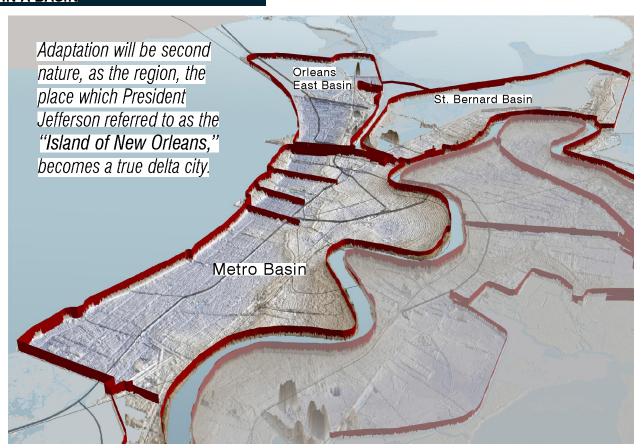
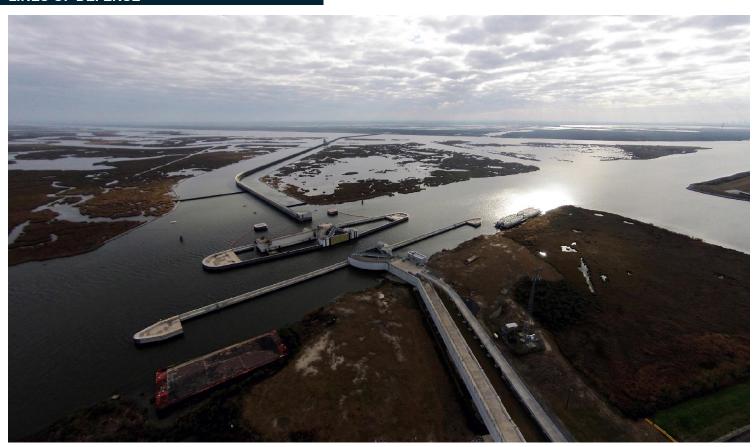


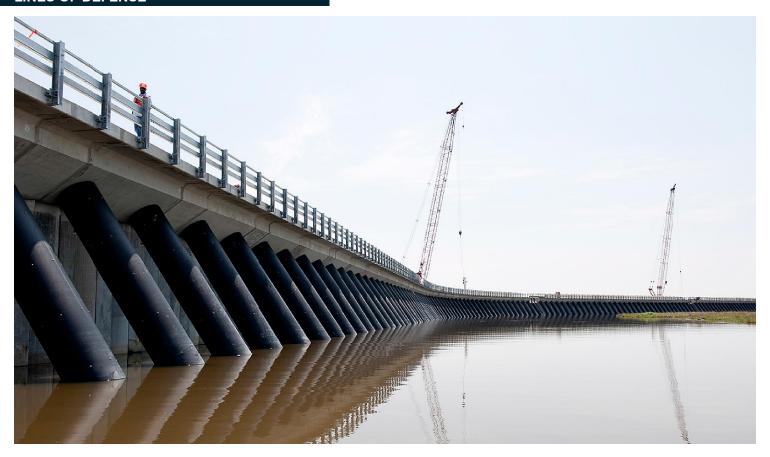
GREATER NEW ORLEANS URBAN WATER PLAN LIVING IN A BASIN



