



The 7th Ward
I-10 Corridor Stormwater Runoff Management
Flood Invesitgation and Schematic Design Package

Funding for the 7th Ward Flood Investigation Study and Design was made possible by support provided by the National Academy of Science and Engineering Gulf Research Program. Grant Number 2000013787 “Community Ownership Model for the Design of Nature-Based Along the N. Claiborne Corridor” was awarded to Healthy Community Resources & Advocacy, DBA Healthy Community Services, Dr. Angela M. Chalk, Executive Director.

This project was a resident driven project led by Dr. Chalk, Principal Investigator; Kimberly Doley, Co-Investigator, Water Wise Gulf South; Jeffrey Supak, Co-Investigator, Water Wise Gulf South; and Visioning Session Committee Members: Arsene DeLay, Beverly Swinney, Cynthia Walters, Jasamine Pettie, Kirk Anthony Bernard and Joel Holton

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Narrative

Water Wise Gulf South (WWGS) and Healthy Community Services (HCS) selected Batture to provide landscape architectural design services for a community-driven green infrastructure project located in the 7th Ward neighborhood of New Orleans. The project area includes a series of Louisiana Department of Transportation and Development (DOTD)–owned sites along and beneath Interstate 10, extending from Hunter’s Field at the intersection of St. Bernard Avenue and North Claiborne Avenue to lots located to the east of Elysian Fields Avenue.

This project builds upon the ASLA Legacy Project and continues its mission to prioritize green infrastructure as a means of managing stormwater runoff from Interstate 10 while addressing long-standing environmental and community concerns. Batture analyzed feedback from surrounding residents and stakeholders to better understand local needs, preferences, and challenges collected from a robust engagement process led by WWGS and HCS. Insights gathered through community input, ASLA mapping, DOTD and City of New Orleans’ Parks and Parkways representatives, and Batture’s own site analysis directly inform the design approach. Upon completion of this outreach, Batture created a holistic schematic design package focused on equitable, effective, and maintainable stormwater management solutions.

Analysis revealed significant stormwater accumulation beneath and between the elevated I-10 overpass lanes, as well as persistent ponding at key intersections, including the former Allen Street right-of-way, Elysian Fields, and intermediate crossings along the corridor. These areas have

been prioritized for green infrastructure interventions. The proposed design framework features a continuous dry creek system functioning as a French drain to capture and convey runoff between street underpasses. Rain gardens are strategically located at each intersection to intercept and treat stormwater, while depressed open green spaces provide detention capacity and enhance neighborhood connectivity.

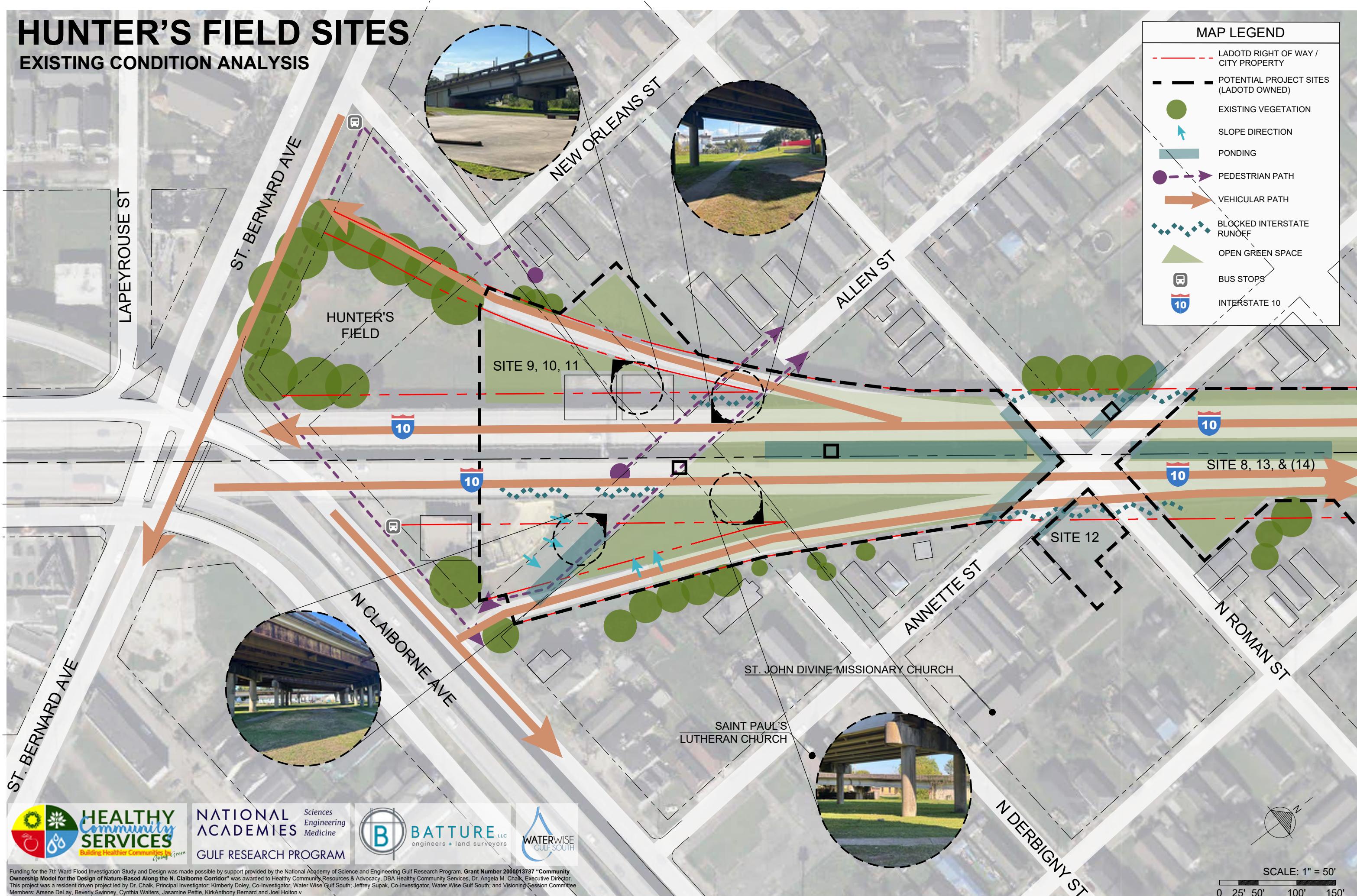
Maintenance and long-term performance are central to the design strategy. A multi-use path winds along the corridor, supporting both maintenance access and recreational use protected from the elements for community members. This path not only activates the space but also promotes visibility and stewardship, helping to ensure the long-term success of the green infrastructure system.

