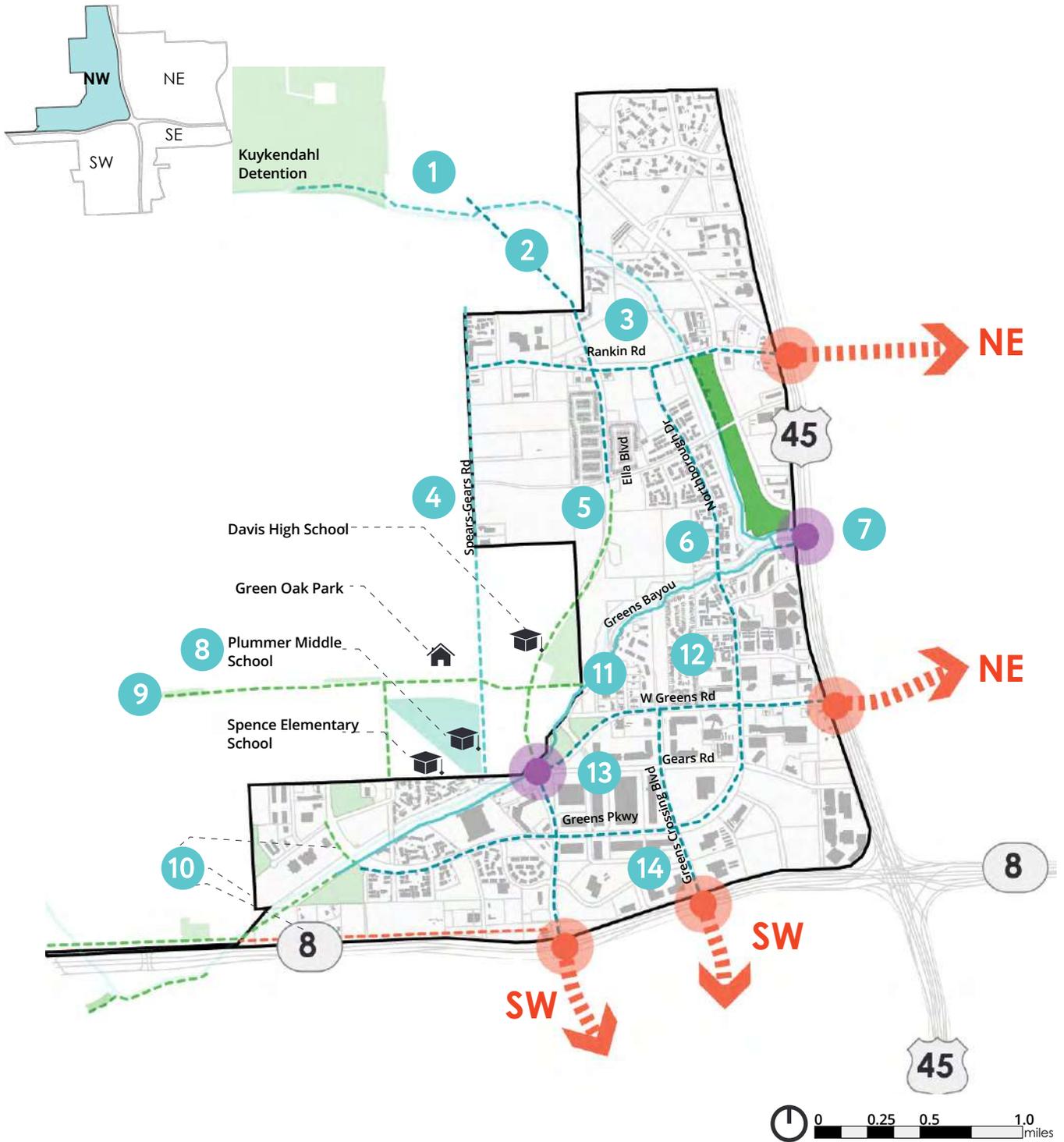
ACTIVATE GREEN SPACE

-  Existing Park
-  Potential Park/Green Space



	Existing Park		Existing Bike Lane		Community/Neighborhood
	Potential Park/Green Space		Planned Bike Lane		School
	Existing SPARK Park		Easement		Potential Crossings (Street Scale)
	Potential SPARK Park		NHD Current Pursuits		Potential Crossings (Trail Scale)
	Existing Trail		Recommendations		
	Planned Trail				

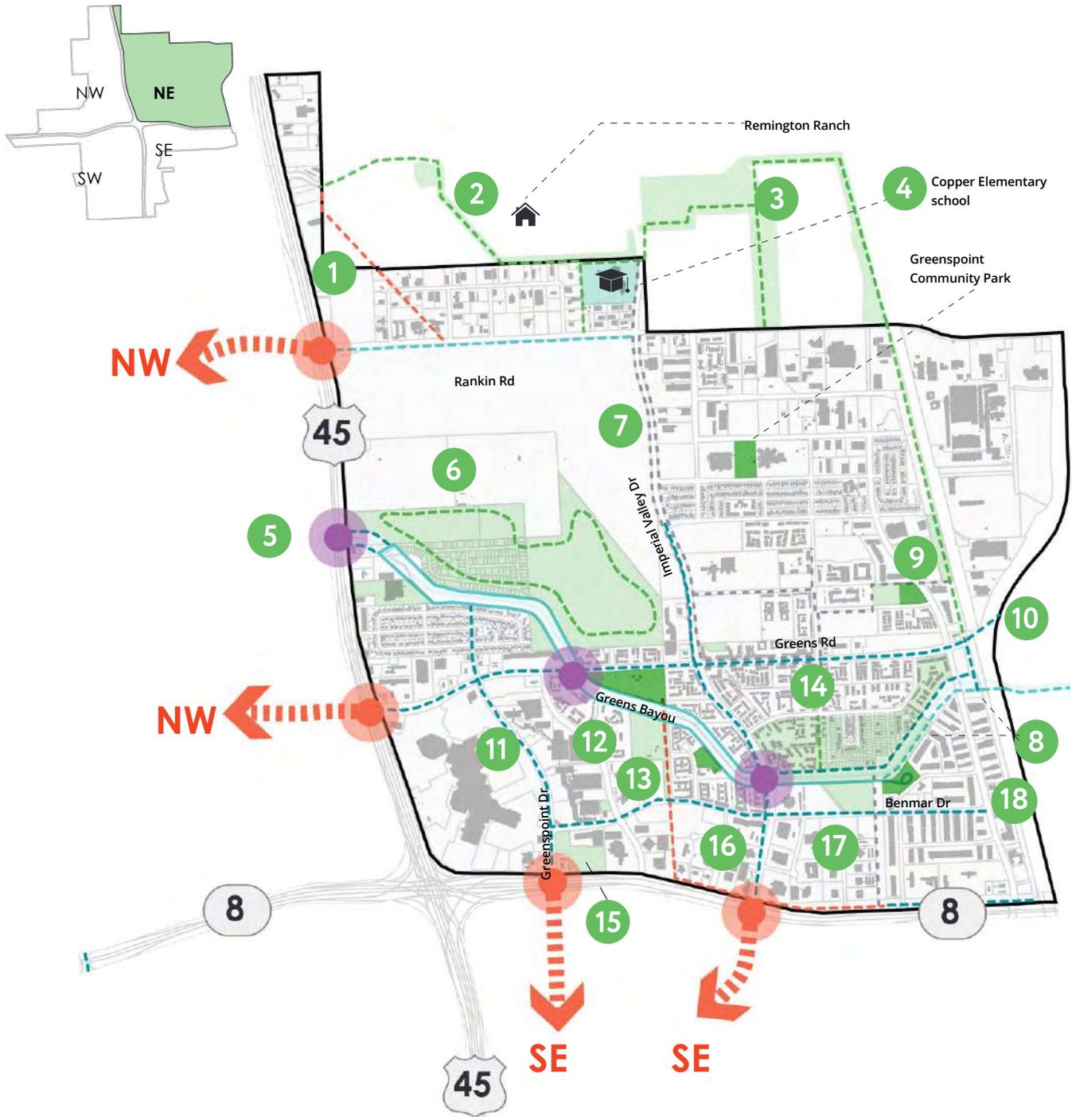
NW QUADRANT RECOMMENDATIONS



Existing Park	Existing Bike Lane	Community/Neighborhood
Potential Park/Green Space	Planned Bike Lane	School
Existing SPARK Park	Easement	Potential Crossings (Street Scale)
Potential SPARK Park	NHD Current Pursuits	Potential Crossings (Trail Scale)
Existing Trail	Recommendations	
Planned Trail		

#	PRIORITY	GOAL	RECOMMENDATIONS	NOTES
1	Long-Term	Connect	Consider future regional connections between Rockstar Energy Bike Park and Kuykendahl Detention Basin	
2	Long-Term	Connect	Develop a bike lane along Ella Blvd. north of Rankin Rd. and to the south of W. Greens Rd.	Proposed bike lane in Houston Bike Plan
3	Long-Term	Connect	Develop a bike lane along Rankin Rd. between Spears-Green Rd. and IH-45	Proposed bike lane in Houston Bike Plan
4	Long-Term	Connect	Develop a bike lane along Spears-Green Rd. between Rushcreek Dr. and Gears Rd.	
5	Long-Term	Connect	Complete the bike lane connection on Ella Blvd. and provide safe crossing and access to Greens Bayou	
6	Long-Term	Connect	Develop on-street bike lanes along Northborough Dr., connecting to Greens Pkwy.	Proposed bike lane in Houston Bike Plan
7	Short-Term	Connect	Provide Bayou trail connection under IH-45 to connect the east and west side of the Bayou	Current Project pursued by NHD
8	Mid-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to build a new SPARK Park at Plummer Middle School and the southeast property at the intersection of Greens Rd. and Spears-Gears Rd.	
9	Mid-Term	Connect	Establish new trails to connect the Green Oak subdivision to Davis High School, Plummer Middle School, Spencer Elementary School, and Greens Bayou	
10	Mid-Term	Activate	Coordinate with Harris County and local school districts to activate parcels into new parks and open space	
11	Mid-Term	Activate	Repurpose North Houston District parcels along Greens Bayou into parks and open space	
12	Long-Term	Connect	Develop on-street bike lanes along W. Greens Rd. between Ella Blvd and IH-45	Proposed bike lane in Houston Bike Plan
13	Short-Term	Connect	Provide safe connections to Greens Bayou at Ella Blvd.	
14	Long-Term	Connect	Develop on-street bike lanes along Greens Crossing Blvd. from W. Greens Rd. to Beltway 8	Proposed bike lane in Houston Bike Plan
NE	Long-Term	Connect	Complete safe pedestrian and bike connections to the Northeast Quadrant at Rankin Rd. and W. Greens Rd.	
SW	Long-Term	Connect	Complete safe pedestrian and bike connections to the Southwest Quadrant at Ella Blvd. and Greens Crossing Blvd.	

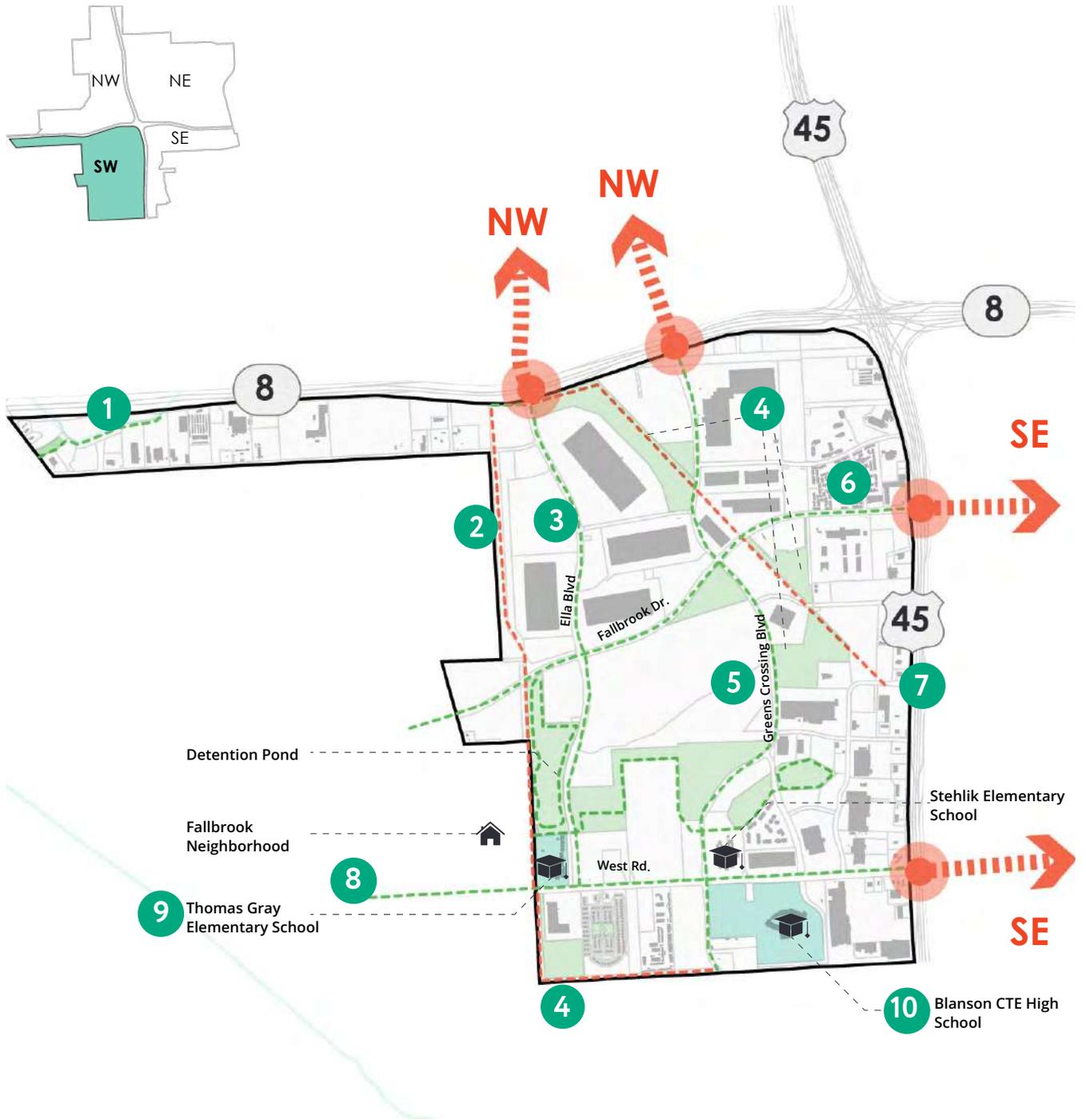
NE QUADRANT RECOMMENDATIONS



Existing Park	Existing Bike Lane	Community/Neighborhood
Potential Park/Green Space	Planned Bike Lane	School
Existing SPARK Park	Easement	Potential Crossings (Street Scale)
Potential SPARK Park	NHD Current Pursuits	Potential Crossings (Trail Scale)
Existing Trail	Recommendations	
Planned Trail		

#	Priority	Goal	Recommendation	Notes
1	Long-Term	Connect	Develop new trails on existing easements to create trail connections from Rankin Rd.	
2	Long-Term	Connect	Create new trails along the northern and eastern boundary of the NE Quadrant to establish connections between schools and residential subdivisions within and adjacent to the NE Quadrant	
3	Long-Term	Activate	Coordinate with Harris County MUD No. 96 to activate new parks and open space	
4	Mid-Term	Activate	Coordinate with Spring Independent School District and SPARK Park to build a new SPARK Park at Cooper Elementary School	
5	Mid-Term	Connect	Provide safe trail connections to Greens Bayou at IH-45, Greens Road, and Imperial Valley Drive.	Current project pursued by NHD
6	Short-Term	Activate	Partner with the Harris County Flood Control District (HCFCD) to activate the Glen Forest Detention Basin with new parks, trails and open space.	
7	Short-Term	Connect	Develop sidewalks along Imperial Valley Drive extending north from Greens Road.	Current project pursued by NHD
8	Short-Term	Connect	Extend trails to the east to W. Hardy Road to improve trail circulation in the quadrant.	Current project pursued by NHD
9	Long-Term	Activate	Coordinate the expansion of Ida Gaye Gardens with parcel owners to the east of the park.	
10	Long-Term	Connect	Develop on-street bike lanes along Greens Rd.	Proposed bike lane in Houston bike Plan
11	Long-Term	Connect	Develop on-street bike lanes along Greenspoint Dr. extending south from Greens Bayou	Proposed bike lane in Houston bike Plan
12	Mid-Term	Activate	Expand and connect Wussow Park to the City of Houston Waste Water Treatment Plant property	
13	Mid-Term	Activate	Develop NHD owned property at 16825 North chase Dr. as new sport amenity park	
14	Short-Term	Activate	Continue to advance the future Central Park concept as a storm water amenity	
15	Mid-Term	Activate	Establish partnerships with Greenspoint Plaza to repurpose land for parks and open space uses	
16	Mid-Term	Connect	Develop new trails on existing easements to create trail and bike network connectivity	
17	Mid-Term	Connect	Develop a Jack Drake Natural Recreation Center at the detention facility west of the park	
18	Mid-Term	Connect	Develop on-street bike lanes along Benmar Dr. extending east from Greenspoint Dr.	Proposed by METRO
NW	Long-Term	Connect	Complete safe pedestrian and bike connections to the Northwest Quadrant at Rankin Rd. and W. Greens Rd.	
SE	Long-Term	Connect	Complete safe pedestrian and bike connections to the Southeast Quadrant at Greenspoint Dr. and Imperial Valley Dr.	

