

Gentilly Resilience District Project at Dillard Wetlands

RESILIENCE DESIGN REVIEW COMMITTEE MEETING # 3 (90%)



GENTILLY
Resilience
DISTRICT

February 9, 2022



An aerial photograph of the Dillard Wetlands area, overlaid with technical design annotations. The map shows various water levels, pedestrian trails, and structural elements. Labels include 'HIGH-FLOW WATER LEVEL', 'LOW-FLOW WATER LEVEL', 'SIDE STRUCTURE', 'PEDESTRIAN TRAIL, TYP.', and 'PEDESTRIAN'.

Welcome to Tonight's Meeting

Welcome to the 90% Resilience Design Review Committee Meeting for the Gentilly Resilience District Project at Dillard Wetlands. Thank you so much for joining us virtually!

House Rules:

Please keep your computer and/or phone **MUTED** while the presentation is live; **DO NOT UNMUTE** your audio unless you are speaking for the benefit of the group

We will hold all questions and go through them during the Q&A period following the presentation. **Three (3) ways to ask questions:**

CHAT: Type questions using the chat feature at any time.

SPEAK: There will be an opportunity for callers to ask questions aloud.

TEXT: (504)-517-5448

Please Note: The meeting is being recorded and will be available for public viewing at:
<https://www.nola.gov/resilience-sustainability/ndr-grd-projects-programs/dillard-wetlands/>



Agenda and Speakers

- Project Overview
- Community Based Design
- Project Design Review
- Next Steps
 - Bidding and Construction
 - Continued Community Building

Lisbeth Pedroso (City)

Resilience Outreach Specialist

Rodgerika Medrano (City)

Project Manager - City of New Orleans

Mary Kincaid (City)

Program Manager - City of New Orleans

Nina Reins (FNI)

Design Team Project Manager

Joel Tillery (FNI)

Design Team Technical Lead

Andrew Doyle (Batture)

Landscape Architect

Atianna Cordova (WATER BLOCK)

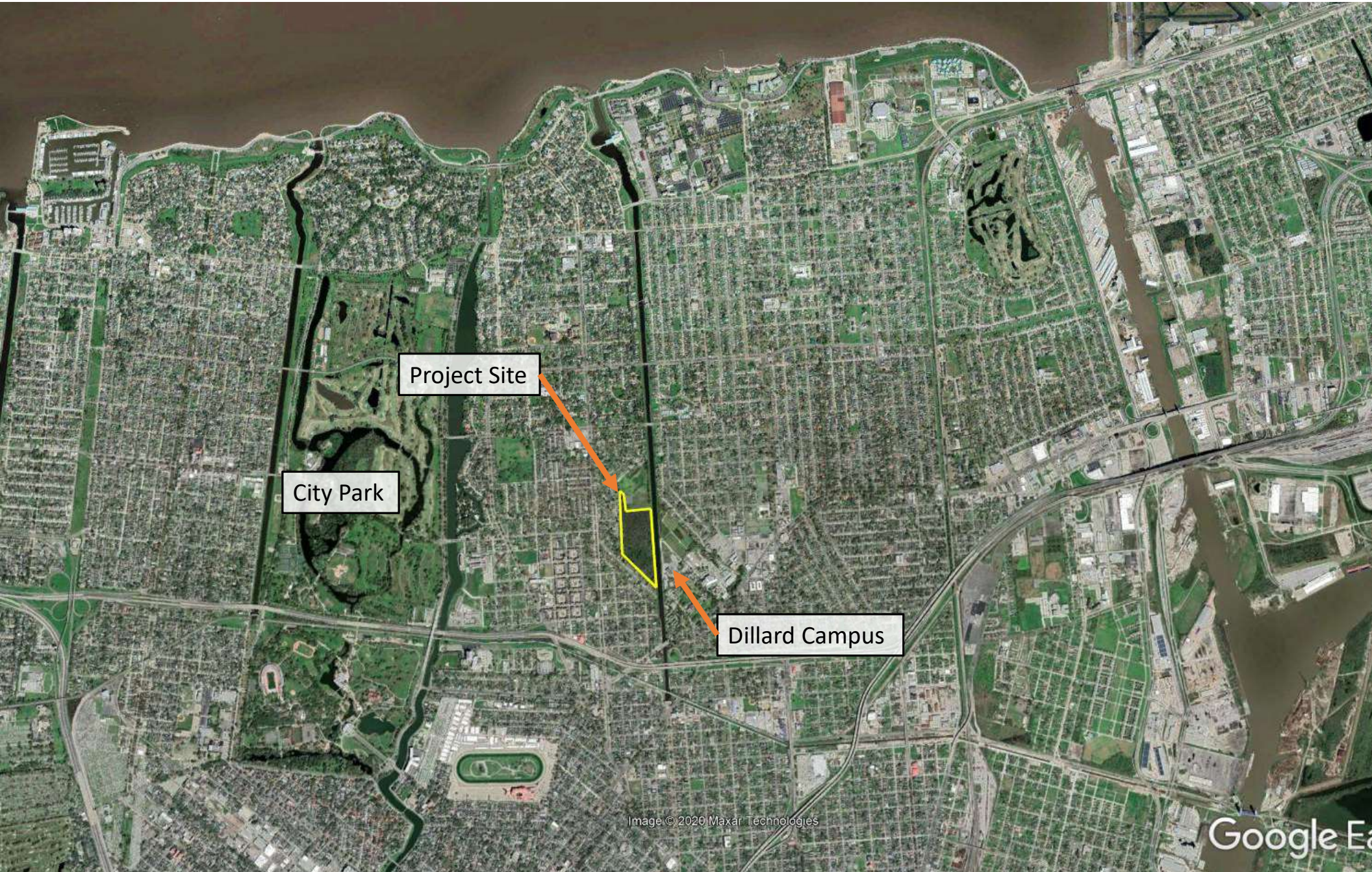
Community Engagement Lead



GENTILLY
Resilience
DISTRICT

Project Summary and Review

Nina J. Reins, PE, PhD, Freese and Nichols



Project Site

City Park

Dillard Campus

Image © 2020 Maxar Technologies

Google Earth



Project site, owned by City of New Orleans, is 27+ acres of low-lying forested wetland adjacent to the London Avenue Canal (across from Dillard Campus), the former Francis Gregory Jr. High, and a residential neighborhood.

CA. 2010

Dillard University

Dillard Wetland



Project Goals and Benefits



Benefits

-  **Urban Water**
Reduced flooding and improved water quality
-  **Ecology**
Forest and wetland ecosystem restoration
-  **Recreation**
Outdoor forest classroom and interpretive signage
-  **Public Health**
Nature walks in urban forest
-  **Urban Heat Mitigation**
Improved vegetation and tree canopy
-  **Community**
Access to property for recreation and education

Manage Water – Restore Ecology – Community Access

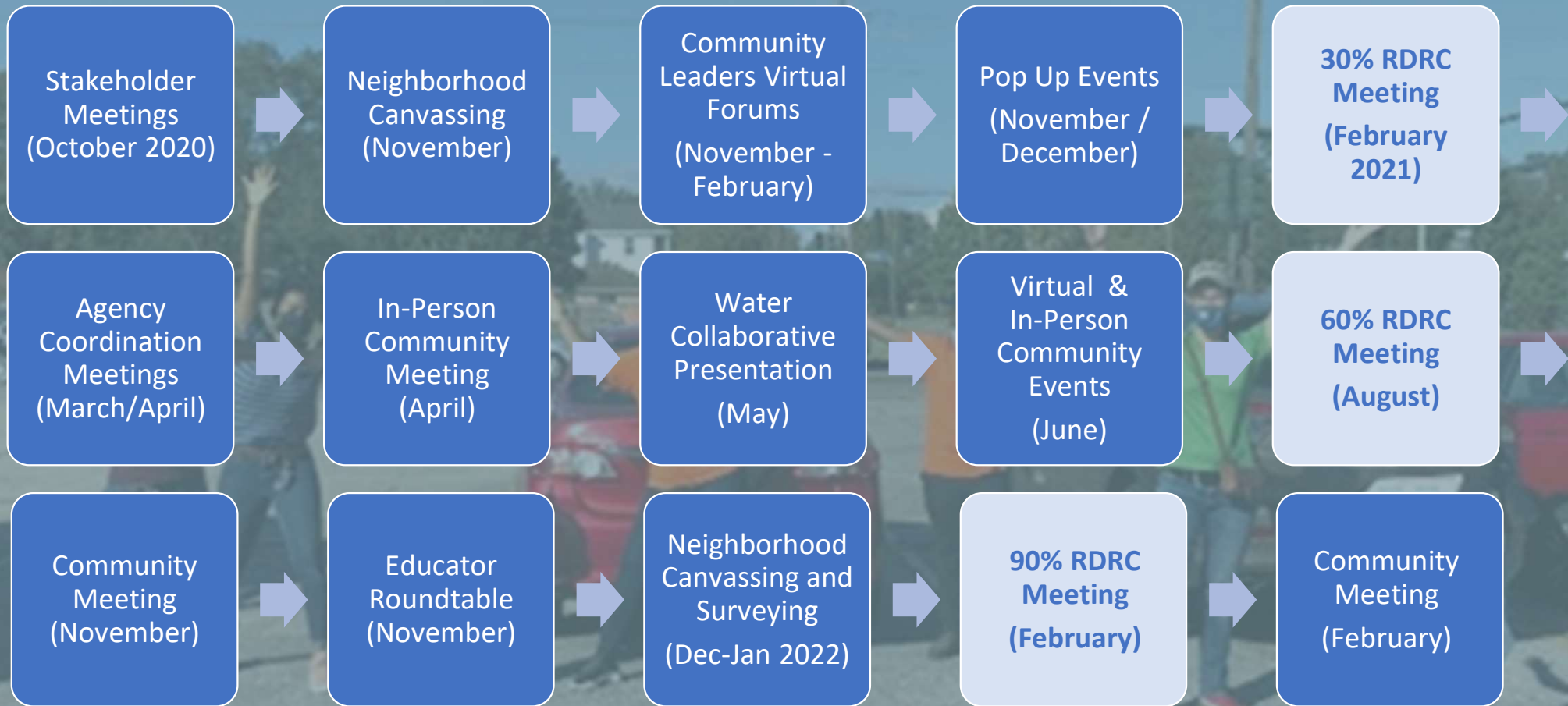


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Community Based Design

Atianna Cordova, WATER BLOCK

“Listen – Learn – Envision – Co-Create”*



“Remember and Reclaim”

The theme “Remember and Reclaim” was born from initial outreach efforts, which highlighted the historical significance of the site as one of the last undeveloped pieces of land within the city limits. The design should amplify the sacredness of the land and its ties to the area’s Indigenous and Maroon history. The design should acknowledge the lasting impacts of racial discrimination in public spaces and the qualities needed to promote safety and well-being for all people regardless of race, age, gender, physical ability, and/or sexual orientation.



Virtual Community Meeting

November 4, 2021

GRD PROJECT AT DILLARD WETLANDS



PUBLIC EVENT NOTICE!

Dillard Wetlands Project is part of the **Gentilly Resilience District**, which is a combination of efforts across Gentilly to reduce flood risk, slow land subsidence, improve energy reliability, and encourage neighborhood revitalization. For more information, contact Lisbeth Pedroso, Resilience Outreach Specialist, Gentilly Resilience District at **504.658.7623**. To learn more visit: <https://nola.gov/resilience-sustainability/gentilly-resilience-district/>

 @resilientNOLA
 @resilient_nola
 @resilientNOLA



GRD AT DILLARD WETLANDS

STAKEHOLDER MEETING JOIN US THURSDAY, NOV. 4

Virtual Event via Zoom from 6 p.m. to 8 p.m.
(Visit <http://nola.gov/calendar/> for more information)

The \$141 million HUD-funded **Gentilly Resilience District** (GRD) is a combination of efforts across the Gentilly neighborhood that are designed to reduce flood risk, slow land subsidence, improve energy reliability, and encourage neighborhood revitalization. To learn more, visit: <https://nola.gov/resilience-sustainability/gentilly-resilience-district/>

Questions?
Email roadwork@nola.gov or call (504) 658-7623.

 @resilientNOLA
 @resilient_nola
 @resilientNOLA

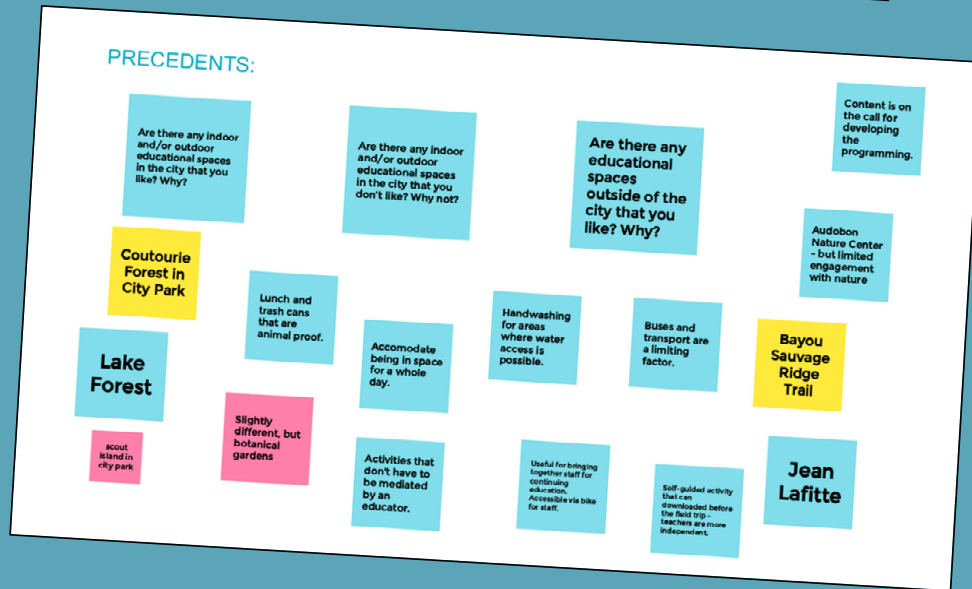


Community meeting held to update residents on advancements in design and promote environmental education and stewardship.

Virtual Educator Roundtable

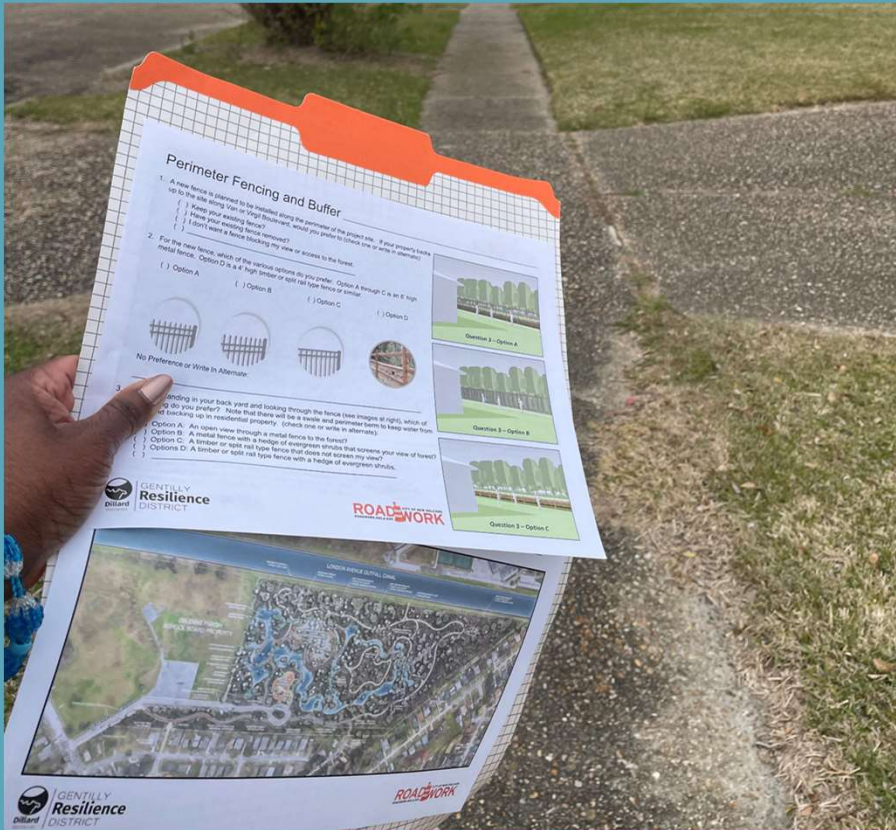
November 18, 2021

- ✓ Programming
- ✓ Access
- ✓ Precedents

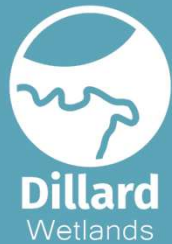


Neighborhood Canvassing and Surveying

December and January 2022



Distributed surveys via mail and in person to solicit feedback on preferences for site access and fencing.