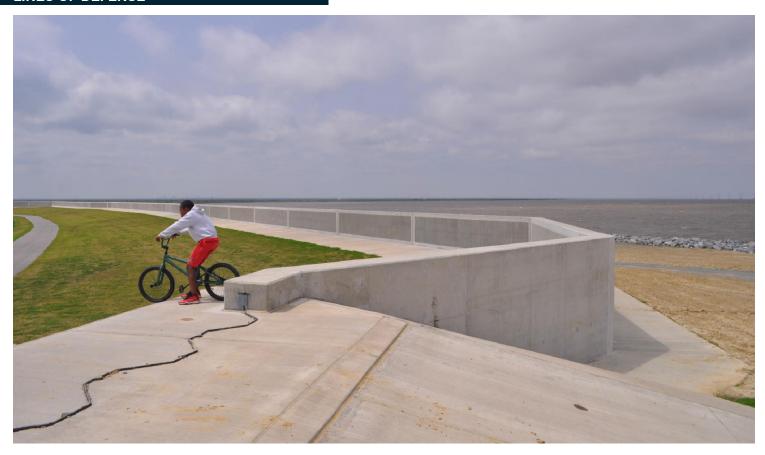
NEW ORLEANS LINES OF DEFENSE



NEW ORLEANS LINES OF DEFENSE



NEW ORLEANS LINES OF DEFENSE

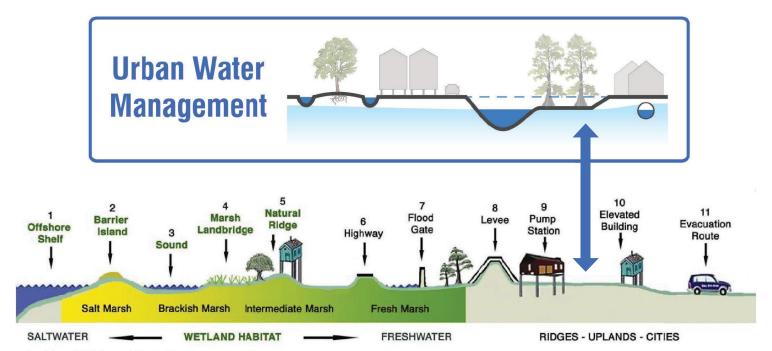


DUTCH DIALOGUES LIVING LINES OF DEFENSE

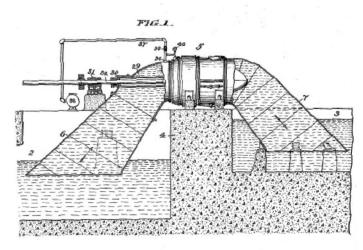




NEW ORLEANS MULTIPLE LINES OF DEFENSE



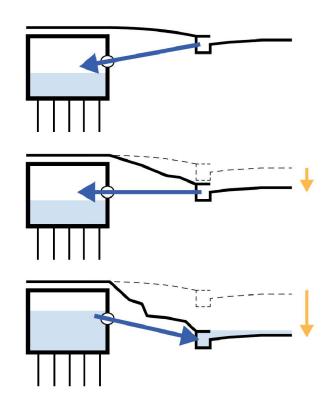
Louisiana 2007 Coastal Master Plan



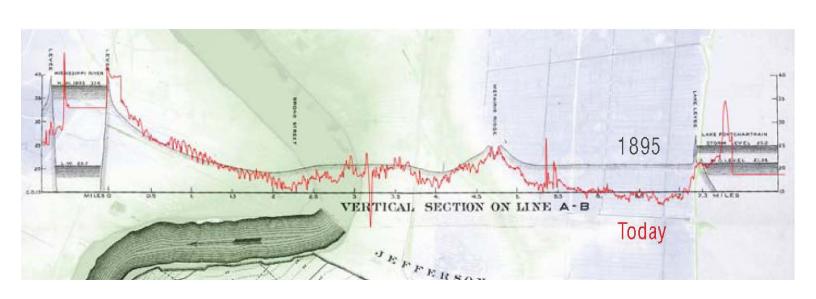


NEW ORLEANS DRAINAGE SYSTEM





NEW ORLEANS SUBSIDENCE OVER TIME

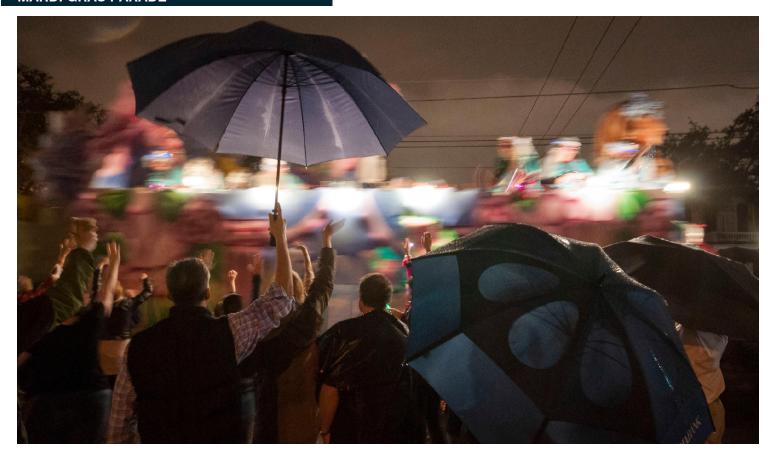


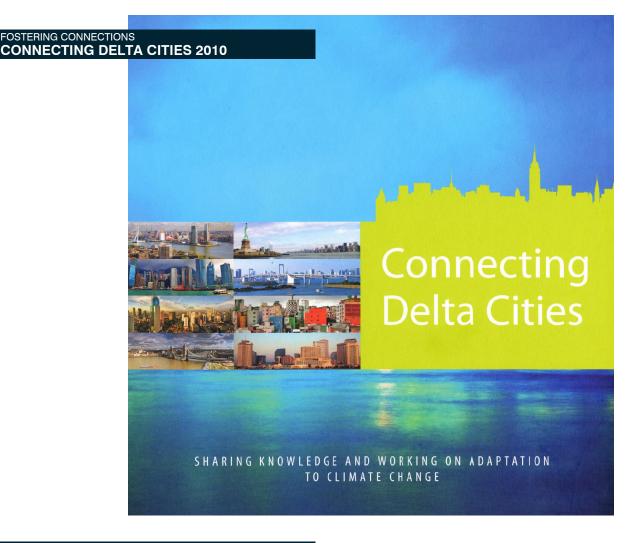
ARCHITECTURE MADAME JOHN 'S LEGACY





CULTURE MARDI GRAS PARADE





GREATER NEW ORLEANS URBAN WATER PLAN PROBLEMS IDENTIFIED



1 Drainage systems are regularly overwhelmed by too much runoff, causing flooding

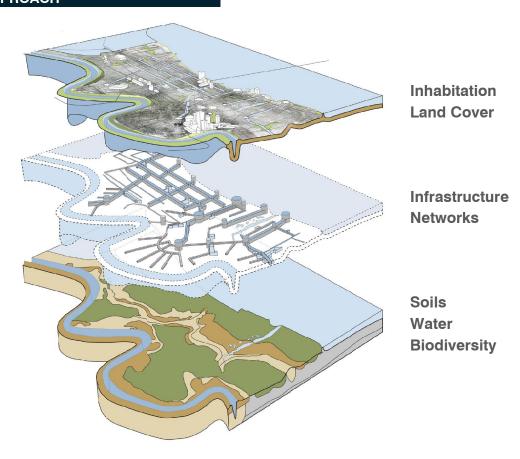


2 Excessive pumping causes the land to sink by lowering groundwater levels

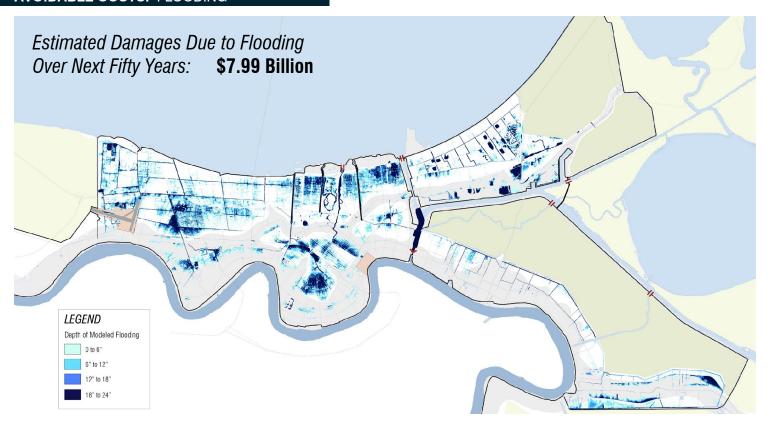


3 Critical water assets are wasted, hidden behind walls, buried underground, or pumped out of the city