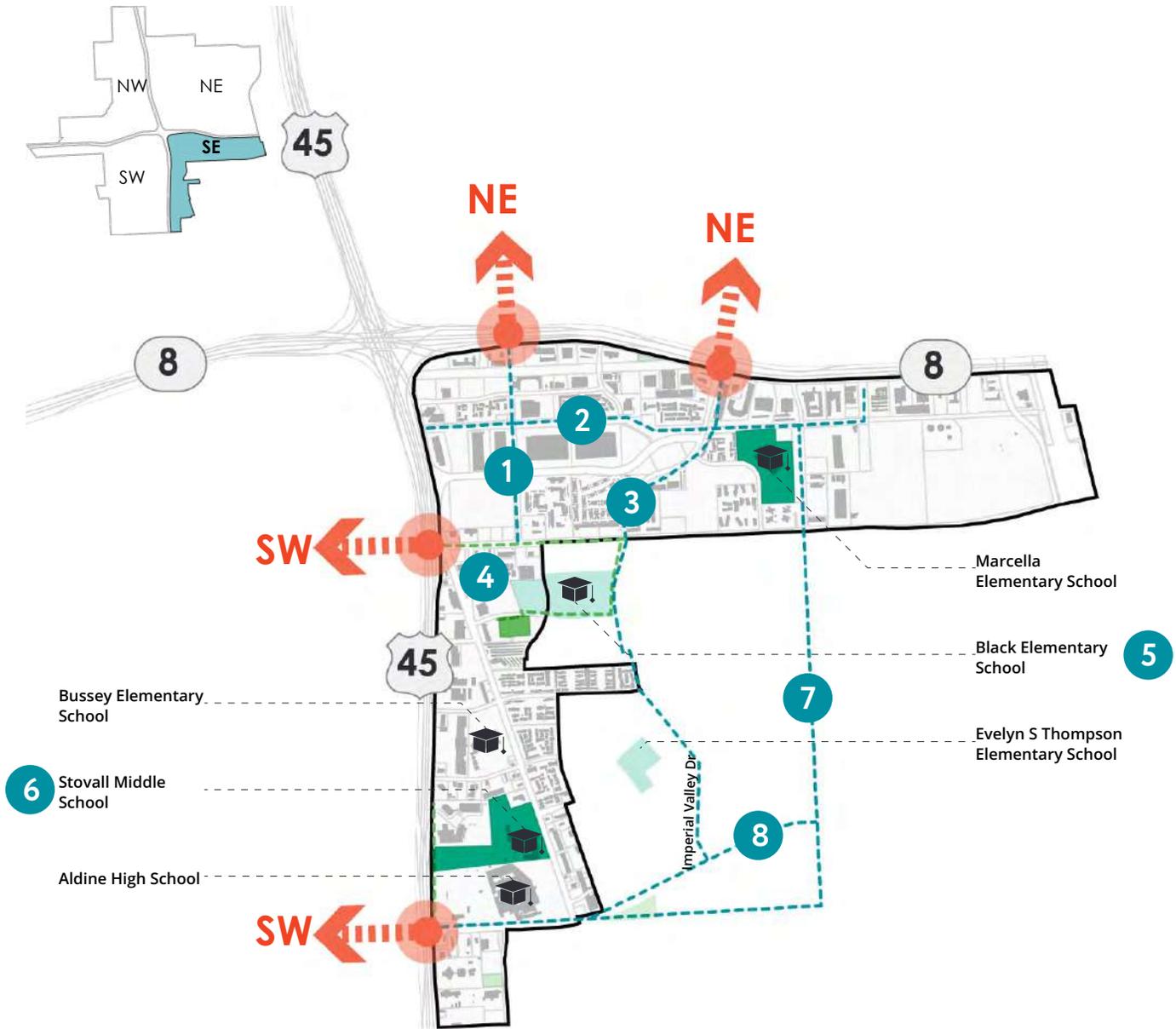
SW QUADRANT RECOMMENDATIONS



	Existing Park		Existing Bike Lane		Community/Neighborhood
	Potential Park/Green Space		Planned Bike Lane		School
	Existing SPARK Park		Easement		Potential Crossings (Street Scale)
	Potential SPARK Park		NHD Current Pursuits		Potential Crossings (Trail Scale)
	Existing Trail		Recommendations		
	Planned Trail				

#	Priority	Goal	Recommendations	Notes
1	Long-Term	Connect	Complete trail connections to the NW Quadrant	
2	Mid-Term	Connect	Utilize existing easements to create a trail along the western edge and southern portions of the quadrant to connect Pinto Business Park, new parks and open spaces, residential subdivisions, and schools	
3	Long-Term	Connect	Extend the bike lane plans for Ella Blvd. to improve connectivity and cycling options for residents, visitors, and workers in the SW Quadrant	
4	Mid-Term	Activate	Coordinate with Harris County MUD No 406 and MUD No 321 to develop new parks and open space	
5	Long-Term	Connect	Develop bike lanes along Greens Crossing Rd. between Beltway 8 and the southern boundary of the SW Quadrant	
6	Long-Term	Connect	Develop bike lanes along Fallbrook Dr. between IH-45 and the western boundary of the SW Quadrant	
7	Long-Term	Connect	Develop existing easements into trails along the eastern boundary of Pinto Business Park	
8	Long-Term	Connect	Add pedestrian and bike paths along West Rd. to improve mobility in this quadrant	
9	Short-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to build a new SPARK Park at Thomas Gray Elementary School	
10	Long-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to build a new SPARK Park at Blanson CTE High School	
NW	Long-Term	Connect	Complete safe pedestrian and bike connections to the Northwest Quadrant at Ella Blvd. and Greens Crossing Blvd.	
SE	Long-Term	Connect	Complete safe pedestrian and bike connections to the Southeast Quadrant at Fallbrook Dr. and West Rd.	

SE QUADRANT RECOMMENDATIONS



Bussey Elementary School

Marcella Elementary School

Black Elementary School

Evelyn S Thompson Elementary School

Stovall Middle School

Aldine High School

Imperial Valley Dr



Existing Park	Existing Bike Lane	Community/Neighborhood
Potential Park/Green Space	Planned Bike Lane	School
Existing SPARK Park	Easement	Potential Crossings (Street Scale)
Potential SPARK Park	NHD Current Pursuits	Potential Crossings (Trail Scale)
Existing Trail	Recommendations	
Planned Trail		

#	Priority	Goal	Recommendations	Notes
1	Long-Term	Connect	Develop a dedicated on-street bike lane along Greenspoint Rd. from Beltway 8 to Aldine Bender Rd.	Proposed bike lane in Houston Bike Plan
2	Long-Term	Connect	Develop an off-street bikeway along existing drainage easement from IH-45 towards the eastern boundary of the quadrant	Proposed bike lane in Houston Bike Plan
3	Long-Term	Connect	Develop a dedicated on-street bike lane along Imperial Valley Dr. from Beltway 8 to West Rd.	Proposed bike lane in Houston Bike Plan
4	Long-Term	Connect	Work with TxDOT to improve pedestrian and bicycle facilities along Aldine Bender	
5	Mid-Term	Activate	Coordinate with Aldine Independent School District (AISD) to develop a new park at the property located west of Black Elementary School	
6	Short-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to enhance current SPARK park at Stovall Middle School	
7	Long-Term	Connect	Coordinate with the Harris County Flood Control District and the City of Houston to develop a off-street bikeway along the drainage easement	Proposed bike lane in Houston Bike Plan
8	Long-Term	Connect	Develop a dedicated off-street bike lane along West Rd. from IH-45 to Airline Dr.	Proposed bike lane in Houston Bike Plan
NE	Long-Term	Connect	Complete safe pedestrian and bike connections to the Northeast Quadrant at Greenspoint Dr. and Imperial Valley Dr.	
SW	Long-Term	Connect	Complete safe pedestrian and bike connections to the Southwest Quadrant at Aldine Bender Rd. and West Rd.	

BAYOU-SCALE

OVERVIEW

CREATE A COHESIVE NETWORK

Much of the North Houston District's parks and open spaces are united by Greens Bayou, which traverses the district flowing west to east. Parks and recreation along the Bayou not only provides new recreational options for residents, but also builds resilience and reduces community risk to flooding. To better connect people to the Bayou, the plan focuses on three components, guided by the goals to **Connect** and **Unify**.

Connect both sides of the Bayou by developing bike and hike trails along the northern and southern sides of the Bayou to maximize connectivity and access.

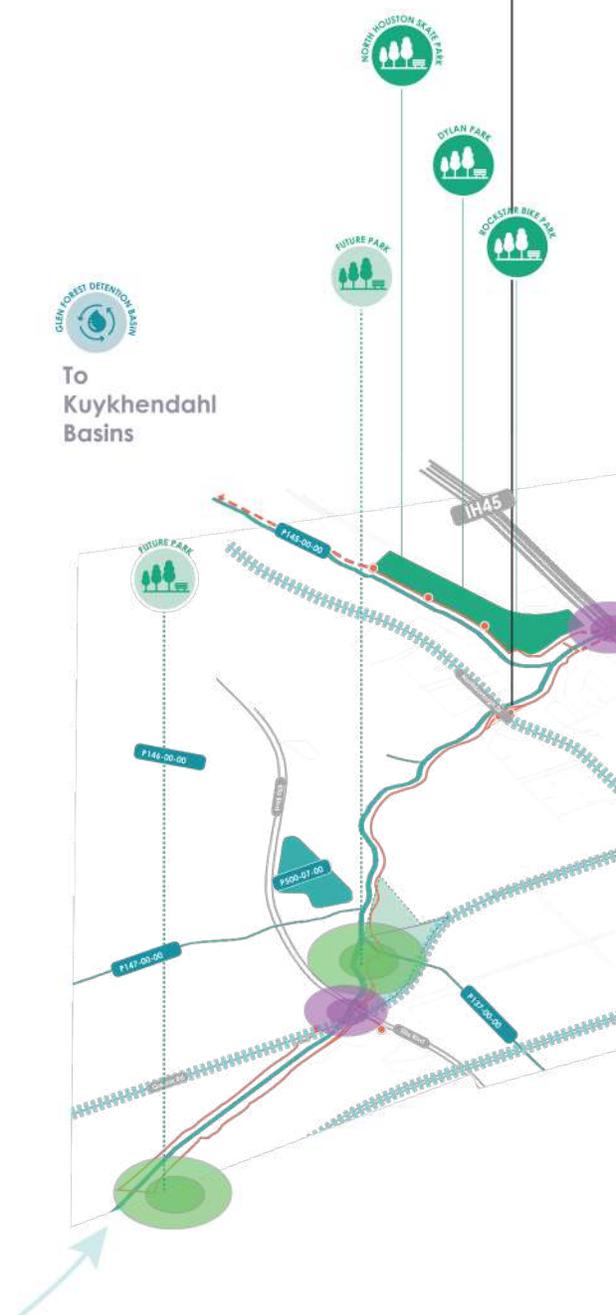
Bayou Recreation focuses on leveraging existing parks alongside potential green spaces to create a rich blend of passive and active recreation opportunities.

Bayou Stories integrates art, nature, community history and climate through public spaces to share stories of the community, the Bayou, and the District.

Greenway Amenities unifies the Bayou to parks and opens spaces through branding, comfort elements, and placemaking strategies to establish a cohesive system.



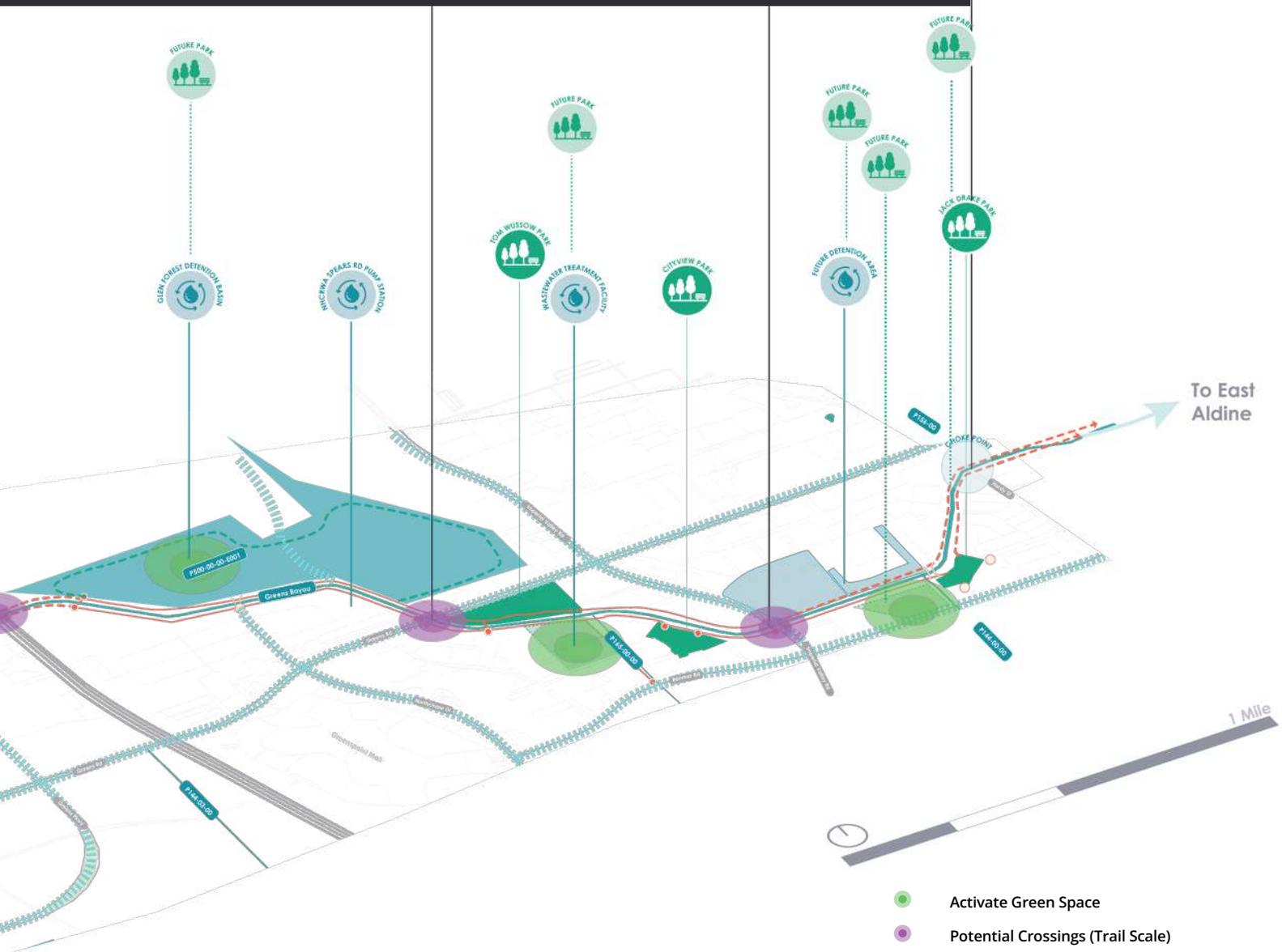
Greens Bayou - West



East/West Connector

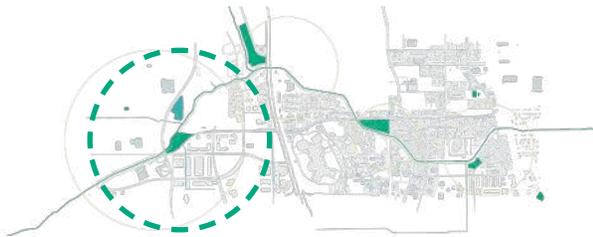
Wussow to City View

Greens Bayou - East



GREENS BAYOU WEST

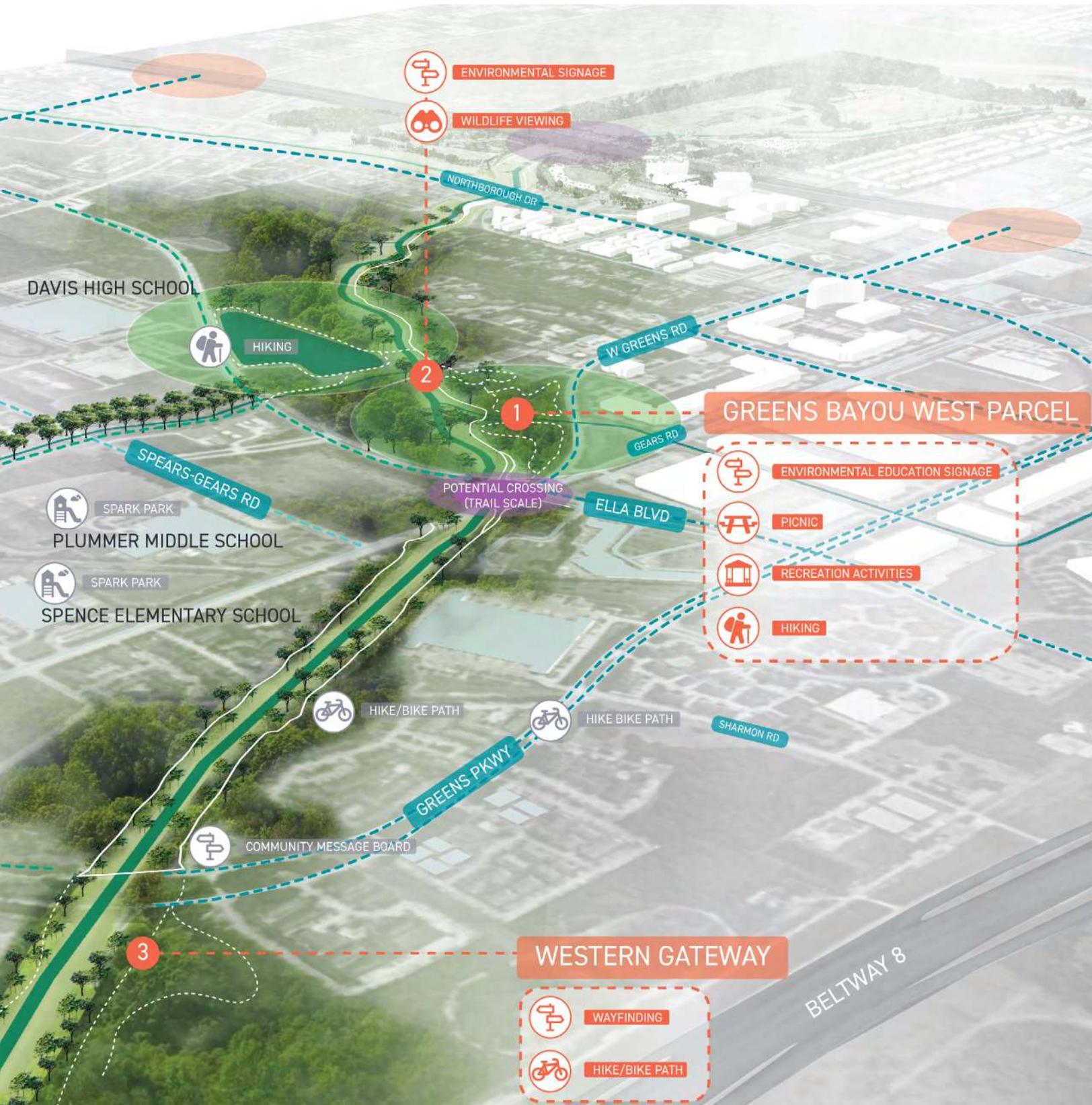
The western end of Greens Bayou acts as the gateway into the North Houston District to visitors coming from northwest Houston and Harris County. Future parks and trail users can navigate along Greens Bayou into the North Houston District through a central nature corridor with tree canopies, with stops to enjoy newly activated green spaces.