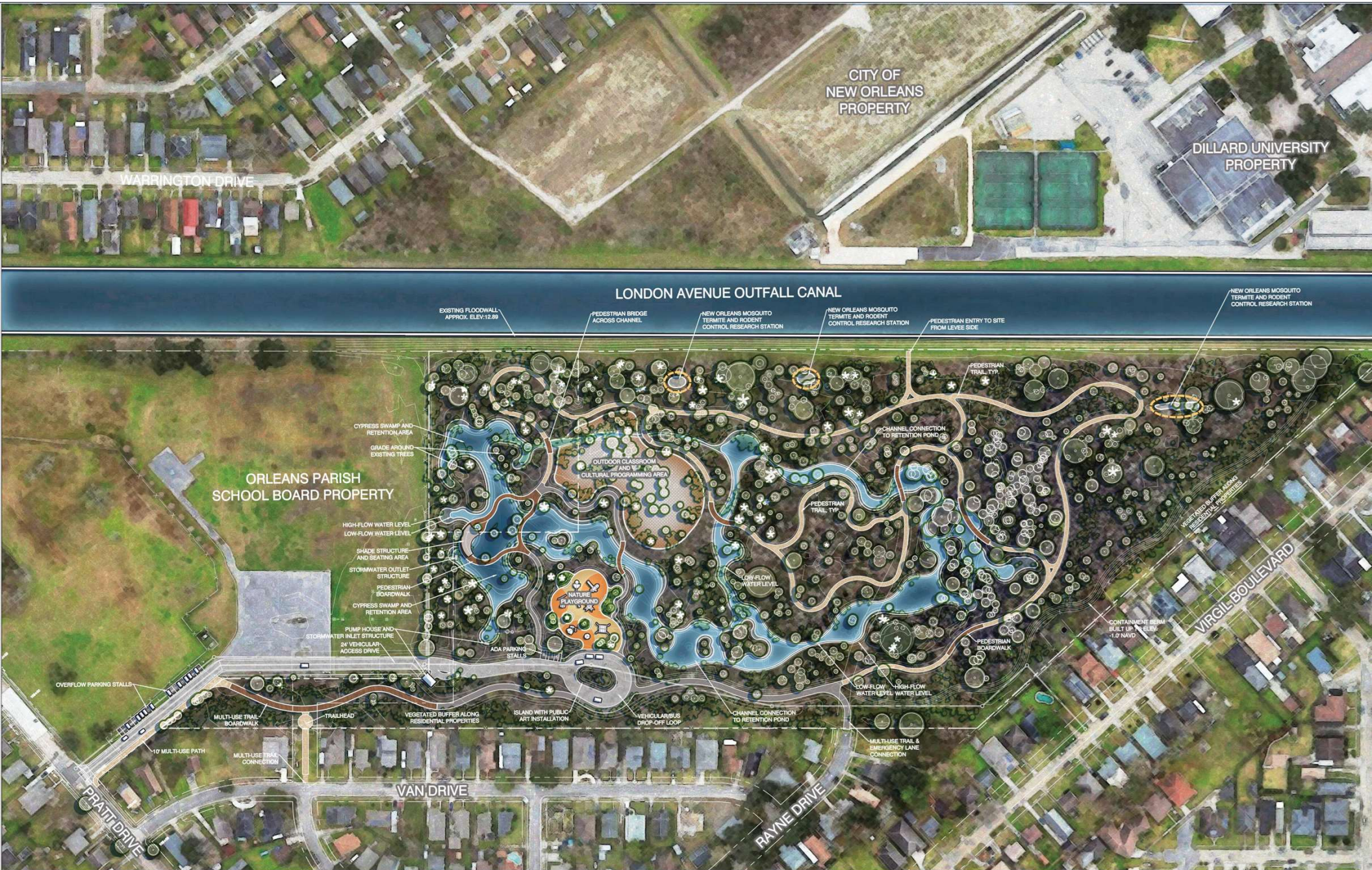


GENTILLY
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DISTRICT

Project Design Review

Joel Tillery, PE, Freese & Nichols

Andrew Doyle, PLA, Batture



CITY OF
NEW ORLEANS
PROPERTY

DILLARD UNIVERSITY
PROPERTY

WARRINGTON DRIVE

LONDON AVENUE OUTFALL CANAL

NEW ORLEANS MOSQUITO
TERMITE AND RODENT
CONTROL RESEARCH STATION

EXISTING FLOODWALL
APPROX. ELEV: 12.89

PEDESTRIAN BRIDGE
ACROSS CHANNEL

NEW ORLEANS MOSQUITO
TERMITE AND RODENT
CONTROL RESEARCH STATION

NEW ORLEANS MOSQUITO
TERMITE AND RODENT
CONTROL RESEARCH STATION

PEDESTRIAN ENTRY TO SITE
FROM LEVEE SIDE

ORLEANS PARISH
SCHOOL BOARD PROPERTY

CYPRESS SWAMP AND
RETENTION AREA

GRADE AROUND
EXISTING TREES

HIGH-FLOW WATER LEVEL
LOW-FLOW WATER LEVEL

SHADE STRUCTURE
AND SEATING AREA

STORMWATER OUTLET
STRUCTURE

PEDESTRIAN
BOARDWALK

CYPRESS SWAMP AND
RETENTION AREA

PUMP HOUSE AND
STORMWATER INLET STRUCTURE
24 VEHICULAR
ACCESS DRIVE

OUTDOOR CLASSROOM
AND CULTURAL
PROGRAMMING AREA

PEDESTRIAN
TRAIL TYP

CHANNEL CONNECTION
TO RETENTION POND

LOW-FLOW
WATER LEVEL

LOW-FLOW
WATER LEVEL

HIGH-FLOW
WATER LEVEL

VEGETATED BUFFER ALONG
RESIDENTIAL PROPERTIES

CONTAINMENT BEEM
BUILT UP TO ELEV.
1.0 HAVD

VIRGIL BOULEVARD

OVERFLOW PARKING STALLS

MULTI-USE TRAIL
BOARDWALK

TRAILHEAD

VEGETATED BUFFER ALONG
RESIDENTIAL PROPERTIES

ISLAND WITH PUBLIC
ART INSTALLATION

VEHICULAR/BUS
DROP-OFF LOOP

CHANNEL CONNECTION
TO RETENTION POND

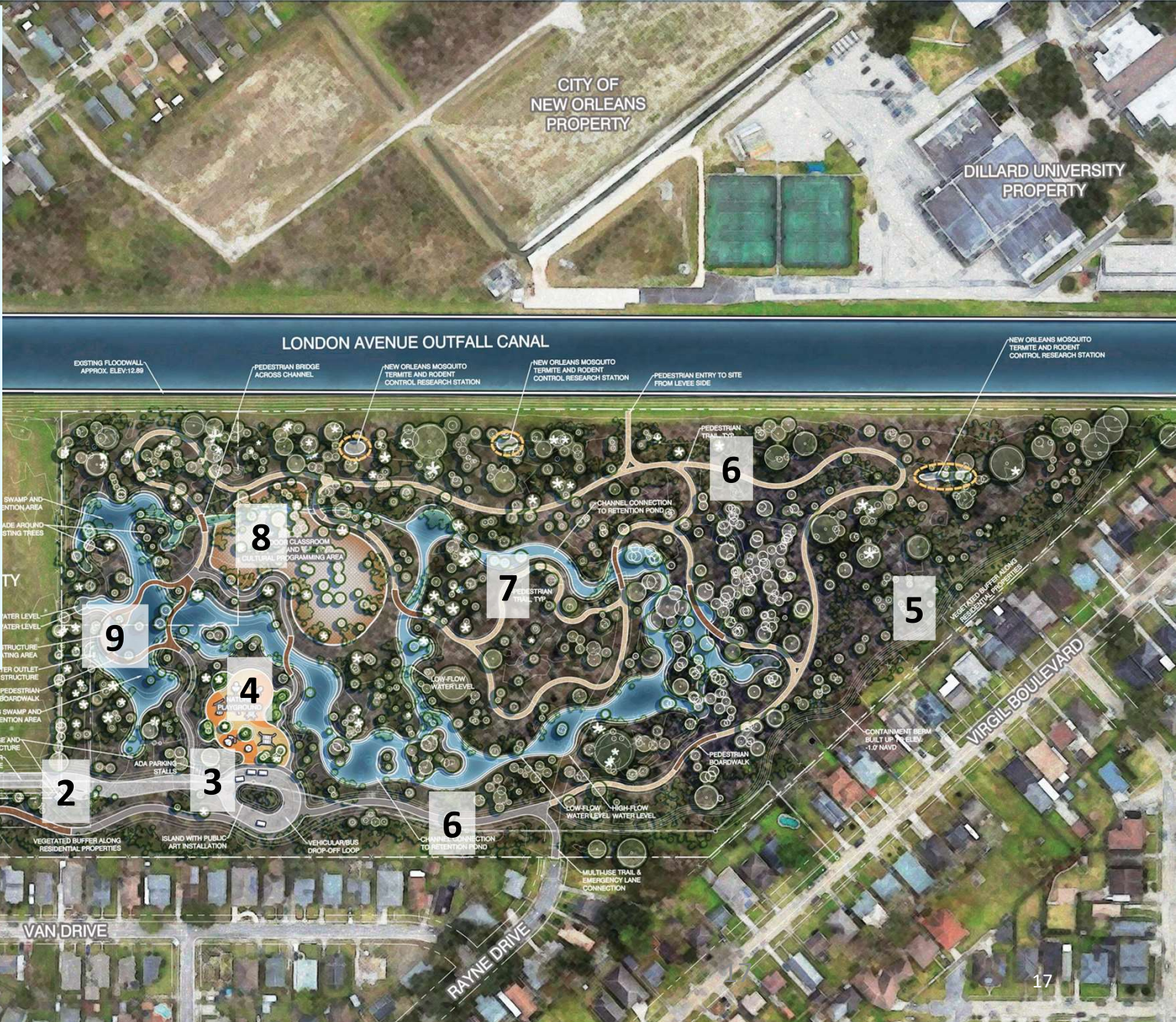
MULTI-USE TRAIL &
EMERGENCY LANE
CONNECTION

PRAIRIE DRIVE

VAN DRIVE

RAYNE DRIVE

1. Access road
2. Drainage infrastructure and stormwater pump station / building
3. Vehicular, bus, and bicycle parking
4. Nature playground
5. Buffers and site perimeter
6. Walking trails and boardwalks
7. Observation areas for wildlife and seating areas for reflection
8. Outdoor classroom spaces for nature-based education
9. Shade structure on boardwalk



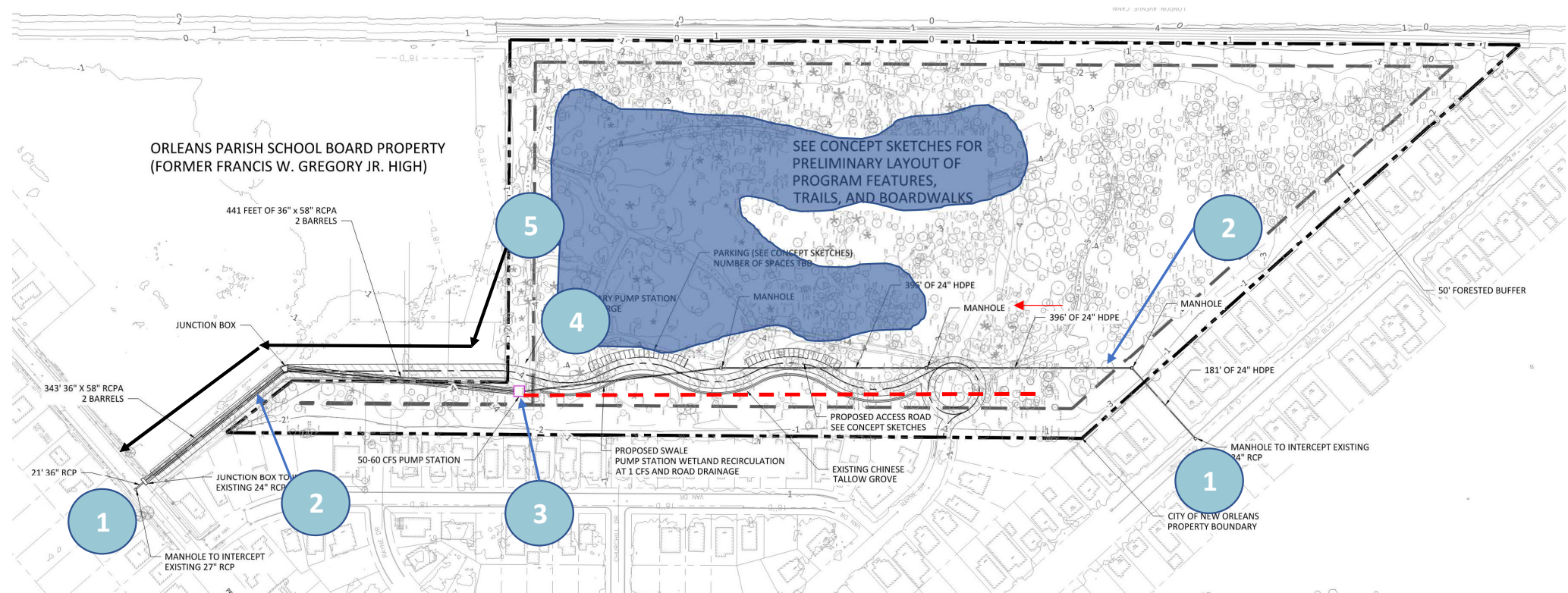


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DISTRICT

Managing Urban Water

Joel Tillery, PE, Freese and Nichols

Stormwater captured from street drainage network and “lifted” into wetland reduces local flooding.



1

Junction Box

3

Pump Station

5

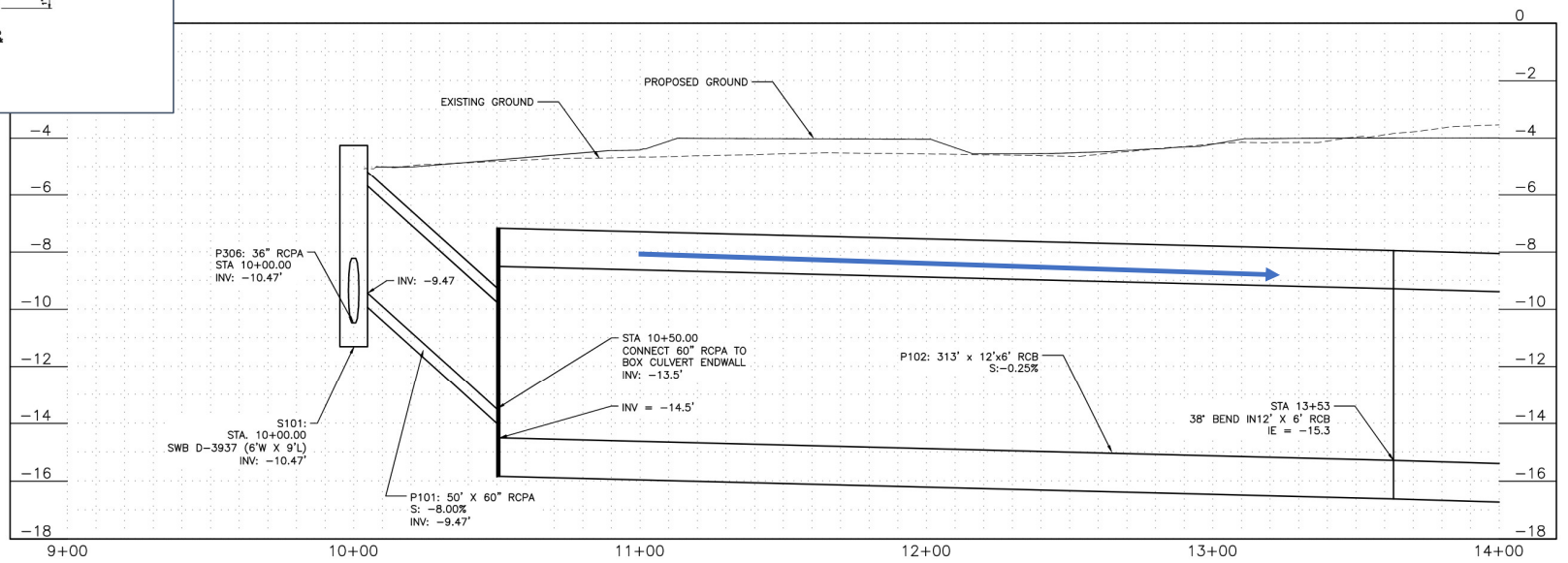
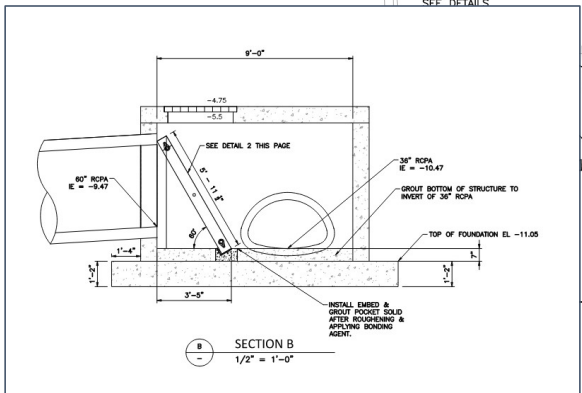
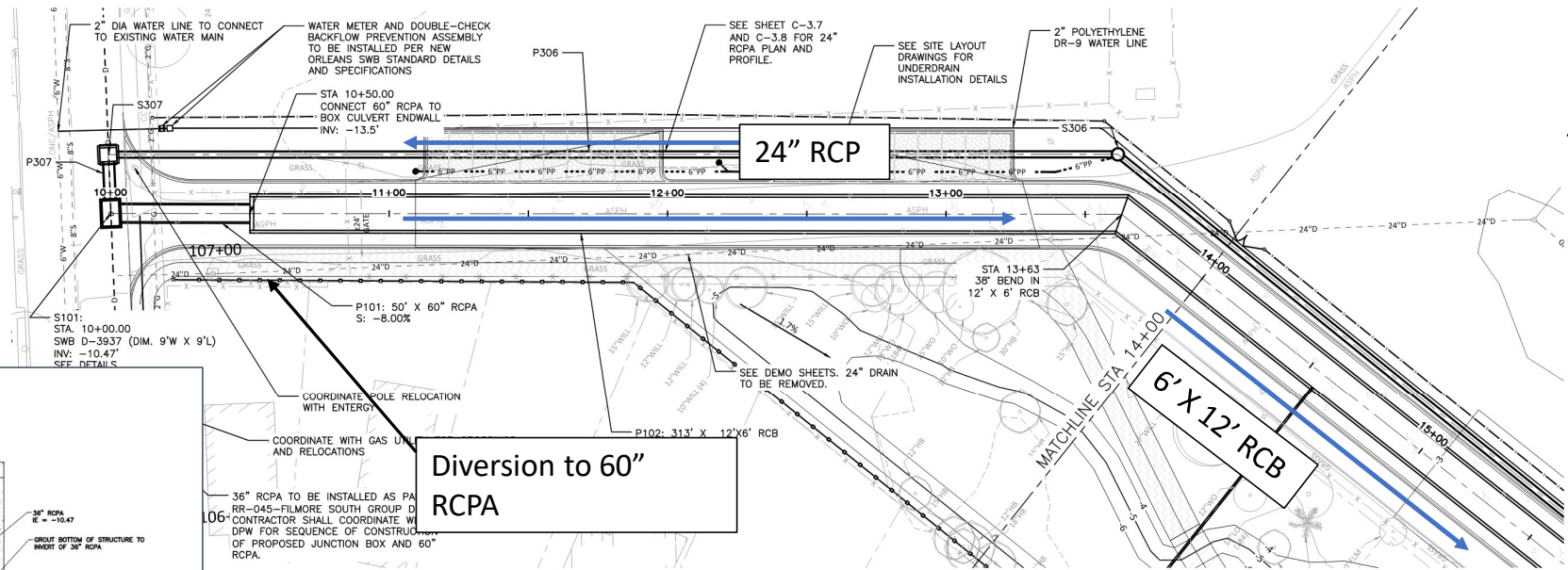
Outfall to City Drainage