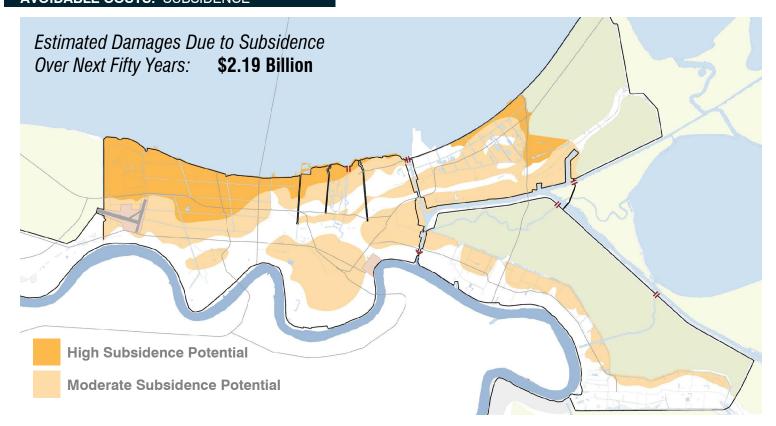
LIVING WITH WATER PLANNING APPROACH

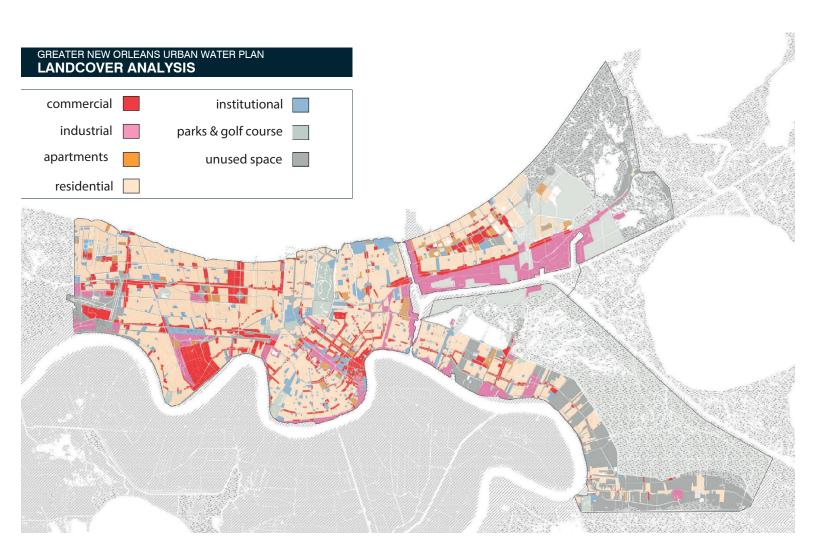


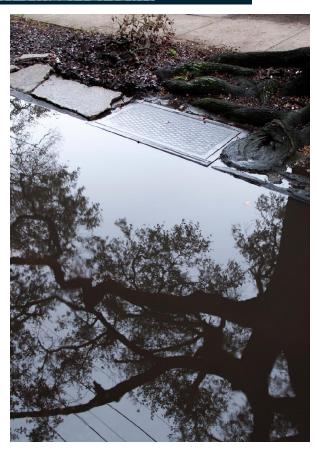
GREATER NEW ORLEANS URBAN WATER PLAN AVOIDABLE COSTS: FLOODING



GREATER NEW ORLEANS URBAN WATER PLAN AVOIDABLE COSTS: SUBSIDENCE



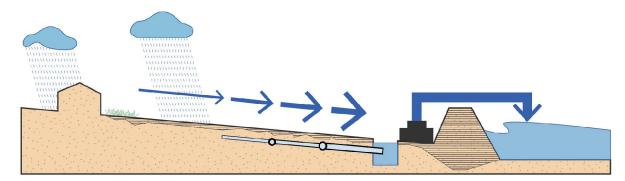




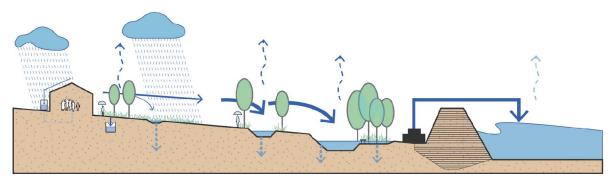
Street flooding results from a combination of topographical conditions and overwhelmed drainage systems. Ridges, created by features like streetcar lines, railways, and roadways, trap runoff that flows from areas upslope. Street catch basin Water also backs up where catch basins are clogged or outflow pipes are undersized ("point sources"). Replacing pipes and drains with larger pipes and drains can solve some flooding problems, but these solutions are far more expensive than retention features and other measures to

reduce runoff, and they yield few corollary benefits.

