

# 1.0

## WHAT IS THE LOWLINE?

### THE LOWLINE IS...

...**PUBLIC INFRASTRUCTURE** ENHANCING THE LIVES OF ALL THE CITIZENS OF CHARLESTON.

...THE **CENTRAL SPINE** OF A REGIONAL PARK AND MOBILITY SYSTEM CONNECTING DOWNTOWN TO WEST ASHLEY, NORTH CHARLESTON, AND MT. PLEASANT.

...**TRANSFORMING** AN ABANDONED RAIL CORRIDOR AND NEGLECTED HIGHWAY CORRIDOR INTO A PLACE SUPPORTING AND EXPRESSING THE EIGHT SURROUNDING NEIGHBORHOODS AND DISTRICTS.

...MAXIMIZING THE STORAGE AND TREATMENT OF STORMWATER, ADDRESSING CITY-WIDE **FLOODING**.

...A CONTINUOUS GREEN CORRIDOR ENHANCING **BIODIVERSITY** AND PROVIDING PLACES FOR ACTIVE AND PASSIVE **RECREATION**.

...**UNIQUE TO CHARLESTON**.

# CORE PRINCIPLES



## SOCIAL RESILIENCE

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- Give people the ability to choose alternative modes of transportation and safely engage in them
- Encourage social gathering and unification
- Be inclusive to all people



## CULTURAL RESILIENCE

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- Be authentically Charleston
- Celebrate our city's unique history
- Combat displacement of local residents by supporting local neighborhoods



## ENVIRONMENTAL RESILIENCE

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- Embrace water and store runoff sustainably
- Strengthen ecological functions of the Peninsula
- Promote health and wellness for humans and nature alike



## ECONOMIC RESILIENCE

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- Create value in the urban core
- Be financially self-sustaining
- Generate revenue for the city
- Provide opportunities for local businesses to succeed

# REGIONAL CONTEXT

THE LOWLINE IS PUBLIC INFRASTRUCTURE INTENDED TO ENHANCE THE LIVES OF ALL THE CITIZENS OF CHARLESTON.