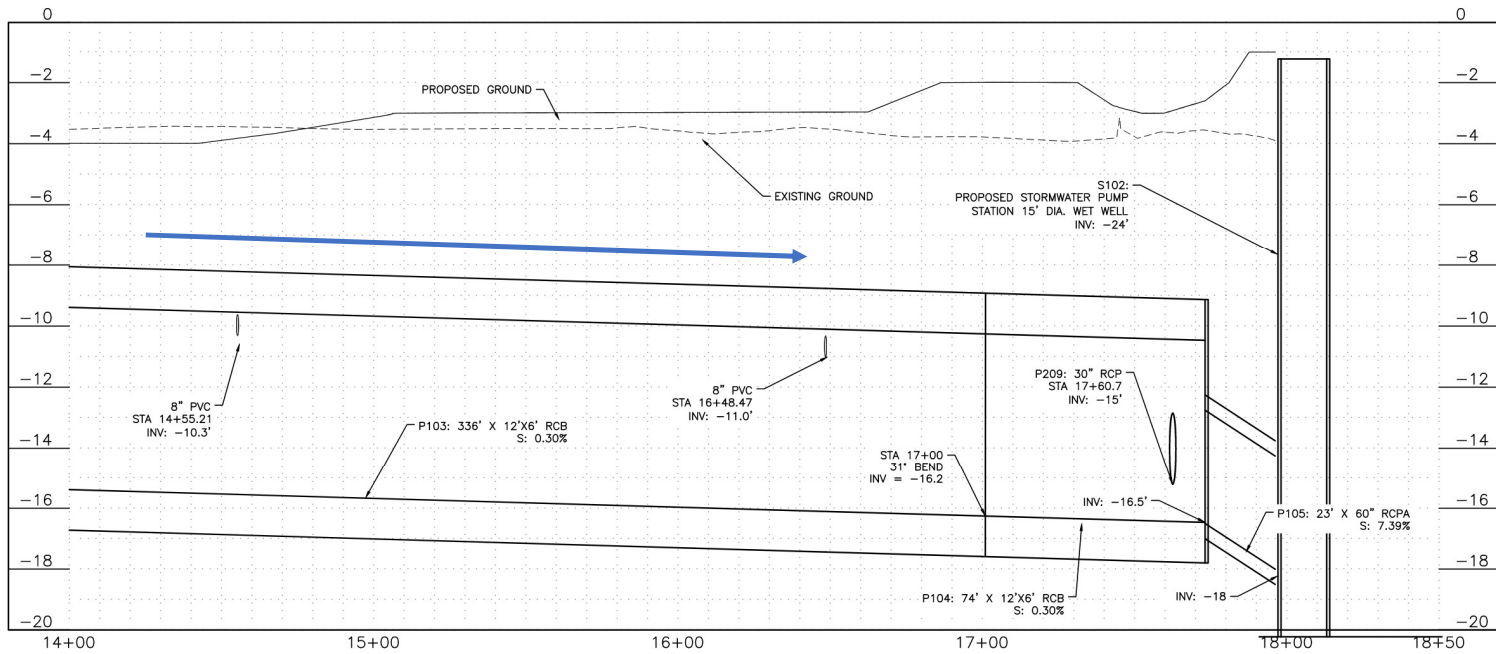
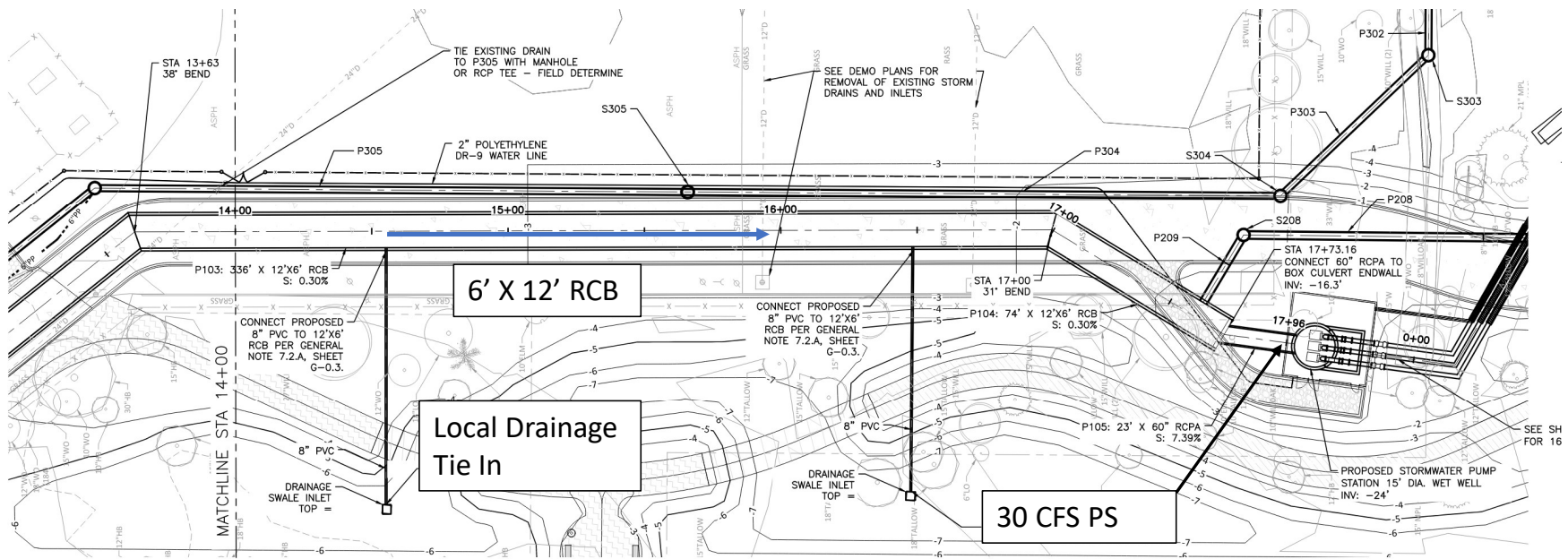
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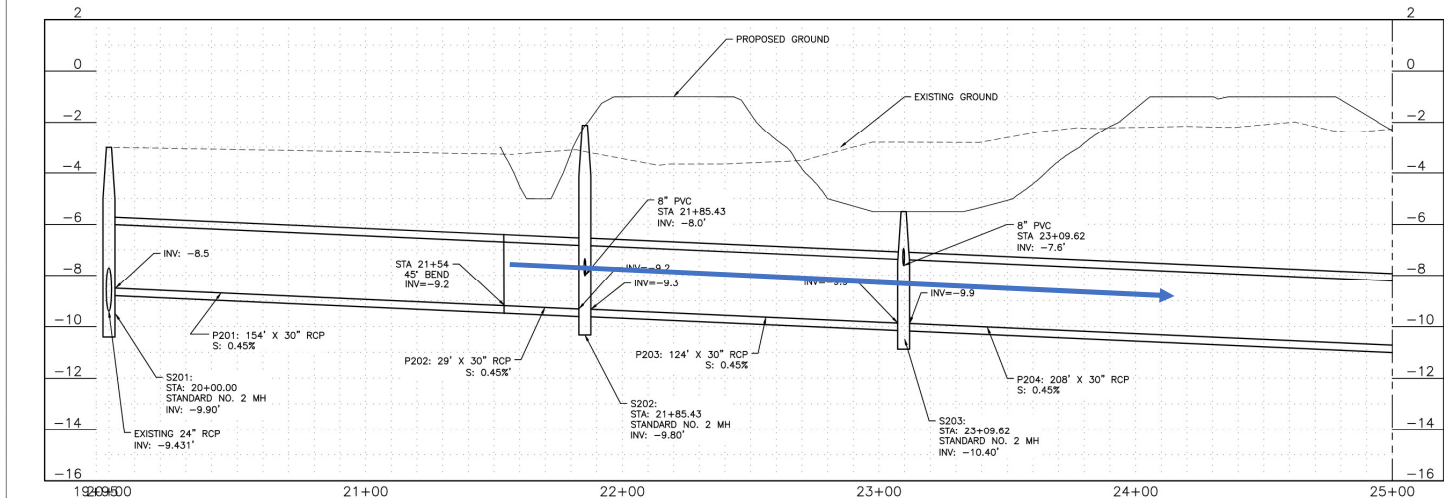
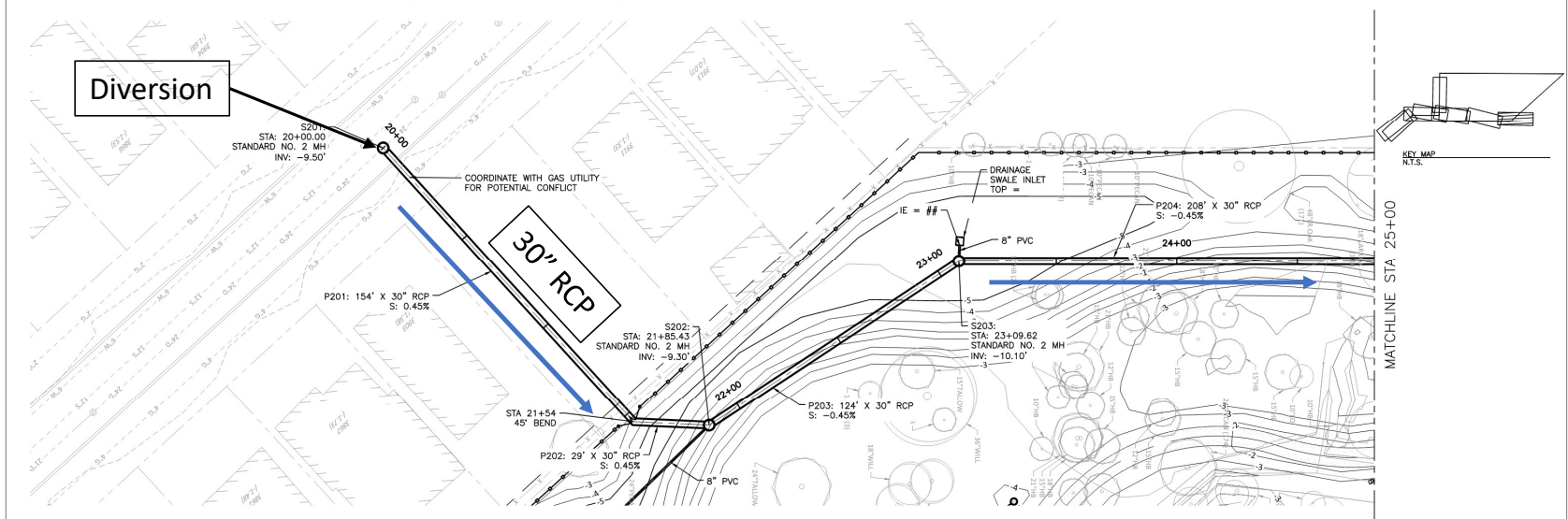
Conveyance /
Storage

4

Primary Discharge





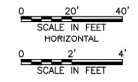
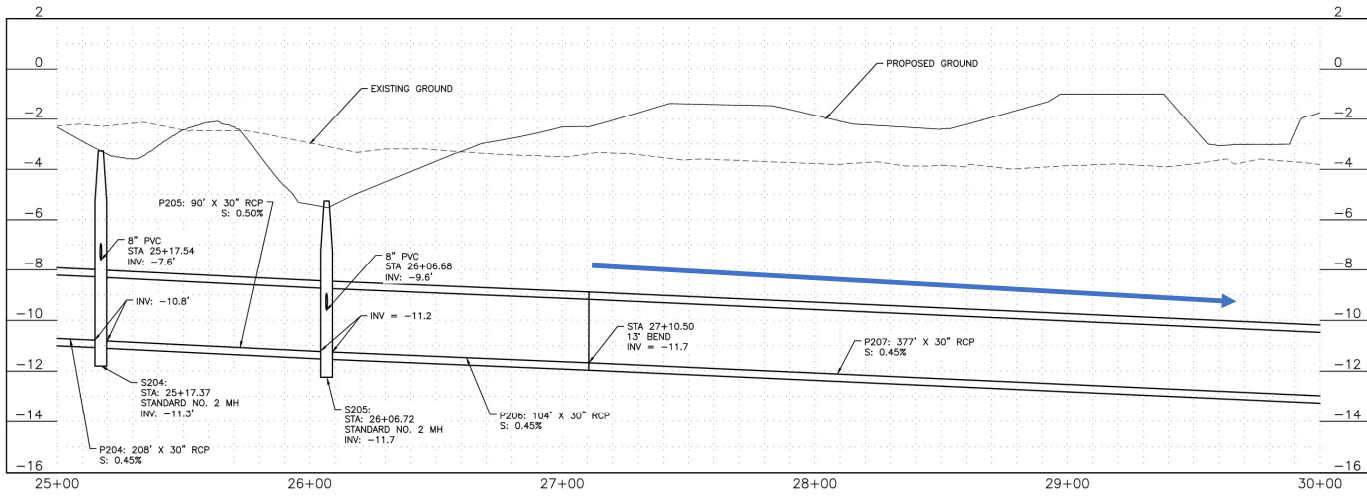
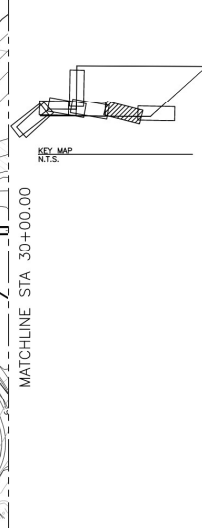
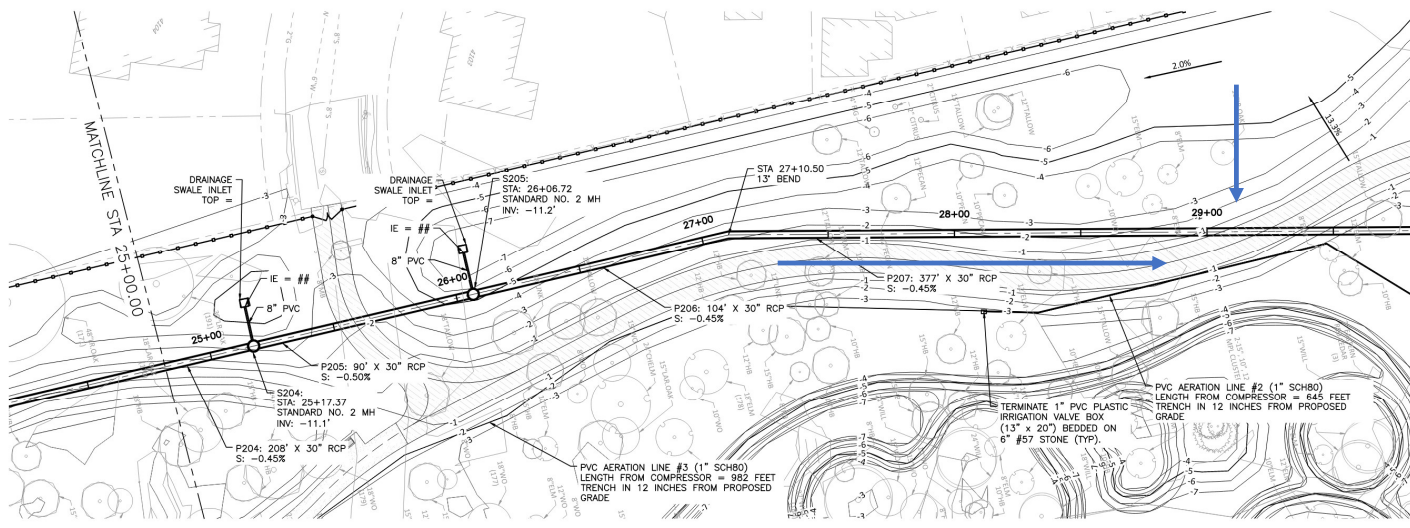


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PREPARED BY: FREESTER NICHOLS, INC. 1000 CHAMP ST., SUITE 200, NEW ORLEANS, LA 70110 SCALE: 1" = 20' DATE: 03/27/2022 SHEET: 3 OF 8	
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CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS DISTRICT OF DILLARD WETLANDS GENTILLY WETLANDS PHASE 2 BOX DRAWINGS STORM DRAIN PLAN & PROFILE (3 OF 8)	