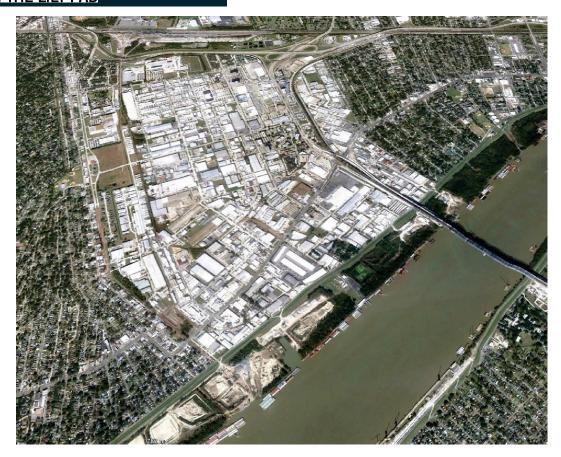
GREATER NEW ORLEANS URBAN WATER PLAN WATER MANAGEMENT PARADIGM

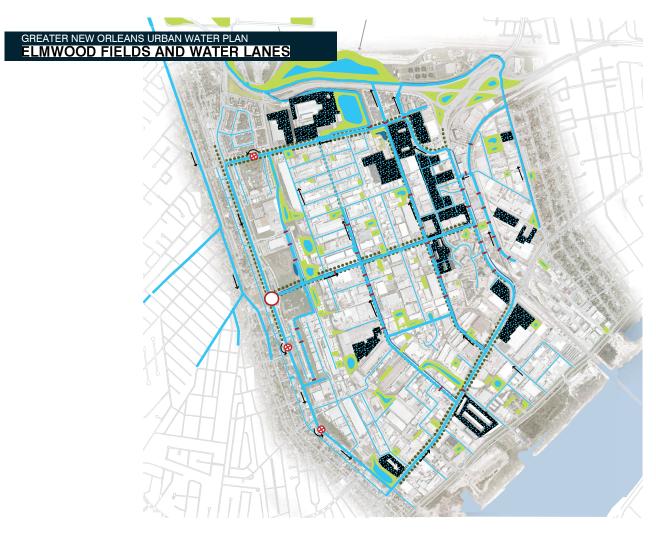


Pipe - Pump - Drain

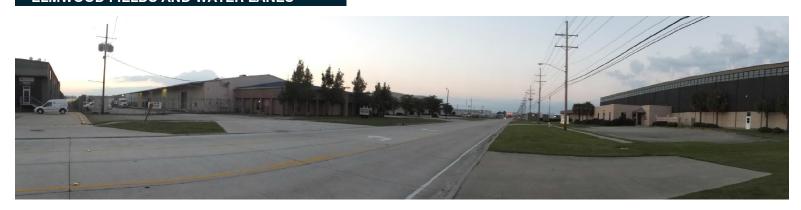


Slow Store Drain





GREATER NEW ORLEANS URBAN WATER PLAN ELMWOOD FIELDS AND WATER LANES



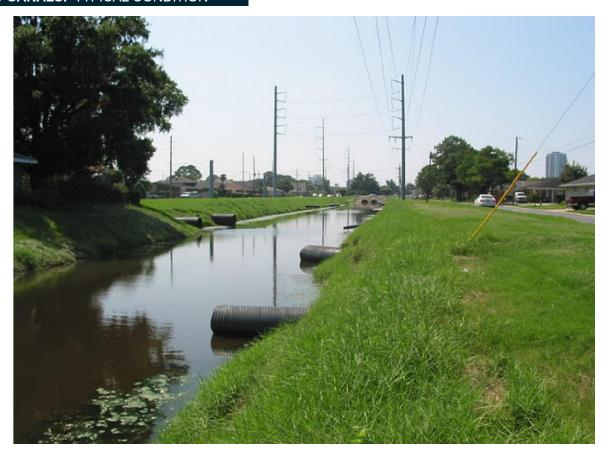


GREATER NEW ORLEANS URBAN WATER PLAN ELMWOOD FIELDS AND WATER LANES





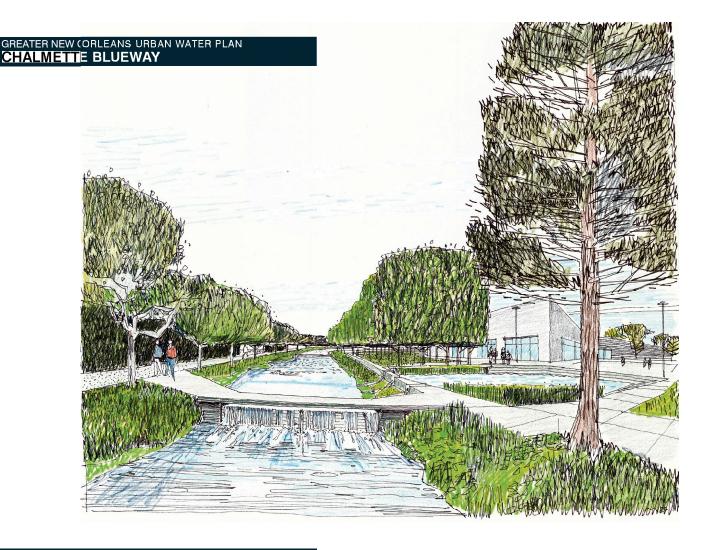
GREATER NEW ORLEANS URBAN WATER PLAN LOWLAND CANALS: TYPICAL CONDITION