Collectively, the dry creek beds, rain gardens, detention areas, trees, and permeable paving are designed to manage approximately **8740 cubic yards (1.7 million gallons) of stormwater**. See page 18 of this booklet for a detailed breakdown. This is four times the amount required by the city zoning ordinance which mandates development to manage the first 1.25” of runoff in a 10 year storm. Through an integrated, community-informed approach, the project transforms underutilized infrastructure spaces into resilient, multifunctional landscapes that address flooding, improves environmental health, and provide meaningful benefits to the 7th Ward community.



HUNTER'S FIELD SITES

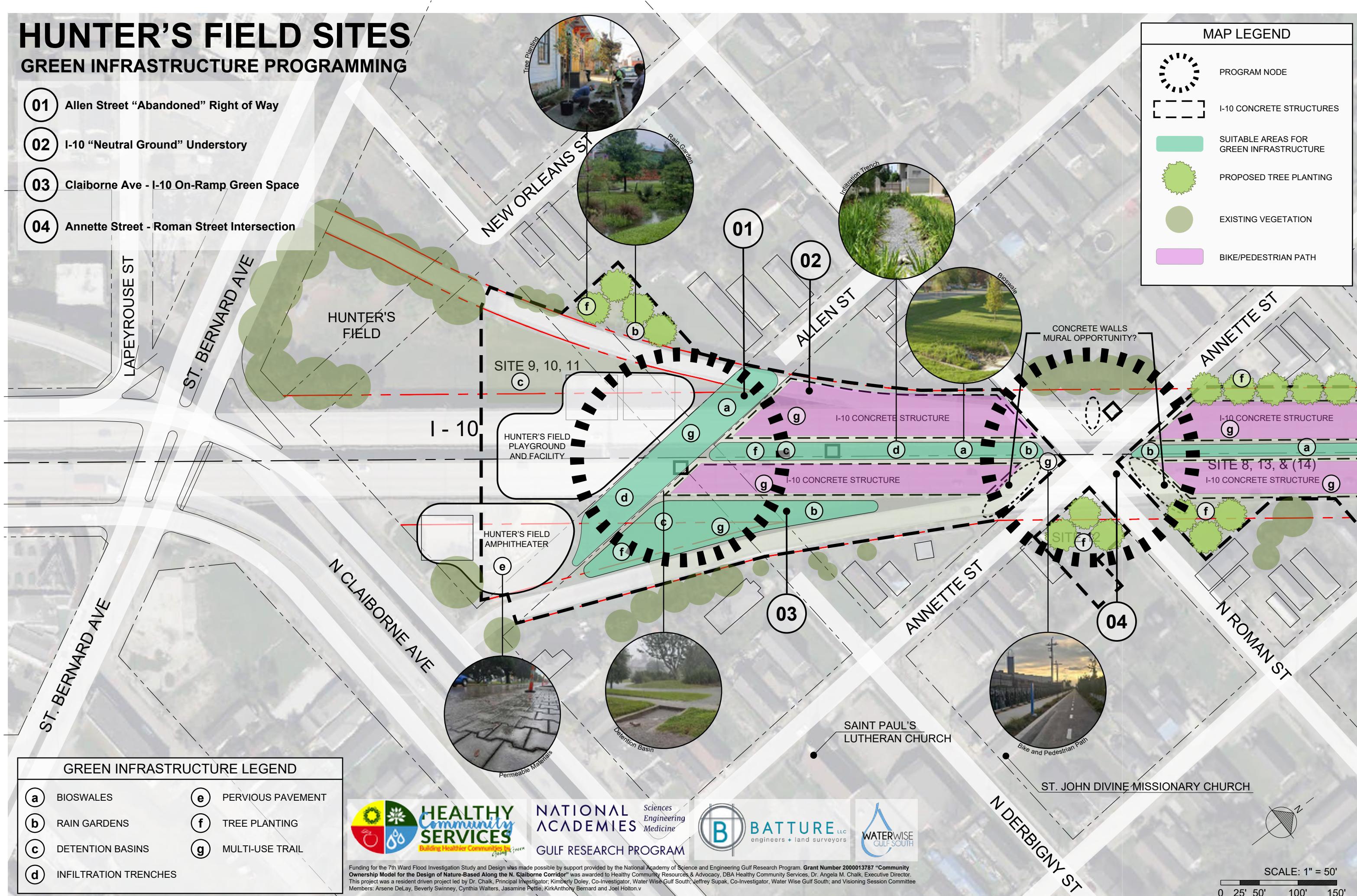
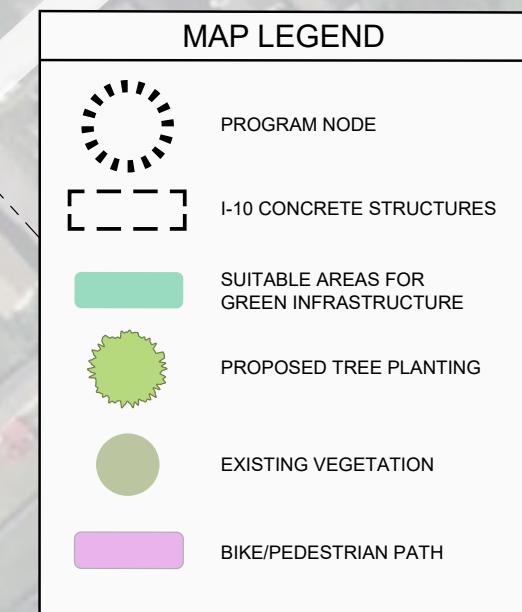
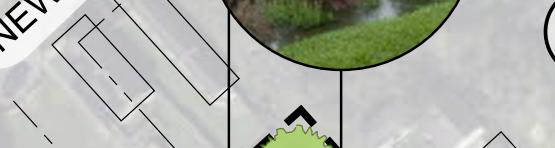
EXISTING CONDITION ANALYSIS