GREENS BAYOU - WEST RECOMMENDATIONS

- 1 Develop the District's property at Greens Rd. and Ella Blvd.
- 2 Create a central nature corridor and tree canopy
- 3 Develop District markers at western terminus





DAVIS HIGH SCHOOL



HIKING

2

1

GREENS BAYOU WEST PARCEL



ENVIRONMENTAL SIGNAGE



PICNIC



RECREATION ACTIVITIES



HIKING



SPARK PARK

PLUMMER MIDDLE SCHOOL



SPARK PARK

SPENCE ELEMENTARY SCHOOL

POTENTIAL CROSSING
(TRAIL SCALE)



HIKE/BIKE PATH



HIKE BIKE PATH



COMMUNITY MESSAGE BOARD

3

WESTERN GATEWAY



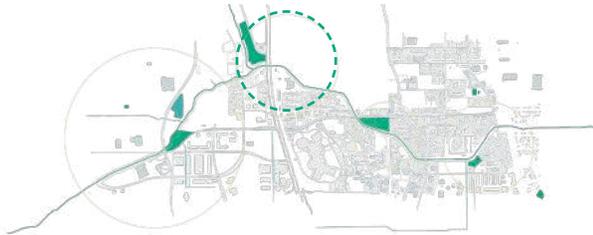
WAYFINDING



HIKE/BIKE PATH

GREENS BAYOU EAST/WEST CONNECTOR

IH-45 currently demarcates the quadrant boundaries, but also imposes barriers to connect the quadrants. The east/west connector will unite the existing trails on the east and west sides and increase access to existing parks such as Rockstar Bike Park, North Houston Skate Park and Thomas R. Wussow Park. It will open up other opportunities to make regional and neighborhood connections to Greens Bayou and the District's parks located along the Bayou.



GREENS BAYOU - EAST/ WEST CONNECTOR RECOMMENDATIONS

- 1 IH-45 East/West Trail Connection
- 2 Glen Forest Detention Basin Activation
- 3 Greenspoint Dr. Neighborhood Access
- 4 Future Regional Connections





TRAIL CONNECTION

 HIKE/BIKE PATH

 CONNECTION

GLEN FOREST DETENTION BASIN

 ENVIRONMENTAL EDUCATION SIGNAGE

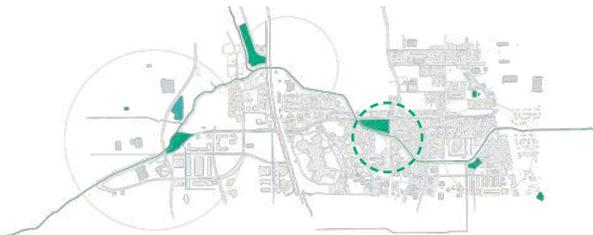
 HIKE/BIKE PATH

 WILDLIFE VIEWING

GREENS BAYOU WUSSOW PARK TO CITY VIEW PARK

Wussow Park and City View Park improvements can build upon and expand the character and story of Greens Bayou and the District. Partnering with the City of Houston and others, the District can explore the development of new green spaces and connections.

Expansion, update, and activation are key methods to address these goals. Repurposing easements into trails and a wastewater treatment plant into a new park, as well as engaging people with art will build a strong identity to the place and to the water.



GREENS BAYOU - WUSSOW TO CITY VIEW RECOMMENDATIONS

- 1 Active recreation at Wussow Park and Wastewater Treatment Plant Expansion
- 2 Develop easement trail to Benmar Green Finger
- 3 Update City View Park to build on Bayou story-telling and supporting the water narrative
- 4 Build off placemaking and art activation at Imperial Valley Dr.

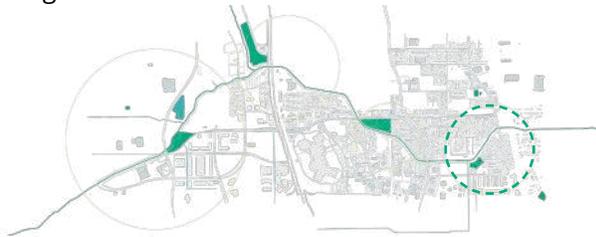




GREENS BAYOU EAST

The eastern terminus of Greens Bayou within the District houses the future Central Park, Jack Drake Natural Recreation Center, and more trails before it travels towards East Aldine, Cloverleaf, and to Buffalo Bayou.

Continuation of the Harris County Flood Control District's home buyouts along Greens Bayou will pave the way for the development of the future Central Park. In addition to the development of the Jack Drake Natural Recreation Center, the future Central Park will play a role in ensuring resiliency and sustainability in the District. This portion of the Bayou can also create additional trail connections along the Bayou and on existing easements.



GREENS BAYOU - EAST RECOMMENDATIONS

- 1 Continue to advance the future Central Park concept as a storm water amenity
- 2 Develop a Jack Drake Natural Recreation Center at the detention facility
- 3 Complete trails system and create a regional trail connection to East Aldine
- 4 Utilize the trail easement to connect to Beltway 8





THOMAS R. WUSSOW PARK

Thomas R. Wussow Park is an 11-acre community park located between Greens Road to the north and Greens Bayou to the south. Completed in 2003, the park is named after one of the District's founders and current Board Members, Thomas R. Wussow. It serves as the District's central community park, offering various recreational amenities.

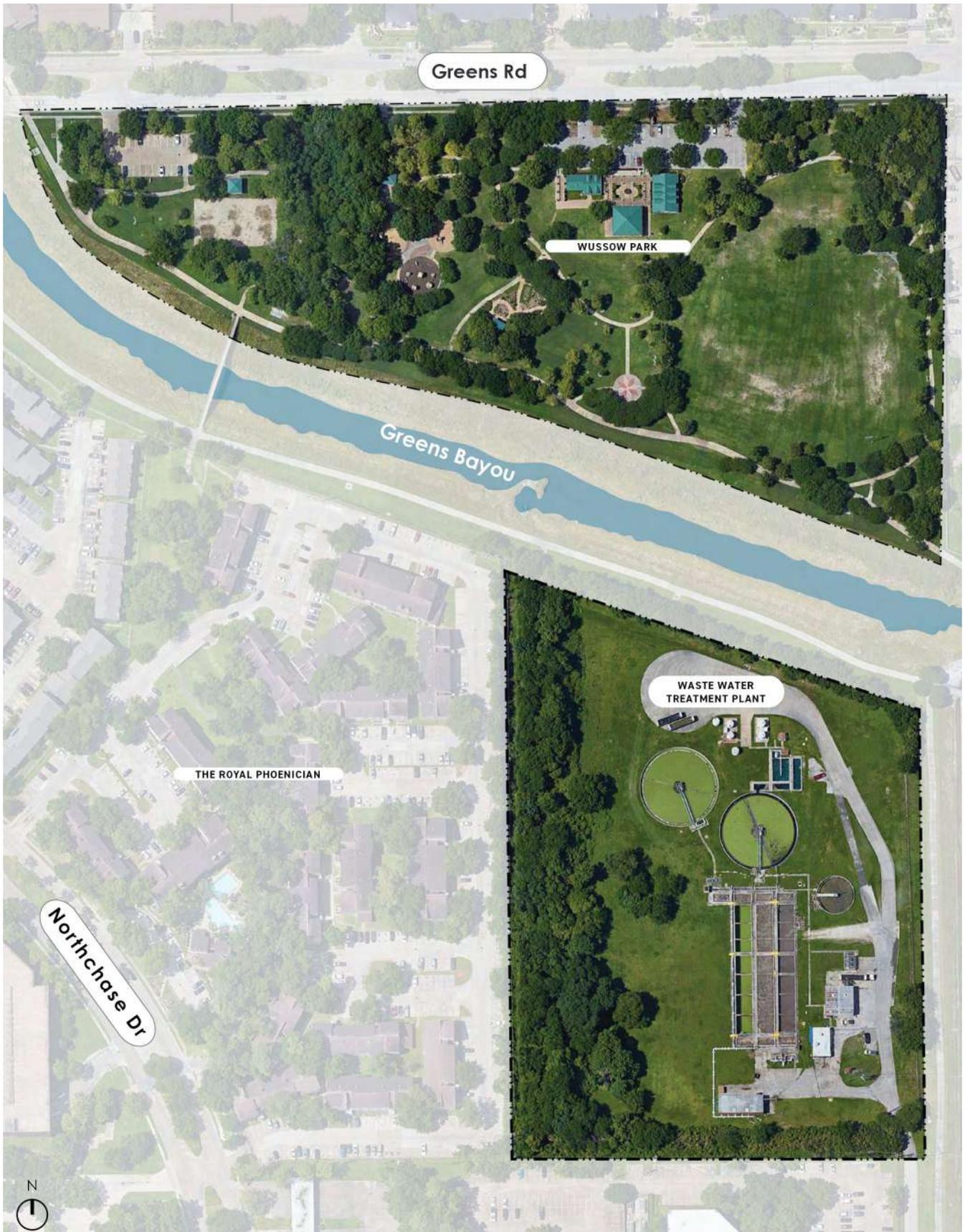
Wussow Park is a popular destination for families and individuals looking for outdoor recreational activities. The park's location near Greens Bayou makes it an ideal spot for birdwatching and nature walks. The walking trail provides a scenic route for walking, jogging, or biking. The playground area is a hit with kids and offers a safe and fun environment for them to play.

Overall, Wussow Park provides a beautiful and well-maintained green space for residents to enjoy, serving as a great addition to the community.

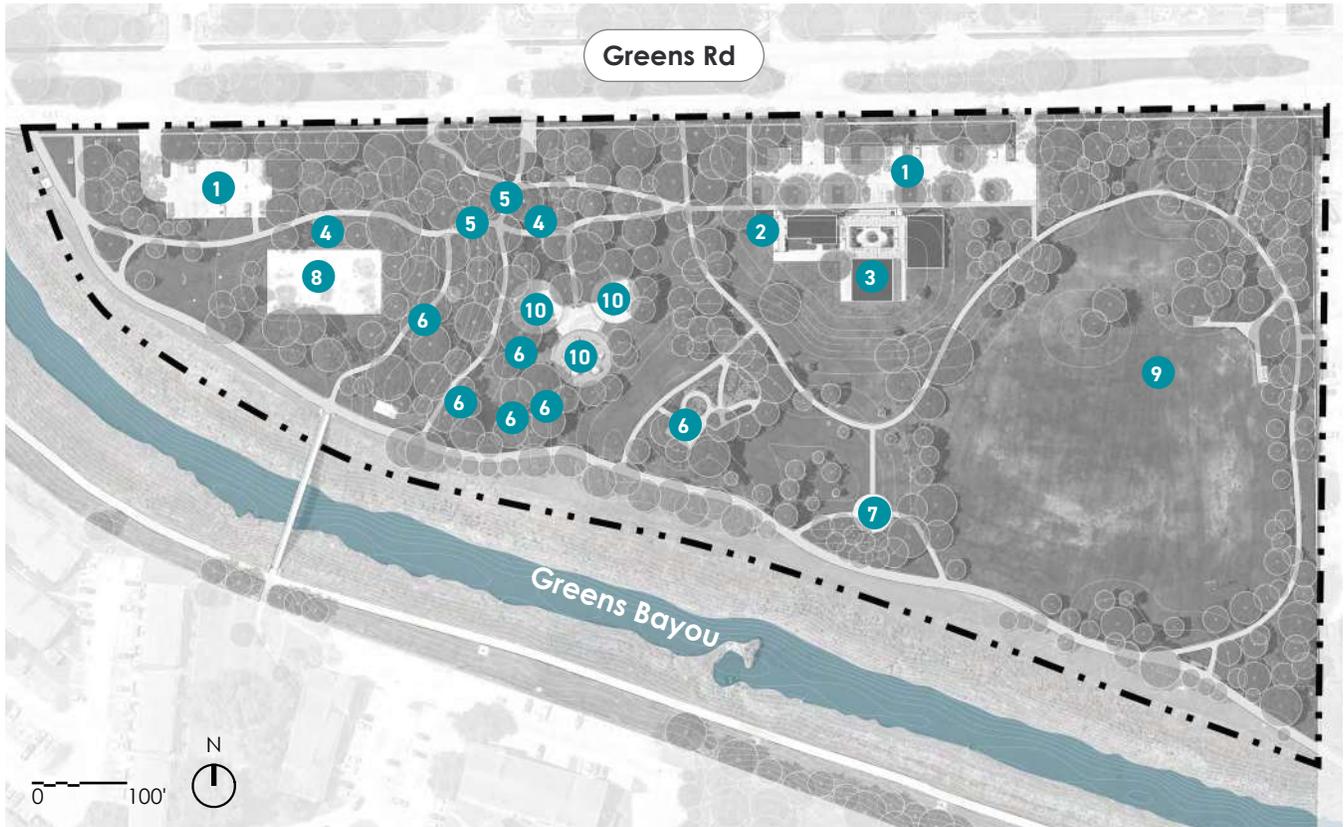
South of Wussow Park, across Greens Bayou, an existing Waste Water Treatment Plant (WWTP) site presents a new opportunity for potential new park expansion. The City of Houston Public Works is converting the WWTP's infrastructure into a lift station.



Greens Bayou Trail at Wussow Park



EXISTING AMENITY DIAGRAM



Wussow Park offers several amenities for visitors, including a playground for children, spacious covered pavilions with picnic tables, a multi-purpose athletic field that can be used for various sports such as soccer and baseball, and a walking trail. Additionally, the park has restroom facilities and plenty of parking space for visitors.

