



David Waggoner

Waggoner & Ball

FIT FOR PURPOSE

PARKS WITHOUT BORDERS

WESTERSINGEL, ROTTERDAM
INTEGRATED FLOOD PROTECTION

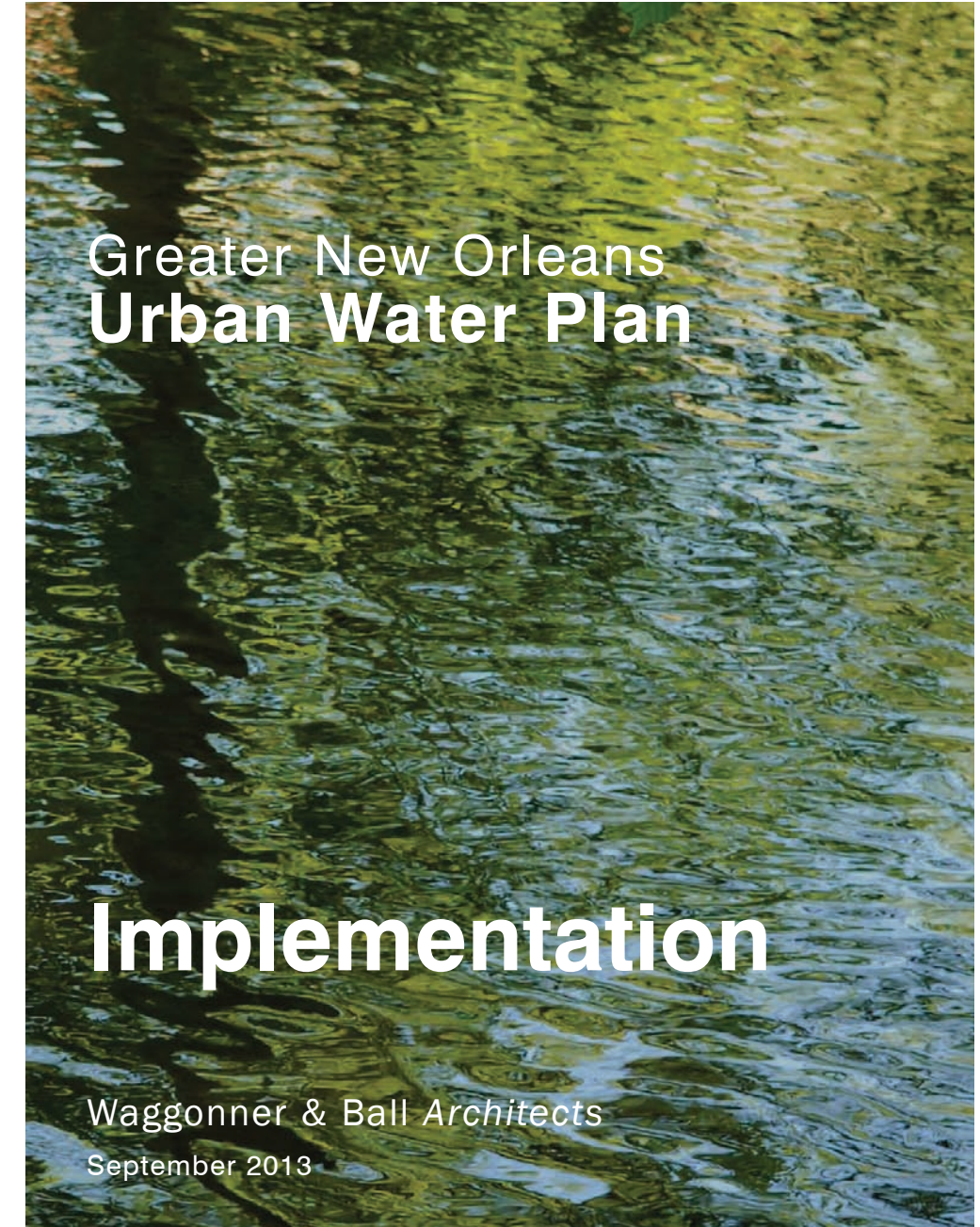
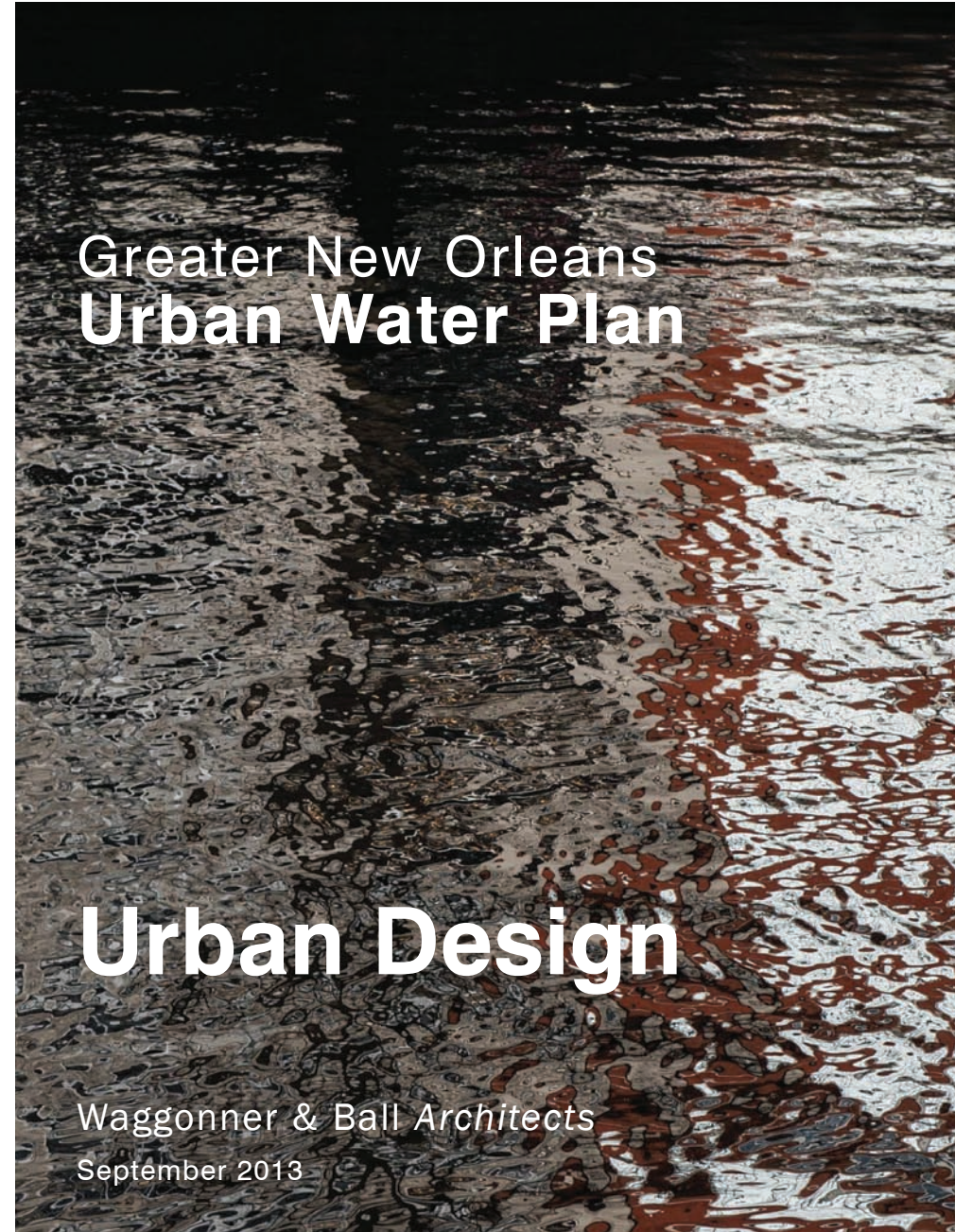
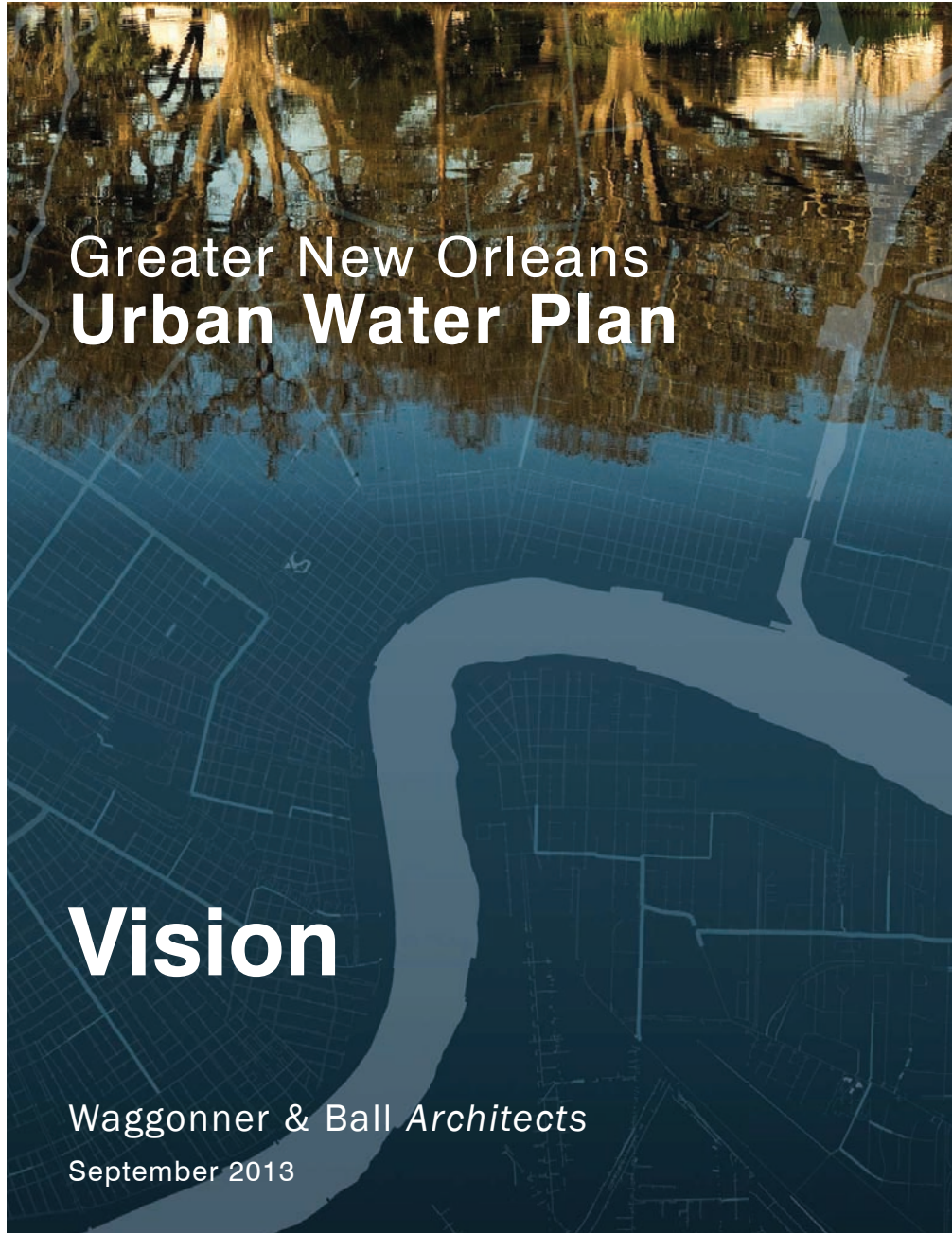