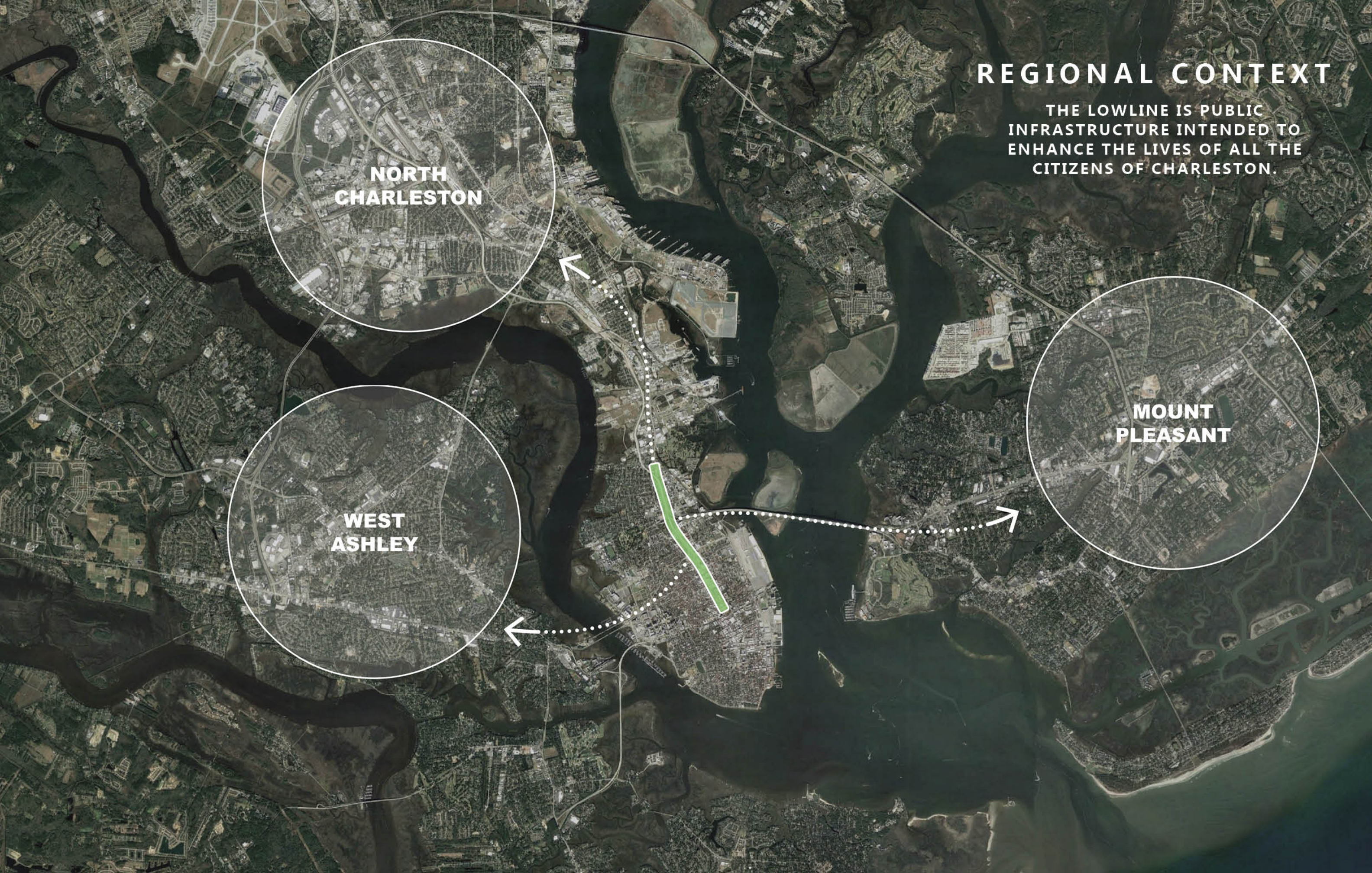
**NORTH  
CHARLESTON**



**WEST  
ASHLEY**



**MOUNT  
PLEASANT**



# PENINSULA CONTEXT

## LOWCOUNTRY LOWLINE

CHARLESTON INTERNATIONAL AIRPORT

NORTH CHARLESTON

MT. PLEASANT STREET

LAUREL ISLAND

MOUNT PLEASANT

THE CITADEL

HAMPTON PARK

CIGAR FACTORY

RAVENEL BRIDGE

BRITTLEBANK PARK

MEDICAL DISTRICT

MARION SQUARE

AQUARIUM WHARF

COOPER RIVER

WEST ASHLEY

CITY MARINA

COLLEGE OF CHARLESTON

CHARLESTON MARKET

WATERFRONT PARK

JAMES ISLAND

ASHLEY RIVER

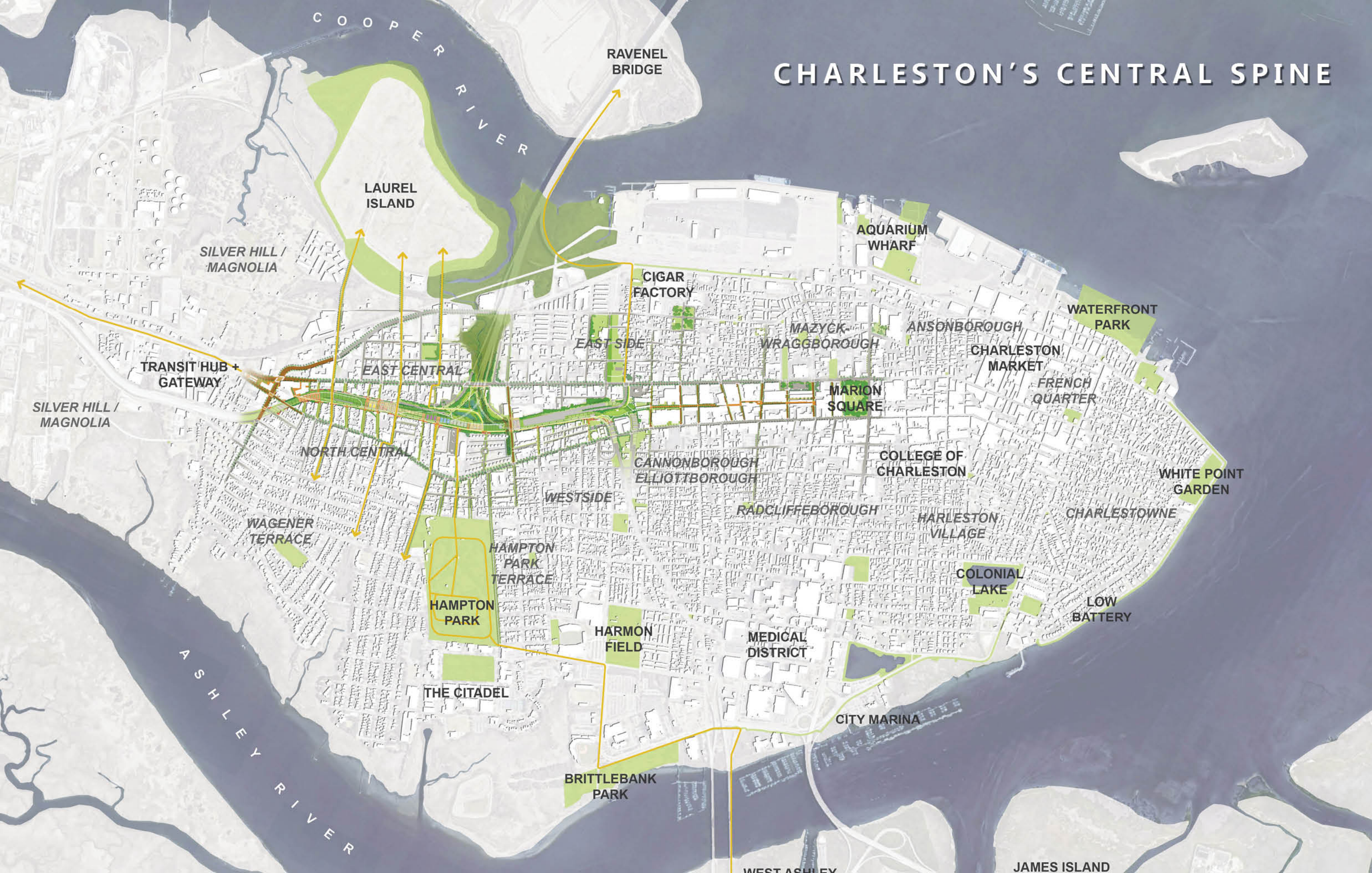
COLONIAL LAKE

LOW BATTERY

WHITE POINT GARDEN



# CHARLESTON'S CENTRAL SPINE



LAUREL ISLAND

RAVENEL BRIDGE

SILVER HILL / MAGNOLIA

AQUARIUM WHARF

CIGAR FACTORY

WATERFRONT PARK

TRANSIT HUB + GATEWAY

EAST CENTRAL

EAST SIDE

MAZYCK

ANSONBOROUGH

CHARLESTON MARKET

SILVER HILL / MAGNOLIA

NORTH CENTRAL