GREATER NEW ORLEANS URBAN WATER PLAN LOWLAND CANALS: PROPOSED CONDITION







GREATER NEW ORLEANS URBAN WATER PLAN NEW ORLEANS EAST EXISTING









GREATER NEW ORLEANS URBAN WATER PLAN NEW ORLEANS EAST

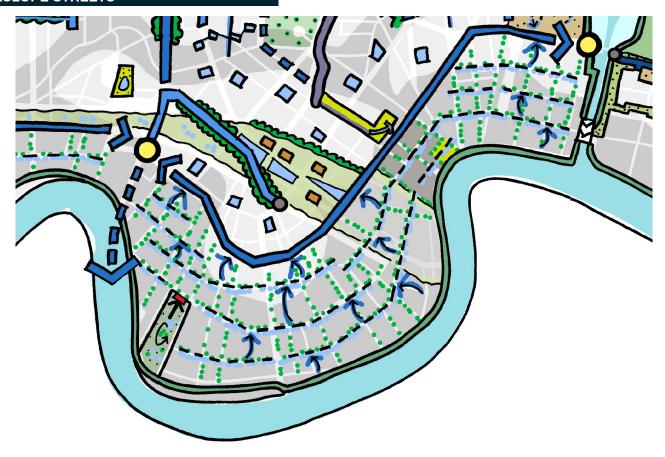


GREATER NEW ORLEANS URBAN WATER PLAN NEW ORLEANS EAST

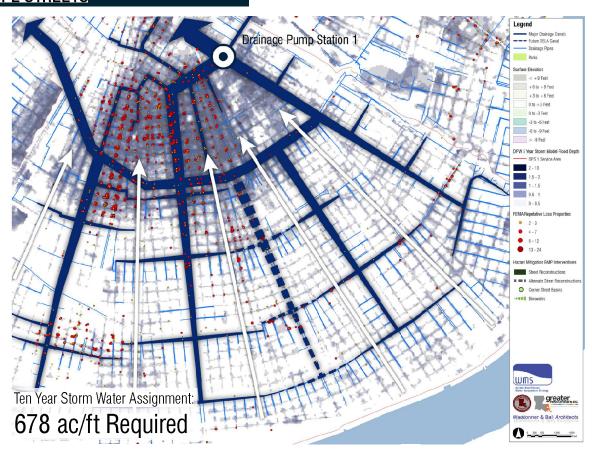




GREATER NEW ORLEANS URBAN WATER PLAN **BACKSLOPE STREETS**

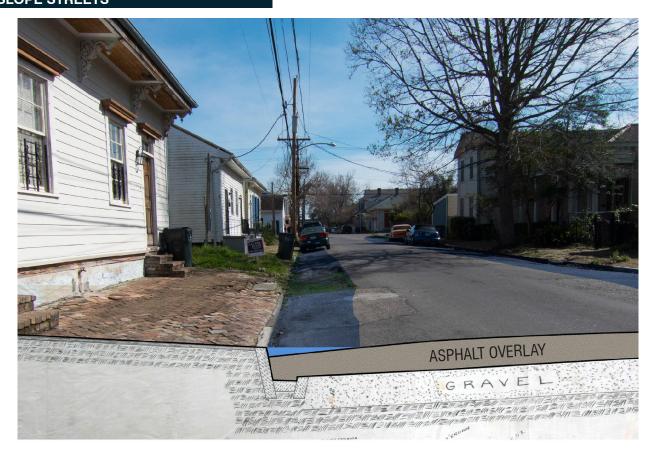


GREATER NEW ORLEANS URBAN WATER PLAN BACKSLOPE STREETS

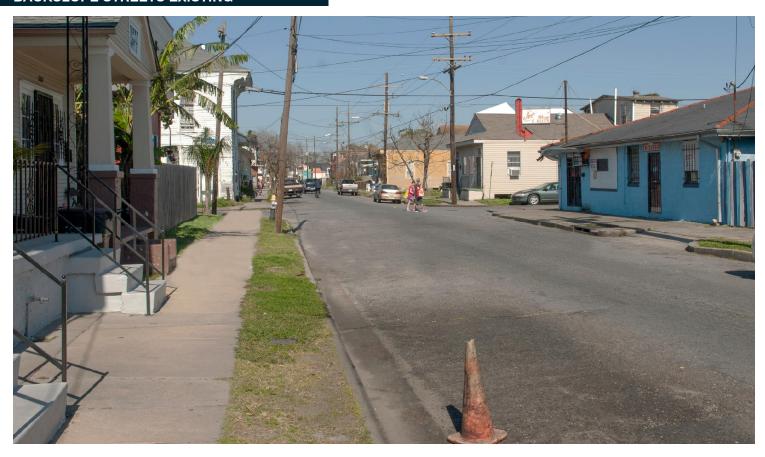