HUNTER'S FIELD SITES

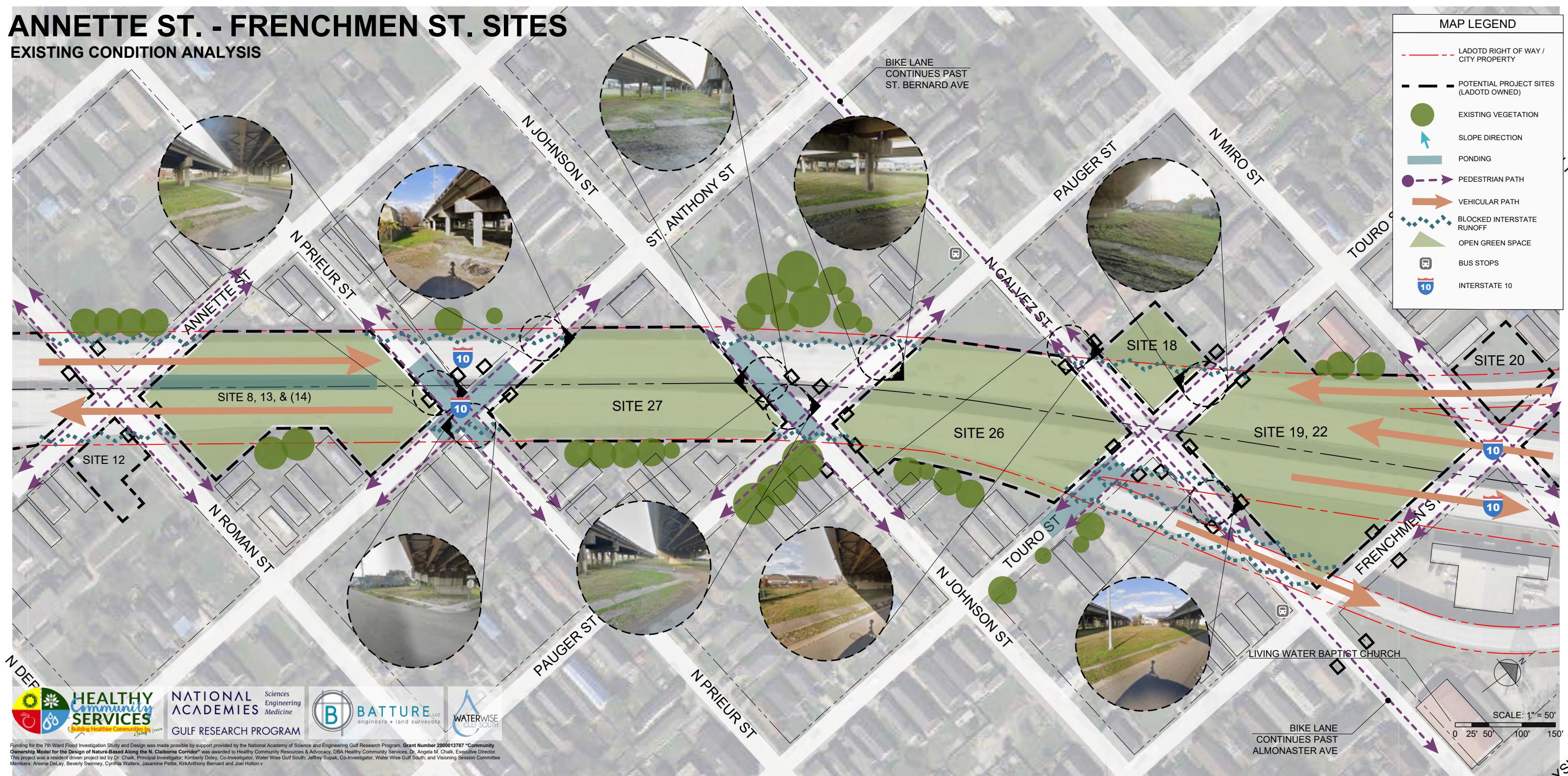
GREEN INFRASTRUCTURE PROGRAMMING

- 01 Allen Street "Abandoned" Right of Way
- 02 I-10 "Neutral Ground" Understory
- 03 Claiborne Ave - I-10 On-Ramp Green Space
- 04 Annette Street - Roman Street Intersection