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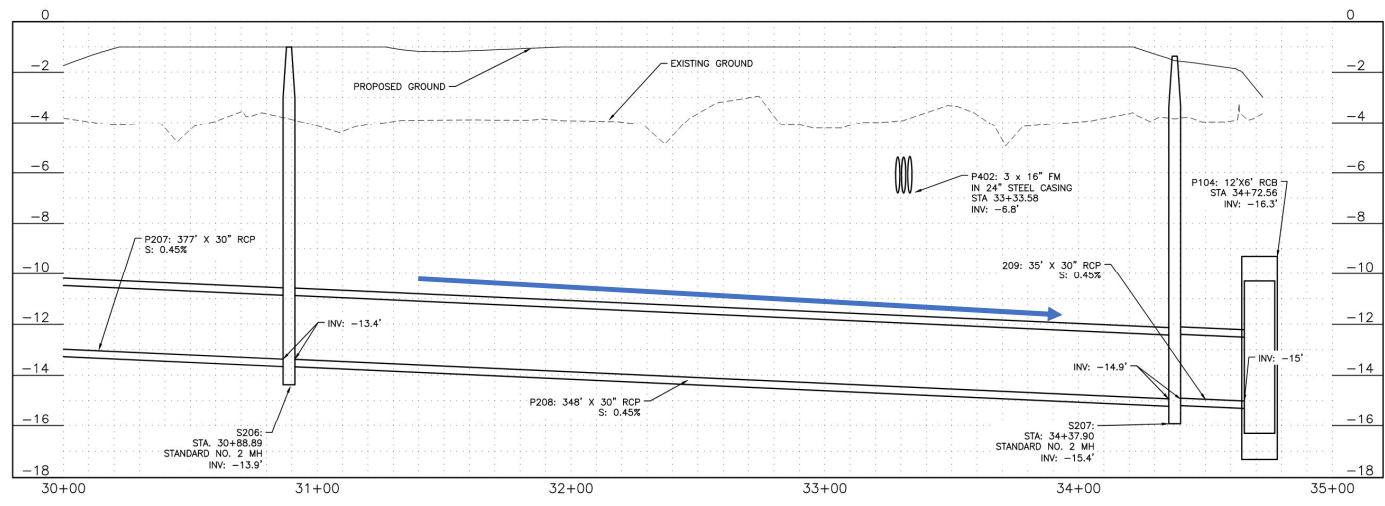
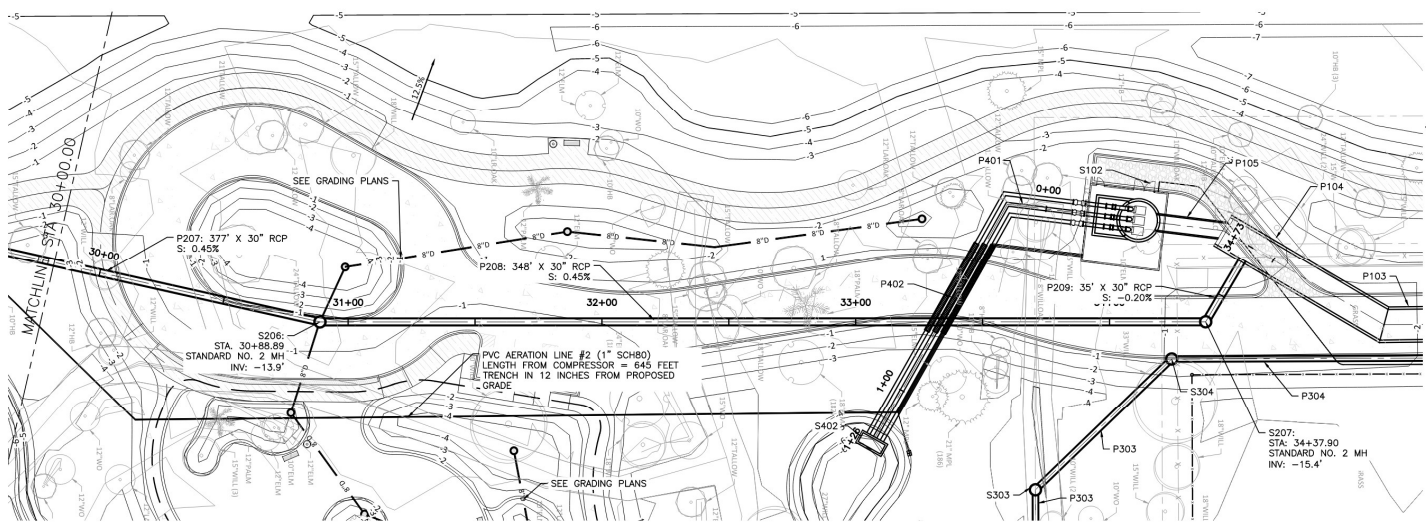
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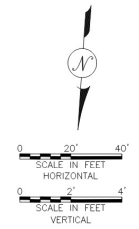
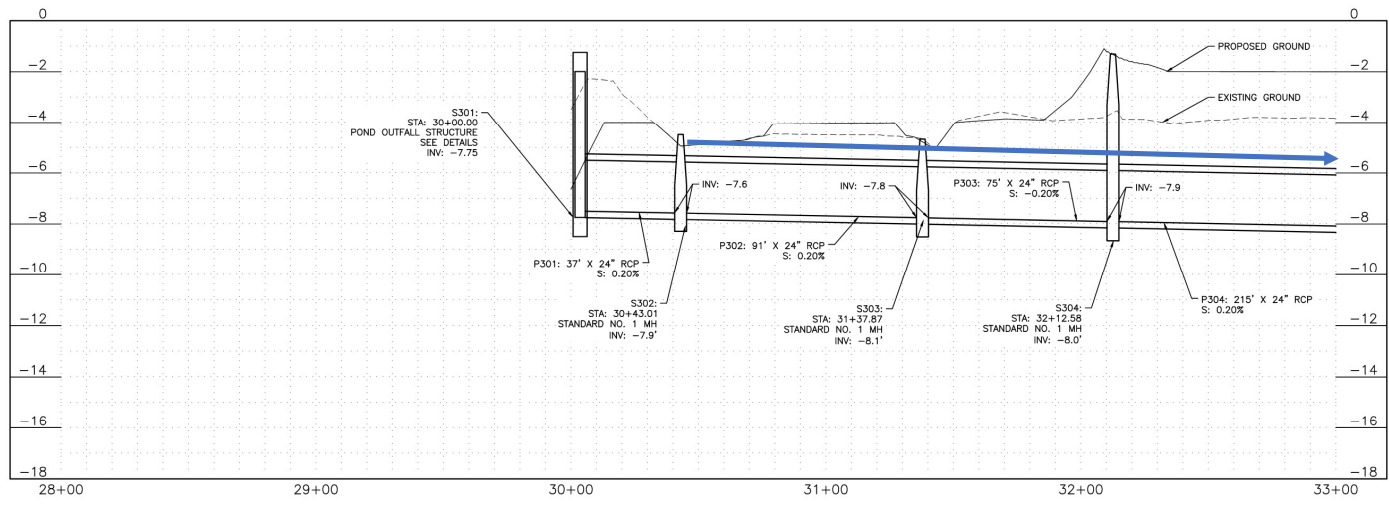
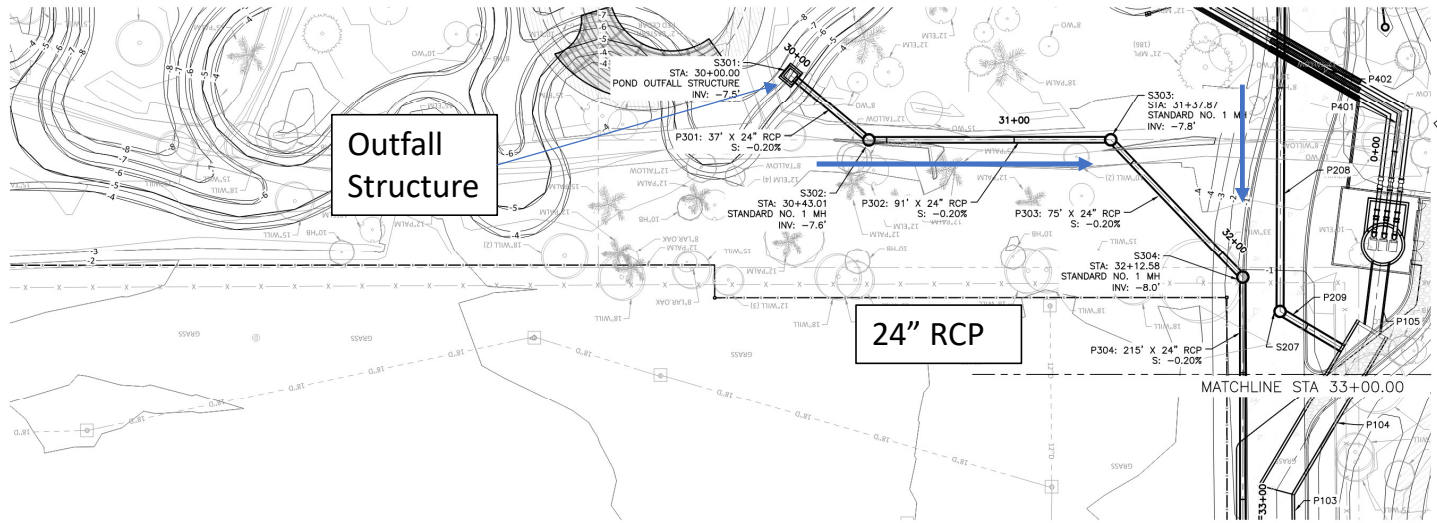


FRESSE AND NICHOLS, INC.
 1000 PINE STREET, SUITE 100, NEW ORLEANS, LA 70119
 PREPARED BY: J. B. ...
 CHECKED BY: ...
 DATE: 01/24/2022
 SCALE: 1" = 20'
 SHEET: ...



CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS
 GENTILLY RESILIENCE DISTRICT
 DILLARD WETLANDS PHASE 2 BOX DRAWINGS
 STORM DRAIN PLAN & PROFILE (5 OF 6)

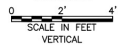
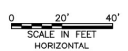
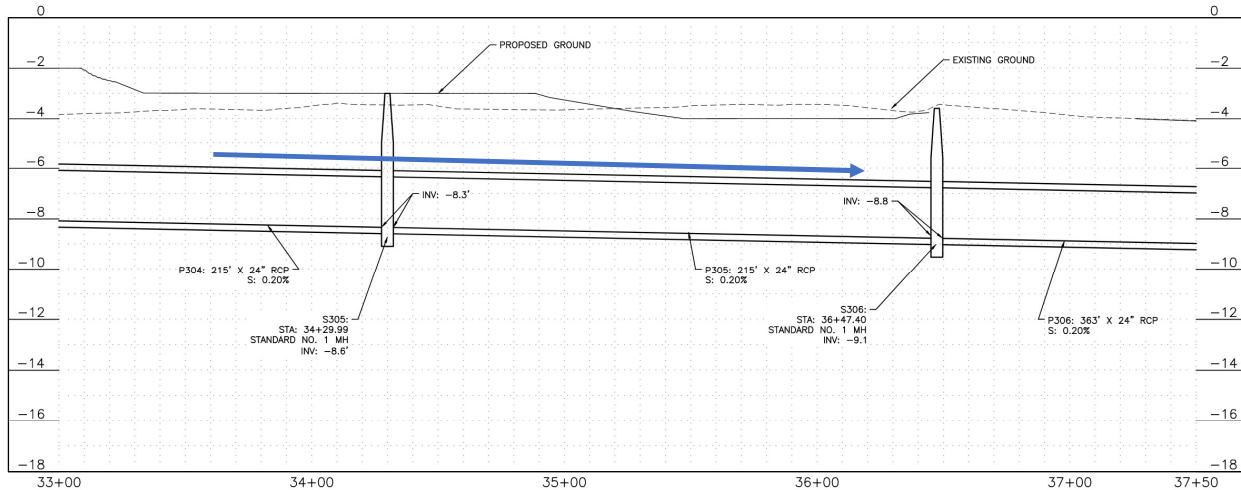
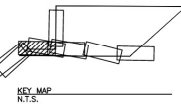
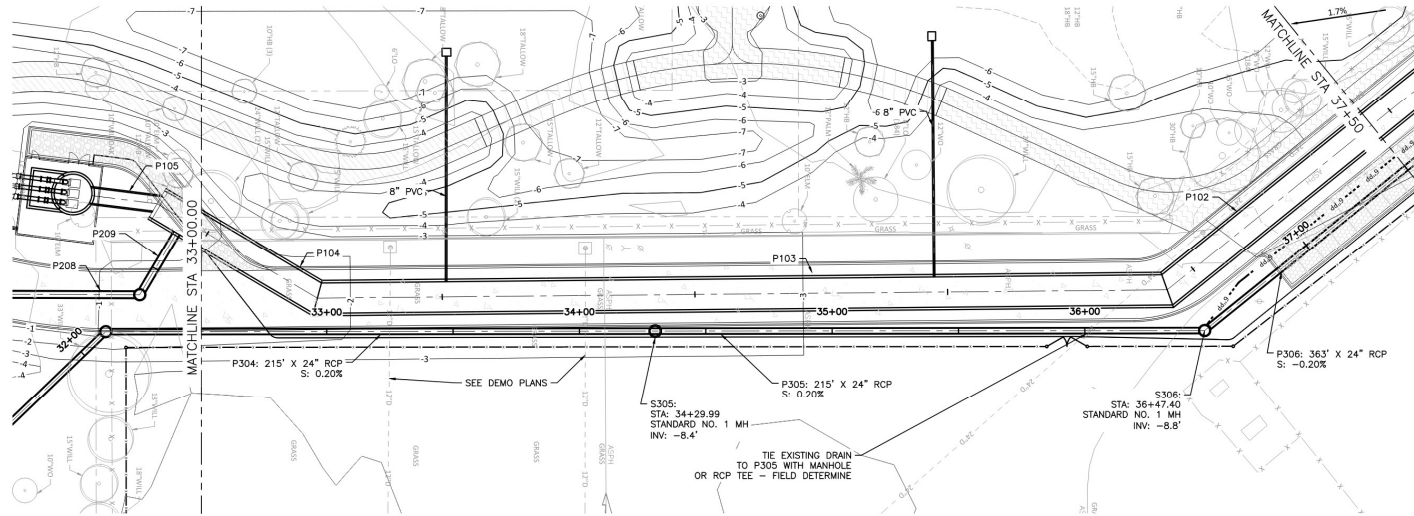




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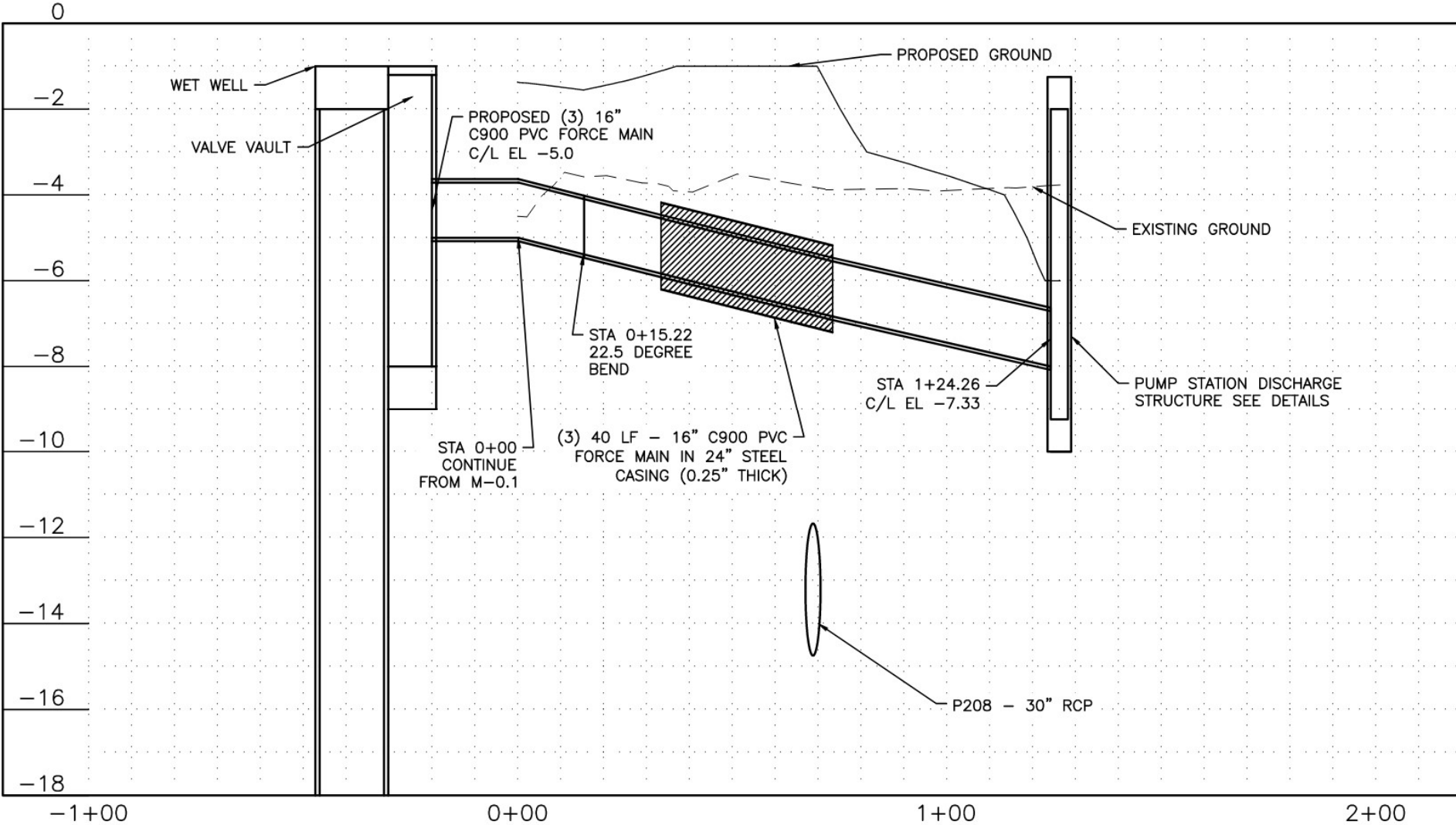
SHEET NUMBER C-3.5	
NO.	DATE
REVISION DESCRIPTION	
BY	
FRESE AND NICHOLS, INC.	
100 FRESE AND NICHOLS, INC. 1000 PINE ST. SUITE 200 NEW ORLEANS, LA 70112	
DESIGNED	SCALE 1" = 20'
CHECKED	DATE 07/26/2012
DATE	SHEET
NO.	DATE
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS	
GENTILLY RESILIENCE DISTRICT	
DILLARD WETLANDS PHASE 2 SOA DRAWINGS	
STORM DRAIN PLAN & PROFILE (6 OF 8)	
CITY OF NEW ORLEANS	



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SHEET NUMBER C-3.6	
NO.	DATE
REVISION DESCRIPTION	BY
FRESSE AND NICHOLS, INC. 600 CAMP STREET, SUITE 304, NEW ORLEANS, LA 70130	
DATE	SHEET
SCALE	1" = 20'
CHECKED	DATE
DESIGNED	DATE
DRAWN	DATE
PROJECT	DATE
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS DILLARD WETLANDS GENTILLY RESILIENCE DISTRICT DILLARD WETLANDS PHASE 2, 90% DRAWINGS STORM DRAIN PLAN & PROFILE (7 OF 8)	