ROTTERDAM
ROSE PLAN, 1854

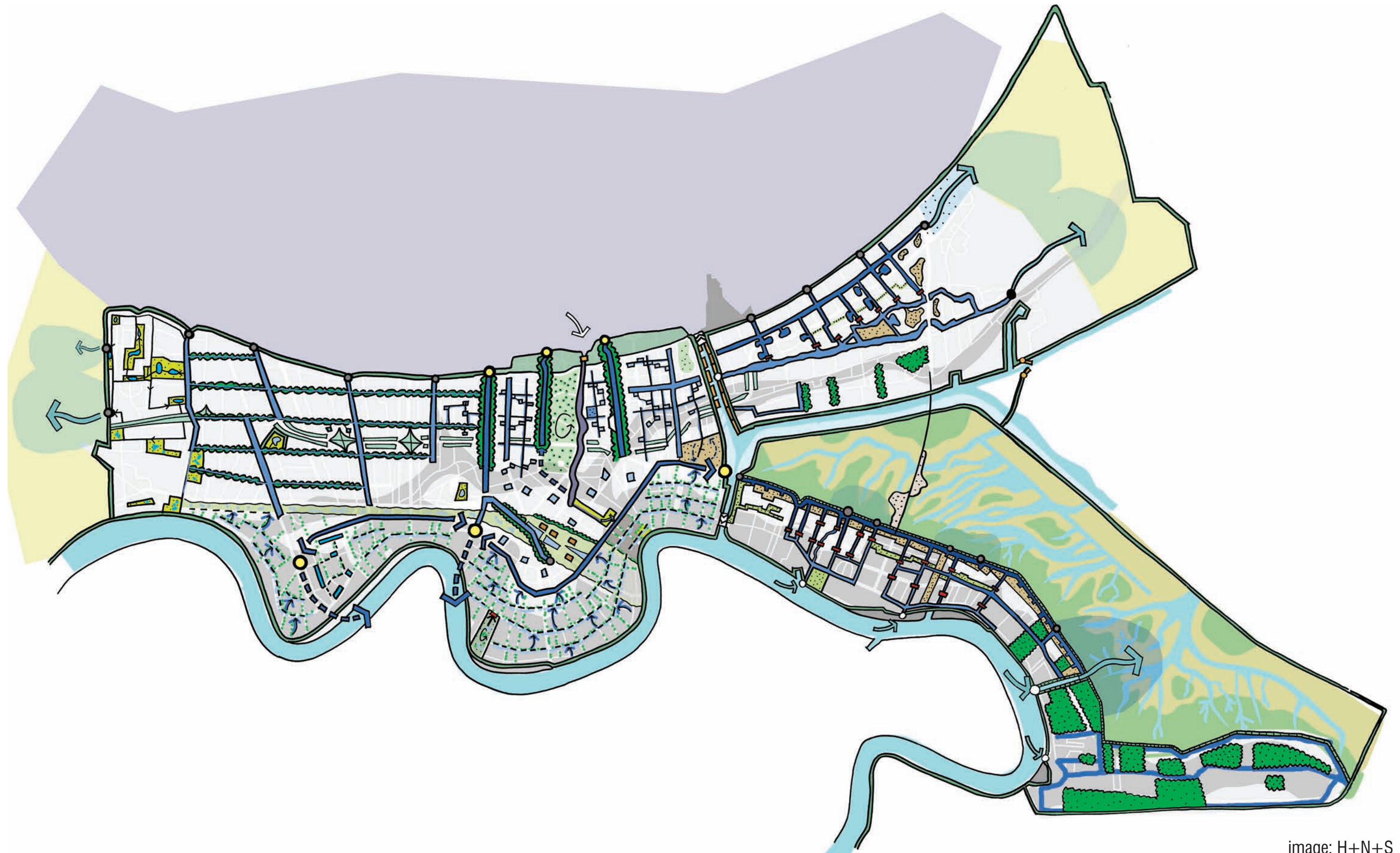


WESTERSINGEL, ROTTERDAM
INTEGRATED FLOOD PROTECTION





GREATER NEW ORLEANS URBAN WATER PLAN
LIVING WATER SYSTEM



GREATER NEW ORLEANS URBAN WATER PLAN
LOWLAND CANALS: TYPICAL CONDITION