ANNETTE ST. - FRENCHMEN ST. SITES

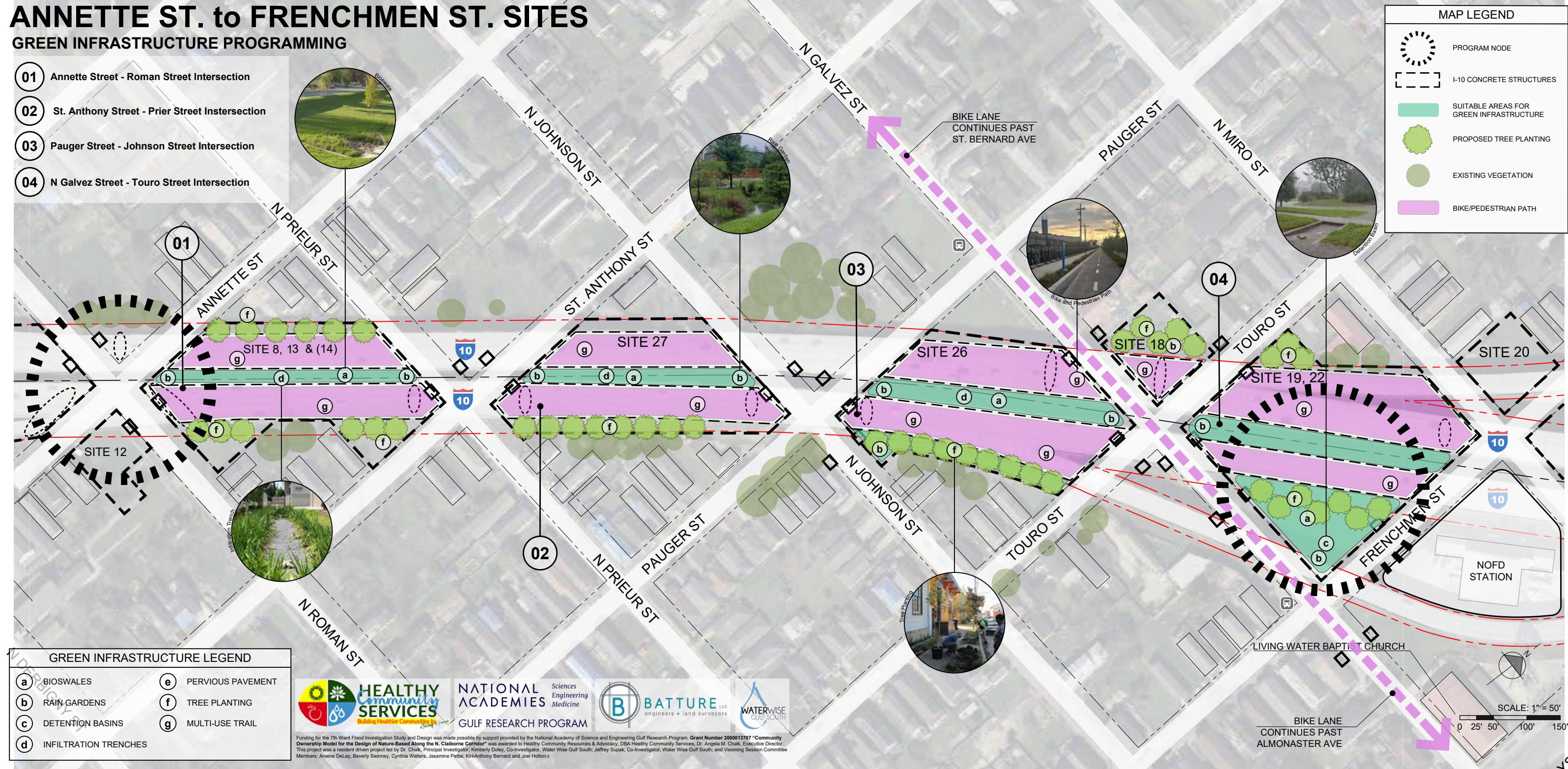
EXISTING CONDITION ANALYSIS



ANNETTE ST. to FRENCHMEN ST. SITES

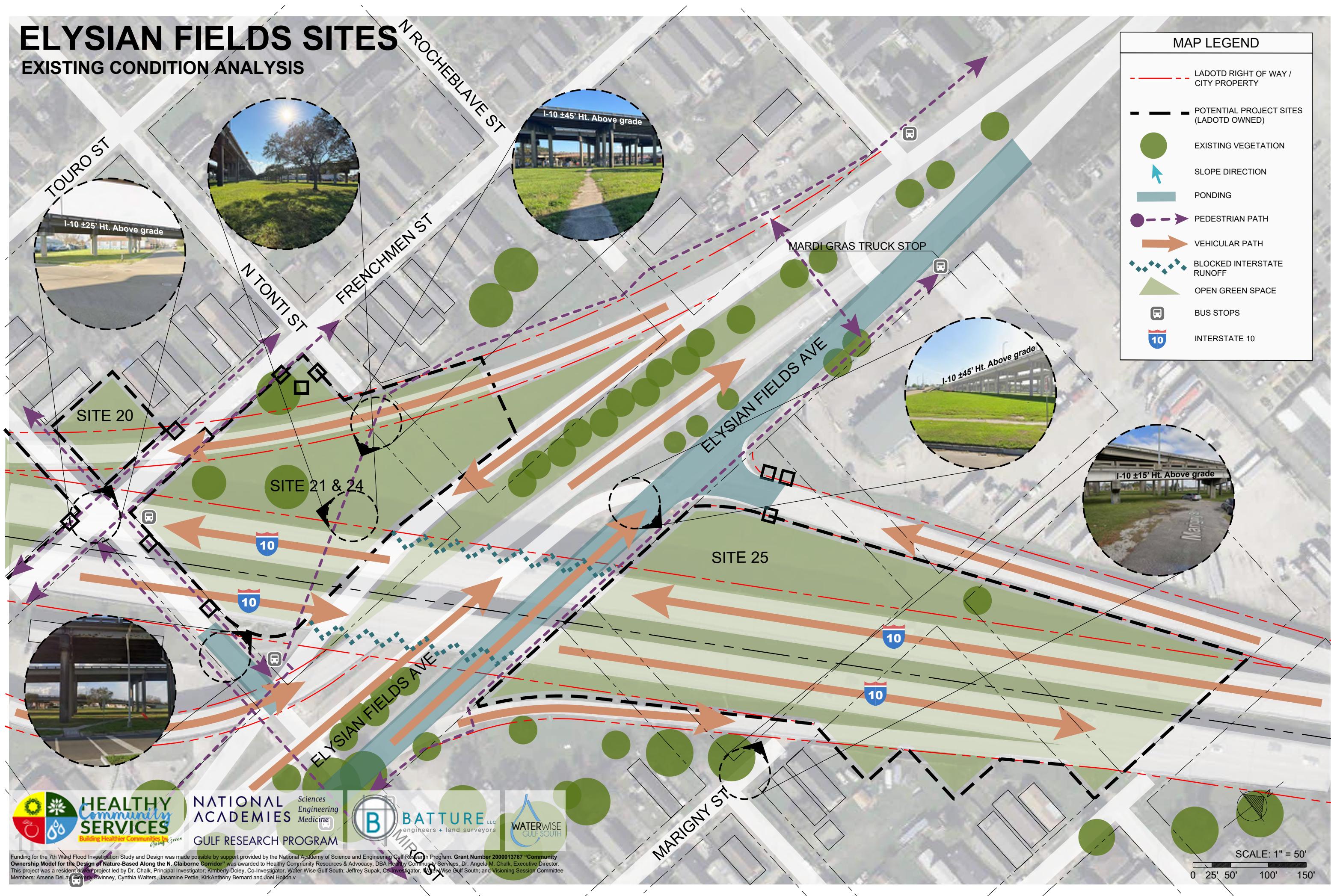
GREEN INFRASTRUCTURE PROGRAMMING

- 01 Annette Street - Roman Street Intersection
- 02 St. Anthony Street - Prier Street Intersection
- 03 Pauger Street - Johnson Street Intersection
- 04 N Galvez Street - Touro Street Intersection