LEGEND

-  Study Area
-  Bayou



1 Parking Lot



2 Restroom



3 Large Pavillion



4 Pavillion



5 Pedestrian Bridge



6 Picnic Table



7 Plaza



8 Sand Volleyball Court

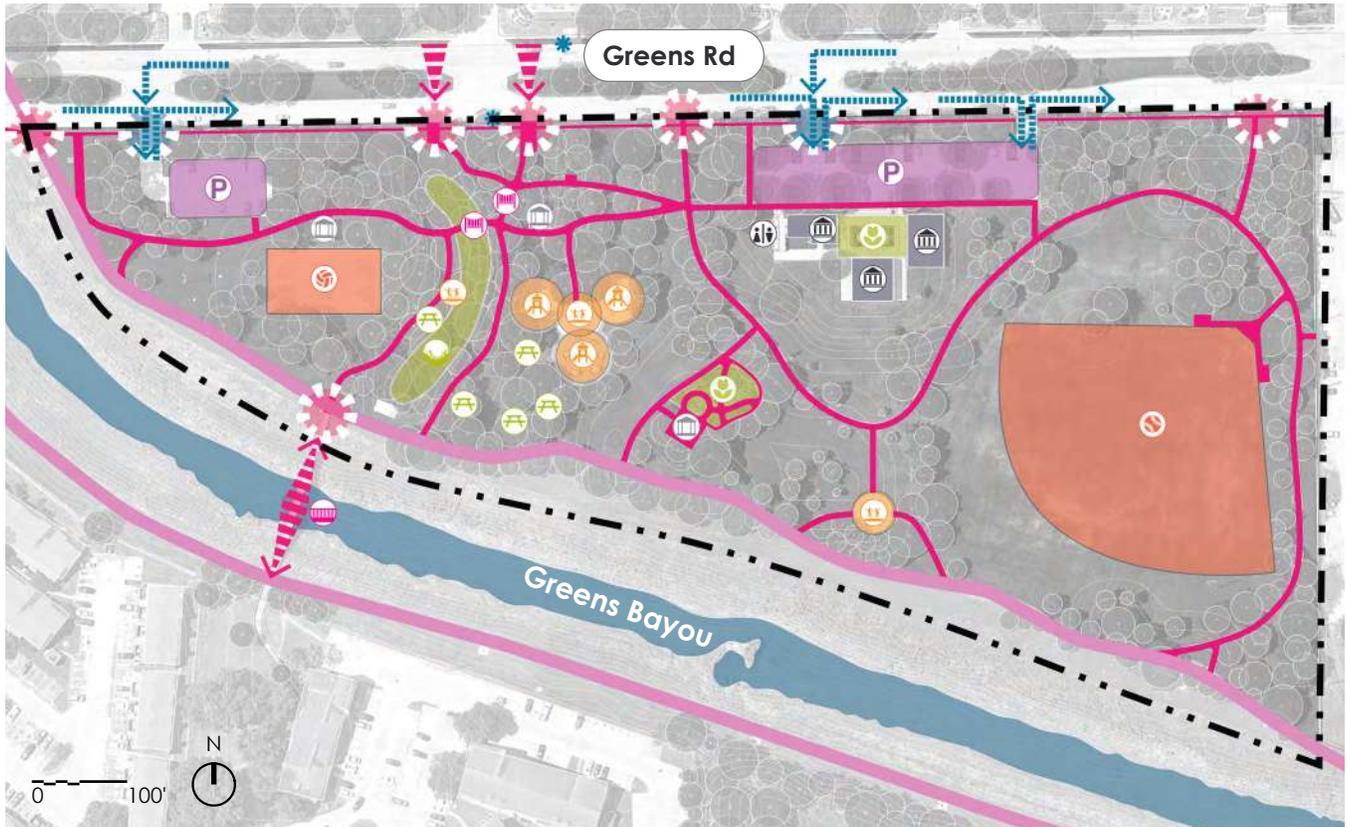


9 Multipurpose Field



10 Playground

EXISTING CIRCULATION & PROGRAMMING ANALYSIS

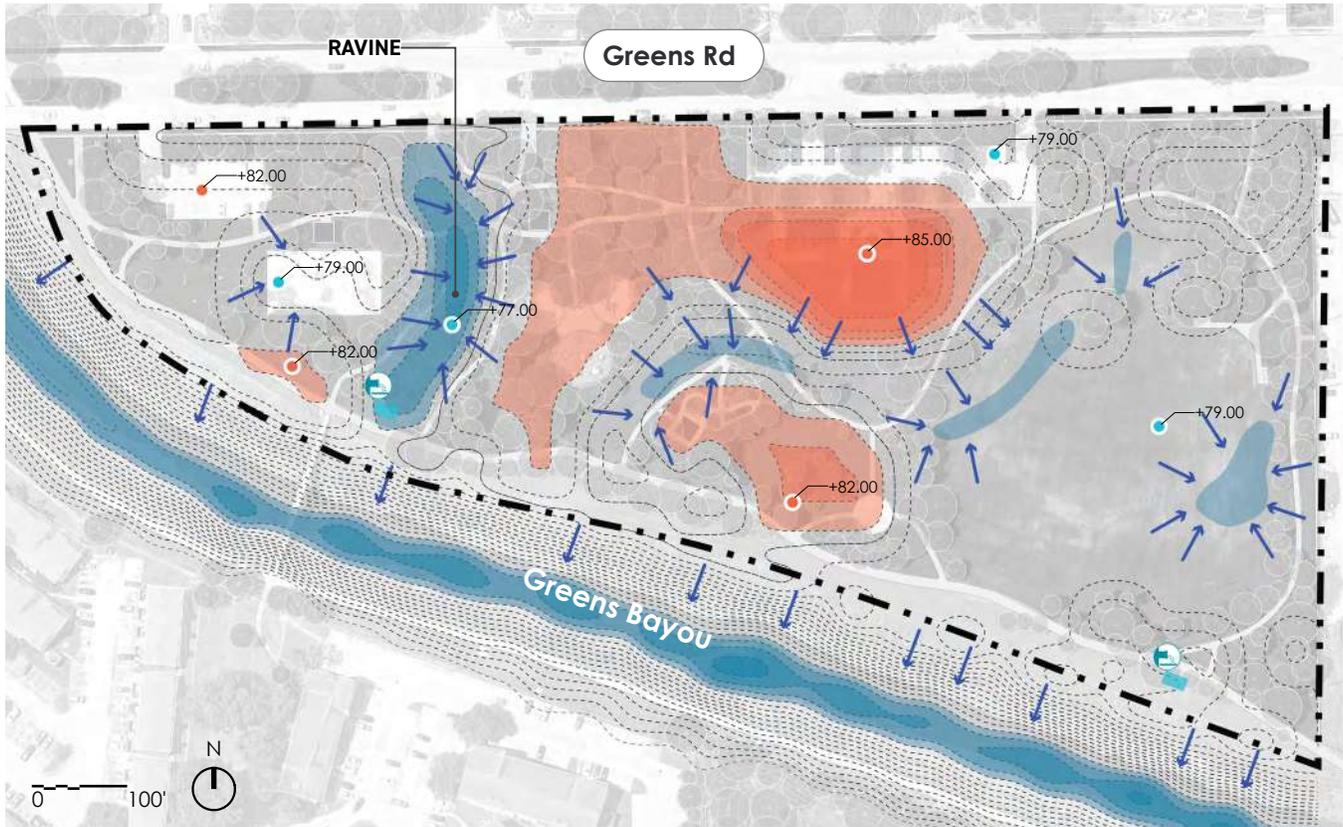


Wusow Park is one of the most active parks in North Houston District. Its location within one of the District's densest areas make it an easily accessible park, with its open perimeter along the northern, western, and southern edges, and its comfortable sidewalks and trails.

Although most people walk to the park, vehicular access and both of its parking areas are located along Greens Road to the north. There are currently 63 parking spots, including 2 ADA designated parking stalls. Pedestrians may access the park from both its northern edge along Greens Road and its southern edge along the Greens Bayou Trail. The latter allows visitors to connect to other parks, such as City View Park and Jack Drake Park to the east. A pedestrian bridge over the Bayou allows people, such as residents from the residential areas to the south, to access the park.

Service	2 Parking Lots (63 spots)	LEGEND	Study Area
Structure	1 Restroom 2 Park Admin Buildings 4 Pavilion		Bayou Park Internal Paths Greens Bayou Trail
Experience	1 Ravine 2 Garden 5 Picnic Table	Park Pedestrian Entrance Vehicular Entrance Bus Stop	Crosswalk Traffic Flow
Recreation	3 Plaza 3 Playground		
Exercise	1 Multipurpose Field 3 Volleyball Court		
Bridge	1 Pedestrian Bridge 3 Bayou Bridge		

EXISTING TOPOGRAPHY & SURFACE RUNOFF ANALYSIS



Most areas in Wussow Park are relatively flat in nature with the exception of the area where the buildings are located which is the highest point in the site and a ravine located to the west of the playground area which is the lowest area on the site. The buildings are located on a berm area which require steps and an accessible ramp to the north edge, adjacent to the eastern parking lot. To the south this berm serves as a natural sloped seating area looking towards Greens Bayou.

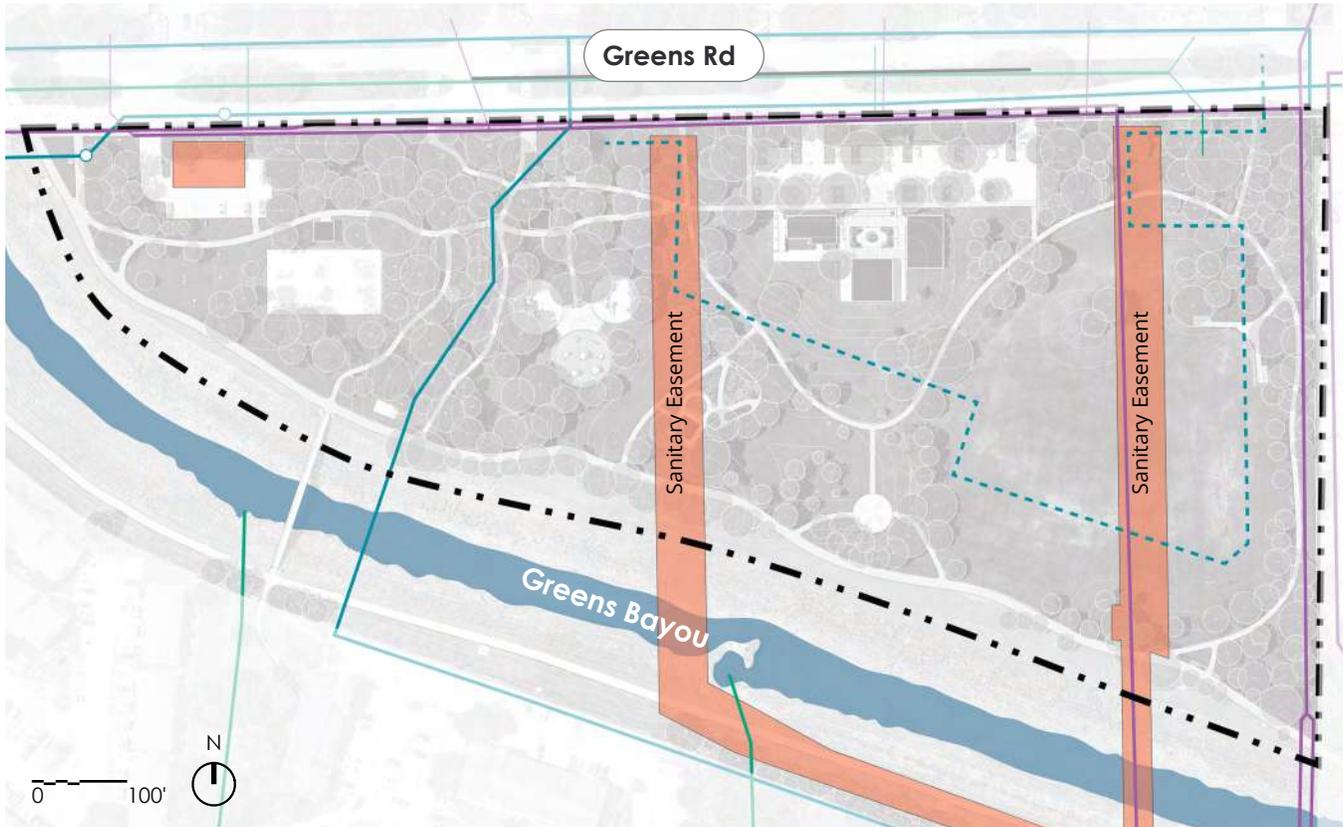
At present, Wussow Park is entirely situated in the Greens Bayou floodway, and its location falls under the 100-year flood elevation. Therefore, the primary structures are situated closer to Greens Road and at a higher elevation than other parts of the site. The site's drainage system is designed to discharge water into the Bayou at two locations on the southwest and southeast sides of the property, as illustrated in the diagram above.

After conducting an analysis of the park's elevation and slope, it has been identified that certain areas are experiencing ponding water.

LEGEND

-  Study Area
-  Contour Line
-  High Area
-  Low Area
-  High Point
-  Low Point
-  Outfalls
-  Water Flow

EXISTING UTILITIES ANALYSIS



This analysis focuses on underground utilities and easements that could potentially impact location of new amenities and recommendations for Wussow Park improvements. Potable water utility main lines are found running east/west along Greens Road and run north/south parallel to the ravine to the west of the playground.

There are two sanitary easements that run north/south. The easternmost easement runs through the center of the multipurpose field. The second easement is located between the existing buildings and the playground. These two easements are factors to be considered when locating new amenities. Improvements within these easements would be limited to non structural elements such as lawn or planting areas without trees.

LEGEND

- Study Area
- Bayou
- Sanitary Easement
- Drinking Water Mains
- Abandoned Water Utilities
- Wastewater Utilities
- Storm Drainage Utilities
- Manhole



RECOMMENDATIONS PROCESS

Formulating recommendations involved the development of a design scheme with the following steps:

1. **Observation:** Conduct on-site observations to gain an understanding of the context and identify any constraints or opportunities that may impact the design scheme.

2. **Stakeholder Engagement:** Engage and gather feedback on current park needs from stakeholders.

3. **Generation and Refinement of Design Concepts:** Using the insights gained from the previous steps, generate initial design concepts then selected up to four design schemes to develop further.

STAKEHOLDER MEETING 2



NEW PROGRAMMING	OPTION 1		OPTION 2		OPTION 3	
	TWP	TWPA	TWP	TWPA	TWP	TWPA
Entry Sign	█		█		█	
Event Lawn +Stage	█		█		█	
Large Picnic Pavilion	█		█		█	
Picnic Pavilion	█	█		█	█	█
Outdoor Gym/Airnasium	█		█		█	
Restroom		█	█	█	█	█
Basketball Courts		█		█		█
Professional Soccer Field		█		█		█
Soccer Field			█		█	
Mini Soccer Court					█	
Pickle Ball Court					█	
Playground				█		█
Parking Expansion		█		█	█	█
Bike Rack				█		█

4. Presentation of Final Scheme: Present the refined design schemes to stakeholders for feedback, with the design team further refining the design schemes to address concerns or issues raised by stakeholders, including incorporating new ideas or modifying existing elements of the design.

5. Feedback and Approval: Select priority concepts based on stakeholder input, then approach park users to gather feedback on the priority concepts. To understand user opinions on the proposed concepts, request users to identify their preferred concepts and provide overall feedback. Then, analyze the resulting feedback to understand user attitudes towards the proposed plan. This requires identifying key themes or areas of concern raised by the users.



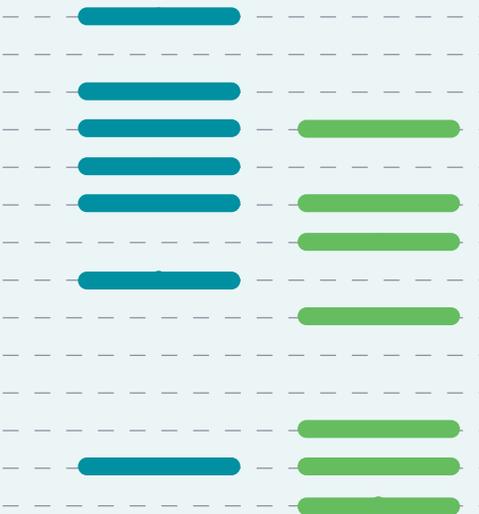
POP UP 2



OPTION 4

TWP

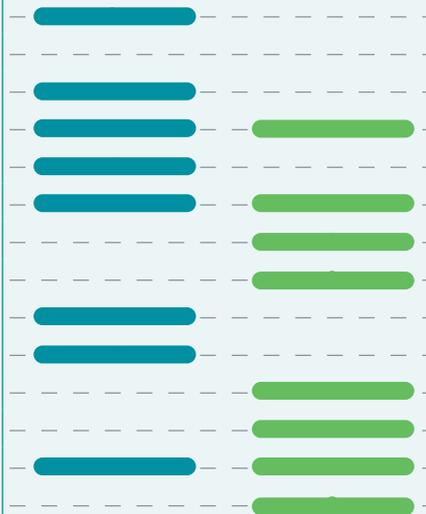
TWPA



OPTION 5

TWP

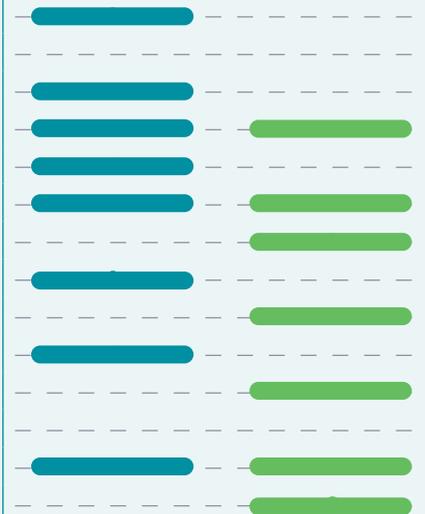
TWPA



OPTION 6

TWP

TWPA



RECOMMENDED CONCEPT

The proposed design concept aims to enhance the quality of life of nearby residents by providing more opportunities for leisure and recreation in a safe and welcoming environment. The key design elements include:

- 1. More Sports Facilities:** Based on the feedback received from previous events and engagement, the design concept incorporates the addition of more sports facilities such as basketball courts, soccer fields, and pickleball courts. These facilities will provide opportunities for physical activity and meets the residents needs of exercise.
- 2. Extended Parking Space:** Existing parking spaces are extended and new parking lots are built on the new park land to accommodate the growing number of visitors to the park. This will ensure easier access and enhance the overall park experience.
- 3. Additional Playground:** The proposed design incorporates a playground to meet the public desire for a dedicated play area for children. The playground will be equipped with a variety of play equipment that caters to different age groups and abilities.

- 4. New Bridge:** The bridge will provide new and improved access to the newly added park area and across Greens Bayou.
- 5. New Trail:** Carefully considered trails in new park land provides access to facilities and a meandering walking experience under the trees.
- 6. Picnic Area Pavilions:** Located along the trail, serve as great spots for picnics and observing games or children's activities.
- 7. More Lighting:** More lighting will be added to the park and illuminate the sports courts to improve safety and enhance the usability of the park.