GREATER NEW ORLEANS URBAN WATER PLAN
LOWLAND CANALS: PROPOSED CONDITION



NEW ORLEANS
WALLY PONTIFF PARK



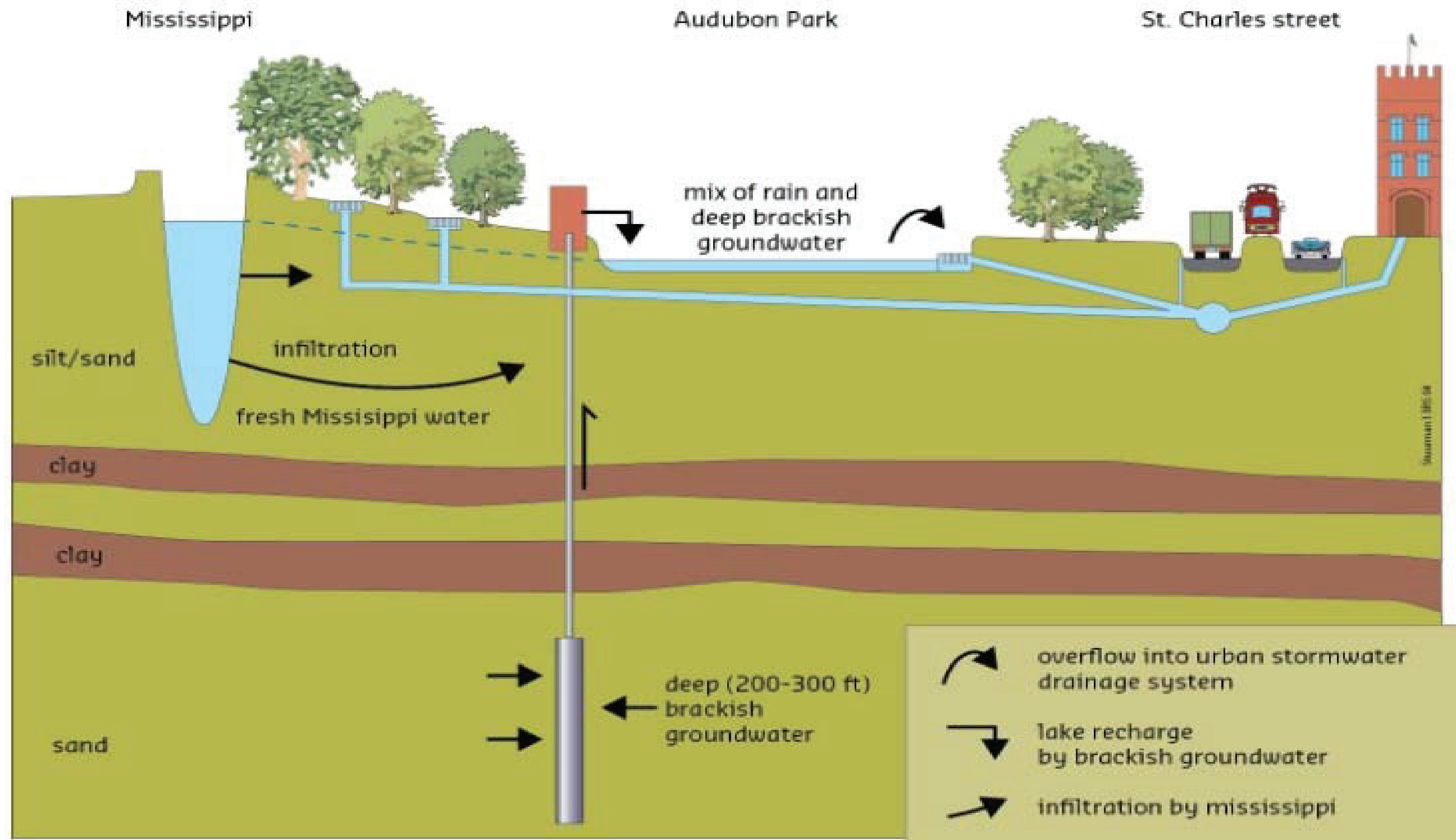


NEW ORLEANS
AUDUBON PARK

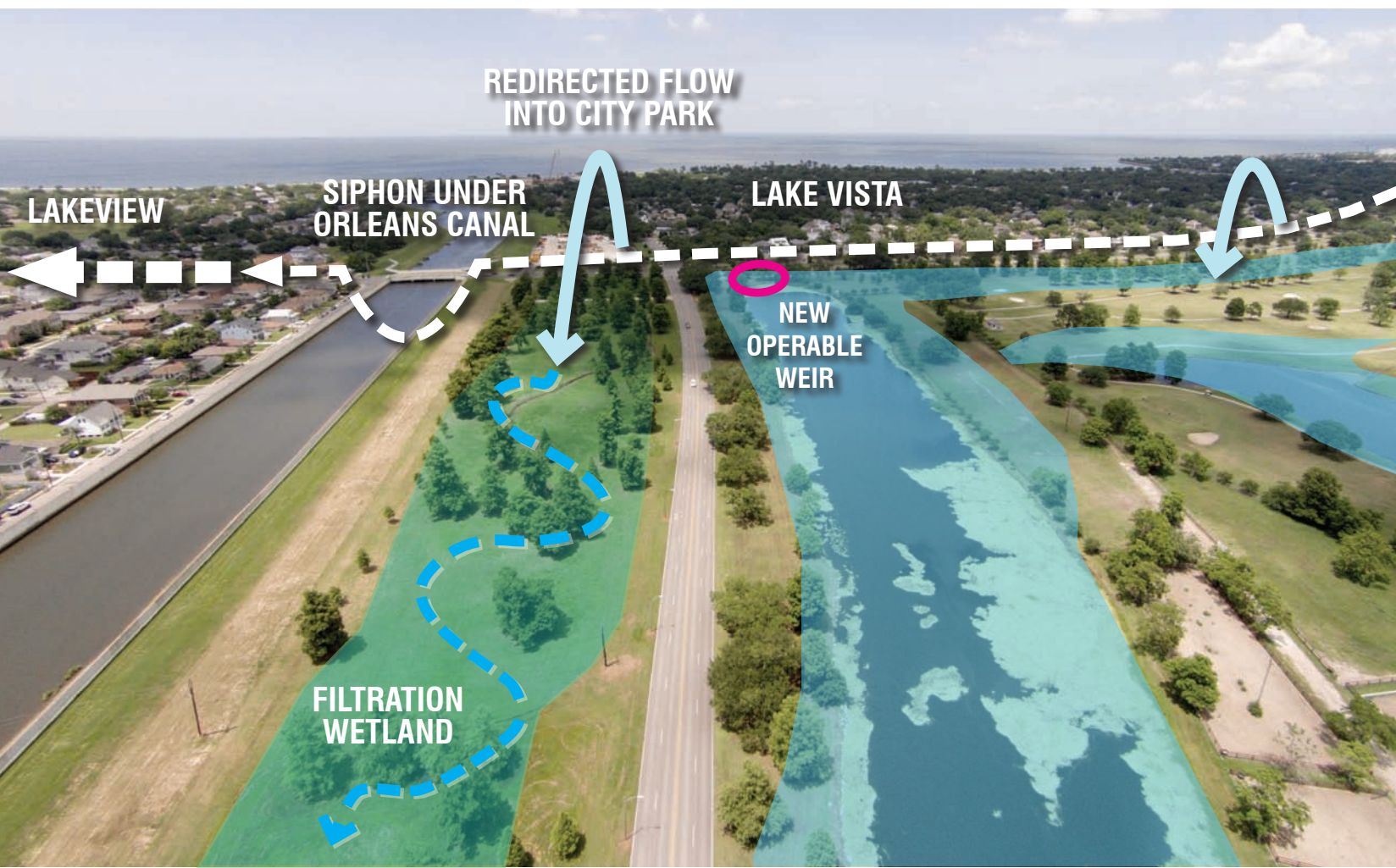
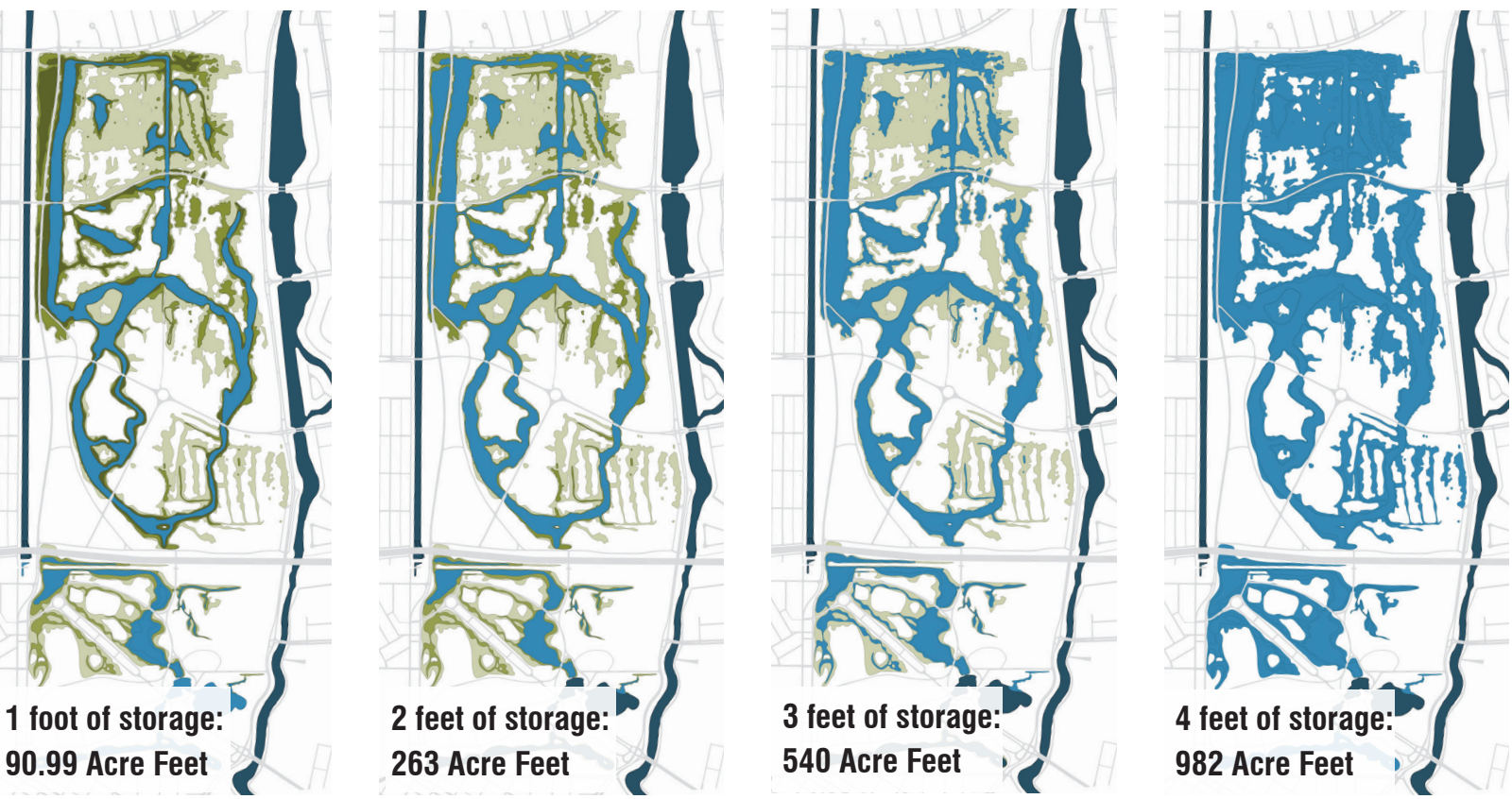