ELYSIAN FIELDS SITES

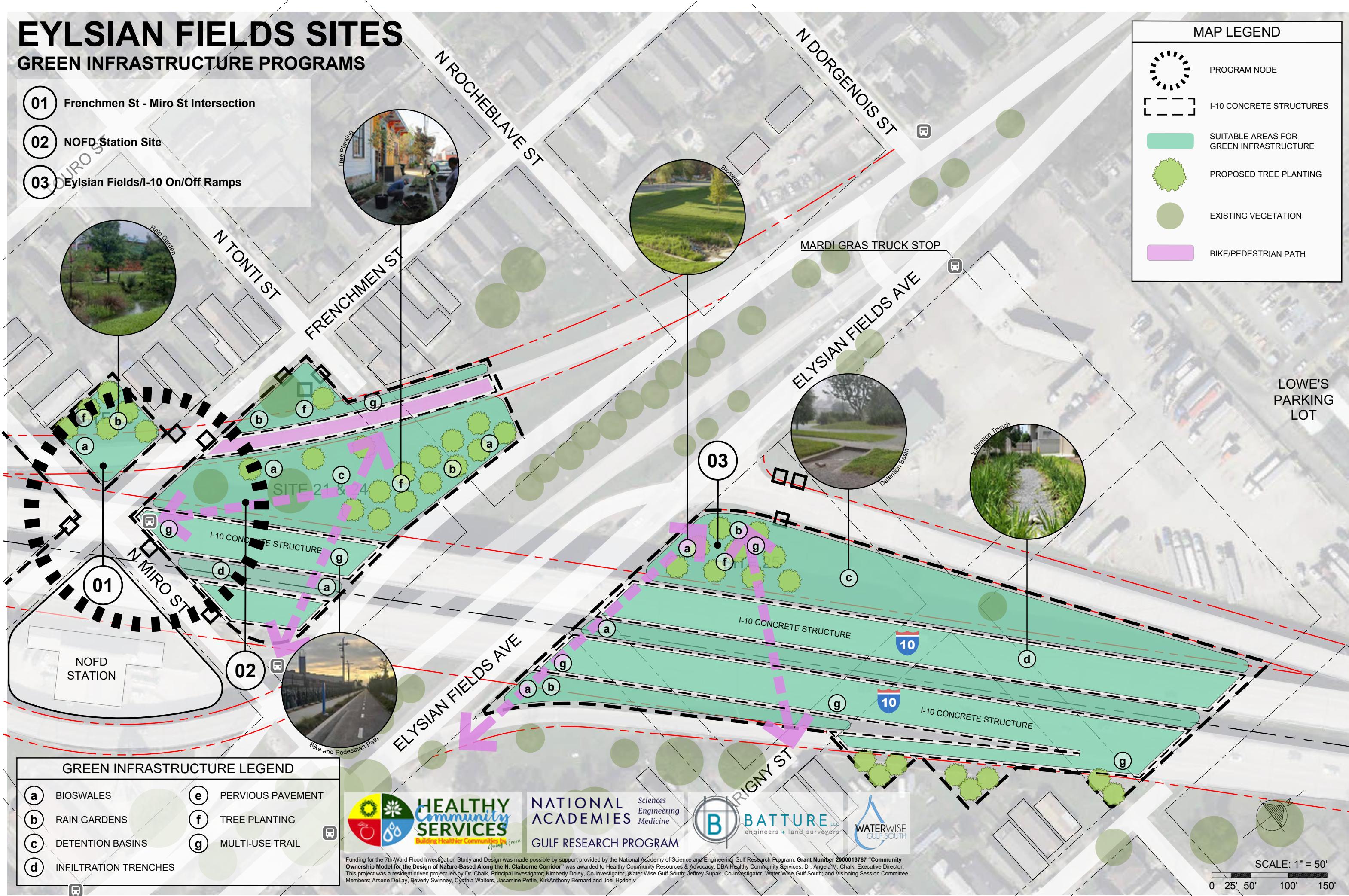
EXISTING CONDITION ANALYSIS



EYLSIAN FIELDS SITES

GREEN INFRASTRUCTURE PROGRAMS

- 01 Frenchmen St - Miro St Intersection