Stormwater Pump Station Discharge



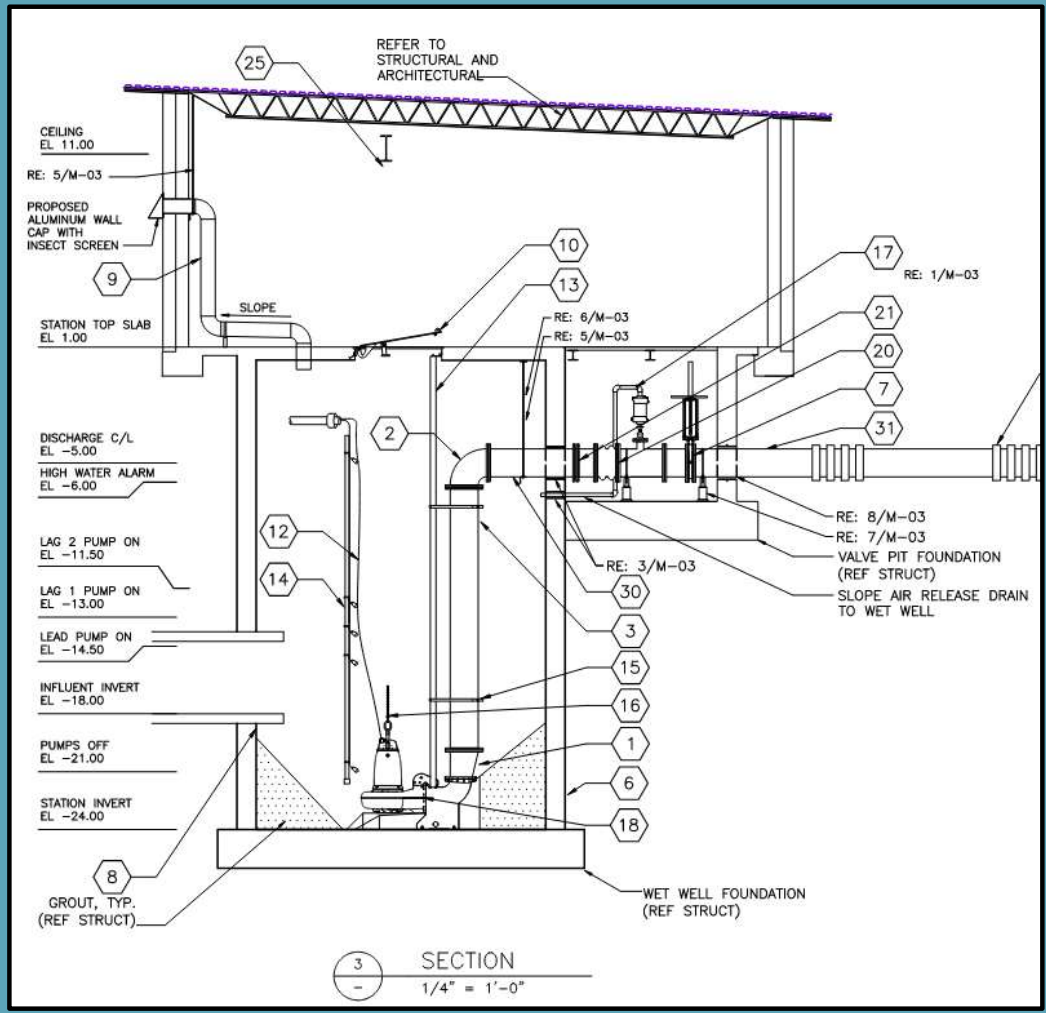
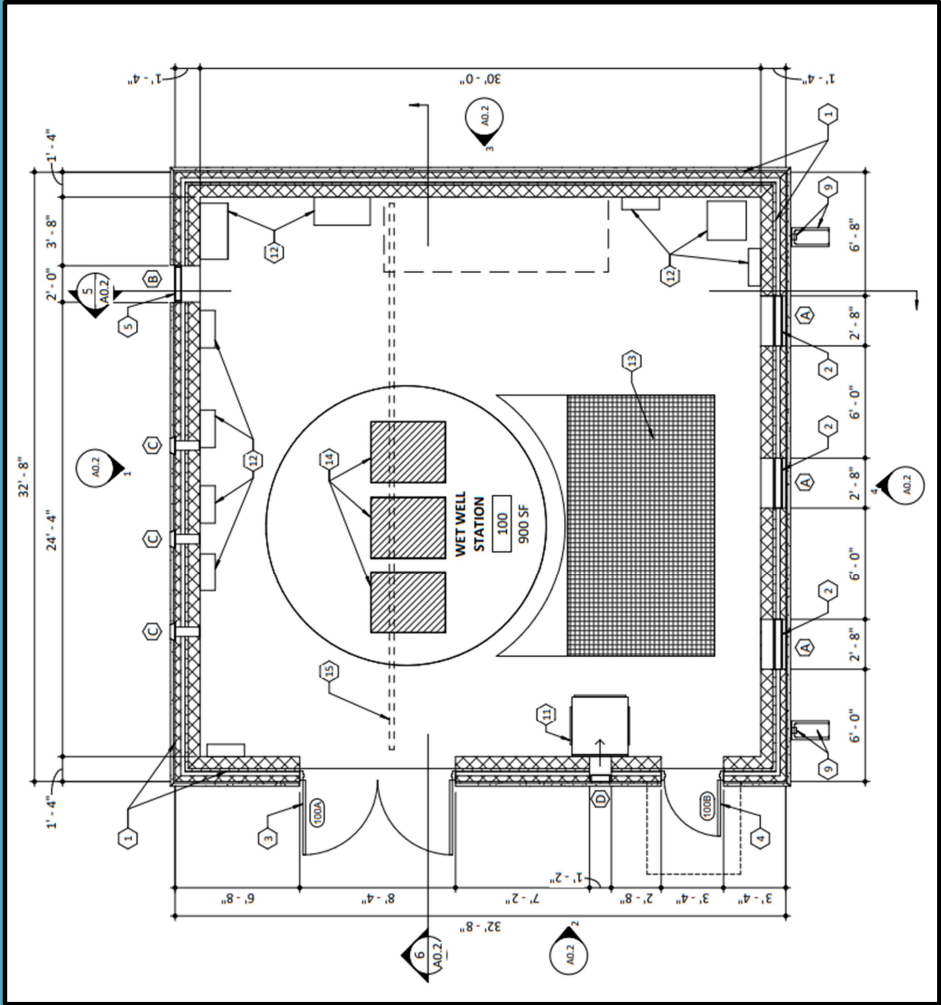
Pump Building and Maintenance Storage (Looking Southwest)



Pump Building and Maintenance Storage (Looking Northeast)



Pump Station Details



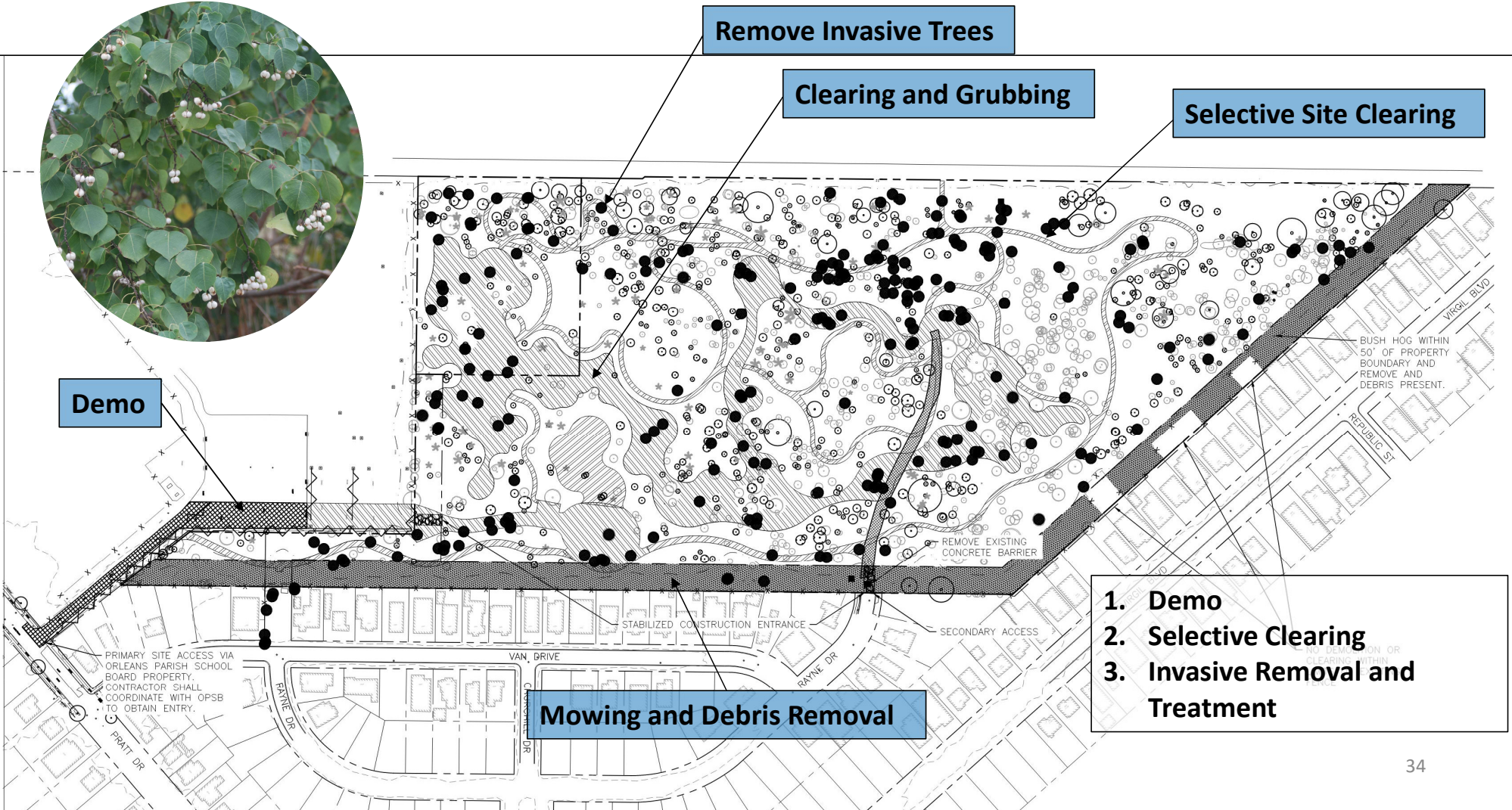


GENTILLY
Resilience
DISTRICT

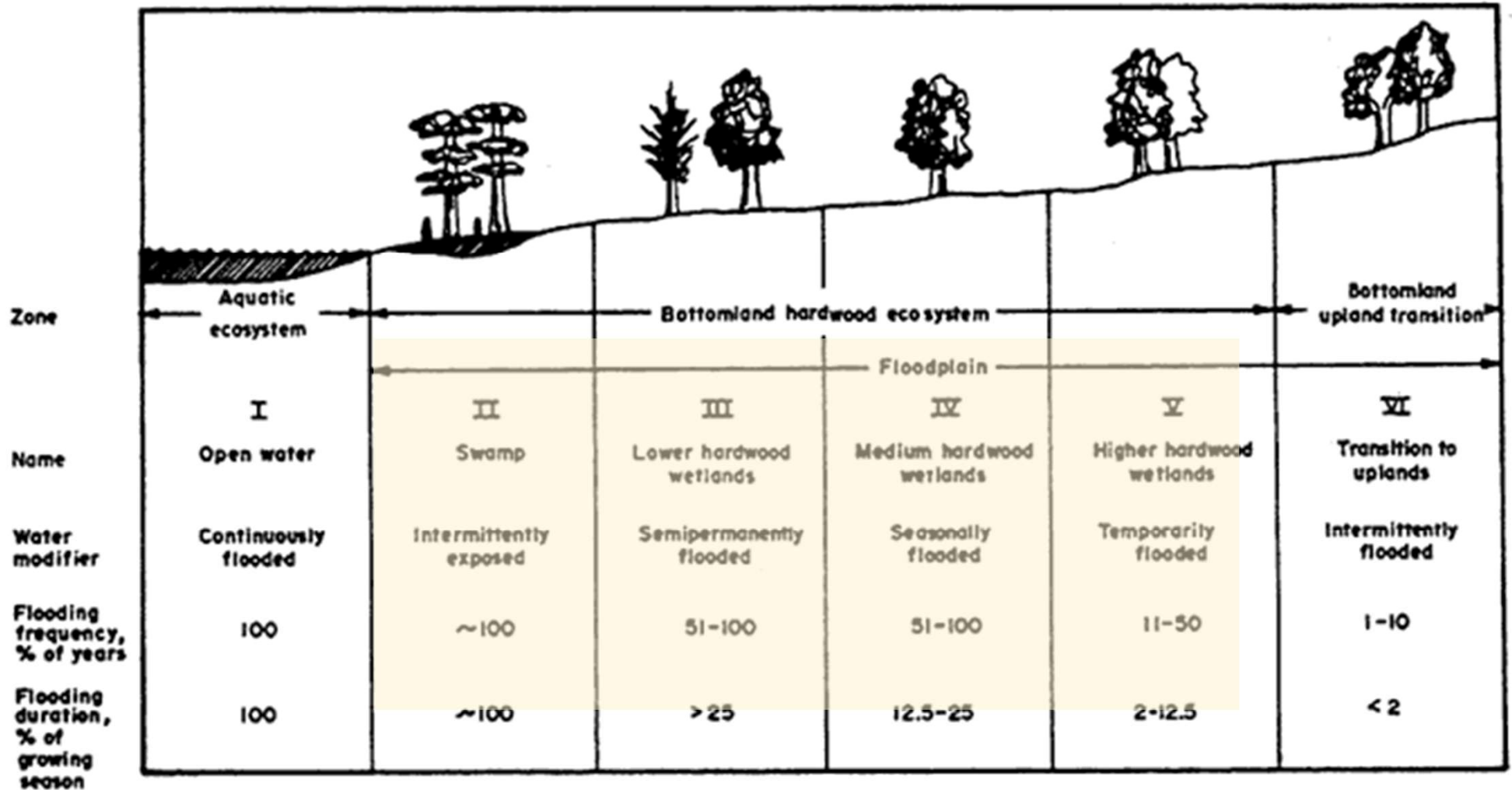
Ecological Restoration

Joel Tillery, PE, Freese and Nichols

Clearing and Invasive Removal



Zone Based Planting: Establish hydrologic zones and enhance landscape with appropriate vegetation.



Zone Based Planting: Establish hydrologic zones and enhance landscape with appropriate vegetation.



**Zone V:
Temporarily
Flooded**

**Zone II:
Intermittently
Exposed**



**Zone IV:
Seasonally
Flooded**

**Zone III: Semi-
Permanently
Flooded**

3. PLANTING ZONES INCLUDE THE FOLLOWING:
- A. ZONE 2 - INTERMITTENTLY EXPOSED (GROUND ELEVATION < -4.5 FEET NAVD88)
 - B. ZONE 3 - SEMI-PERMANENTLY FLOODED (-4.5 FEET < GROUND ELEVATION < -3.75)
 - C. ZONE 4 - SEASONALLY FLOODED (-3.75 FEET < GROUND ELEVATION < -3 FEET)
 - D. ZONE 5 - TEMPORARILY FLOODED (GROUND ELEVATION > -3 FEET)

Zone II:
Intermittently Exposed
Flooded > 365 Days
Elev < -4.5 feet

Zone III:
Semi-Permanently
Exposed
Flooded > 91 Days
Elev -4.5 to -3.75

Zone IV:
Seasonally Flooded
Flooded 46 to 91 days
Elev -3.75 to -3

Zone V:
Temporarily Flooded
Flooded < 46 days
Elev > -3



Tree Canopy

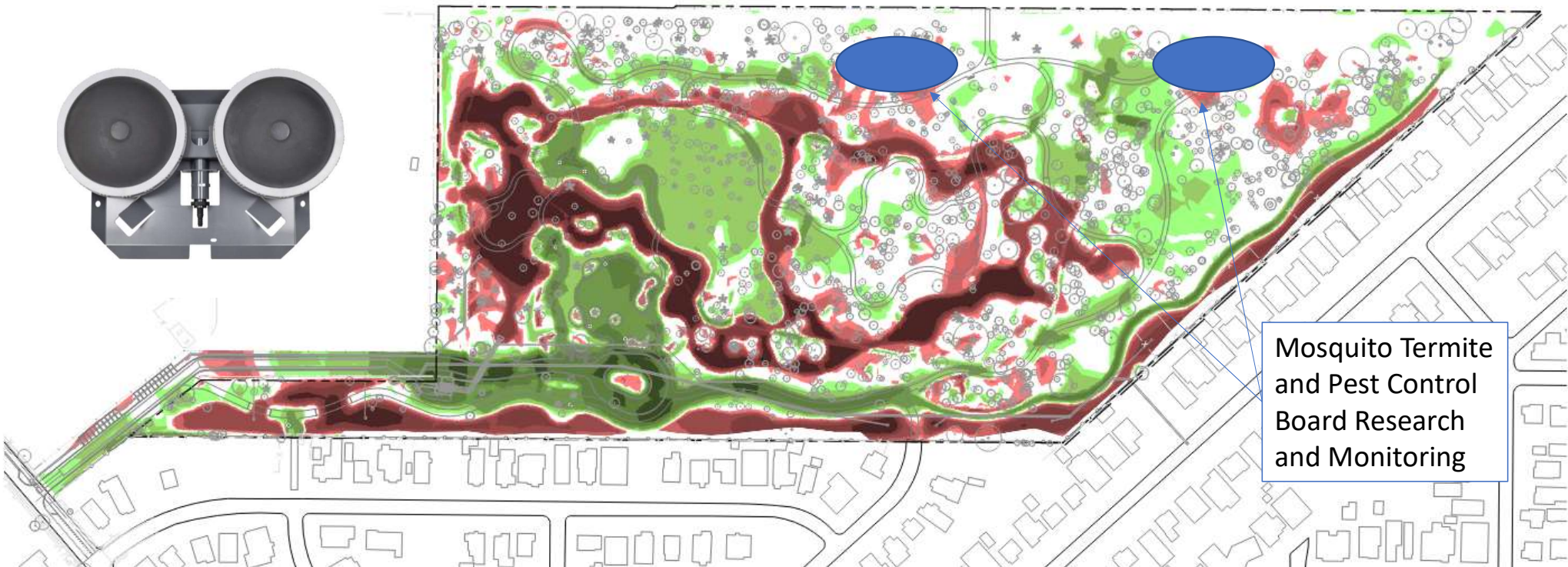
Shrub Layer

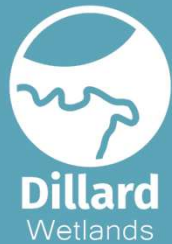
Herbaceous



Water Quality and Mosquito Control

- Grading to remove isolated pools
- Aeration
- City continued research and monitoring
- Treatment as necessary