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NEW ORLEANS AUDUBON PARK



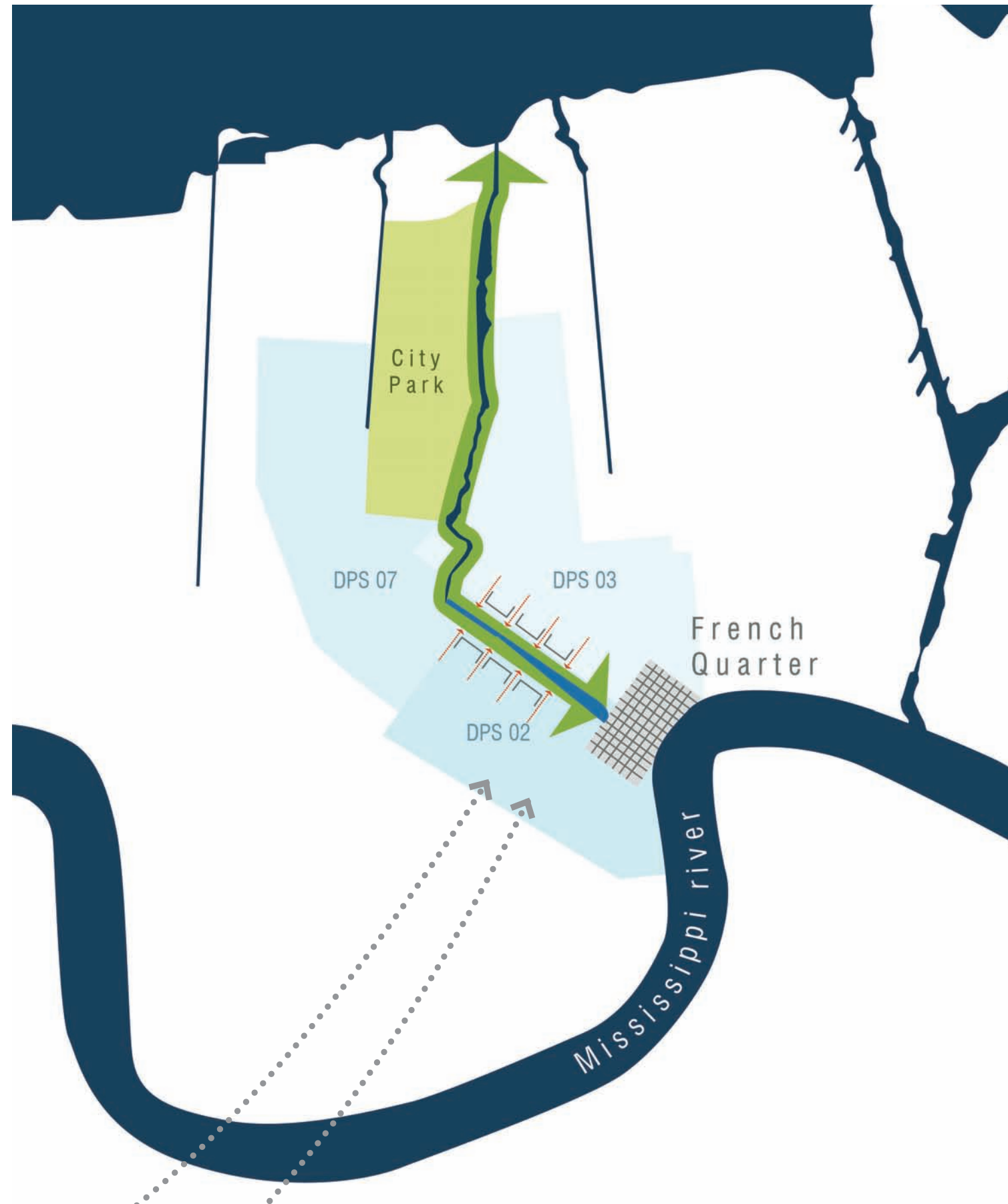
NDRC NEW ORLEANS CITY PARK



NDRC NEW ORLEANS
CITY PARK



LAFITTE GREENWAY SUSTAINABLE WATER DESIGN
HISTORIC CONNECTIONS



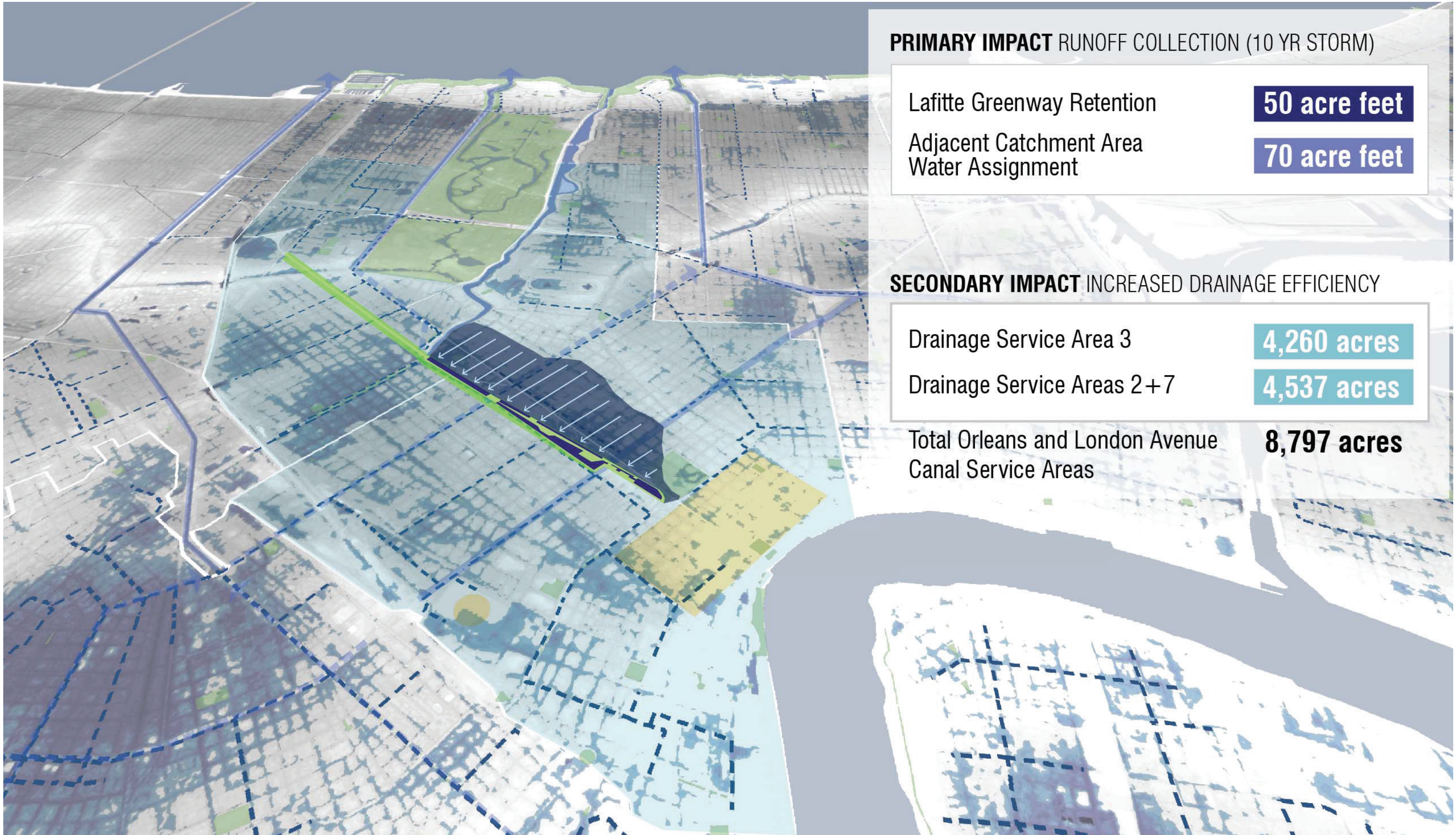
NEW ORLEANS
BAYOU ST. JOHN



LAFITTE GREENWAY SUSTAINABLE WATER DESIGN
EXISTING CONDITION: OUTFALL CANAL



GREATER NEW ORLEANS URBAN WATER PLAN
LAFITTE BLUEWAY - DRAINAGE IMPACT



PRIMARY IMPACT RUNOFF COLLECTION (10 YR STORM)