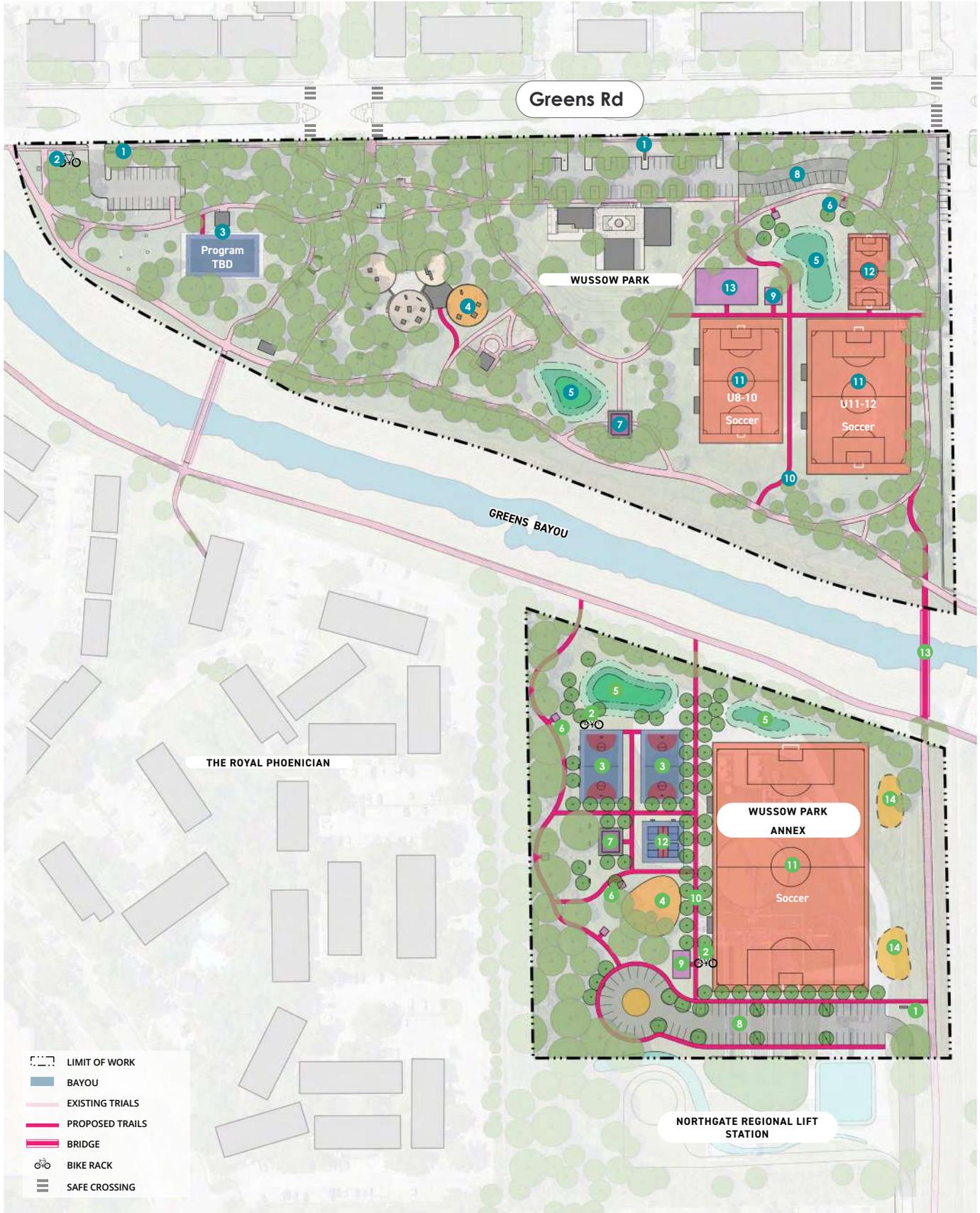
PROGRAM

WUSSOW PARK

- | | |
|-------------------------|----------------------|
| 1 ENTRY SIGN | 8 PARKING EXPANSION |
| 2 BIKE RACK | 9 RESTROOM |
| 3 USE TBD | 10 IMPROVED TRAILS |
| 4 PLAYGROUND EXPANSION | 11 SOCCER FIELD |
| 5 DETENTION | 12 MINI SOCCER COURT |
| 6 PICNIC PAVILION | 13 AIRNASIUM |
| 7 LARGE PICNIC PAVILION | |

WUSSOW PARK ANNEX

- | | |
|-------------------------|----------------------|
| 1 MONUMENT ENTRY SIGN | 8 PARKING |
| 2 BIKE RACK | 9 RESTROOM |
| 3 BASKETBALL COURT | 10 TRAILS |
| 4 PLAYGROUND | 11 SOCCER FIELD |
| 5 DETENTION | 12 PICKLEBALL COURTS |
| 6 PICNIC PAVILION | 13 PEDESTRIAN BRIDGE |
| 7 LARGE PICNIC PAVILION | 14 MEADOW |

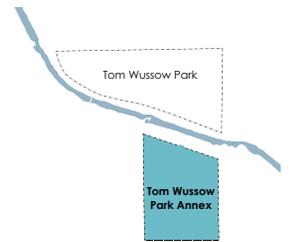


OPINION OF PROBABLE COST

WUSSOW PARK



Item	Quantity	Unit	Unit Cost	Extension
Site Improvements				
Tree Protection and Removal	1	LS	\$ 100,000.00	\$ 100,000.00
Site Development	1	LS	\$ 479,966.00	\$ 479,966.00
Site Improvements Sub-Total				\$ 579,966.00
Hardscape				
Entry Sign	1	EA	\$ 5,000.00	\$ 5,000.00
Improve Existing Monument Sign	1	EA	\$ 15,000.00	\$ 15,000.00
Concrete Paving-Mini Soccer Court	6,600	SF	\$ 8.00	\$ 52,800.00
Concrete Paving-Trail	1,200	LF	\$ 48.00	\$ 57,600.00
Concrete Paving-Pad	2,600	SF	\$ 8.00	\$ 20,800.00
Airnasium Structure - Open, No A/C	1	EA	\$ 600,000.00	\$ 600,000.00
Playground Additions/Upgrades	1	EA	\$ 100,000.00	\$ 100,000.00
Court w/o lighting	1	EA	\$ 50,000.00	\$ 50,000.00
U8-10 Soccer Field - Turf	1	EA	\$ 10,000.00	\$ 10,000.00
U11-12 Soccer Field - Turf	1	EA	\$ 10,000.00	\$ 10,000.00
Restroom Structure	1	EA	\$ 300,000.00	\$ 300,000.00
Parking Expansion	6,000	SF	\$ 25.00	\$ 150,000.00
Hardscape Sub-Total				\$ 1,371,200.00
Grading /Drainage				
Detention Pond Excavation	1	LS	\$ 120,000.00	\$ 120,000.00
Grading / Drainage Sub-Total				\$ 120,000.00
Planting				
Shade Tree	5	EA	\$ 1,800.00	\$ 9,000.00
Irrigation	1	LS	\$ 25,000.00	\$ 25,000.00
Tree Staking - Lodgepole	5	EA	\$ 46.00	\$ 230.00
Hydroseed for Disturbed Areas	12000	SF	\$ 0.25	\$ 3,000.00
Subtotal Planting				\$ 37,230.00
Site Furnishings				
Bench	10	EA	\$ 2,000.00	\$ 20,000.00
Bleachers	4	EA	\$ 3,000.00	\$ 12,000.00
Litter Receptacles	12	EA	\$ 1,200.00	\$ 14,400.00
Large Picnic Pavilion	1	EA	\$ 150,000.00	\$ 150,000.00
Picnic Pavilions	2	EA	\$ 25,000.00	\$ 50,000.00
Picnic Table	2	EA	\$ 2,000.00	\$ 4,000.00
Bike Rack	1	EA	\$ 1,000.00	\$ 1,000.00
Play Equipment	1	EA	\$ 150,000.00	\$ 150,000.00
Subtotal Site Furnishings				\$ 401,400.00
Lighting/Electrical				
Field Lighting	1	LS	\$ 250,000.00	\$ 250,000.00
Pedestrian Pole Lighting	30	EA	\$ 4,000.00	\$ 120,000.00
Subtotal Lighting				\$ 370,000.00
Combined Subtotal				\$ 2,879,796.00
General Conditions			20%	\$ 575,959.20
Contingency			30%	\$ 863,938.80
Project Total				\$ 4,319,694.00



Wussow Park Annex

Item	Quantity	Unit	Unit Cost	Extension
Site Clearing				
Tree Protection and Removal	1	EA	\$ 100,000.00	\$ 100,000.00
Site Clearing For Trail	18,000	SF	\$ 1.00	\$ 18,000.00
Site Development	1	LS	\$ 776,479.20	\$ 776,479.20
Site Clearing Sub-Total				\$ 894,479.20
Hardscape				
Monument Entry Sign	1	EA	\$ 25,000.00	\$ 25,000.00
Bridge	1	EA	\$ 750,000.00	\$ 750,000.00
Concrete Paving-Trail	3,000	LF	\$ 48.00	\$ 144,000.00
Concrete Paving-Pad	2,600	SF	\$ 8.00	\$ 20,800.00
Play Surface (PIP)	6,000	SF	\$ 35.00	\$ 210,000.00
Pickleball Court	2	EA	\$ 50,000.00	\$ 100,000.00
Basketball Court w/o lighting	2	EA	\$ 50,000.00	\$ 100,000.00
Soccer field	1	EA	\$ 150,000.00	\$ 150,000.00
Restroom Structure	1	EA	\$ 300,000.00	\$ 300,000.00
Parking	30,000	SF	\$ 25.00	\$ 750,000.00
Hardscape Sub-Total				\$ 2,549,800.00
Grading /Drainage				
Detention Pond Excavation	1	LS	\$ 240,000.00	\$ 240,000.00
Grading / Drainage Sub-Total				\$ 240,000.00
Planting				
Shade Tree	76	EA	\$ 850.00	\$ 64,600.00
Hydroseed for Disturbed Areas	170,000	SF	\$ 0.25	\$ 42,500.00
Wildflower Seeding - Hydroseed	4,000	SF	\$ 4.00	\$ 16,000.00
Irrigation	20,000	SF	\$ 2.00	\$ 40,000.00
Tree Staking - Lodgepole	76	EA	\$ 46.00	\$ 3,496.00
Subtotal Planting				\$ 166,596.00
Site Furnishings				
Bench	12	EA	\$ 2,000.00	\$ 24,000.00
Bleachers	2	EA	\$ 4,000.00	\$ 8,000.00
Litter Receptacles	10	EA	\$ 1,200.00	\$ 12,000.00
Large Picnic Pavilions	1	EA	\$ 150,000.00	\$ 150,000.00
Picnic Pavilions	4	EA	\$ 25,000.00	\$ 100,000.00
Picnic Table	16	EA	\$ 2,000.00	\$ 32,000.00
Bike Rack	2	EA	\$ 1,000.00	\$ 2,000.00
Play Equipment	1	EA	\$ 150,000.00	\$ 150,000.00
Subtotal Site Furnishings				\$ 478,000.00
Lighting/Electrical				
Field Light Lighting	1	LS	\$ 250,000.00	\$ 250,000.00
Pedestrian Pole Lighting	20	EA	\$ 4,000.00	\$ 80,000.00
Subtotal Lighting				\$ 330,000.00
				\$ 4,658,875.20
General Conditions			20%	\$ 931,775.04
Contingency			30%	\$ 1,397,662.56
Project Total				\$ 6,988,312.80

DISCLAIMER ON THE OPINION OF PROBABLE CONSTRUCTION COST :

This opinion of probable construction cost is made on the basis of Asakura Robinson's experience and qualifications, and represents Asakura Robinson's best judgment since Asakura Robinson has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining price. We do not guarantee that proposals, bids, or actual construction cost will not vary from opinions of probable construction cost as prepared by Asakura Robinson.

Note: Opinion of cost does not consider design services fees nor escalation costs.

EXISTING PARKS

UPDATES & EXPANSIONS

The goal to **Enhance** aims to strengthen the features of existing parks and trails to meet the District's visions for a unified park system. The parks shown in this section are representative of some of the parks in the District that would benefit from an update.

Updates entail replacing or adding park amenities such as lighting, benches, signage, playgrounds, and sport fields. It also encompasses opportunities to expand existing park boundaries and create new recreational spaces that encourage people's interaction with the Bayou, outdoors, and other natural assets of the District.



IDA GAYE GARDENS

Updates

- Add safe crossings for pedestrians and cyclists at the south of the site.
- Add accessible parking
- Update landscaping throughout the park.

IDA GAYE GARDENS



JACK DRAKE PARK

Detention Pond Expansion

- Expand the park boundaries to the adjacent detention pond to create a Natural Recreation Center.



CITY VIEW PARK

Update

- Update City View Park to build on Bayou story-telling and supporting the water narrative.
- Update landscaping throughout the park.



THOMAS R. WUSSOW PARK

Updates/Master Plan

- Expand the park boundaries south of Greens Bayou to create a new park with basketball courts, pickle ball courts, and new recreational amenities.
- Build a new pedestrian and bike bridge at the southeastern end of the existing park.
- Add soccer fields on the eastern side of the existing park
- Add accessible restrooms in the existing park
- Update the picnic area and amenities in the existing park.
- Update landscaping throughout the park.

JACK DRAKE PARK

CITY VIEW PARK

WUSSOW PARK

GENERAL RECOMMENDATIONS

SIGNAGE AND WAYFINDING

Signage within the North Houston District is imperative to communicate the story of Greens Bayou, the natural diversity of the parks, and amenities available within the park. Current signage varies based on date of installation and the message and intent of the sign.

EXISTING SIGNAGE TYPES

This Master Plan addresses existing signage, the purposes of signage in the North Houston District, and envisions how signage can be updated and serve park visitors of today and the future.

Note: Any standard package developed for the parks should comply with existing City of Houston and Harris County standards.

FUNCTIONAL PARK SIGNAGE

Most of the signage within the North Houston District parks serves the function to indicate park-related identification and operations. The existing signage share the District's theme colors, as well as the same style and layout.

OTHER TYPES OF PARK SIGNAGE

There are some exceptions to the District's standard signage such as at the Skate Park, Rockstar Energy Park and Dylan Park. These parks have a distinct brand and style that is separate from the remainder of the District.

Visual and artistic elements are incorporated into the entry signage for Dylan Park and Buckboard Park, and on the park map for Rockstar Energy Park. Educational signage is also featured in Buckboard Park.



Current park signage at Wussow Park showing park hours and regulations.



Left: Plaque memorializing the establishment of Wussow Park. Right: Educational signage showing butterfly life cycle at Buckboard Park.

SCALES OF PARK SIGNAGE

Signage within the District falls within two categories of scale: pedestrian and vehicular. Pedestrian signage is typically average adult-height and at a font size readable from standing within a few feet of the sign. Vehicular signage is either in monument form or at a larger font to read from the road. There is a lot of opportunity here to expand to users on bikes, and to improve vehicular and pedestrian scale signage at key locations for wayfinding.

ACCESSIBILITY AND INCLUSIVITY IN PARK SIGNAGE

Current signage does not consider park users with various accessibility needs, such as braille or aural forms of communication. Some signs are translated in Spanish and English. There is great opportunity to achieve higher accessibility and language access in signage.



Current park signage at Jack Drake Park showing park hours and regulations.



Dog Waste Station in Wussow Park.



Current entry signage with artistic mosaic inside Dylan Park



Monument signage at Wussow Park as seen from Greens Road.



Current wayfinding signage for ADA-Compliant route within Wussow Park.

PARK SIGNAGE OPPORTUNITIES

This Master Plan recommends the District determine a standardized package for park signage and wayfinding within the parks system.

Signage standards should consider:

- Identification signage (plants, artwork, historic features, etc.),
- Pedestrian scale signage,
- Vehicular scale signage,
- Monument signage,
- Building signage,
- And Historical signage.

PEDESTRIAN AND BICYCLE SCALE SIGNAGE

Pedestrian and Bicycle scale signage is human-scale signage that is readable from a comfortable standing distance for those on foot or bicycle and can exist at any location within the park; along pathways, at specific elements such as feature trees or plant areas, near trailheads or key pathway intersections.

All of the current parks in the District are part of a greater park system connected to neighborhoods, schools, and businesses. Pedestrian and bicycle scale wayfinding should be considered at park-wide wayfinding and District-wide wayfinding scales.

OPPORTUNITIES

Within the park, this scale of signage can serve multiple purposes.

- For pedestrian scale signage, there is an opportunity to communicate wayfinding to the park user on foot or on bike, such as providing orientation in the park, distance to certain key park features, or pathway system mapping within the park.
- There is also opportunity to communicate proximity of the park user to off-site amenities, or where a park user can catch the nearest bus or find a safe bike route to another part of the city.

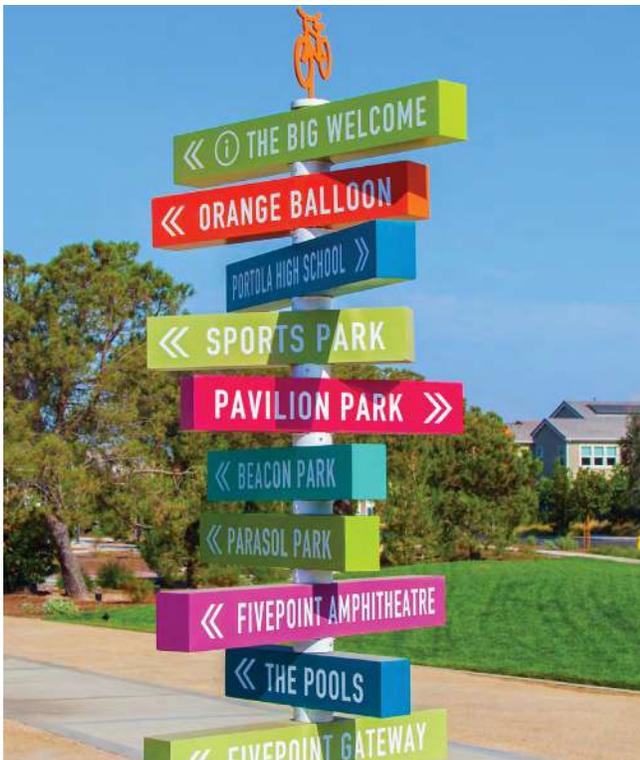
Improving pedestrian scale signage and wayfinding is imperative to making the District feel more cohesive and connected, to let visitors know about other park amenities they may be interested in, and to be better connected to the story of the District.



ADA Map in Mont Royal Park in Montreal, Canada



QR-code scavenger hunt at The Underline in Miami, FL.



Wayfinding at Cadence Park in Irvine, CA.



Signage showing distance to key park features at Pohick Bay Regional Park in Lorton, Virginia

STORY TELLING

Storytelling commonly occurs as written narrative as seen in the park today, but can take many other forms that should be explored for visitors of tomorrow and the future of the District's parks.

Using signage can feature ways for a visitor to interact with a site's history, natural features, cultural stories, or general wayfinding. The North Houston District has an opportunity to tell the story of the District and to highlight the stories of its waters in the context of Greens Bayou, floods, and the District's resiliency.