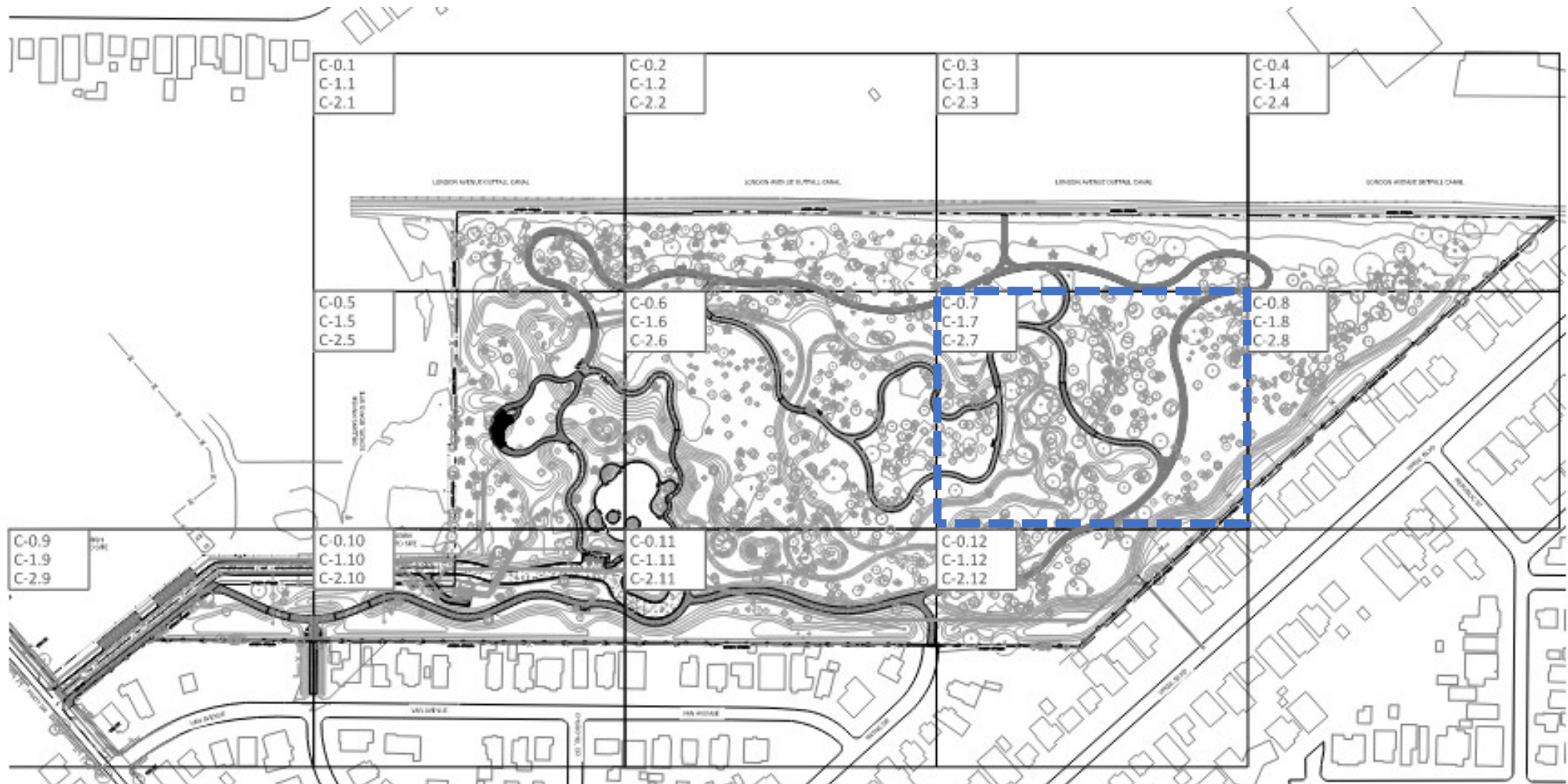
GENTILLY
Resilience
DISTRICT

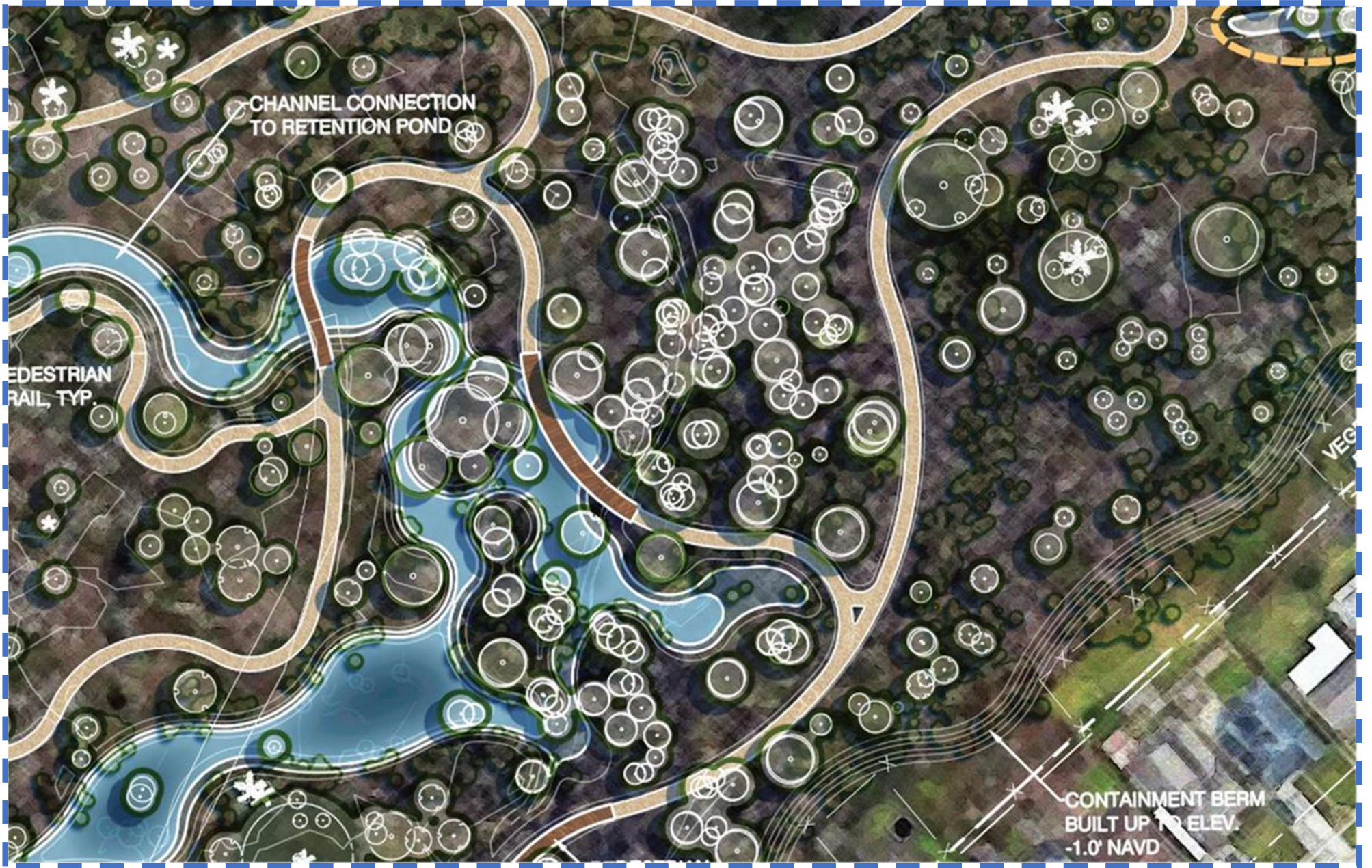
Site Design

Access, Park Amenities, Educational Opportunities

Andrew Doyle, PLA, Batture

Plan Layout and Key Maps





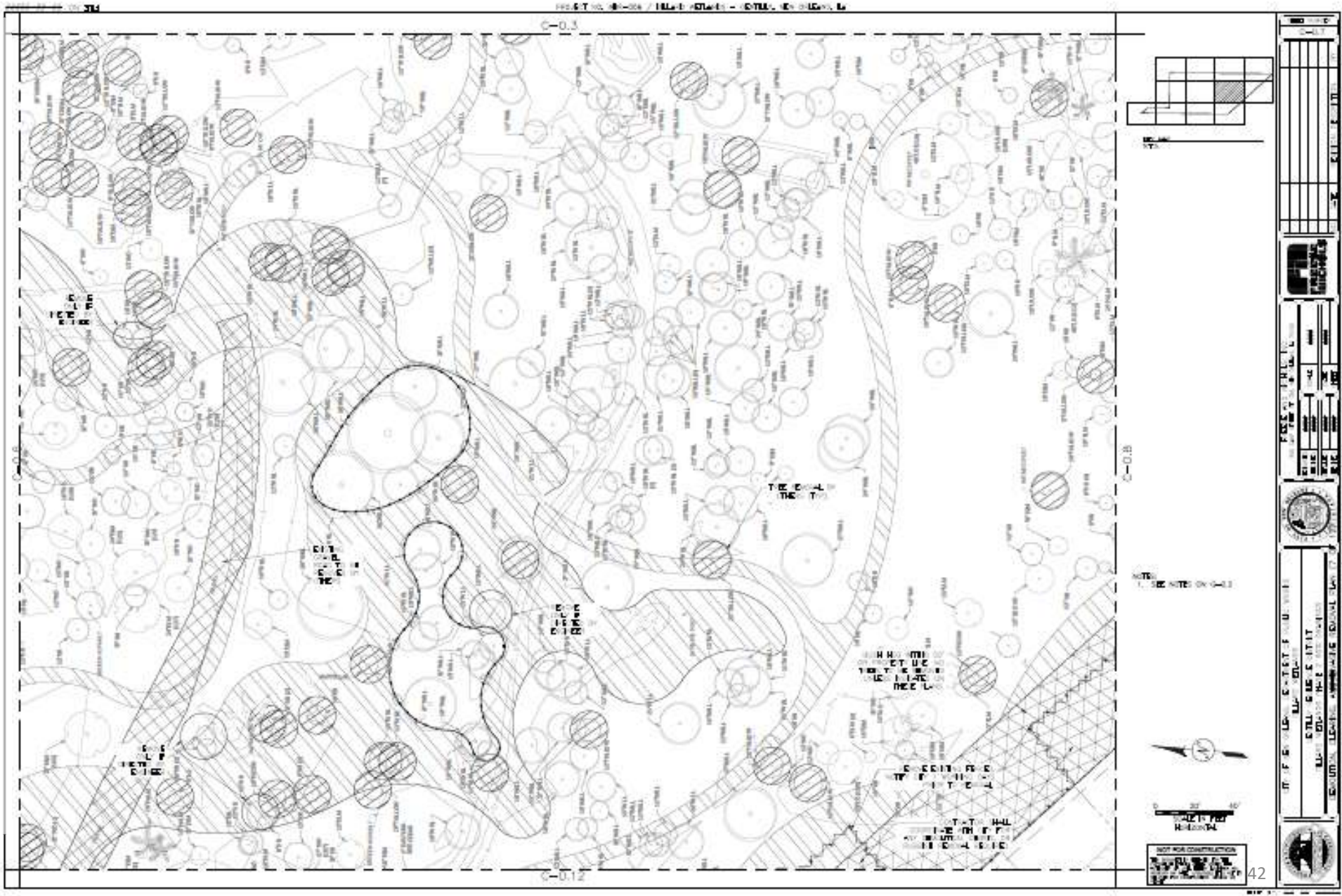
CHANNEL CONNECTION
TO RETENTION POND

PEDESTRIAN
RAIL, TYP.

CONTAINMENT BERM
BUILT UP TO ELEV.
-1.0' NAVD

VEG

CLEARING



NO.	DATE	REVISION
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GRADING PLANS

100-61-001 '0N 01a

PROJECT NO. HDR-006 / DILLARD WETLANDS - GENTILLY, NEW ORLEANS, LA



KEY SHEET
NOT TO SCALE

GRADING LEGEND

STOP/NOPOST/ELEVATION

- PROPOSED POST ELEVATION
- PROPOSED CANAL CHANNEL
- PROPOSED CANAL BEDROCK
- SLOPE ARROW
- LOW POINT
- HIGH POINT
- TOP OF CURB
- BOTTOM OF CURB
- FORMER ELEVATION OF BOUNDARY
- EXIST. SPOT ELEV.
- EXIST. TOP OF LOW WALL/RETAIN. WALL
- EXIST. HIGH ELEVATION

OVERLAP (SHADED) 1'-1" SCALE, 1/8" E.A.S. (SEE SHEET C-2.3)

PROPOSED AREA FOR REGIONAL SET BACK

PROPOSED FIVE FOOT BUFFER

EXISTING ELEVATION (SHADED) 1'-1" SCALE, 1/8" E.A.S. (SEE SHEET C-2.3)

EXISTING HIGH ELEVATION (SHADED) 1'-1" SCALE, 1/8" E.A.S. (SEE SHEET C-2.3)

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THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF JENNIFER M. SHAPIRO, MISSISSIPPI REGISTERED PROFESSIONAL ENGINEER, NO. 35470 ON DATE: 1/25/2023. IT IS NOT TO BE USED FOR CONSTRUCTION, RECORDS, OR PERMIT.

SCALE IN FEET
0 20' 40'

PROPERTY BOUNDARY

SEE SHEET C-2.8

SEE SHEET C-2.3

SEE SHEET C-2.6

SEE SHEET C-2.12

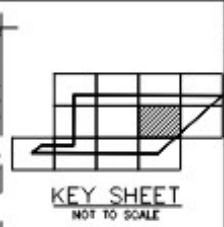
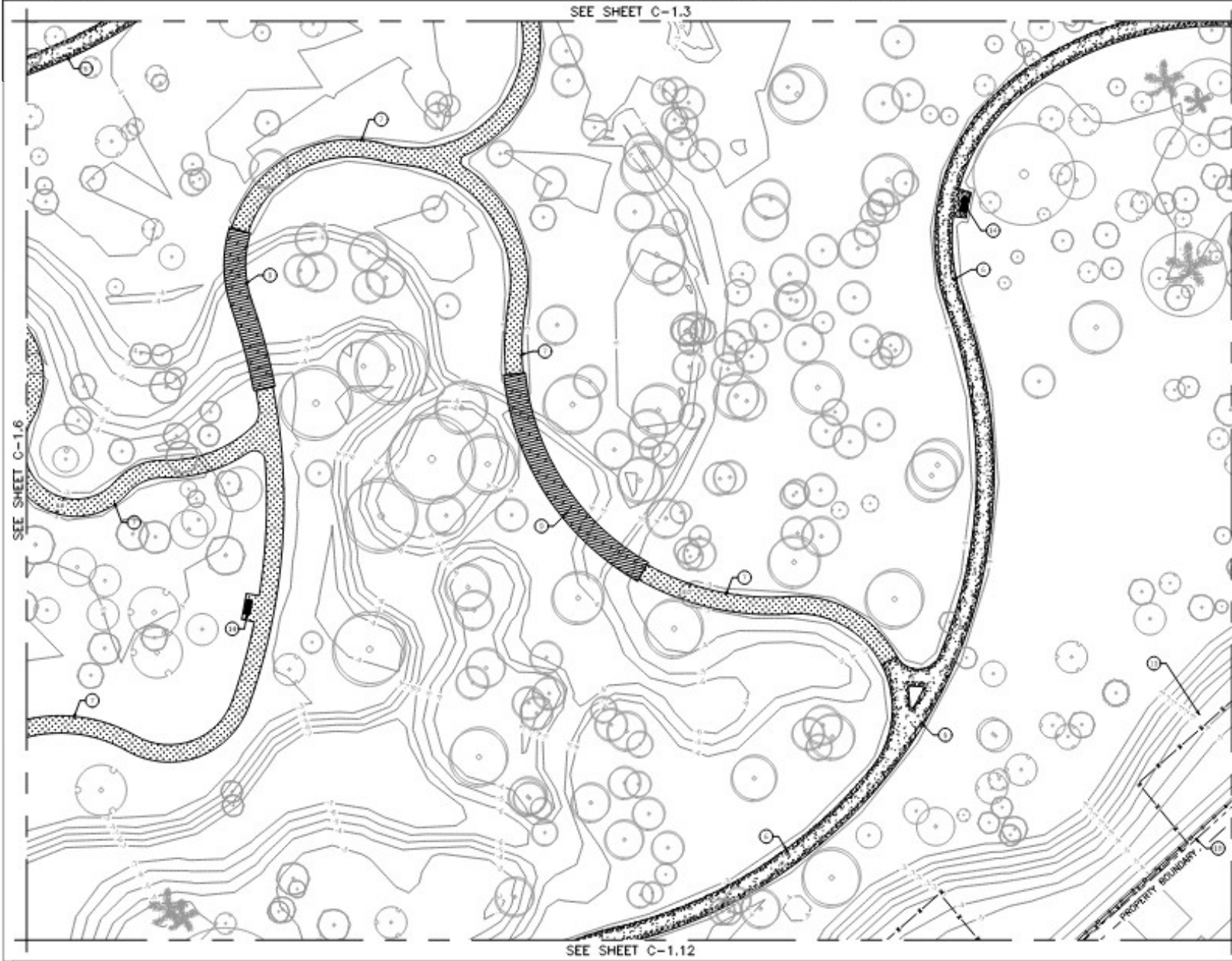
SHEET NUMBER		C-2.7	
BY	REVISION	DATE	DESCRIPTION
<p>ERESTE AND NICHOLS, INC. 400 CAMP STREET, SUITE 400, NEW ORLEANS, LA 70112 REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 11-0001 EXPIRES 12/31/2023</p>			
SCALE	DATE	SHEET	NO.
1"=20'	1/25/2023	C-2.7	3
<p>CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS GENTILLY RESIDENCE DISTRICT DILLARD WETLANDS PROJECT GRADING PART OF 3/1</p>			

SITE PLANS

100-61-999 '0N 27M

PROJECT NO. NER-006 / BELLARD WETLANDS - GENTILLY, NEW ORLEANS, LA

SEE SHEET C-1.3



SITE PLAN LEGEND

- 1. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 3, SHEET C-1.6)
- 2. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 4, SHEET C-1.6)
- 3. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 5, SHEET C-1.6)
- 4. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 6, SHEET C-1.6)
- 5. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 7, SHEET C-1.6)
- 6. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 8, SHEET C-1.6)
- 7. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 9, SHEET C-1.6)
- 8. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 10, SHEET C-1.6)
- 9. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 11, SHEET C-1.6)
- 10. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 12, SHEET C-1.6)
- 11. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 13, SHEET C-1.6)
- 12. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 14, SHEET C-1.6)
- 13. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 15, SHEET C-1.6)
- 14. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 16, SHEET C-1.6)
- 15. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 17, SHEET C-1.6)
- 16. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 18, SHEET C-1.6)
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- 18. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 20, SHEET C-1.6)
- 19. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 21, SHEET C-1.6)
- 20. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 22, SHEET C-1.6)
- 21. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 23, SHEET C-1.6)
- 22. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 24, SHEET C-1.6)
- 23. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 25, SHEET C-1.6)
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- 79. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 81, SHEET C-1.6)
- 80. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 82, SHEET C-1.6)
- 81. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 83, SHEET C-1.6)
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- 83. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 85, SHEET C-1.6)
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- 98. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 100, SHEET C-1.6)
- 99. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 101, SHEET C-1.6)
- 100. 1/2" DIA. (1/4" DIA. HOLLOW) (SEE DETAIL 102, SHEET C-1.6)

SEE SHEET C-1.8

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 UNDER THE AUTHORITY OF:
 JENNIFER M. SHURT, LONGHORN NO. 30470
 ON DATE: 1/20/2022. IT
 IS NOT TO BE USED FOR
 CONSTRUCTION, BIDDING, OR
 PERMIT.