Lafitte Greenway Retention

50 acre feet

Adjacent Catchment Area
Water Assignment

70 acre feet

SECONDARY IMPACT INCREASED DRAINAGE EFFICIENCY

Drainage Service Area 3

4,260 acres

Drainage Service Areas 2+7

4,537 acres

Total Orleans and London Avenue
Canal Service Areas

8,797 acres

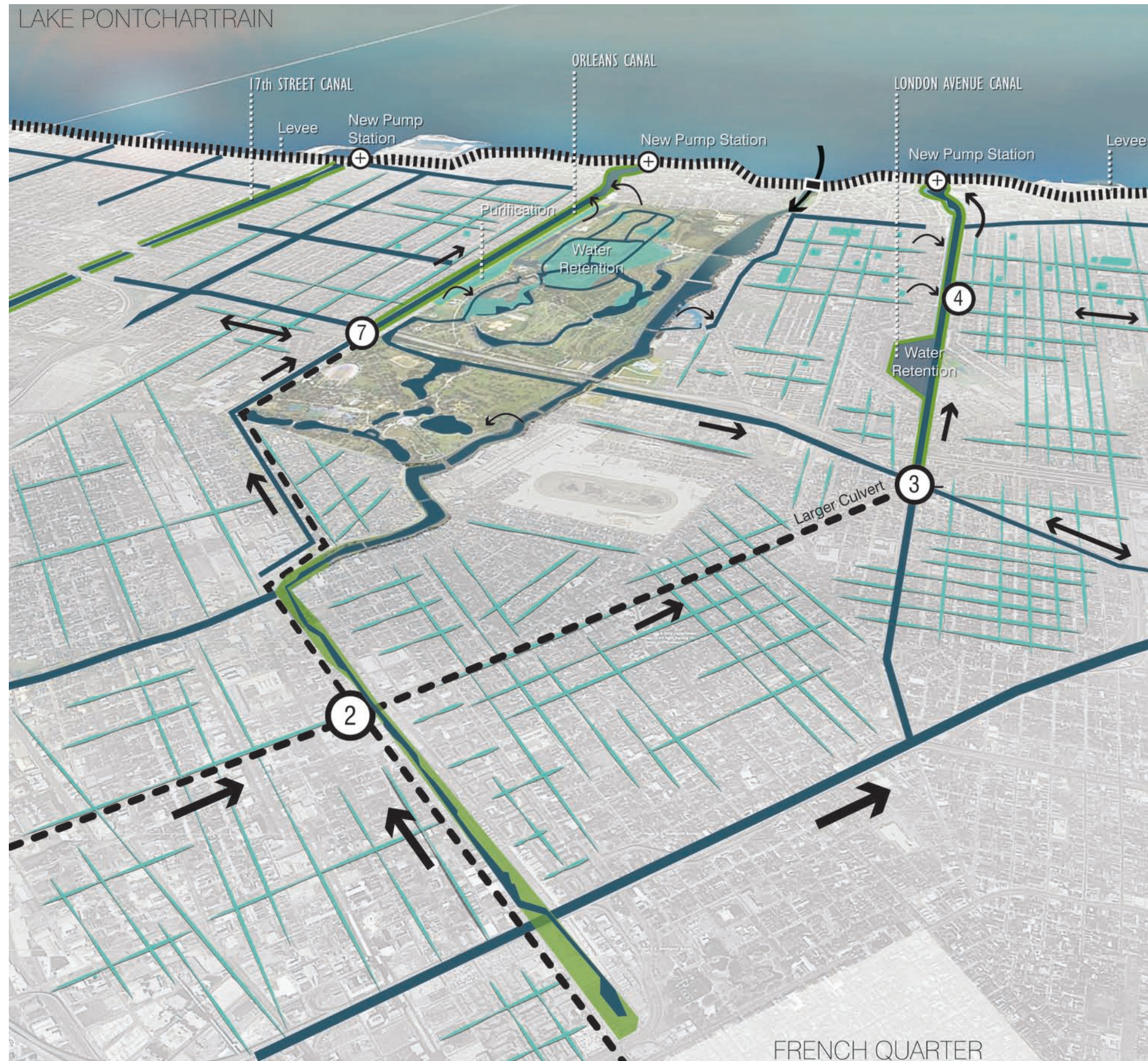
GREATER NEW ORLEANS URBAN WATER PLAN
LAFITTE BLUEWAY



GREATER NEW ORLEANS URBAN WATER PLAN
LAFITTE BLUEWAY - WET



GREATER NEW ORLEANS URBAN WATER PLAN LOWLAND CANAL NETWORK



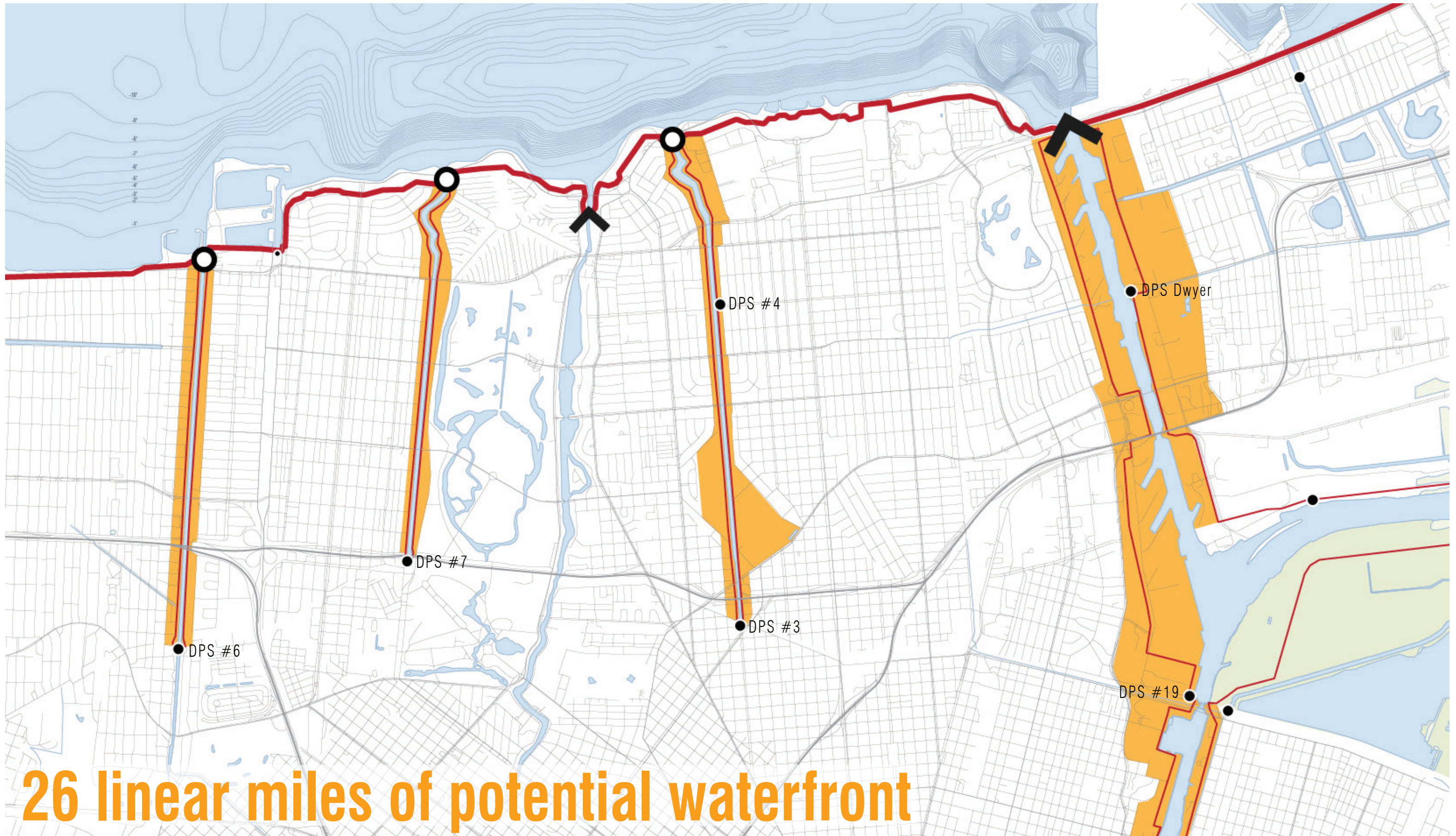
GREATER NEW ORLEANS URBAN WATER PLAN
OUTFALL CANALS