Artistic storytelling can take the form of sculptures, trail art installations, or interpretations of the subject matter.

Accessible storytelling is imperative to ensure all visitors of the park can enjoy, learn, and partake in the history and storytelling that they may otherwise not be able to easily access.

Technology-incorporated storytelling takes advantage of the growing trend in using things like augmented reality, QR code based information sharing, and app.-based information sharing using hand-held devices such as smartphones and tablets.

OPPORTUNITIES

Within the District's parks, open spaces, and trails, storytelling can serve multiple purposes.

- Storytelling can be woven into the wayfinding between parks and trails to tell a cohesive story of the District, Greens Bayou, and more.
- Accessibility can take many more obvious and subtle forms, including but not limited to:
 - Raised lettering, braille, or aural options for those with visual impairments.
 - Signage at various heights for users of all heights and ages.
 - Icon-based or graphics-based signage.
 - Locating signage in different environments for those who prefer to stop and spend time perhaps within or away from crowded environments.
- Implement artistic features in City View Park that narrates the story of Greens Bayou.
- Add educational signage to provide visitors with information about the District, history, and Greens Bayou.
- Incorporate QR code based information into park signage throughout the District. Some examples of information to add include:
 - Virtual, self-guided walking tour of Greens Bayou
 - QR-code linked to the North Houston District website
 - Webpage with detailed history and information on respective parks.



Nature storytelling art along Green Bayou Trail.



VEHICULAR SCALE SIGNAGE

Vehicular scale signage is signage that is legible from a distance, typically sized and concise enough so one can read and orient themselves quickly and without much distraction. This type of signage typically exists at major roadway entries, roadway intersections, and along roadways.

There are opportunities to provide a sense of celebrated entry, reinforce the sense of identity, and define the edges of the District. Entry monuments exist around the area that should be referred to for example and precedent, potentially incorporating a new special park style.

Parking signage should be visible to motorists to indicate where surface parking is available for specific amenities, as well as general parking locations.

General wayfinding for park amenities should be visible along roadways, especially at key intersections directing motorists to specific destinations. Often, these are simple directional labels and distance markers.

OPPORTUNITIES

- Add or relocate signage to be closer to public right-of-way to increase visibility of the parks.
- Incorporate vehicular scale signage along intersections of public right-of-way and Greens Bayou to indicate walking, biking, and driving distance to respective parks.
- Utilize existing medians along major thoroughfares to include signage to establish a sense of entry and identity within the District. Forms of median signage include but are not limited to:
 - Entry/Gateway monuments built onto a median to indicate entry into the District.
 - Flags or banners placed on trees or lighting fixtures
 - Landscaping that incorporates native plant species
 - Art or sculptures displayed on medians for drivers, pedestrians, and cyclists to view from a distance.



Median Signage and planting at Imperial Valley Drive, North Houston District, Houston, TX.



Median Signage at Imperial Valley Drive, North Houston District, Houston, TX.



Tongva Park Entrance Signage with seating, visible from Ocean Avenue, located in Santa Monica, CA.

LIGHTING AND SAFETY RECOMMENDATIONS

This Master Plan recommends the District standardizes the upgrades or addition of lighting, safety, and landscape components throughout all of its parks and trails.

Lighting and safety were some of the concerns shared by the public during the engagement for this master plan. There is a need to ensure proper and ample lighting within the parks for all types of park users. Lighting not only adds to the ambiance of a space, but plays a crucial role in ensuring safety.

Lighting types that should be included in the park updating include:

- **Pedestrian lighting** should be at a comfortable pedestrian height, 12'-14', located along pathways, sidewalks, and pedestrian areas. It should be spaced appropriately so that park users are able to discern facial features of other park users within a comfortable distance of them.
- **Vehicular lighting** is to be located along the roadways adjacent to and surrounding the park. Vehicular lighting also applies to providing sufficient lighting for parking areas and where pedestrians and vehicles converge such as crosswalks.
- **Sports Field/Court lighting** should be concentrated at any sports facilities and dog parks. This lighting should be carefully directed as to not disturb adjacent neighbors, and also align with field/court use appropriately as to not be constantly in use when not needed.
- **Decorative Lighting** serves to add character and bring attention to special park features. Up-lighting feature trees, sculptures or statues, placards, flags, and other types of signage help with those visiting the park in the evening. Decorative lighting can also overlap with pedestrian and vehicular lighting to add a layered approach of creating character and safety after the sun sets.

LIGHTING EFFICIENCY AND DESIGN

Current and new lighting should comply with official park standards as well as meet efficiency guidelines. Lighting should include responsive timing to changing sun set hours, use solar energy, LED efficiency, and self-reporting on any lighting that is malfunctioning. LED lighting has a longer lifespan than older styles and versions, and uses far less energy input for greater output.

There are many modern design options that achieve sustainable and efficient lighting recommendations while maintaining a park's character. Additional design considerations are to be considered, such as ensuring all lighting is entirely downward-directed and dark-sky compliant.

SAFETY

There are many options to include pedestrian safety elements throughout the park. Emergency posts are becoming more common, also known as blue-light call boxes. These boxes are tall, blue-light illuminated posts that are clearly marked for emergency use. They connect to emergency services to render aid more efficiently to those in need.



Pedestrian lighting illuminates trails and paths.

OPPORTUNITIES

- Incorporate pedestrian lighting throughout Wussow Park, particularly between park amenities to ensure safe access within the park.
- Add more pedestrian lighting along streets that are directly adjacent to the District's parks, particularly at crosswalks, so pedestrians and cyclists are able to discern the park after the sun sets.
- Incorporate decorative lighting throughout the District's parks that distinguishes the District's brand.



Ashbery Area Light

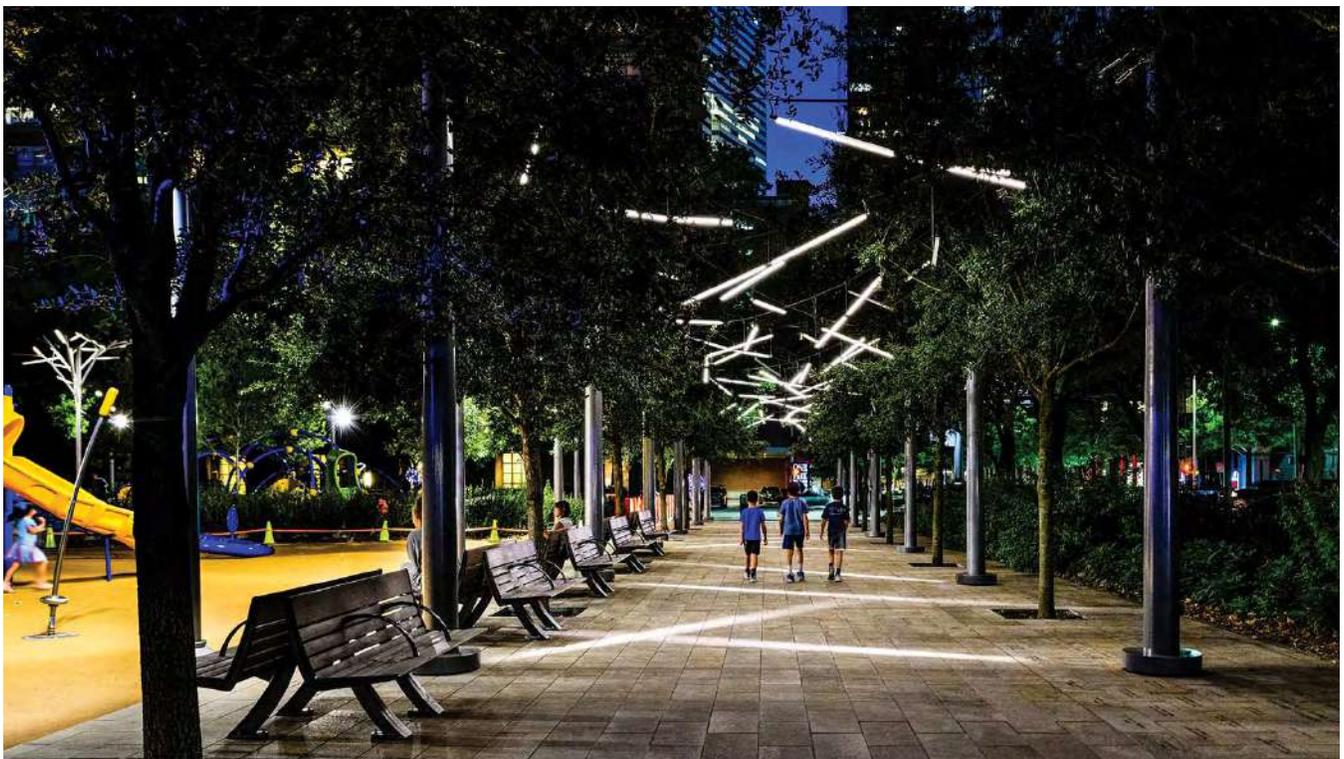


Ashbery Path Light



Ashbery Wall Mount Light

Many modern lighting styles come in expressions and families of various types of lighting that match



Renderings of pedestrian lighting in Discover Green Park in downtown Houston.

LANDSCAPE AND PLANTING

Identifying specific plants to incorporate throughout the District's landscape can strengthen the identify of the parks, trails, and the overall District.

Refer to Table 1 for the plant schedule below for the list of trees, ground cover, grass, and turf that were recommended in the District's Entry Point Improvement document.

TABLE 1: PLANT SCHEDULE

SPECIES	PLANTING TYPE
Live Oak (QUERCUS VIRGINIANA)	Trees
Mexican Sycamore (PLATANUS MEXICANA)	Trees
Bald Cypress (TAXODIUM DISTICHUM)	Trees
Cedar Elm (ULMUS CRASSIFOLIA)	Trees
Loblolly Pine (PINUS TAEDA)	Trees
Crape Myrtle 'Natchez' (LAGERSTROEMIA INDICA)	Trees
Asian Jasmine (TRACHELOSPERMUM ASIATICUM)	Ground Cover
Sandy Leaf Fig Ivy (FICUS TIKOUA)	Ground Cover
Foxtail Fern (ASPARAGUS MEYERI)	Ground Cover
Gulf Muhly Grass (MUHLENBERGIA CAPILLARIS)	Grasses
Common Bermuda (CYNODON DACTYLON)	Turf

GENERAL PARKS RECOMMENDATIONS

The parks in the North Houston District range in park age, uses, and more. The list below presents general opportunities and considerations for all parks and trails within the District.

OPPORTUNITIES

- Repair and maintain the trail and facilities in older parks to ensure they are safe and functional for visitors.
- Increase the number of shade trees to provide a more comfortable environment for visitors during hot weather.
- Consider keeping existing art in the parks, as it can enhance the aesthetic value of the park and provide a unique experience for visitors.
- Maintain consistency in art and education to promote a sense of continuity between all parks.
- Install more benches or seating areas throughout the parks to encourage visitors to stay longer and enjoy the surroundings.
- Increase maintenance efforts for community gardens to ensure they are thriving and accessible to all members of the community.
- Diversify the age range of park visitors by adding more sports fields and activities suitable for a range of ages.



Educational signage at Palm Center in Houston, TX



Nature-based playground at Boddington Nature Playground in western Australia.



Wide trails with spaces for pedestrian and cyclist uses.



5

IMPLEMENTATION

The implementation of the North Houston District Parks Master Plan is a collaborative effort between the District, City of Houston, Harris County, and many other partner organizations.

This chapter will explore partnership opportunities identifying assets and abilities, grants, financing options, and the prioritization of fund utilization for the proposed recommendations throughout the four quadrants.

The prioritization of projects between short, middle, and long term were determined based on project demand, feasibility, and frequency of project recommendation in past planning studies and documents.

PARTNERSHIPS

Within the North Houston District and the surrounding Houston metro area there are a diverse array of civic organizations, City governments, businesses, and community organizations that could be instrumental in accomplishing the varying levels of projects envisioned in this report. The list below features some of the most high-value potential partnerships for the District to pursue or further develop in the course of expanding the parks and open space system throughout the area. While some of the organizations below may already be in partnership with the District, it is worthwhile to further emphasize the important role they will play in the planning and implementation of future projects.

ENTITY	PURPOSE	ASSETS	ABILITIES
Greens Bayou Corridor Coalition	Advocate for Greens Bayou improvements, create strategic partnerships to develop parks & trails, engage volunteers & communities in Bayou upkeep	Partnerships, volunteer programs, local, state, and national advocacy, community engagement	Park maintenance through volunteer programs, facilitate formation of strategic partnerships to support park & trail development, organize community engagement events
North Houston Association	Connect and educate North Houston business community, advocate for local economic needs	Regional business network, advocacy, environment committee	Mobilize local business community to support park & trail development as component of economic development platform, educate business community on environmental topics
Greater Greenspoint Redevelopment Authority/TIRZ no. 11	Oversee administration of TIRZ no.11, provide financial support for infrastructure and amenities, including park and streetscape improvements	Incremental financing	Incremental tax funding, partnerships with the City, County, Aldine & Spring ISDs, finances redevelopment and attracts new development to underserved areas
City of Houston Parks	Enhance the quality of urban life by providing safe, well-maintained parks, and offering affordable programming for our community	City general fund, City special revenue fund, Parks and Open Spaces Ordinance fees	Park maintenance and construction, programming, land acquisition for park purposes
Houston Parks Board	Create, improve, protect, and advocate for parks in the Houston area	Partnerships, donor funds, volunteer network	Implement projects including Bayou Greenways 2020, community programs, park studies, and park care and maintenance.

ENTITY	PURPOSE	ASSETS	ABILITIES
Harris County Flood Control District	Provide flood damage reduction projects that work with appropriate regard for community and natural values	A dedicated ad valorem property tax; Federal and state grants; Project cost sharing agreements; Funding allocated each year by Harris County Commissioners Court	Implement flood damage reduction projects and flood control facility maintenance
City of Houston Office of Sustainability	Encourage green development and lifestyles across the city by carrying out green projects, educating on pressing environmental issues, and promoting sustainable projects and services	City general fund	Support greenhouse gas mitigation initiatives, Serve as a liaison between the City and other entities on matters pertaining to greenhouse gas mitigation, Provide support on utility regulation and its cost saving efficiencies
SPARK	Collaborate with local schools and communities to build parks on public school land that serve school needs during the day, open to public after school day and on weekends/holidays	New park funding, partnerships, community engagement & volunteers	Provides funding for new school parks, engage community and build buy-in needed to help envision & financially support new parks, bring in donations & volunteer support
Aldine-Greenspoint YMCA	Provide a wide range of community programming, educational support, and recreation activities for local youth	YMCA facilities, volunteer network, community engagement	Engage communities through volunteering, support for park programming, partnership to help build, staff, & operate recreation facilities
Hines/Pinto Business Park	Real estate investment, development, & management, property manager of Pinto Business Park	Pinto Business Park	Collaborate with the District to enhance green elements & trail connectivity within Pinto Business Park
City of Houston Planning and Development	Manage land-development regulations, enhance and protect neighborhood character and stability, and provide reliable data, mapping and analysis to decision makers	City general fund, City special revenue fund	Historic preservation, Implement land development regulations, Improve transportation planning efforts, Pursue grant funding, Review projects for compliance with development codes

ENTITY	PURPOSE	ASSETS	ABILITIES
METRO	Develop, operate, and maintain a mass transit system to serve the residents within and visitors to its service area	Sales tax, grants, fares	Expansion and enhancement of transit infrastructure, design and plan expansions and enhancements including sidewalks and bicycle facilities
Harris County Precinct 1	Deliver responsive public services to improve the quality of life, advance equality of opportunity, and promote the fair treatment for all	Tax revenue, government grants	Bikeway/Street/Sidewalk/Trail improvements, Park & community center programming, flood mitigation projects
Harris County Precinct 2	Deliver responsive public services to improve the quality of life, advance equality of opportunity, and promote the fair treatment for all	Tax revenue, government grants	Bikeway/Street/Sidewalk/Trail improvements, Park & community center programming, flood mitigation projects
Harris County Engineering	Deliver infrastructure and public services to Harris County	Engineering Expertise understanding, Harris County resources	Engineering, architecture, project management, real property assessment/acquisition, and construction
Harris County Health	Promote community health and safety, prevent illness and injury	Public Health initiatives and connections, Harris County resources	Provide resources, information, and services; connect communities to funding based on demonstrated community needs
Spring ISD	Provide public education to the Spring area	Connection to students and parents	Advocate for and gather input on Safe Routes to School improvements
Aldine ISD	Provide public education to the Aldine area	Connection to students and parents	Advocate for and gather input on Safe Routes to School improvements
TxDOT	Plan, design, build, operate and maintain Texas highways.	Transportation understanding, funding; grants	Support community mobility goals
Local developers	Build housing to support community desires	Private capital	Implementing housing needs, increasing housing diversity

GRANTS AND FINANCE

To accomplish and sustain the range of recommended parks and open space projects and area improvements presented in this plan, an array of finance mechanisms and funding opportunities must be leveraged to provide a diverse base of support to draw from in the short, mid, and long term. Smaller scale, shorter term projects can benefit from funding strategies better suited to lower project costs and barriers to implementation, while the groundwork for more expansive long-term finance tools can be laid now to provide for larger scale system-wide flagship projects down the road. The following sections detail a selection of relevant grant opportunities and priority-based funding mechanisms to consider for future District developments.