GREATER NEW ORLEANS URBAN WATER PLAN BACKSLOPE STREETS



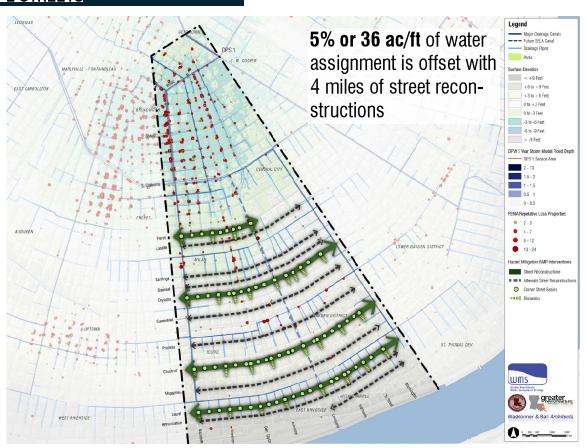


GREATER NEW ORLEANS URBAN WATER PLAN **BACKSLOPE STREETS EXISTING**

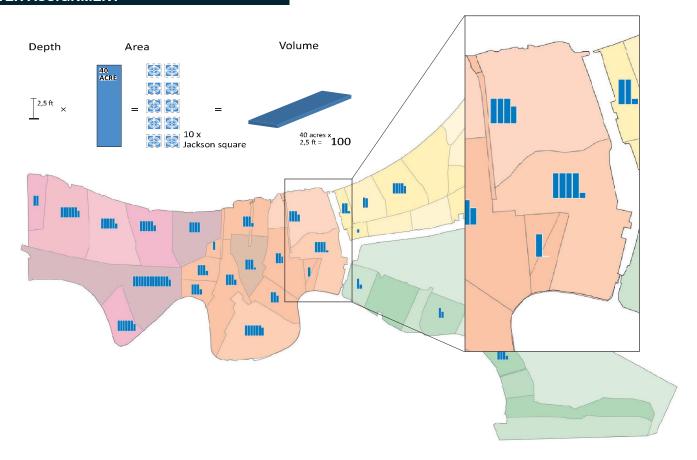




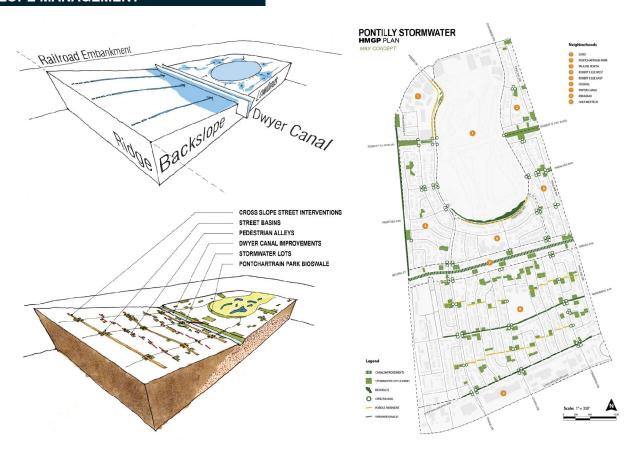
GREATER NEW ORLEANS URBAN WATER PLAN BACKSLOPE STREETS

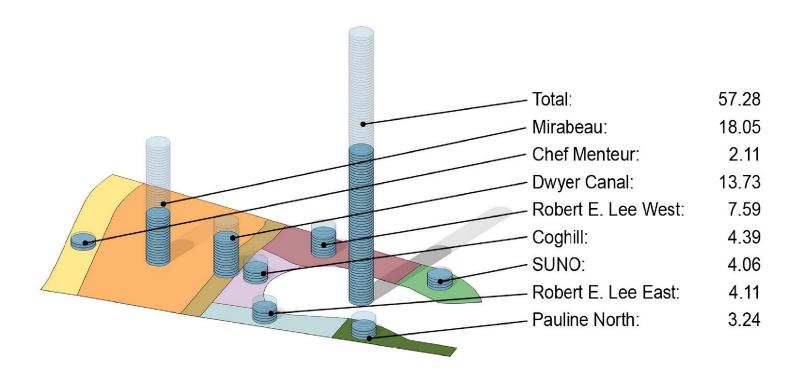


10 YEAR STORM WATER ASSIGNMENT



PONTILLY HAZARD MITIGATION GRANT BACKSLOPE MANAGEMENT





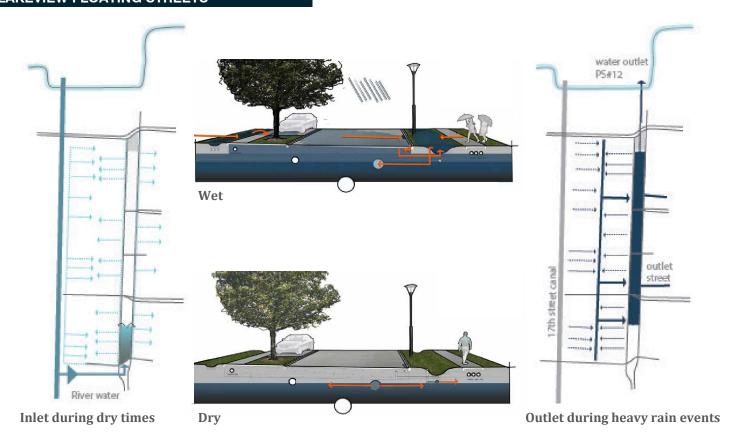
PONTILLY HAZARD MITIGATION GRANT URBAN NETWORK