- 02 NOFD Station Site
- 03 Elysian Fields/I-10 On/Off Ramps



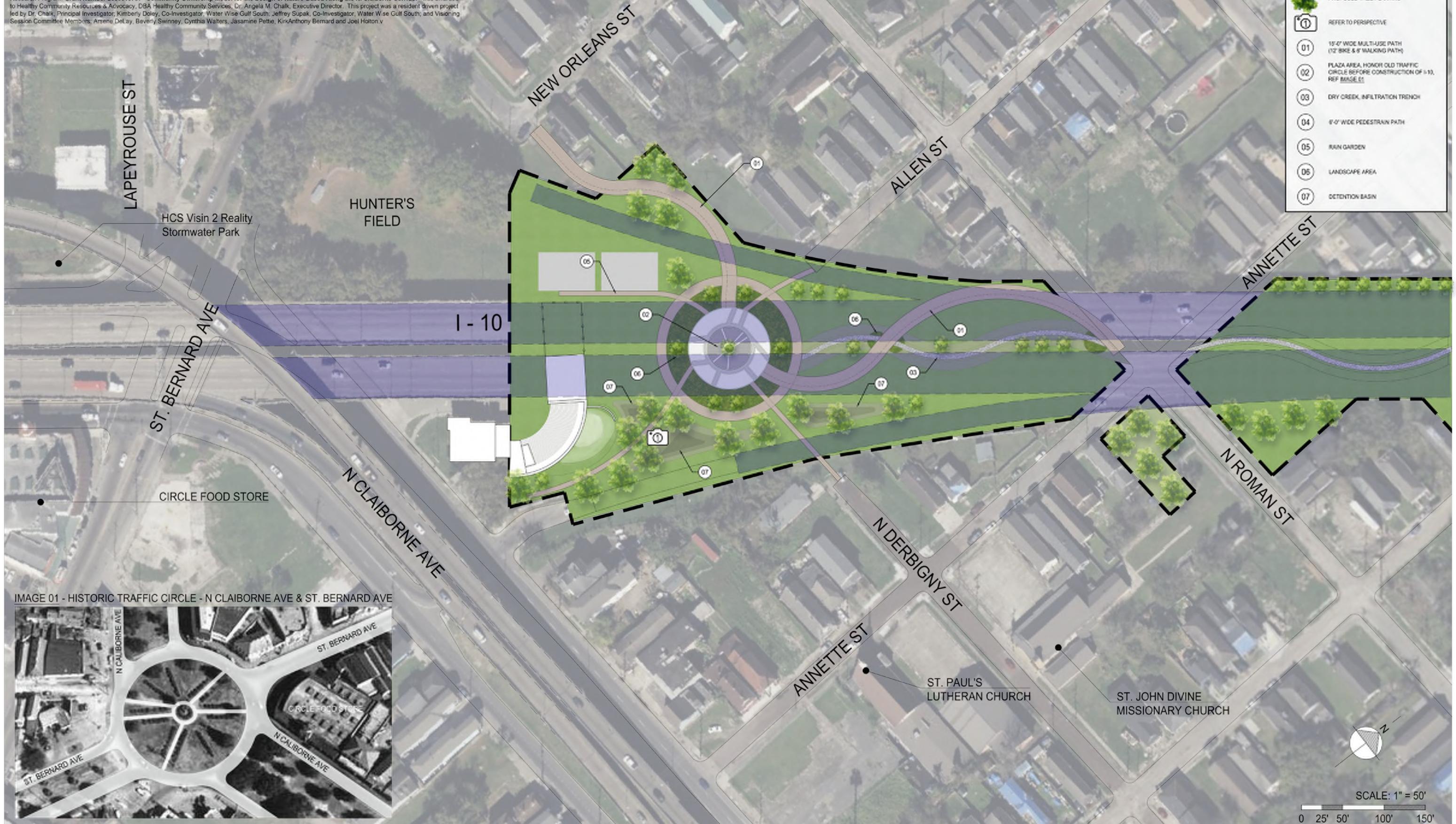
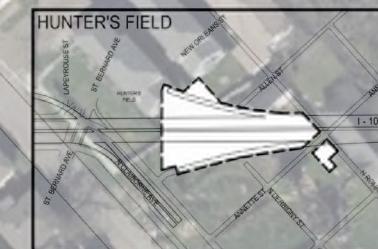