GRANT OPPORTUNITIES

RECREATIONAL TRAIL GRANTS

Offered By: Texas Parks and Wildlife Department

Description: The reimbursable grants can be up to 80% of project cost with a maximum award of \$600,000 for motorized (off-highway vehicle) trail grants (call 512-538-4427 for more information regarding potential motorized trail grants). Funds can be spent on both motorized and non-motorized recreational trail projects such as the construction of new recreational trails, to improve existing trails, to develop trailheads or trailside facilities, and to acquire trail corridors. (Source: TPWD)

Eligible Entities: Cities, counties, State and Federal Agencies, Non-profits

Total Program Funding: \$3.9 Million (Annually)

TRANSPORTATION ALTERNATIVES SET-ASIDE PROGRAM

Offered By: TxDOT

Description: [This] program provides funding for a variety of generally smaller-scale transportation projects such as pedestrian and bicycle facilities; construction of turnouts, overlooks, and viewing areas; community improvements such as historic preservation and vegetation management; environmental mitigation related to stormwater and habitat connectivity; recreational trails; safe routes to school projects; and vulnerable road user safety assessments. (Source: TxDOT)

Eligible Entities: Cities, Counties, Metropolitan Planning Organizations, Non-profits

Total Program Funding: \$250 Million

SAFE STREETS AND ROADS FOR ALL (SS4A) GRANT PROGRAM

Offered By: US DOT

Description: The SS4A program funds regional, local, and Tribal initiatives through grants to prevent roadway deaths and serious injuries. There are two types of SS4A grants: Action Plan Grants and Implementation Grants. which fund a range of planning and capital improvement projects related to road improvements and pedestrian or cycling infrastructure. (Source: US DOT)

Eligible Entities: Metropolitan planning organizations, Counties, Cities, Towns, Transit agencies, Special districts, Federally recognized Tribal governments

Total Program Funding: \$800 Million (FY2022)

RECONNECTING COMMUNITIES PROGRAM

Offered By: US DOT

Description: The first-ever Federal program dedicated to reconnecting communities that were previously cut off from economic opportunities by transportation infrastructure. Funding supports planning grants and capital construction grants, as well as technical assistance, to restore community connectivity through the removal, retrofit, mitigation, or replacement of eligible transportation infrastructure facilities. (Source: US DOT)

Eligible Entities: States, Units of Local Government, Federally recognized Tribal governments, Metropolitan planning organizations, Non-profits

Total Program Funding: \$185 Million (FY2022)

REBUILDING AMERICAN INFRASTRUCTURE WITH SUSTAINABILITY AND EQUITY

Offered By: US DOT

Description: RAISE grants (formerly known as BUILD and TIGER) are for investments in surface transportation infrastructure and are awarded on a competitive basis to projects that will have a significant local or regional impact. RAISE funding can support greenways, bike trails, and pedestrian paths, along with roads, bridges, transit, rail, and ports. (Source: City Parks Alliance)

Eligible Entities: Local, State, and Tribal governments, Public Agencies

Total Program Funding: \$1.5 Billion

LOCAL PARK GRANT PROGRAM: NON-URBAN INDOOR/OUTDOOR RECREATION

Offered By: Texas Parks and Wildlife Department

Description: The Local Park Grant Program consists of 5 individual programs that assist local units of government with the acquisition and/or development of public recreation areas and facilities throughout the State of Texas. The Program provides 50% matching grants on a reimbursement basis to eligible applicants. Once funded, all grant assisted sites must be dedicated as parkland in perpetuity, properly maintained and open to the public. (Source: TPWD)

Eligible Entities: Cities, Counties, River authorities, Municipal Utility Districts, Special districts

Total Program Funding: \$2 Million

COMMUNITY OUTDOOR OUTREACH PROGRAM

Offered By: Texas Parks and Wildlife Department

Description: CO-OP provides grants to tax- exempt organizations ranging from \$5,000 to \$70,000. This is a reimbursement grant program. Recipients must purchase eligible items and submit proper documentation before being reimbursed. Eligible organizations can apply to use these funds for programming expenses such as personnel, food, travel expenses, participant liability insurance, entrance fees, outdoor recreation equipment and environmental education supplies. (Source: TPWD)

Eligible Entities: Local governments, Universities, School Districts, and Non-profits

Total Program Funding: \$14 Million

FLOOD MITIGATION ASSISTANCE GRANT

Offered By: FEMA

Description: This grant may be used for projects that reduce or eliminate the risk of repetitive flood damage to buildings insured by the National Flood Insurance Program including: project scoping, technical assistance, community flood mitigation projects, individual structure/property-level flood mitigation projects, and management costs. (Source: FEMA)

Eligible Entities: States, tribes and territories can submit applications on behalf of subapplicants.

Total Program Funding: \$200,000,000

BUILDING RESILIENT INFRASTRUCTURE AND COMMUNITIES FUND

Offered By: FEMA

Description: Building Resilient Infrastructure and Communities (BRIC) funds may be used for: capability and capacity building activities, mitigation projects, and management costs. (Source: FEMA)

Eligible Entities: States, tribes and territories can submit applications on behalf of subapplicants.

Total Program Funding: \$112,000,000

FIVE STAR AND URBAN WATERS RESTORATION GRANT PROGRAM

Offered By: National Fish and Wildlife Foundation

Description: The Five Star and Urban Waters Restoration Program seeks to develop nationwide community stewardship of local natural resources, preserving these resources for future generations and enhancing habitat for local wildlife. Grants seek to address water quality issues in priority watersheds, such as erosion due to unstable stream banks, pollution from stormwater runoff, and degraded shorelines caused by development. (Source: NFWF)

Eligible Entities: Non-profit 501(c) organizations, state government agencies, local governments, municipal governments, Tribal Governments and Organizations, and educational institutions

Total Program Funding: \$2,600,000

MICRO GRANTS PROGRAM

Offered By: Entergy

Description: Through Entergy's Micro Grants Program, we accept requests for up to \$1,000 in all program areas: arts and culture; community improvement/enrichment; economic development, education/literacy, environment and healthy families. (Source: Entergy)

Eligible Entities: Non-profits, Schools, State or local governments, Veterans organizations

Total Program Funding: N/A

NW QUADRANT

PRIORITY	GOAL	RECOMMENDATIONS
Short-Term	Connect	Provide safe connections to Greens Bayou at Ella Blvd.
Short-Term	Connect	Provide Bayou trail connection under IH-45 to connect the east and west side of the Bayou
Mid-Term	Activate	Repurpose North Houston District parcels along Greens Bayou into parks and open space
Mid-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to build a new SPARK Park at Plummer Middle School and the southeast property at the intersection of Greens Road and Spears-Gears Road
Mid-Term	Activate	Coordinate with Harris County and local school districts to activate parcels into new parks and open space
Mid-Term	Connect	Establish new trails to connect the Green Oak subdivision to Davis High School, Plummer Middle School, Spencer Elementary School, and Greens Bayou
Long-Term	Connect	Develop on-street bike lanes along W. Greens Rd. between Ella Blvd. and IH-45
Long-Term	Connect	Develop on-street bike lanes along Greens Crossing Blvd. from W. Greens Rd. to Beltway 8
Long-Term	Connect	Complete safe pedestrian and bike connections to the Northeast Quadrant at Rankin Rd. and W. Greens Rd.
Long-Term	Connect	Complete safe pedestrian and bike connections to the Southwest Quadrant at Ella Blvd. and Greens Crossing Blvd.
Long-Term	Connect	Consider future regional connections between Rockstar Energy Bike Park and Kuykendahl Detention Basin
Long-Term	Connect	Develop a bike lane along Ella Boulevard north of Rankin Rd. and to the south of W. Greens Rd.
Long-Term	Connect	Develop a bike lane along Rankin Rd. between Spears-Green Road and IH-45.
Long-Term	Connect	Develop a bike lane along Spears-Green Road between Rushcreek Dr. and Gears Rd.
Long-Term	Connect	Complete the bike lane connection on Ella Blvd. and provide safe crossing and access to Greens Bayou
Long-Term	Connect	Develop on-street bike lanes along Northborough Dr., connecting to Greens Pkwy.
Long-Term	Connect	Establish new trails to connect the Green Oak subdivision to Davis High School, Plummer Middle School, Spencer Elementary School, and Greens Bayou

POTENTIAL PARTNERS

POTENTIAL FUNDING

METRO, HPB, HPARD, COH, GBCC, TxDOT

METRO, HPB, HPARD, COH, GBCC, TxDOT

COH, HPARD, Harris County, Houston Parks Board

Aldine ISD, SPARK, Houston Parks Board

COH, HHA, Private Developers, HPARD, Houston Parks Board, Harris County

COH, HPARD, HPB, Harris County, AISD

METRO, HPB, HPARD, COH, TxDOT

METRO, HPB, HPARD, COH

METRO, HPB, HPARD, COH

METRO, HPB, HPARD, COH

HPARD, HPB, GBCC, COH, HCFCD

METRO, HPB, HPARD, COH

METRO, HPB, HPARD, COH, TxDOT

METRO, HPB, HPARD, COH

METRO, HPB, HPARD, COH, GBCC

METRO, HPB, HPARD, COH, HCFCD, GBCC

GBCC, Aldine ISD, Private Developers, HPB, METRO, COH

NE QUADRANT

PRIORITY	GOAL	RECOMMENDATION
Short-Term	Activate	Partner with the Harris County Flood Control District (HCFCD) to activate the Glen Forest Detention Basin with new parks, trails and open space
Short-Term	Connect	Develop sidewalks along Imperial Valley Dr. extending north from Greens Rd.
Short-Term	Activate	Continue to advance the future Central Park concept as a storm water amenity
Short-Term	Connect	Extend trails to the east to W. Hardy Rd. to improve trail circulation in the quadrant
Mid-Term	Activate	Expand and connect Thomas R. Wussow Park to the City of Houston Waste Water Treatment Plant property
Mid-Term	Connect	Provide safe trail connections to Greens Bayou at IH-45, Greens Rd., and Imperial Valley Dr.
Mid-Term	Connect	Extend trails to the east of Imperial Valley Drive to improve trail circulation in the quadrant
Mid-Term	Activate	Establish partnerships with Greenspoint Plaza to repurpose land for parks and open space uses
Mid-Term	Connect	Develop new trails on existing easements to create trail and bike network connectivity
Mid-Term	Activate	Develop NHD owned property at 16825 North chase Dr. as new sport amenity park
Mid-Term	Connect	Develop on-street bike lanes Benmar Dr. extending east from Greenspoint Dr.
Mid-Term	Activate	Coordinate with Spring Independent School District and SPARK Park to build a new SPARK Park at Cooper Elementary School
Mid-Term	Connect	Develop a Jack Drake Natural Recreation Center at the detention facility west of the park
Long-Term	Activate	Coordinate the expansion of Ida Gaye Gardens with parcel owners to the east of the park
Long-Term	Connect	Develop on-street bike lanes along Greens Rd.
Long-Term	Connect	Develop on-street bike lanes along Greenspoint Dr. extending south from Greens Bayou
Long-Term	Connect	Develop new trails on existing easements to create trail connections from Rankin Rd.
Long-Term	Connect	Create new trails along the northern and eastern boundary of the NE Quadrant to establish connections between schools and residential subdivisions within and adjacent to the NE Quadrant
Long-Term	Activate	Coordinate with Harris County MUD No. 96 to activate new parks and open space
Long-Term	Connect	Complete safe pedestrian and bike connections to the Northwest Quadrant at Rankin Rd. and W. Greens Rd.
Long-Term	Connect	Complete safe pedestrian and bike connections to the Southeast Quadrant at Greenspoint Dr. and Imperial Valley Dr.

POTENTIAL PARTNERS

POTENTIAL FUNDING

HCFCF, Houston Parks Board, HPARD, GBCC

METRO, HPB, HPARD, COH

HPARD, HPB, COH, HCFCF, GBCC

COH, HPARD, HPB, Harris County

HPARD, HPB, COH, HCFCF

Houston Parks Board, HPARD, TxDOT, COH

HPARD, HPB, METRO, COH

COH, Greenspoint Plaza, Private Developers, HPARD, Harris County

HCFCF, HPARD, Private Developers, Private landowners, Houston Parks Board, COH, METRO

METRO, HPB, HPARD, COH

Spring ISD, SPARK Parks, Houston Parks Board

HPARD, HPB, COH, HCFCF, GBCC

North Houston District, COH

METRO, HPB, HPARD, COH

METRO, HPB, HPARD, COH

HCFCF, HPARD, Private Developers, Private landowners, Houston Parks Board, COH, METRO

HPARD, Private Developers, Aldine ISD, COH, Houston Parks Board

Harris County MUD No, 96, Harris County

METRO, HPB, HPARD, COH

METRO, HPB, HPARD, COH

SW QUADRANT

PRIORITY	GOAL	RECOMMENDATIONS
Short-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to build a new SPARK Park at Thomas Gray Elementary School
Mid-Term	Activate	Coordinate with Harris County MUD No 406 and MUD No 321 to develop new parks and open space
Mid-Term	Connect	Utilize existing easements to create a trail along the western and portions of the southern boundary of the quadrant to connect Pinto Business Park, new parks and open spaces, residential subdivisions, and schools.
Long-Term	Connect	Develop existing easements into trails along the eastern boundary of Pinto Business Park; Explore opportunities for new parks and open space in adjacent vacant land
Long-Term	Connect	Complete trail connections to the NW Quadrant
Long-Term	Connect	Extend the bike lane plans for Ella Blvd. to improve connectivity and cycling options for residents, visitors, and workers in the SW Quadrant
Long-Term	Connect	Develop bike lanes along Greens Crossing Rd. between Beltway 8 and the southern boundary of the SW Quadrant
Long-Term	Connect	Develop bike lanes along Fallbrook Dr. between IH-45 and the western boundary of the SW Quadrant
Long-Term	Connect	Add pedestrian and bike paths along West Road to improve mobility in this quadrant
Long-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to build a new SPARK Park at Blanton CTE High School
Long-Term	Connect	Complete safe pedestrian and bike connections to the Northwest Quadrant at Ella Blvd. and Greens Crossing Blvd.
Long-Term	Connect	Complete safe pedestrian and bike connections to the Southeast Quadrant at Fallbrook Dr. and West Rd.

POTENTIAL PARTNERS

POTENTIAL FUNDING

Aldine ISD, SPARK Parks, Houston Parks Board

Harris County MUD No. 406, Harris County, Harris County MUD No. 321 Houston Parks Board

Hines, HPARD, Houston Parks Board, COH, Private Developers

Hines, HPARD, Houston Parks Board, COH, Private Developers

HPARD, HPB, METRO, COH

HPARD, Houston Parks Board, COH

Harris County, HPARD

Harris County, HPARD

HPARD, Houston Parks Board, COH. METRO

Aldine ISD, SPARK Parks, Houston Parks Board

HPARD, HPB, METRO, COH

HPARD, HPB, METRO, COH

SE QUADRANT

PRIORITY	GOAL	RECOMMENDATIONS
Short-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to enhance current SPARK park at Stovall Middle School
Mid-Term	Activate	Coordinate with Aldine Independent School District (AISD) and SPARK Park to build a new SPARK Park at Evelyn S. Thompson Elementary School
Long-Term	Connect	Develop a dedicated on-street bike lane along Greenspoint Rd. from Beltway 8 to Aldine Bender Rd.
Long-Term	Connect	Develop an off-street bike lane along existing drainage easement from IH-45 towards the eastern boundary of the quadrant.
Long-Term	Connect	Develop a dedicated on-street bike lane along Imperial Valley Dr. from Beltway 8 to West Rd.
Long-Term	Connect	Work with TxDOT to improve pedestrian and bicycle facilities along Aldine Bender
Long-Term	Connect	Coordinate with the Harris County Flood Control District and the City of Houston to develop a off-street bike lane along the drainage easement.
Long-Term	Connect	Develop a dedicated on-street bike lane along West Rd. from IH-45 to Airline Dr.
Long-Term	Connect	Complete safe pedestrian and bike connections to the Northeast Quadrant at Greenspoint Dr, and Imperial Valley Dr.
Long-Term	Connect	Complete safe pedestrian and bike connections to the Southwest Quadrant at Aldine Bender Rd and West Rd.

POTENTIAL PARTNERS

POTENTIAL FUNDING

Aldine ISD, SPARK, Houston Parks Board

Aldine ISD, SPARK, Houston Parks Board

HPARD, HPB, METRO, COH

HPB, METRO, COH, TxDOT, HCFCD

HPB, METRO, COH, Private Developers

METRO, COH, Private Developers, TxDOT

METRO, COH, HCFCD

HCFCD, METRO, COH, Private Developers, TxDOT

HPARD, HPB, METRO, COH

HPARD, HPB, METRO, COH





APPENDICES

APPENDIX A ENGAGEMENT SUMMARY

APPENDIX B DETENTION BASINS



POP UP EVENT #1 COMMUNITY ENGAGEMENT SUMMARY

NATIONAL NIGHT OUT AT TOM WUSSOW PARK,

TUESDAY OCTOBER 4TH, 5-7 PM

The pop-up event received 40 comments at the 10/4 National Night Out Pop Up Event, with 25 people adding their stories and ideas to the map.

Some key map points were:

- Need for a basketball court around the multi-purpose field (7 responses)
- Lighting improvements throughout the park (6 responses)
- Improving (i.e. striping) the soccer field on the multi-purpose field (4 responses).

Some other notable comments in the mapping activity included:

- Interest in more events/programming
- Access to the restrooms
- Separate play/activities for different age groups (Toddlers, older kids/teens, etc.)

Event attendees also participated in a board activity identifying how they use Tom Wussow Park and provided their feedback on some park priorities.

Highlights of this activity include:

- Most respondents visit the park either daily (43%) or weekly (38%)
- Most respondents visit the park either in the afternoon (55%) or in the evening (36%)
- An overwhelming majority walk (83%) to the park, and some bike (17%) to the park. There were no park users who drive or use transit to get to Tom Wussow Park.
- The responses reflect diverse uses of Tom Wussow Park, with some more frequent uses being play (27%) and exercise (19%).
- Overall, the general perception of Tom Wussow Park's safety and comfort, maintenance, amenities, and programming were low. Most people gave the respective categories an average (rating of 3) or below average rating (rating of 1-2).