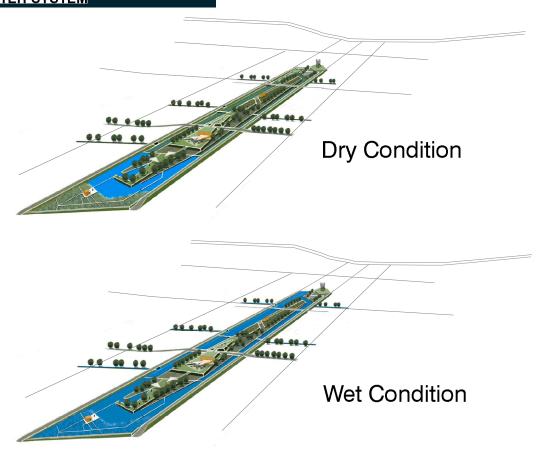






GREATER NEW ORLEANS URBAN WATER PLAN LAKEVIEW FLOATING STREETS



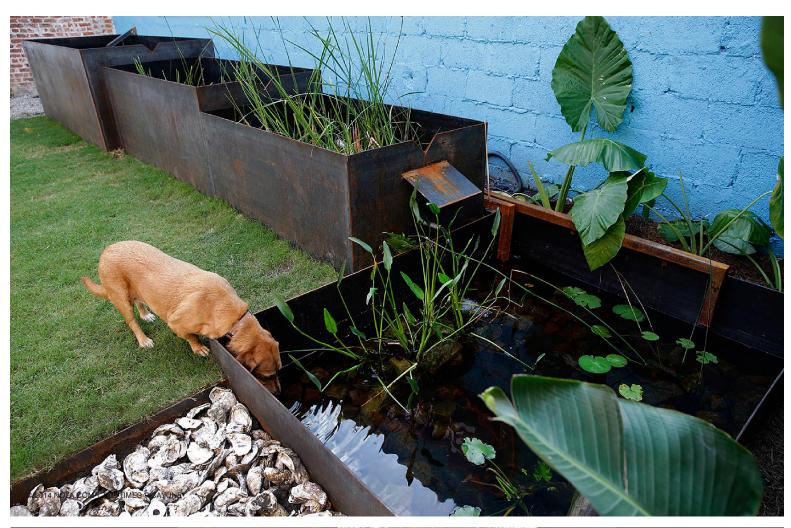


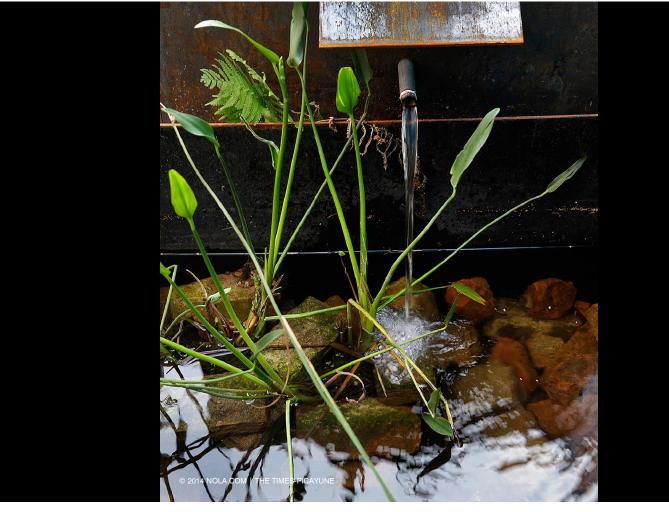
GREATER NEW ORLEANS URBAN WATER PLAN LAKEVIEW AND BUCKTOWN











PUBLIC HEARING DRAFT JULY, 2014

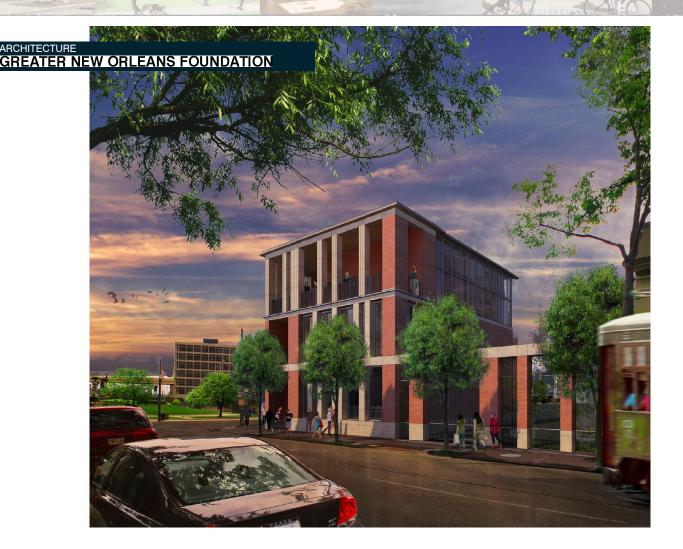
ARTICLE 23. LANDSCAPE, STORMWATER MANAGEMENT, & **SCREENING**