ALLEN STREET CIRCLE MEADOWS

2025 7th Ward Stormwater Visioning Plan for the N. Claiborne I-10 Corridor



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ANNETTE - FRENCHMEN RAINWATER CORRIDOR

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Proposed Tree Planting REFER TO PHASE ONE

01 10'-12' WIDE MULTILANE PATH 12' BIKE & 8' WALKING PATH

02 DRY CREEK, INFILTRATION TRENCH

03 8'-10' WIDE PEDESTRIAN PATH

04 RAIN GARDEN

05 LANDSCAPE AREA

06 DETENTION BASIN

07

PROJECT SITES (SAFETY DRAINS)

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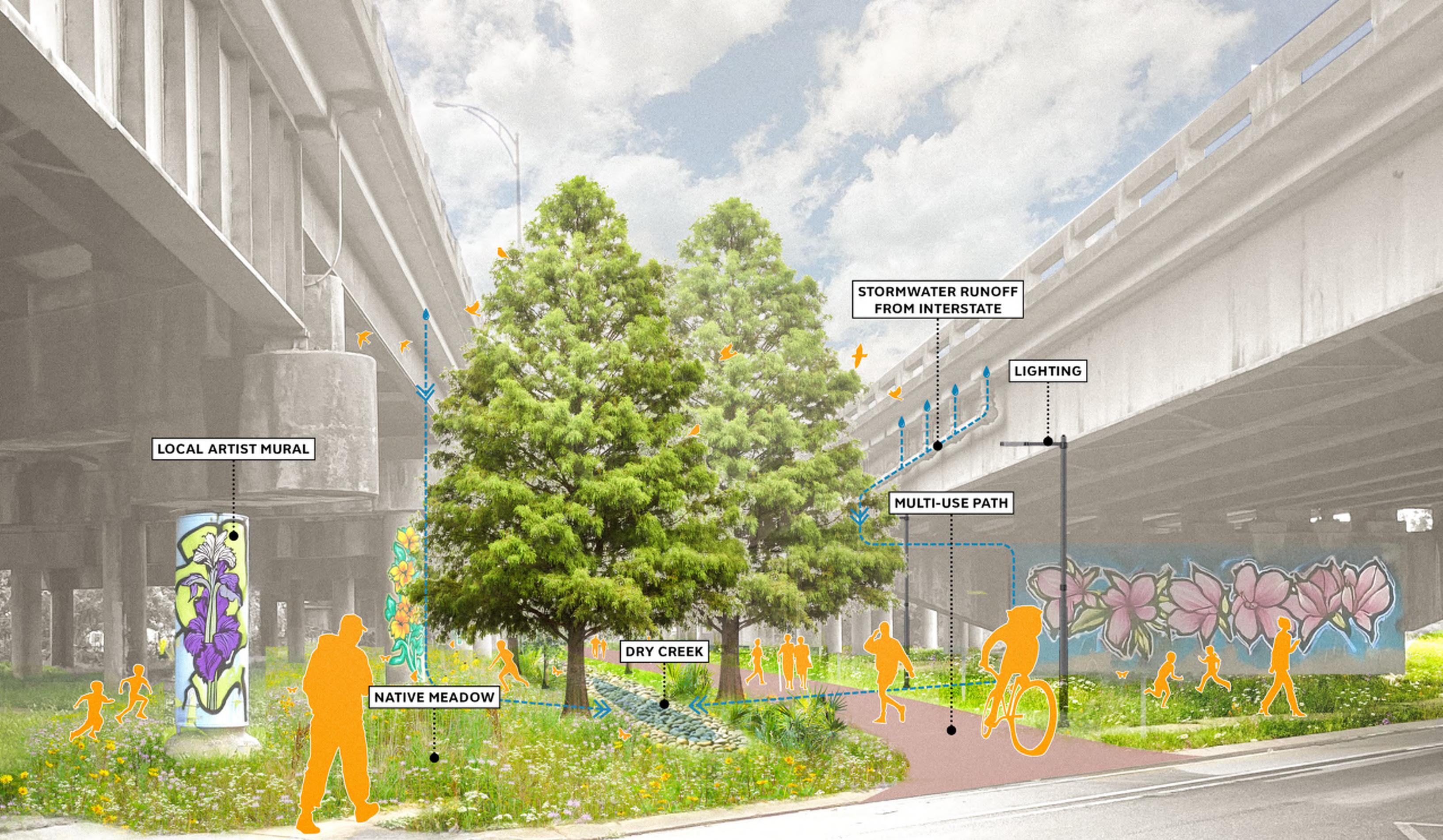
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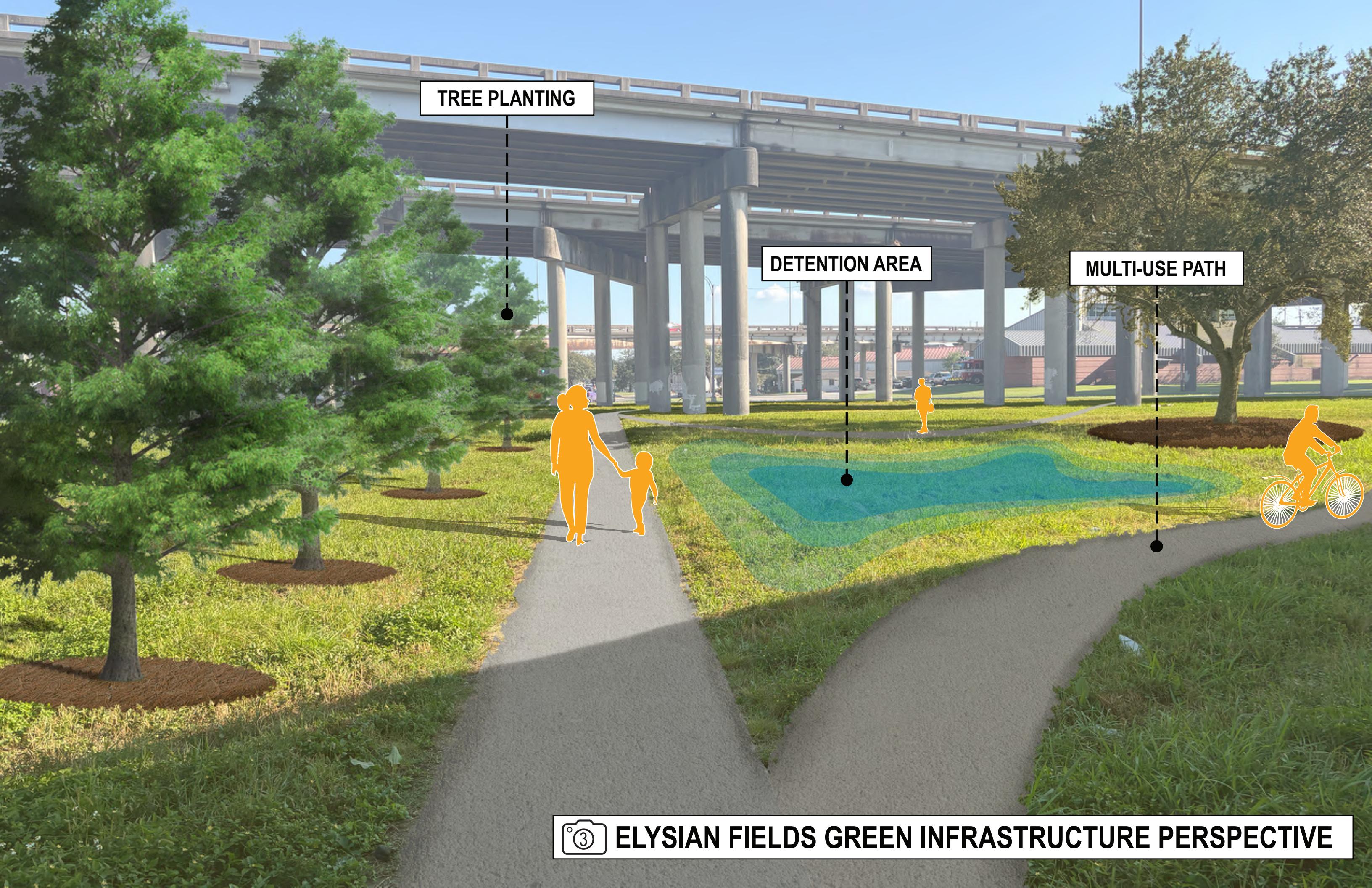
ELYSIAN FIELDS GREENWAY

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ELYSIAN FIELDS GREEN INFRASTRUCTURE PERSPECTIVE