MARION SQUARE

FRENCH QUARTER

WAGENER TERRACE

CANNONBOROUGH  
ELLIOTTBOROUGH

COLLEGE OF CHARLESTON

WHITE POINT GARDEN

WESTSIDE

RADCLIFFEBOROUGH

HARLESTON VILLAGE

CHARLESTOWNE

HAMPTON PARK TERRACE

HAMPTON PARK

HARMON FIELD

MEDICAL DISTRICT

COLONIAL LAKE

LOW BATTERY

THE CITADEL

BRITTLEBANK PARK

CITY MARINA

ASHLEY RIVER

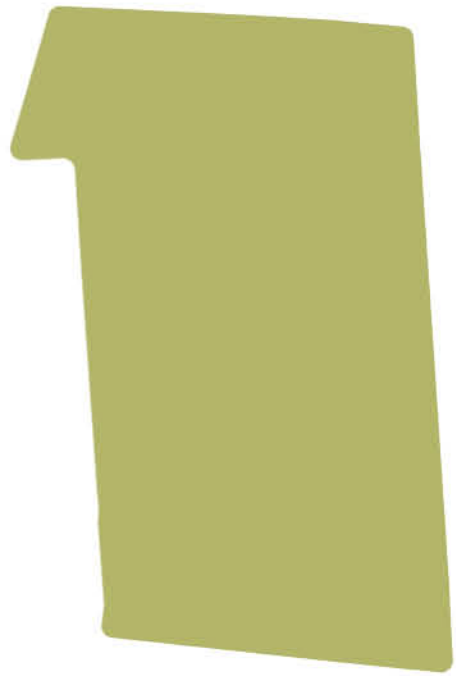
WEST ASHLEY

JAMES ISLAND

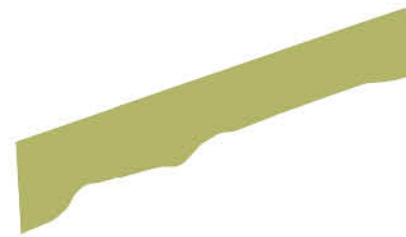
# SCALE COMPARISONS



**LOWLINE**  
40 ACRES



**HAMPTON PARK**  
60 ACRES



**BRITTLEBANK PARK**  
17 ACRES



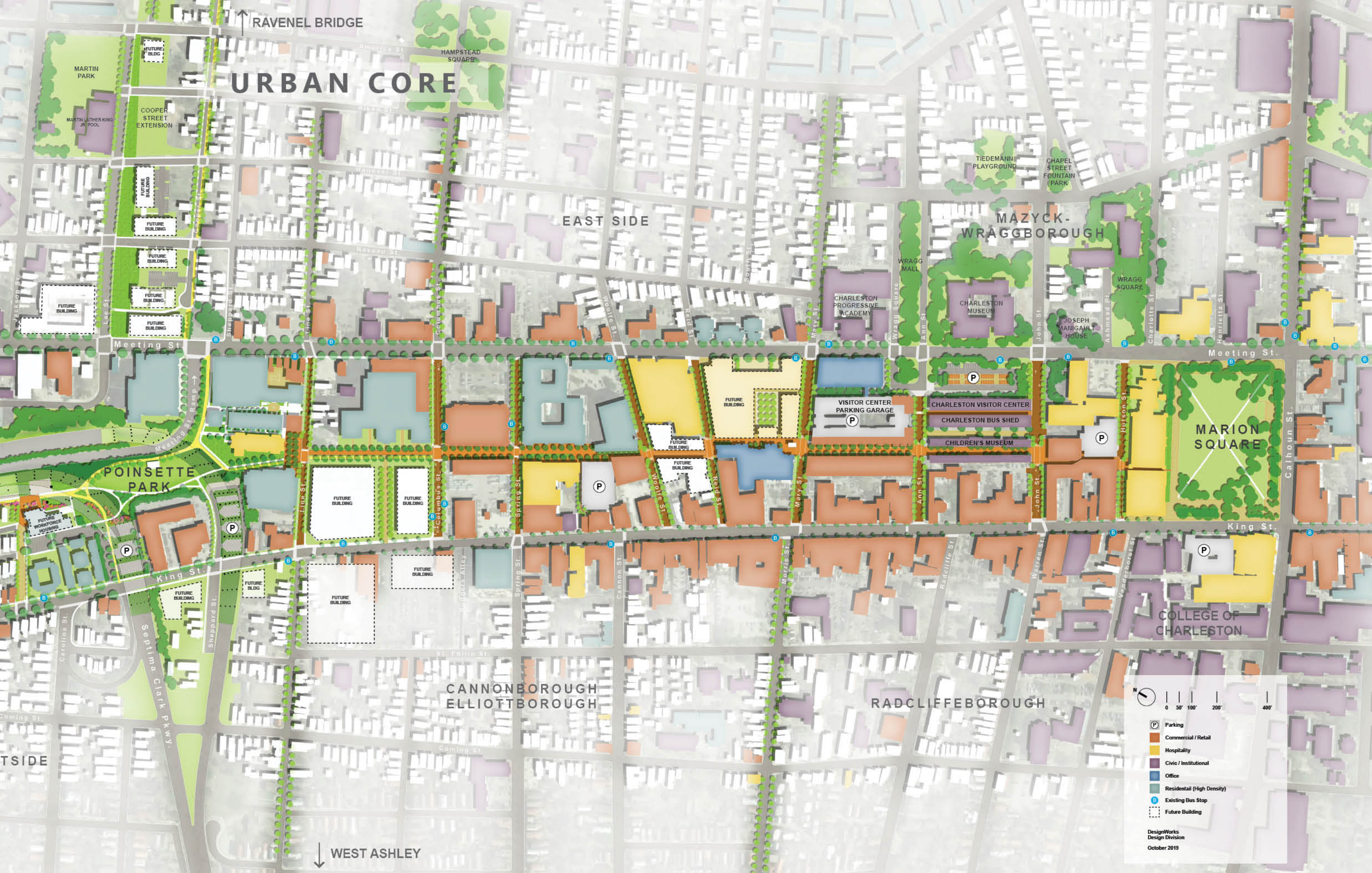
**MARION SQUARE**  
6 ACRES



**WATERFRONT PARK**  
4 ACRES



# URBAN CORE



**Legend**

- (P) Parking
- Commercial / Retail
- Hospitality
- Civic / Institutional
- Office
- Residential (High Density)
- (B) Existing Bus Stop
- Future Building

DesignWorks  
Design Division  