SHEET NUMBER		C-1.7	
PROJECT NUMBER		NER-006	
PROJECT NAME		BELLARD WETLANDS - GENTILLY, NEW ORLEANS, LA	
DATE		1/20/2022	
DRAWN BY		JENNIFER M. SHURT	
CHECKED BY		JENNIFER M. SHURT	
SCALE		AS SHOWN	
UNIT		FEET	
PROJECT		BELLARD WETLANDS - GENTILLY, NEW ORLEANS, LA	
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS		GENTILLY WETLANDS DISTRICT	
BELLARD WETLANDS		BELLARD WETLANDS PROJECT	
SITE PLAN (AVD) (7 OF 12)			

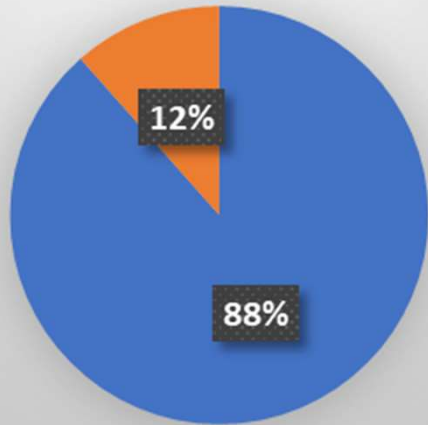
Site Perimeter Survey Results

Metal Fence

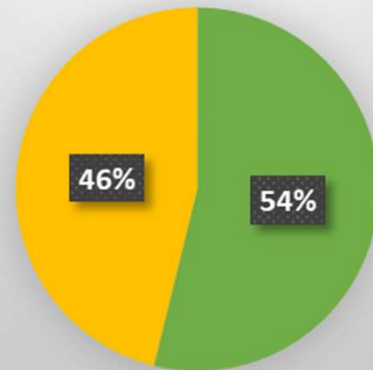
Final Preferences Identified

Evergreen Hedge for Privacy Preferred

Wooden Metal



Open View Hedge



Site Access & Perimeter Design

-  Multi-Modal Access (Bus, Car, Bike, Walk)
-  Pedestrian & Bike Only Access
-  Emergency Vehicles Only

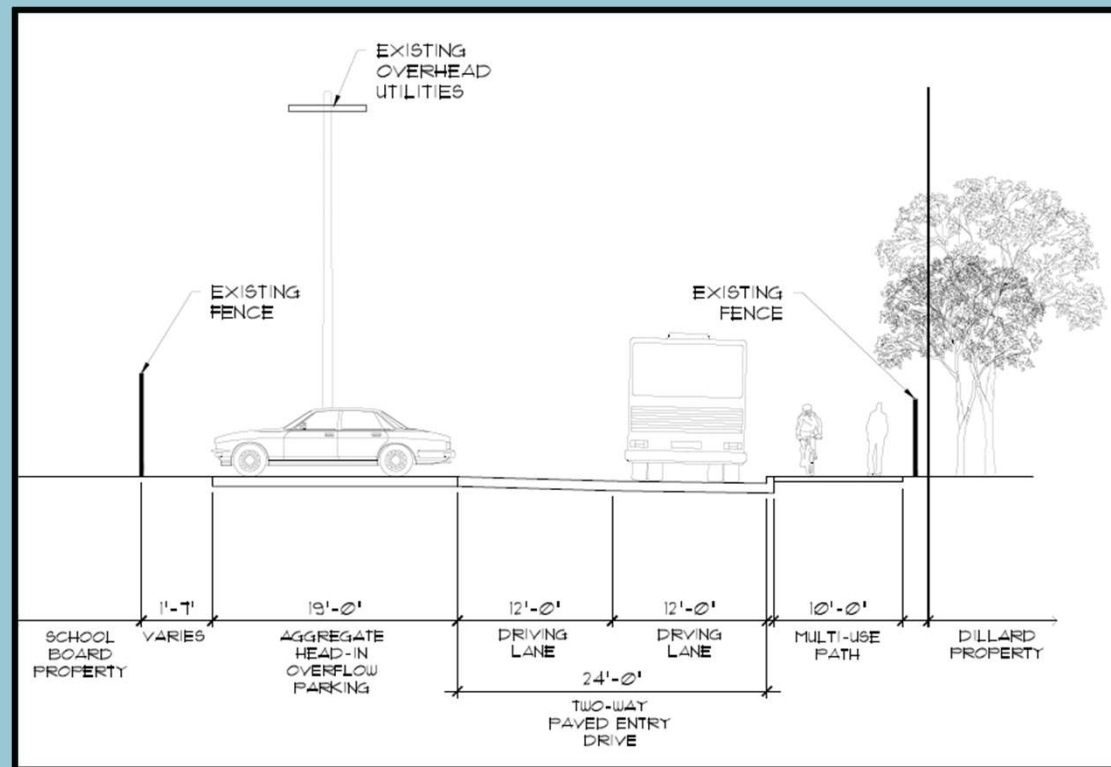
LONDON AVENUE OUTFALL CANAL



Perimeter and Buffer Design

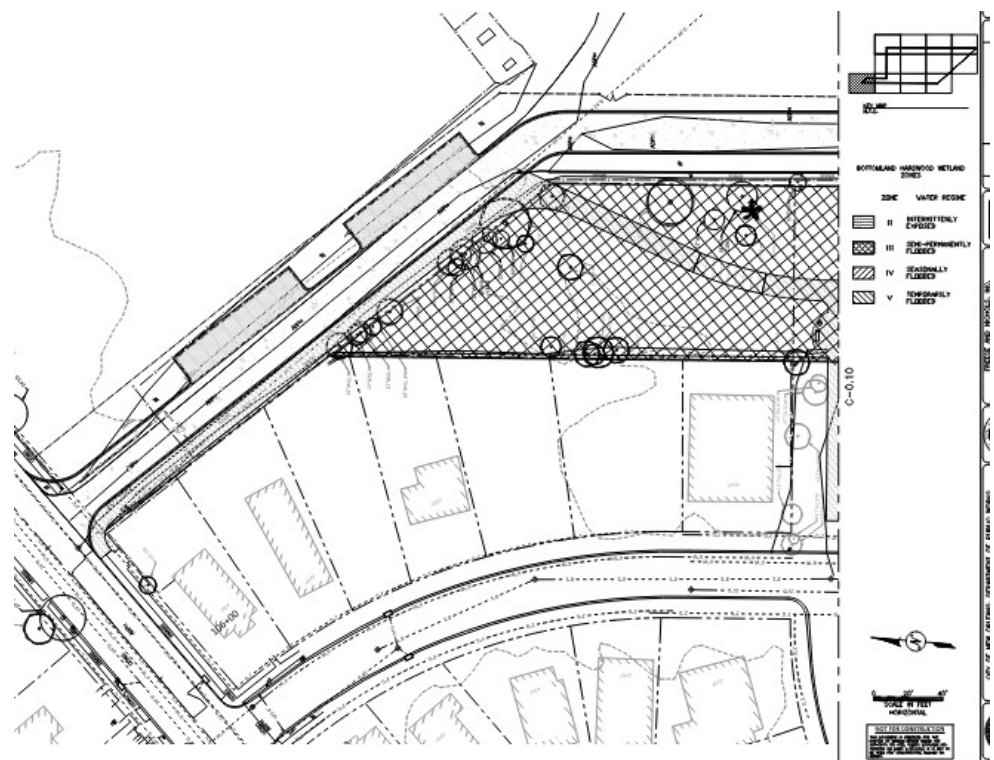
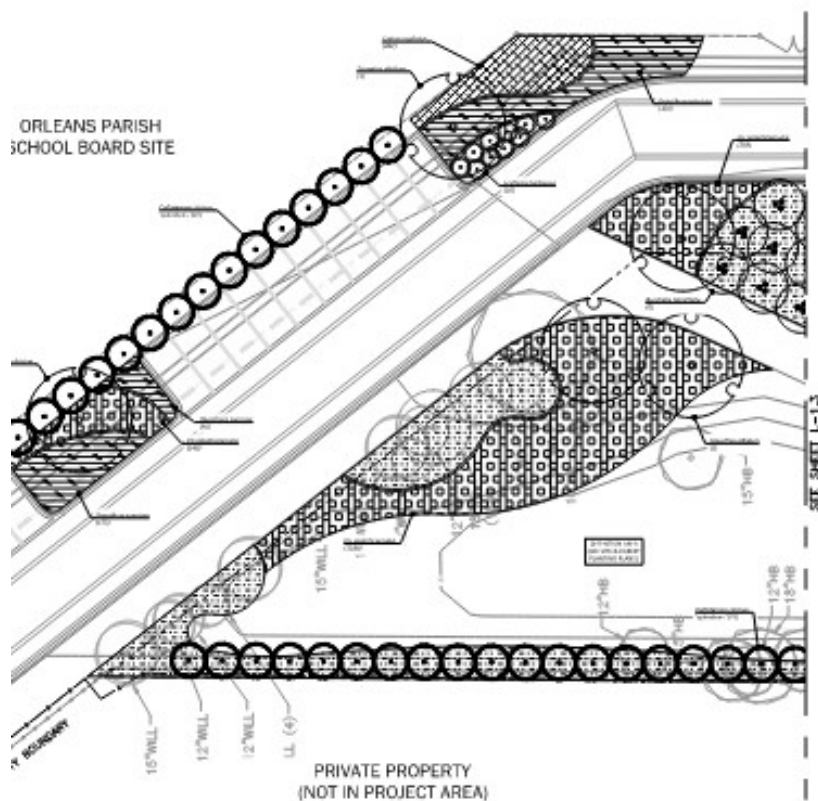


Access Road and Multi-Use Entrance Path

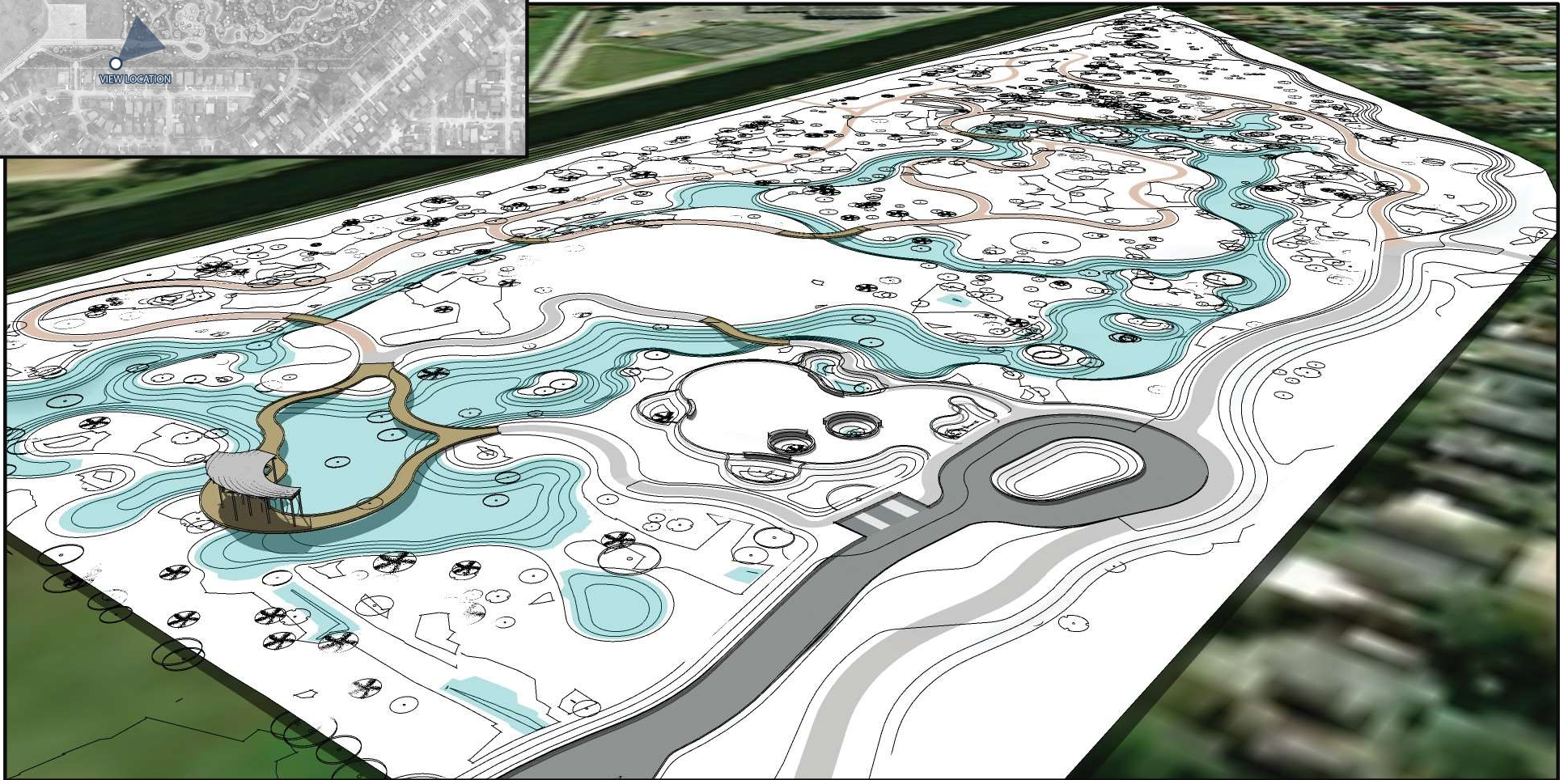


All users (car, bikes & pedestrians) can safely transition from Pratt Drive onto the Access Road and adjacent Multi-Use Path

Parking and Landscaping Details

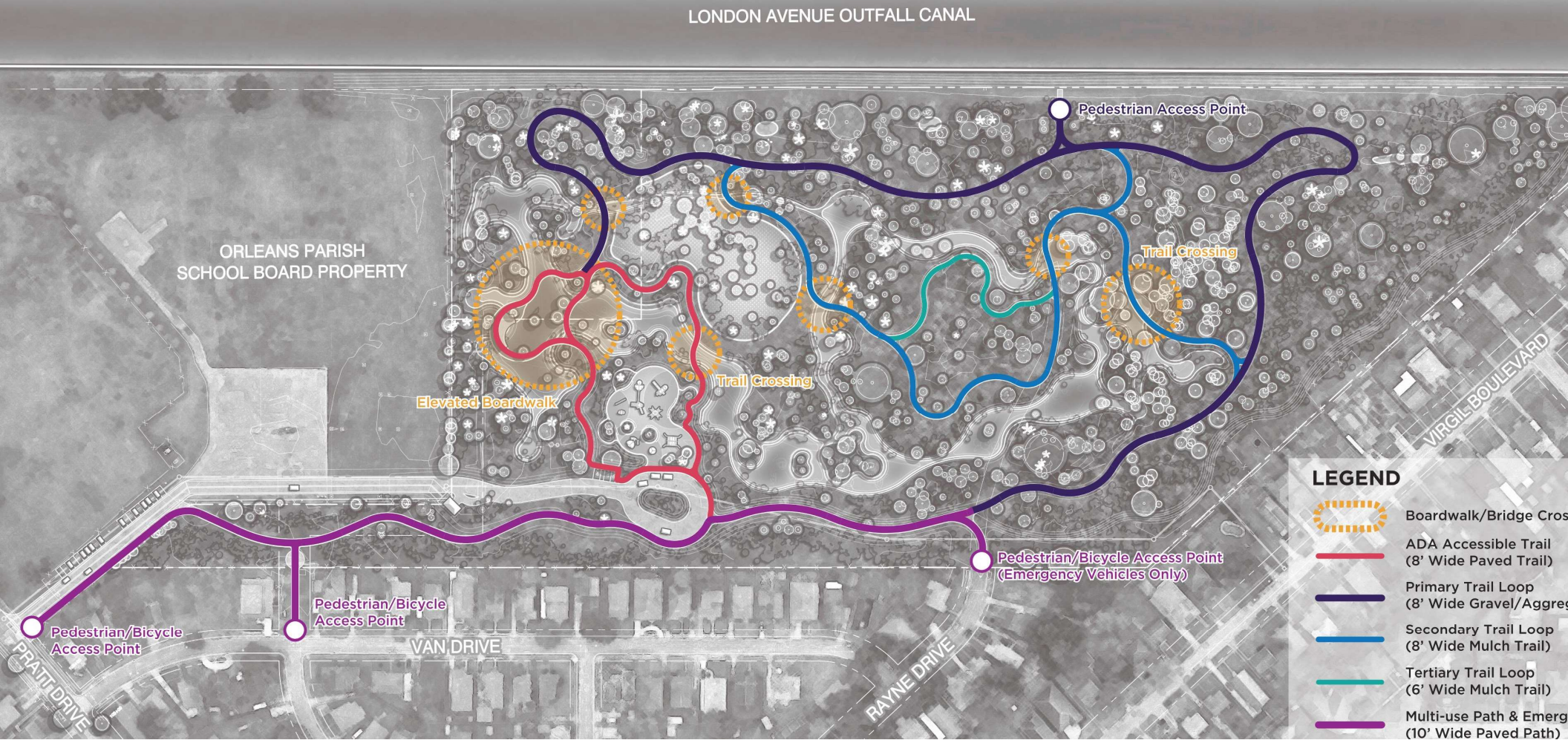


Trails and Boardwalks



Trail Network

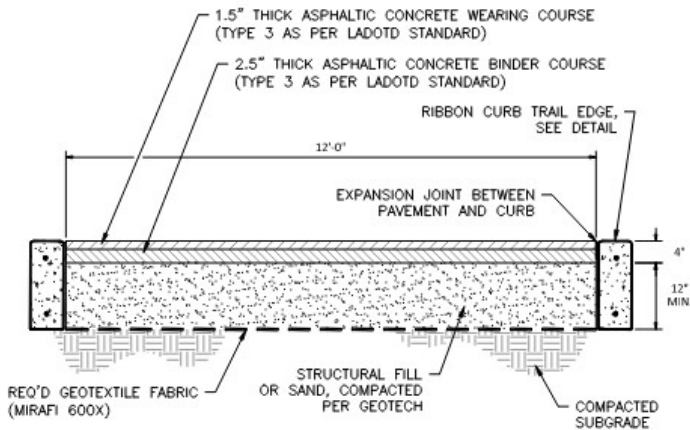
(Primary, Secondary and Tertiary Trails with varying materials)