NDRC NEW ORLEANS
ORLEANS AVENUE CANAL



GREATER NEW ORLEANS URBAN WATER PLAN
RECLAIMED WATERFRONTS



GREATER NEW ORLEANS URBAN WATER PLAN
OUTFALL CANAL



SINGAPORE
BISHAN PARK

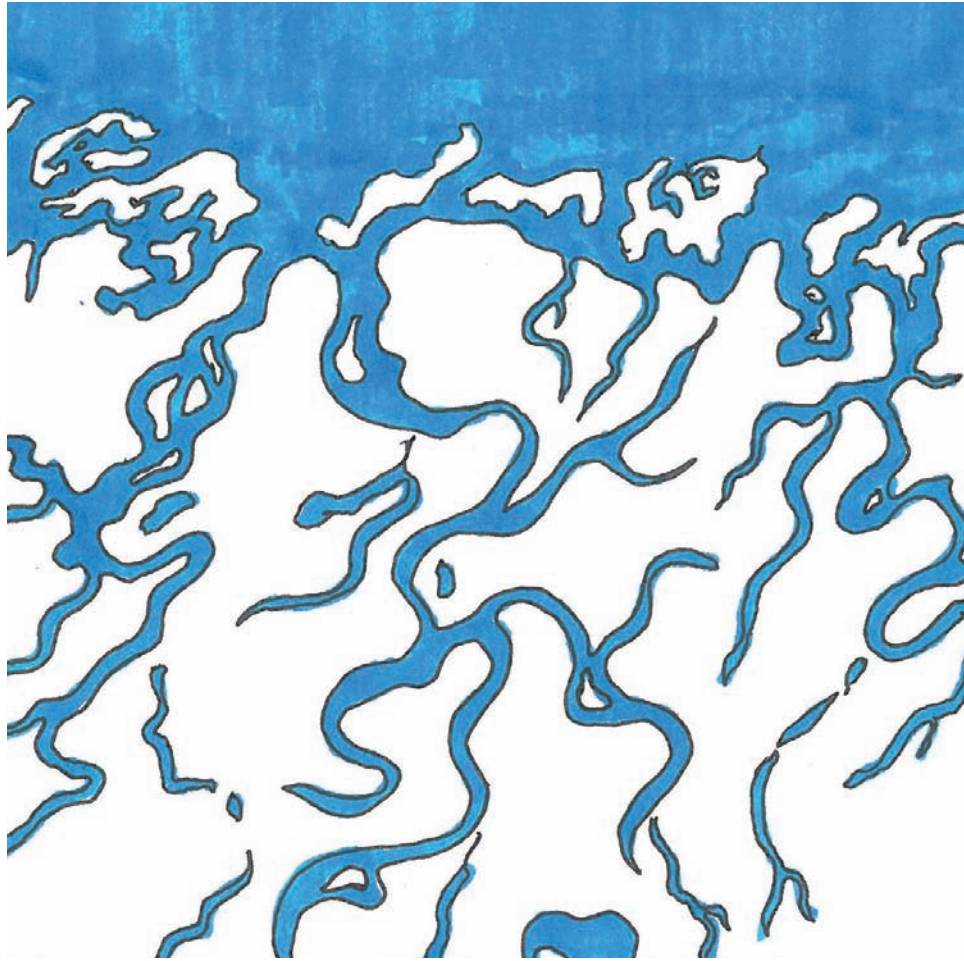


SINGAPORE
BISHAN PARK



JAKARTA
TAMAN SITU LEMBANG





PAST



CURRENT



FUTURE

NDRC NEW ORLEANS PROJECTS



NEW ORLEANS
DRAINING THE SWAMP



source: New Orleans Public Library

NDRC NEW ORLEANS
BLUE-GREEN CORRIDORS



NDRC NEW ORLEANS BENEFIT COST ANALYSIS

Environmental + Social Value:

\$5.2 Million

Reduced Damage from 5 Year Flood:

\$20.1 Million

Road Maintenance Cost Reduction
Associated with Subsidence:

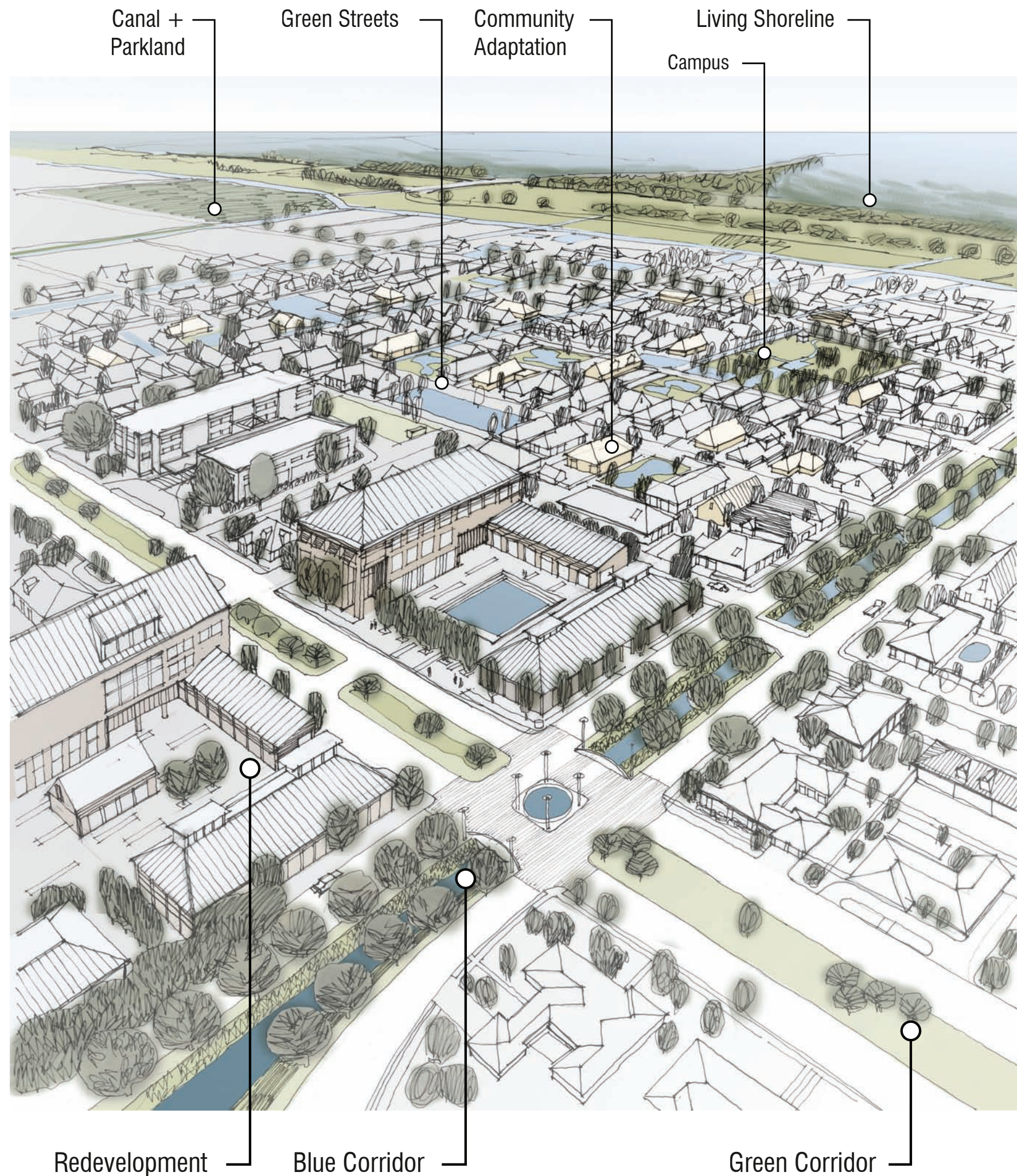
\$123.8 Million

Increased Property Values:

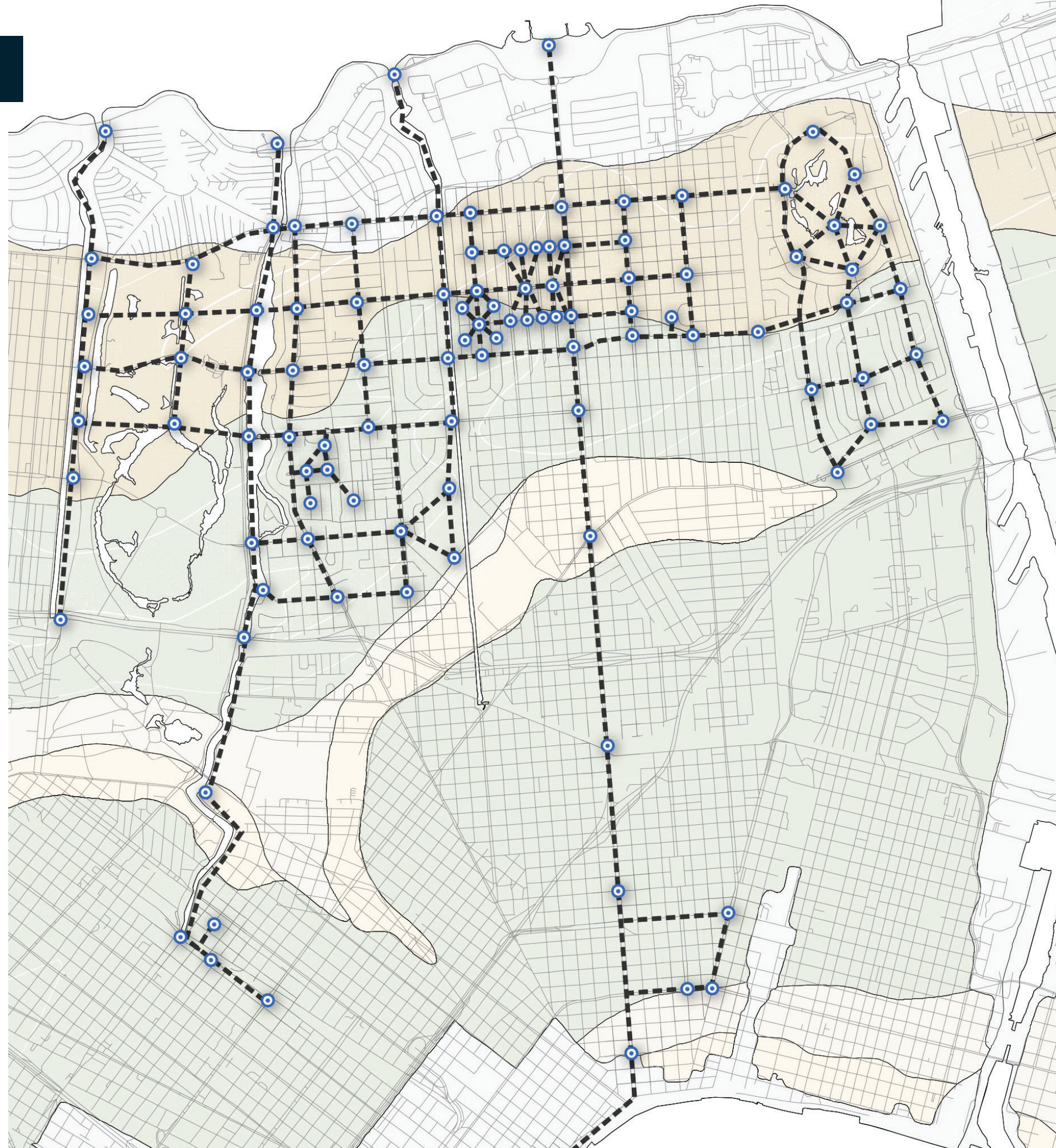
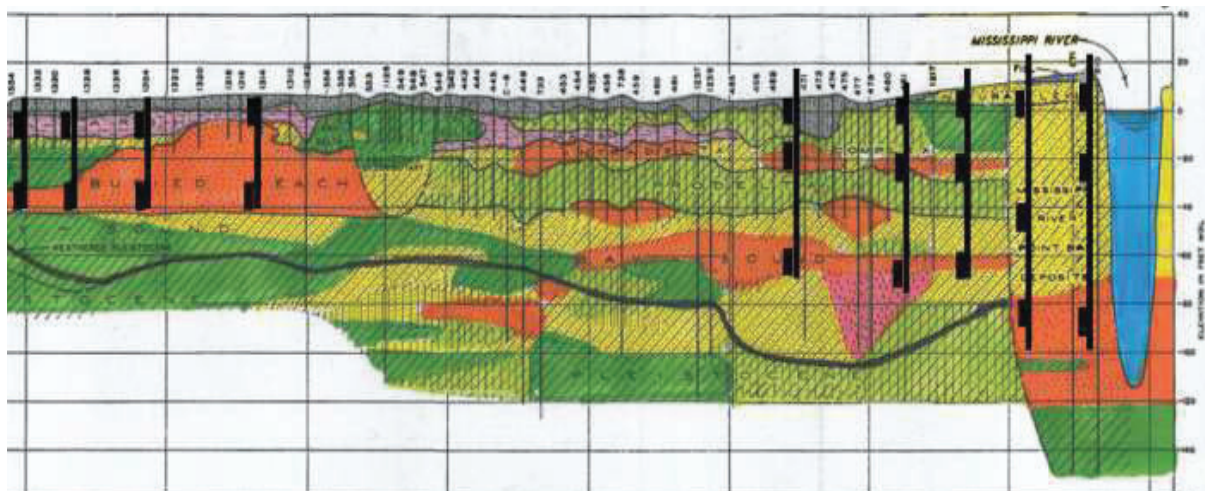
\$392.5 Million

Benefit Cost Ratio:

3.6 to 1



NDRC NEW ORLEANS GROUNDWATER MONITORING NETWORK



**NDRC NEW ORLEANS
MIRABEAU WATER GARDENS**