October 2019





# THE NORTH CENTRAL CORRIDOR

← NORTH CHARLESTON

↑ LAUREL ISLAND

↑ LAUREL ISLAND

PROPOSED BRIDGE



EAST CENTRAL

THE COLUMNS

NEWMARKET PARK

NORTH CENTRAL

WAGENER TERRACE

↓ HAMPTON PARK

TRANSIT HUB GATEWAY

MEETING STREET ACADEMY

AMERICAN COLLEGE OF THE BUILDING ARTS

CHARLESTON CHARTER SCHOOL FOR MATH AND SCIENCE

JAMES SIMONS ELEMENTARY SCHOOL

ENSTON HOMES

THE CHARLESTON CATHOLIC SCHOOL

SINGLETON PARK

VIVIAN ANDERSON MOULTRIE PLAYGROUND

MORRISON DRIVE REALIGNMENT

NEWMARKET CREEK

US HIGHWAY 17

Norfolk Southern Railroad

Meeting St

King St

Morrison Dr.

Brigade St

William St

Isabelle St

Romney St

Conroy St

Cool Blow St

Cady St

Huger St

Stuart St

Laurel Ave

Edgington Ave

Residence Ave

Wagner Ave

St. Soveri St

Peachtree St

Cypress St

Maple St

Lenox St

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