General observations from interactions:

- The map board was able to draw more people in as it was a visual catalyst to start quick conversations and community engagement.
- People were engaged in other event activities which precluded them from spending too much time on the park priorities board.
 - This activity involved more time to evaluate the prompts, so people were less inclined to participate in this activity.
- Many of the people we interacted with did not know the park existed, did not know the name of the park, or had only driven past it.
 - People seemed to be positively surprised at how nice and spacious the park is.

**POP UP #1 ACTIVITY:
ENGAGEMENT BOARDS**



Park Priorities

KEY QUESTIONS

1 How frequently do you visit Tom Wussow Park?

DAILY | WEEKLY | MONTHLY | ANNUALLY

2 What time of day do you visit the park?

MORNING | LUNCH | AFTERNOON | EVENING

3 How do you get to Tom Wussow Park?

WALK | BIKE | TRANSIT | CAR

4 What do you like to do at Tom Wussow Park?

ORGANIZED SPORTS | EXERCISE | PLAY | NATURE

GATHERING WITH FRIENDS AND FAMILY | RELAX | OTHER

RATE THE PARK

1 Safety & Comfort (lighting, security, crime, shade)

NEEDS IMPROVEMENT 0 1 2 3 4 5 VERY SATISFIED

2 Maintenance (waste, landscaping, restroom, etc.)

NEEDS IMPROVEMENT 0 1 2 3 4 5 VERY SATISFIED

3 Amenities (playground, picnic tables, multipurpose field, volleyball, etc.)

NEEDS IMPROVEMENT 0 1 2 3 4 5 VERY SATISFIED

4 Programming (sports, pavilion rentals)

NEEDS IMPROVEMENT 0 1 2 3 4 5 VERY SATISFIED

Park Priorities

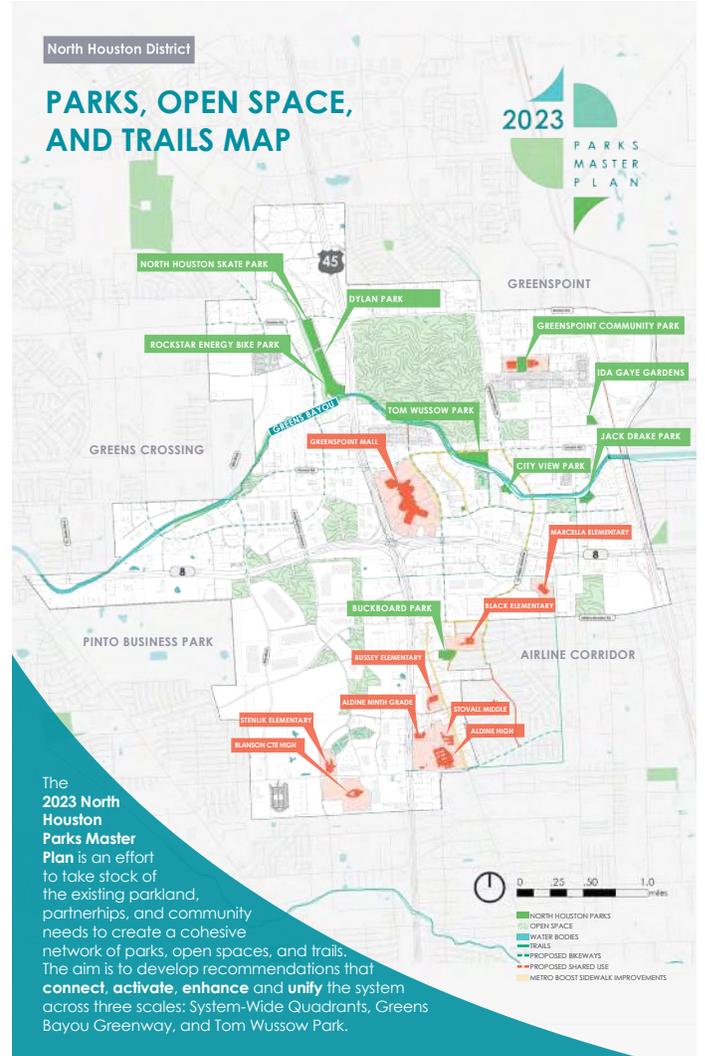
OTHER PRIORITIES

What amenities/programming would you like to see?

What are other concerns or comments you would like to share?

Add a sticky note why you need this?

**POP UP #1 ACTIVITY:
MAP SYSTEM SUMMARY**



**POP UP #1 ANALYSIS:
WORD CLOUD**



APPENDIX A ENGAGEMENT SUMMARY

POP UP EVENT #2 COMMUNITY ENGAGEMENT SUMMARY

2023



COMMENTS SUMMARY: 20 forms; 40-people

1. playground is mentioned many times and the option with playground is preferred by most people
2. need more basketball court, especially on TWP side.
3. many people come to play soccer.
4. refine the trails
5. restroom & gym split is preferred
6. like the new bridge
7. pool wanted

	COMMENTS	RELATE PROGRAM	PEOPLE	number of people
OPTION 1				
	daughters come to play at the playground so more play space would be preferred to have additional options	playground	Dad&daughters in pavillion	3
	like the WWTP layout; likes the way sports are mixed in with play, also likes the overall layout of WWTP regarding sports	playground; overall layout	large church group	7
	preferred having large soccer away from main park so it wouldn't take up space from park	soccer		1
	prefers the accessibility because of WWTP layout being multigeneration of nature of layout, sees more priorities in play areas than sports as they come for the children to play and ride their bikes	WWTP layout	family at picnic table	3
	overall accessibility of the layout, talking about the way different elements are grouped together in the WWTP, such as playground and football and basketball	overall layout	boy with dogs	1
	family lives by field, in turn they prefer to have the large soccer field together with apartment complex by Tom wussow, children would most benefit from option 1 soccer near appartments	soccer	group by soccer field	7
	gym/restroom in it is preferred due to convenience, believes would work best for male users rather than female users because of gender related notions about using a gym restroom	gym; restroom	guy with hoodie running	1
	like the layout of gym & playground, likes that its for everybody, more accessible; young kids at the playground, were mainly focused on play opportunities	gym; playground	kids at playground	2
	better option for soccer players, think the option 2 soccer field is too big	soccer	girls at playground	2
	love this option, really need the playground for kids		man with grandson by pavilion path	2
	like this more, basketball court is great; more activity looks more interesting	basketball	mom with childrens	3
	playground in new park is better	playground	first vister; mom with child on stroller	1
	like this better			1
	offers playground	playground	man walking on trail next to bayou; comes here everyday	1
	includes playground and more accessible for kids	playground	on trail; man	1
	playground, like the seating to watch kids; like the nature play in TWP	playground	woman&man by parking	2
OPTION 2				
	believes the large soccer in TW would be buffer for people to play together, multigenerational; more shared space for soccer players who are already familiar with the current layout	soccer	lady planning birthday party	1
	separation of fields is preferred, he likes it would be better for less interruption; preferred option to prevent conflict between players of one sport and another	gym; restroom	guy with hoodie running	1
	like the WWTP layout, thinks its better organized; likes the soccer-full sized, fits better in TW park than on WWTP; already playing soccer at TW park, so adding/formalizing the existing field would feel most familiar/ right to him	soccer	man with baby	1
	gym/ restroom split is good, should replicate in option 1	gym; restroom	first vister; mom with child on stroller	1
other				
	wishes for all trails to be wide enough to bike on	trail	Dad&daughters in pavillion	3
	majority people come to play soccer, especially kids; bigger parking would be preferred, likes added space in both options	soccer; parking	large church group	7
	no inter fence between games of different sports is a priority	sports	guy with hoodie running	1
	can't use park in the rain, walks everyday because of disability, wants priority of basics, specifically trails, don't have a preference between the concepts, but instead wished to see the overall improvement of walking facilities	trail	disable man on trail	1
	area for bikes and skate boards	skate	girls at playground	2
	the new bridge crossing would help a lot because it will give us a way to cross over easier instead of making a full walk around while having a kid; making the detention pond a more of habitat for turtles/ fish; put basketball court on greens side, set up mini courts too far pickup more crossing over bayou	bridge; basketball; detention pond	parents with newborn walking on trail next to greens bayou	2
	pool would be cool; really need basketball court	pool;	man with grandson by pavillion path	2
	trampoline in playground, add swimming pool, after thinking the detention pond was a pool	trampoline; playground; pool	mom with childrens	3
	open the bathrooms	restroom	first vister; mom with child on stroller	1
	park hasn't change at all. New restroom would be good or open up the existing ones again	restroom		1
	indoor gym in the park would be nice to accommodate all water; visitors swimming pool by gym would be nice, needs to be clean, doesn't have to be full size.	gym; pool	man walking on trail next to bayou; comes here everyday	1

NORTH HOUSTON DISTRICT PARKS MASTER PLAN TOM WUSSOW PARK CONCEPT DESIGN

OPTION 1



TOM WUSSOW PARK - NEW AMENITIES
LARGE PICNIC PAVILION
PICNIC PARKING
RESTROOM
OUTDOOR GYMNASIUM
MINI SOCCER COURT
PROFESSIONAL SOCCER FIELD
NEW PARK LAND
BASKETBALL COURTS
PICNIC AREAS
PROFESSIONAL SOCCER FIELD
RESTROOM
PARKING
TRAIL

NORTH HOUSTON DISTRICT PARKS MASTER PLAN TOM WUSSOW PARK CONCEPT DESIGN

OPTION 2



TOM WUSSOW PARK - NEW AMENITIES
LARGE PICNIC PAVILION
PICNIC PARKING
RESTROOM
OUTDOOR GYMNASIUM
MINI SOCCER COURT
PROFESSIONAL SOCCER FIELD
NEW PARK LAND
BASKETBALL COURTS
PICNIC AREAS
PROFESSIONAL SOCCER FIELD
RESTROOM
PARKING
TRAIL



STAKEHOLDER MEETING 1 SUMMARY

OVERVIEW

Occurring on October 27th, the first stakeholder meeting introduced the committee to the project. Discussions included big-picture goals, thoughts/reflections on the District, and ideas gathered from the first public engagement pop-up, concluding with a tour of Tom Wussow Park.

PRESENTATION AND DISCUSSION

A presentation introduced stakeholders to the project team, project structure, and current progress. Using a top-down, District-to-park structure, conversations focused on recognizing further collaborative opportunities relevant to the 2023 Parks Master Plan, identifying 16 potential partners and 19 initiatives. Main takeaways included:

- Recognition of opportunities to link community mobility, recreation needs, and ongoing/future external initiatives, creating an interconnected parks system
- Greater emphasis on placemaking, branding, and wayfinding throughout the District
- Increased understanding of collaboration across District, with further discussion needed regarding details of partnerships
 - Future stakeholder meetings should highlight key players and convey the breadth of partnerships and collaboration across the District

TOM WUSSOW PARK TOUR

Serving as an initial site visit for stakeholders, the park tour proved an effective strategy prompting additional park system discussion and Tom Wussow-specific feedback while promoting an overall relaxed and collaborative atmosphere. Main takeaways included:

- Perceivably stronger connection between stakeholders and park space
- Concern regarding amenities such as splash pads and dog parks due to their maintenance-heavy nature
- Connectivity and accessibility identified as top parks system and Tom Wussow Park priorities
 - Stakeholders voicing explicit desire to avoid physical barriers such as fences and walls
 - Numerous opportunities identified for enhancing park spaces, including open field, plaza, and volleyball court, as well as connections via roadway crossings and possible second Bayou bridge

NEXT STEPS

In the latter half of January, the next meeting will include preliminary review of concept plans. In preparation, stakeholder follow-ups include:

- Engagement with stakeholders not present in the first meeting
- Individual conversations with stakeholders to identify additional collaborations, including possible coordination for the second public engagement pop-up

APPENDIX A ENGAGEMENT SUMMARY

STAKEHOLDER MEETING 1 SUMMARY - NOTES

ATTENDANCE LIST

Stakeholders Represented	Stakeholders Not Represented
Greens Bayou Coalition	CM District B
HCFC D	Houston Parks and Recreation Department
Independent	Precinct 1
North Houston District	
North Houston District Board	
Precinct 2	
Villa Serena Communities	
YMCA	

PARTNERS AND INITIATIVES IDENTIFIED FOR COLLABORATION

Aldine ISD

- Spark Parks

Athlete Organizations

- GHORBA
- bikesports.org
- Triathlon-related training organizations

City of Houston

- Bike Plan

County/Precincts

- Safe Streets for All Grant
- VisionZero, Veterans and Rankin corridors
- Precinct adoption of park land

Greens Bayou Coalition

- Bayou and water cleanup efforts
- Connectivity with Kuykendahl

HCFC D

- Partnerships with TxDOT
- Maintenance/Ownership partnerships with Precincts
- Inwood Detention Project; guiding example for stakeholder connections/sponsorships

HCTRA

- Tollways to Bikeways
- Additional Possible ROW collaboration

HGAC

- Water protection Grants

HOAs/MUDs

HPB

- Connection between Greens and Halls Bayous

Pinto Business Park

Spring ISD

TxDOT

- i-45 Mid Reach
- NHHIP

UPArt Studio

YMCA

- Ties between programming and amenities

**STAKEHOLDER ACTIVITY:
GOALS WORKSHEET**

PLAN GOALS FEEDBACK FORM



Name: _____
 Organization: _____
 Use form to note reflections related to plan goals. Use back of form for additional notes or observations. *Return this form at the end of the session.*



CONNECT

Identify opportunities that draw the community to the existing parks system by strengthening the connections between parks and open spaces and open spaces.

Reflections: _____



ACTIVATE

Envision solutions to activate underutilized green spaces that currently exist within the District.

Reflections: _____



ENHANCE

Strengthen the features of existing parks and trails to meet the District's visions for a unified park system.

Reflections: _____



UNIFY

Leverage partnerships to identify and address common priorities for the District.

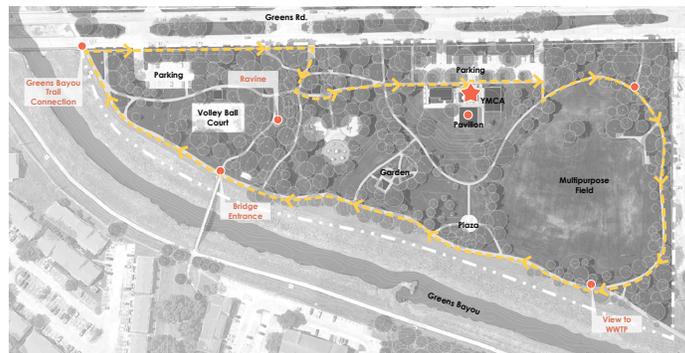
Reflections: _____

**STAKEHOLDER ACTIVITY:
TOUR MAP**

TOM WUSSOW PARK TOUR



Tour Map



Park Tour Observations

STAKEHOLDER MEETING 2 SUMMARY

OVERVIEW

On February 8, 2023, 13 of 16 committee members met for the second Stakeholder Committee meeting of the North Houston District 2023 Parks Master Plan. A presentation on project progress, initial recommendations, and potential Thomas R. Wussow Park concept designs allowed members to evaluate the practicality of District and Bayou scale recommendations and opportunities identified by the project team. Stakeholders communicated their overall support for the project's current progress, additional recommendations, and detailed feedback regarding the Wussow park concepts.

PRESENTATION AND DISCUSSION:

- Presentation covered current progress, District and Bayou-scale priorities, Wussow Park and Wussow Park Annex concept design options
- 3 activities sought feedback from stakeholder via Google Jamboard, an interactive platform allowing stakeholders to add their comments directly into the presentation
 - Stakeholders provided 19 comments across each activity
 - District and Bayou-scale feedback offered insight into feasible options for realizing connectivity, such as leveraging utility easements as lower-cost options
 - Stakeholders selected Concept 3a as the priority concept design

STAKEHOLDER ACTIVITY:

JAMBOARD SUMMARY



The Jamboard summary consists of seven screenshots from a Google Jamboard session:

- ACTIVITY #1:** Focuses on "Please select your top 3 priorities" with options like "CREATE AN INNER AND OUTER GREEN LOOP" and "ACCESS TO OPEN SPACE". It includes a map of the district with green and red markers.
- ACTIVITY #2:** Titled "GREENS BAYOU GREENWAY CREATE A COHESIVE NETWORK". It features a map with green circles and text discussing "Bayou Recreation", "Bayou Streets", and "Boulevard Amenities". A "UNIFY" logo is present.
- CONC #3A:** Shows a detailed site plan for Concept 3A with various colored zones and a legend.
- CONC #3B:** Shows a detailed site plan for Concept 3B with various colored zones and a legend.
- ACTIVITY #3 TOM WUSSOW PARK:** Displays three site plan options for Tom Wussow Park and a table for "CRASHING" with columns for "Task", "Priority", "Status", and "Comments".



STAKEHOLDER MEETING 3 SUMMARY

OVERVIEW

On March 29, 2023, 13 of 16 committee members met for the final North Houston District 2023 Parks Master Plan Stakeholder Committee. Featuring a presentation on the final District, Bayou, and park-level recommendations, stakeholders primarily voiced their support and enthusiasm for the plan and provided additional observations for consideration.

PRESENTATION AND DISCUSSION:

- Presentation covered District-Scale short to mid-term recommendations, Bayou-Scale recommendations, the Tom Wussow and Tom Wussow Annex final concept plans, and potential partnerships
- 12 comments captured on Miroboard
 - Comments primarily voiced by advocates for multi-modal connectivity, focusing on ensuring the mindful development of safe bicycle and pedestrian connectivity
 - Additional comments pointed the team to details to consider when enhancing and activating spaces, specifically focusing on:
 - Ensuring visibility for safety in the Tom Wussow Park extension
 - Making use of the existing Bayou bridge at Knobcrest Dr

APPENDIX B DETENTION BASINS



Glen Forest Stormwater Detention Basin (P500-08-00)



2023



PARKS
MASTER
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