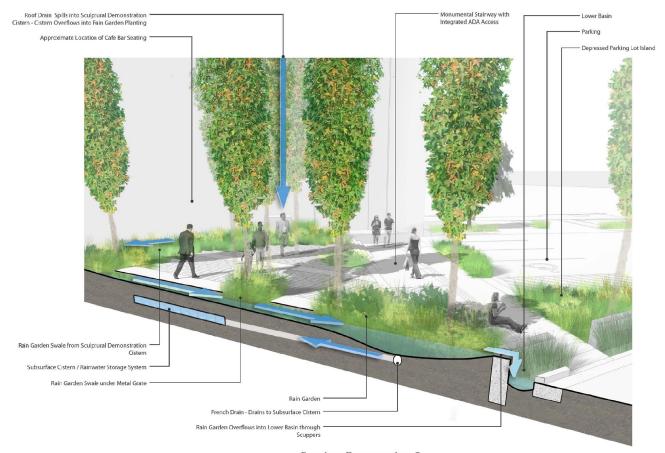
- **PURPOSE** 23.1
- **ENFORCEMENT OF LANDSCAPE PROVISIONS** 23.2
- 23.3 LANDSCAPE AND STORMWATER MANAGEMENT PLANS
- 23.4 SELECTION, INSTALLATION, AND MAINTENANCE OF PLANT MATERIALS
- **GENERAL LANDSCAPE DESIGN STANDARDS** 23.5
- **BUILDING FOUNDATION LANDSCAPE AND LANDSCAPE YARDS**
- PARKING LOT LANDSCAPE 23.7
- **BUFFER YARDS** 23.8
- REQUIRED LANDSCAPE ILLUSTRATION 23.9
- 23.10 TREE PRESERVATION
- 23.11 PARKWAY TREES
- 23.12 STORMWATER MANAGEMENT REQUIREMENTS 23.13 SCREENING REQUIREMENTS

23.1 **PURPOSE**

The landscape, stormwater management, and screening requirements established by this Article are intended to:

Assist in the development of a sustainable New Orleans by encouraging sustainable practices for landscape design, construction and landscape maintenance.







Section Perspective 2
Greater New Orleans Foundation Headquarters
New Orleans, LA
June 20, 2014

GROUNDWORK CAFFIN EARTHLAB S&WB GRANT



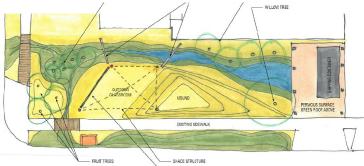






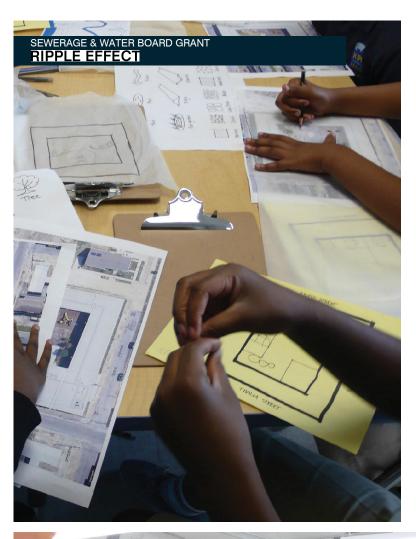












Ripple Effect

At the core of our project is a three-part collaboration between teachers, design experts and water experts.

- Teachers contribute knowledge of curriculum design and implementation.
- Design professionals and educators contribute knowledge of visual, hands-on, and experiential learning.
- Water experts contribute content expertise in international and local water issues.

WATER COLLABORATIVE

ADVOCACY · COMMUNITY EDUCATION · K-12 EDUCATION BUILDERS & DESIGNERS · RESEARCH & POLICY

APA Louisiana · Bayou Land RC&D · Blue Crab Labs · CDM Smith · City of New Orleans DPW · City Park · City Porch Realty Committee for a Better New Orleans · Common Ground Relief · Concordia · Cry You One · CSED · Dana Brown and Associates DisasterMap.net · EcoUrban · Energy Wise Alliance · Evans + Lighter · Feldmeier Galyean · Friends of Lafitte Corridor · Future Proof · Global Green USA · GNO Inc. · Greater New Orleans Foundation · Green Light New Orleans · Groundwork New Orleans Gulf Restoration Network · Hike for Katreena · Hollygrove Greenline · Historic Treme Faubourg Treme · Horizon Initiative · Imago Collective · KIPP Central City School · KSI Environmental Consultants · Lake Pontchartrain Basin Foundation · Land Trust for Louisiana · LEAAF · Levees.org · Life City · Longue Vue House and Gardens · Louisiana Economic Development · LSU Coastal Sustainability Studio · National Wildlife Foundation · Neighborhood Partnership Network · NEWCITY · New Orleans Food & Farm Network · Nola Bamboo · NOMAR Green Committee · Nunez Community College · WWNO NPR · Parkway Bakery & Tavern Parkway Partners · RIDE New Orleans · Regional Planning Commission · Sankofa · Sewerage & Water Board · Sierra Club Spackman Mossop Michaels · Thomas Strategies LLC · Tulane City Center · Tulane Institute on Water Resources Law and Policy UNO Pontchartrain Institute of Environmental Sciences · UNO Transportation Institute · Urban Conservancy · Urban Institute US Green Building Council Louisiana · Waggonner & Ball · Waldemar S. Nelson · Water Works · Villavaso & Associates