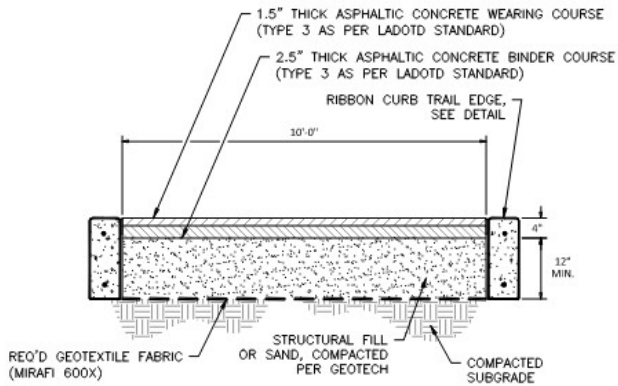
LEGEND

-  Boardwalk/Bridge Cross
-  ADA Accessible Trail (8' Wide Paved Trail)
-  Primary Trail Loop (8' Wide Gravel/Aggregate)
-  Secondary Trail Loop (8' Wide Mulch Trail)
-  Tertiary Trail Loop (6' Wide Mulch Trail)
-  Multi-use Path & Emergency (10' Wide Paved Path)

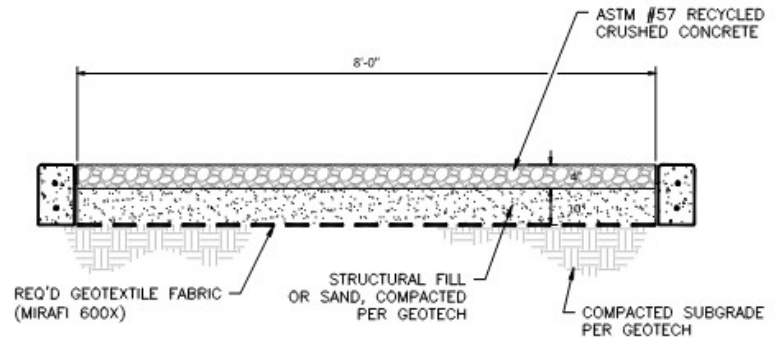
Trail Details



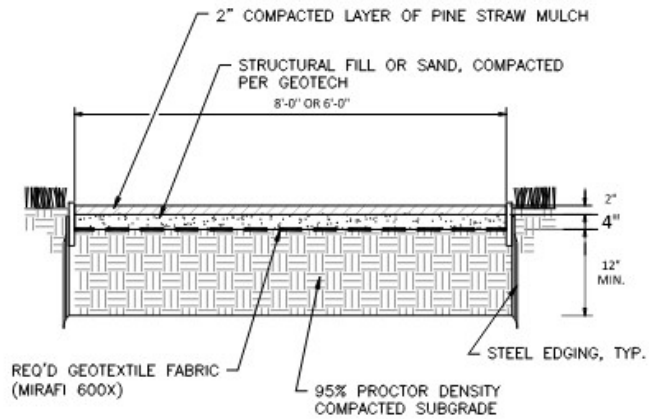
3 MULTI-USE & EMERGENCY ACCESS TRAIL
C-6.6 NOT TO SCALE



4 TRAIL - TYPE A (ASPHALT)
C-6.6 NOT TO SCALE

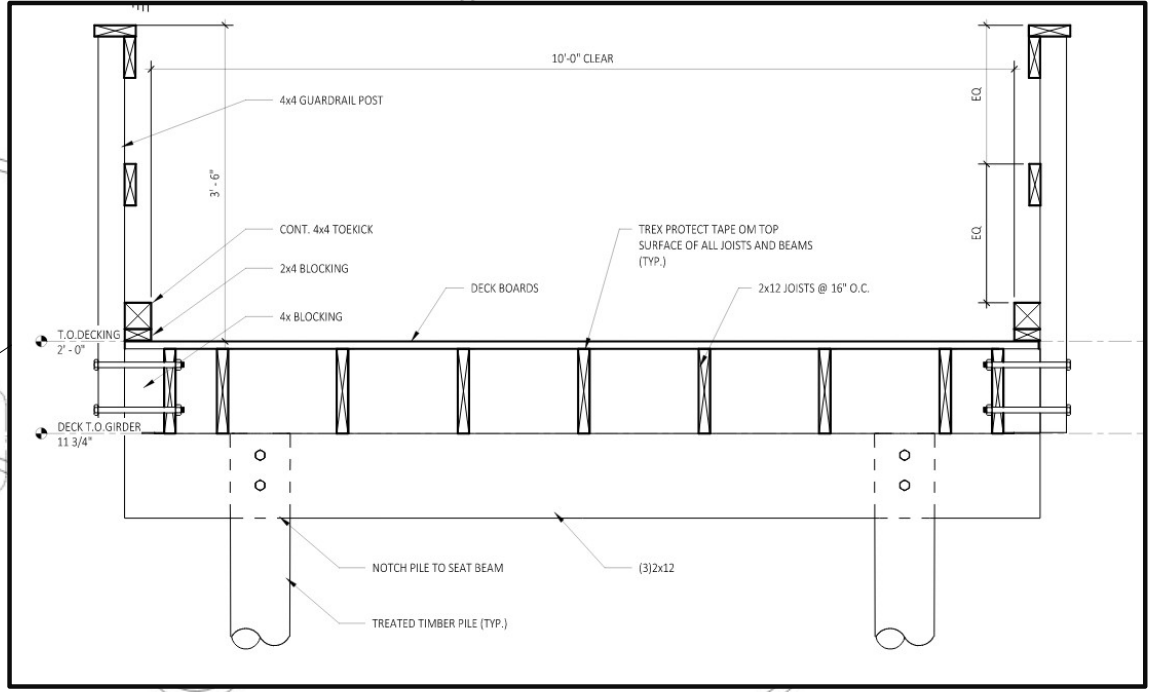
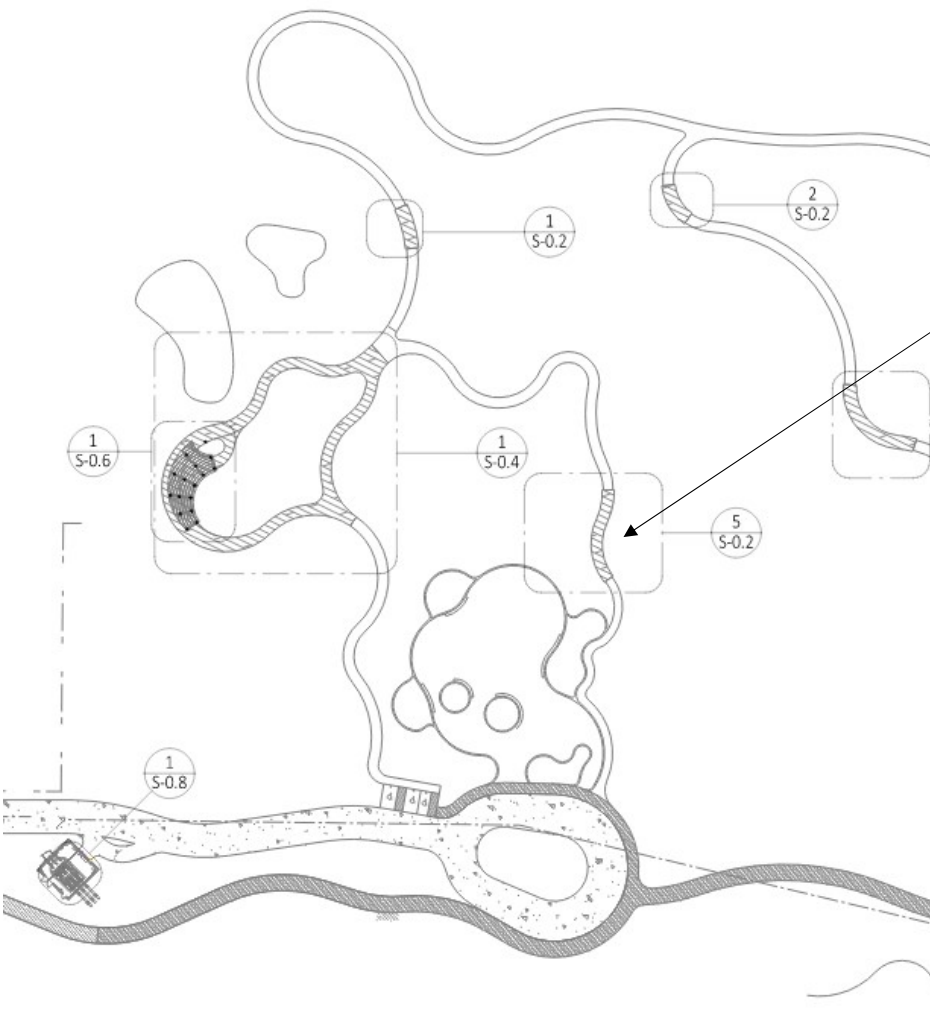
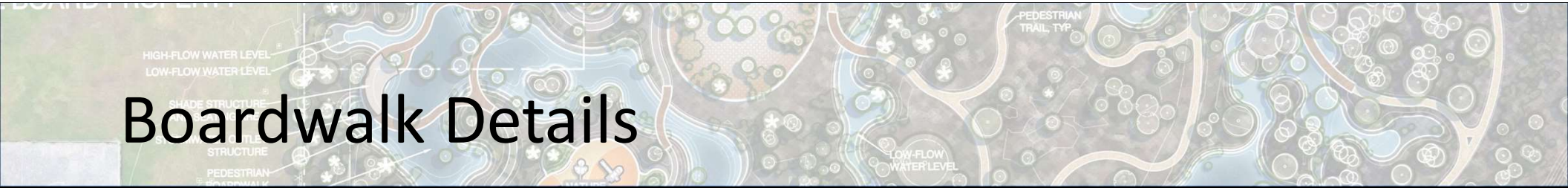


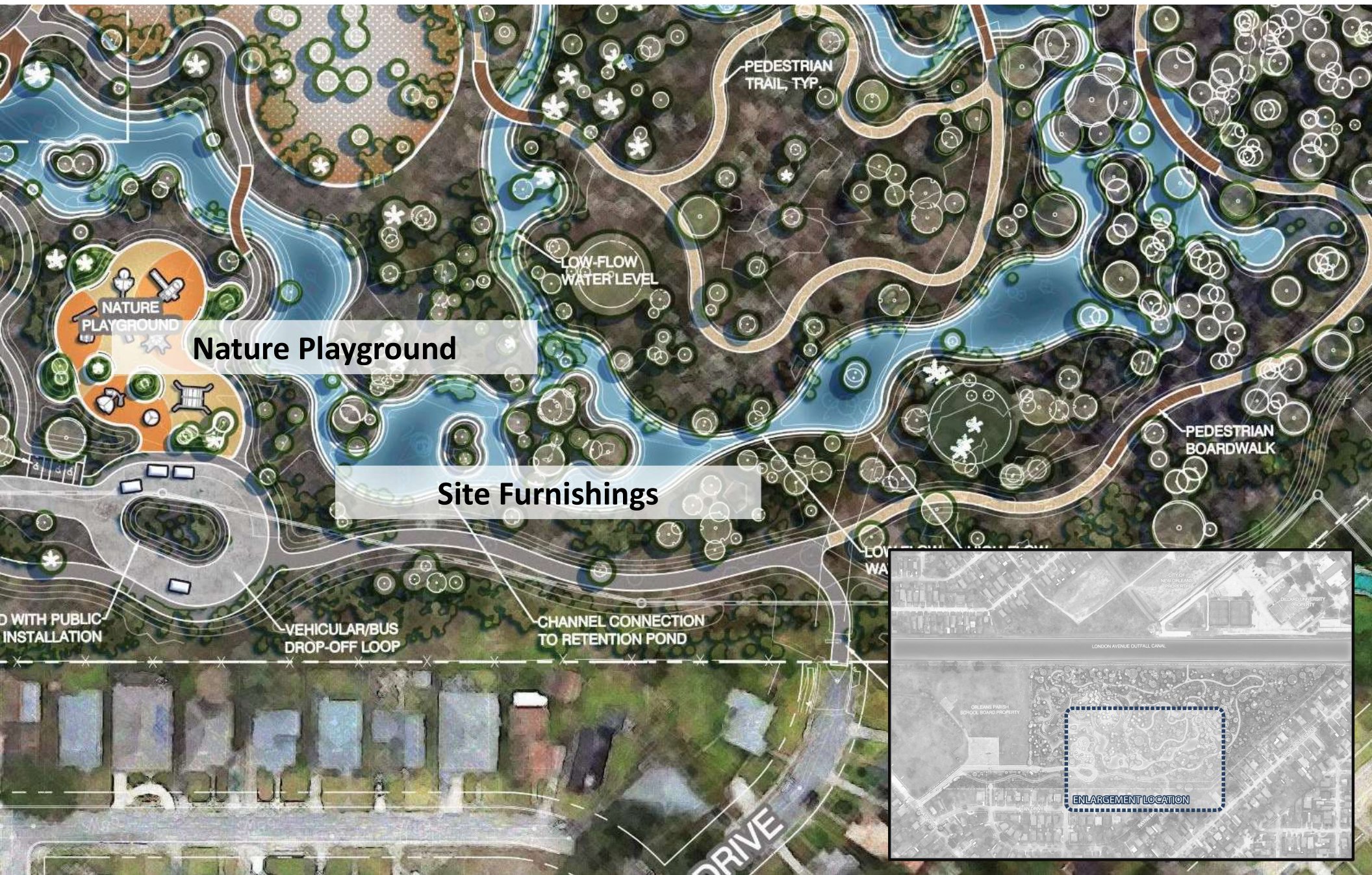
5 TRAIL - TYPE B (AGGREGATE)
C-6.6 NOT TO SCALE



6 TRAIL - TYPE C (MULCH)
C-6.6 NOT TO SCALE

Boardwalk Details





Nature Playground

Site Furnishings

PEDESTRIAN TRAIL TYP

LOW-FLOW WATER LEVEL

PEDESTRIAN BOARDWALK

NATURE PLAYGROUND

VEHICULAR/BUS DROP-OFF LOOP

CHANNEL CONNECTION TO RETENTION POND

D WITH PUBLIC INSTALLATION

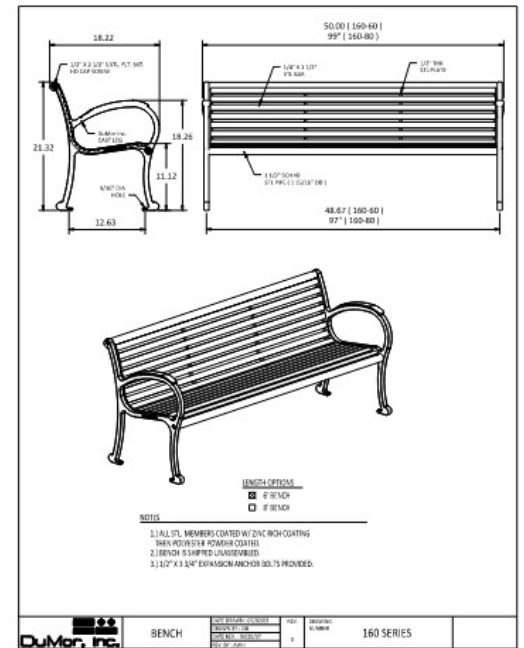
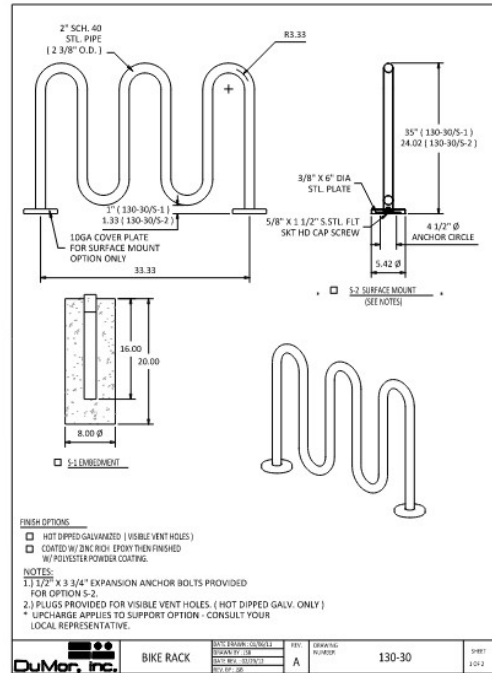
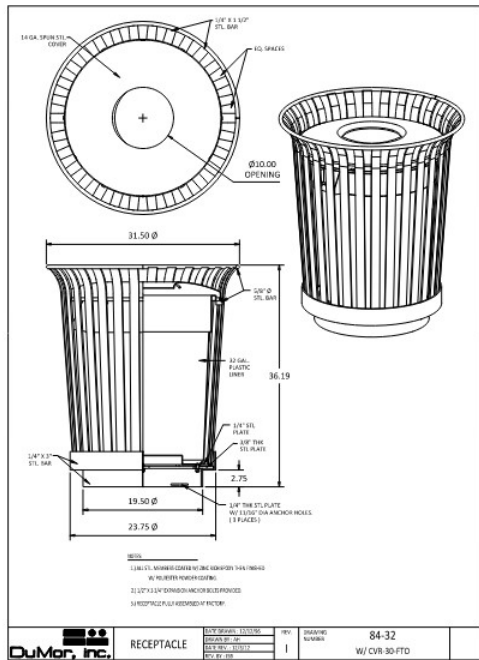
ENLARGEMENT LOCATION



Nature Playground Elements



Site Furnishings



3 TRASH RECEPTACLE, TYP.

NOT TO SCALE

4 BIKE RACK, TYP.

NOT TO SCALE

2 SITE BENCH, TYP.

NOT TO SCALE

LONDON AVENUE OUTFALL CANAL



PEDESTRIAN BRIDGE
ACROSS CHANNEL

NEW ORLEANS MOSQUITO
TERMITE AND RODENT
CONTROL RESEARCH STATION

NEW ORLEANS MOSQUITO
TERMITE AND RODENT
CONTROL RESEARCH STATION

OUTDOOR CLASSROOM
CULTURAL PROGRAMMING AREA
Outdoor Classroom Space

WATER LEVEL
WATER LEVEL
Shade Structure

NATURE
PLAYGROUND

PEDESTRIAN
TRAIL TYP.

LOW-FLOW
WATER LEVEL

S SWAMP AND
ENTION AREA

RADE AROUND
KISTING TREES

RTY

WATER LEVEL
WATER LEVEL

STRUCTURE
ATING AREA

WATER OUTLET
STRUCTURE

PEDESTRIAN
BOARDWALK

S SWAMP AND
ENTION AREA

CHAN
TO R

Shade Structure

HIGH-FLOW WATER LEVEL
LOW-FLOW WATER LEVEL

SHADE STRUCTURE
STRUCTURE

PEDESTRIAN

LOW-FLOW
WATER LEVEL

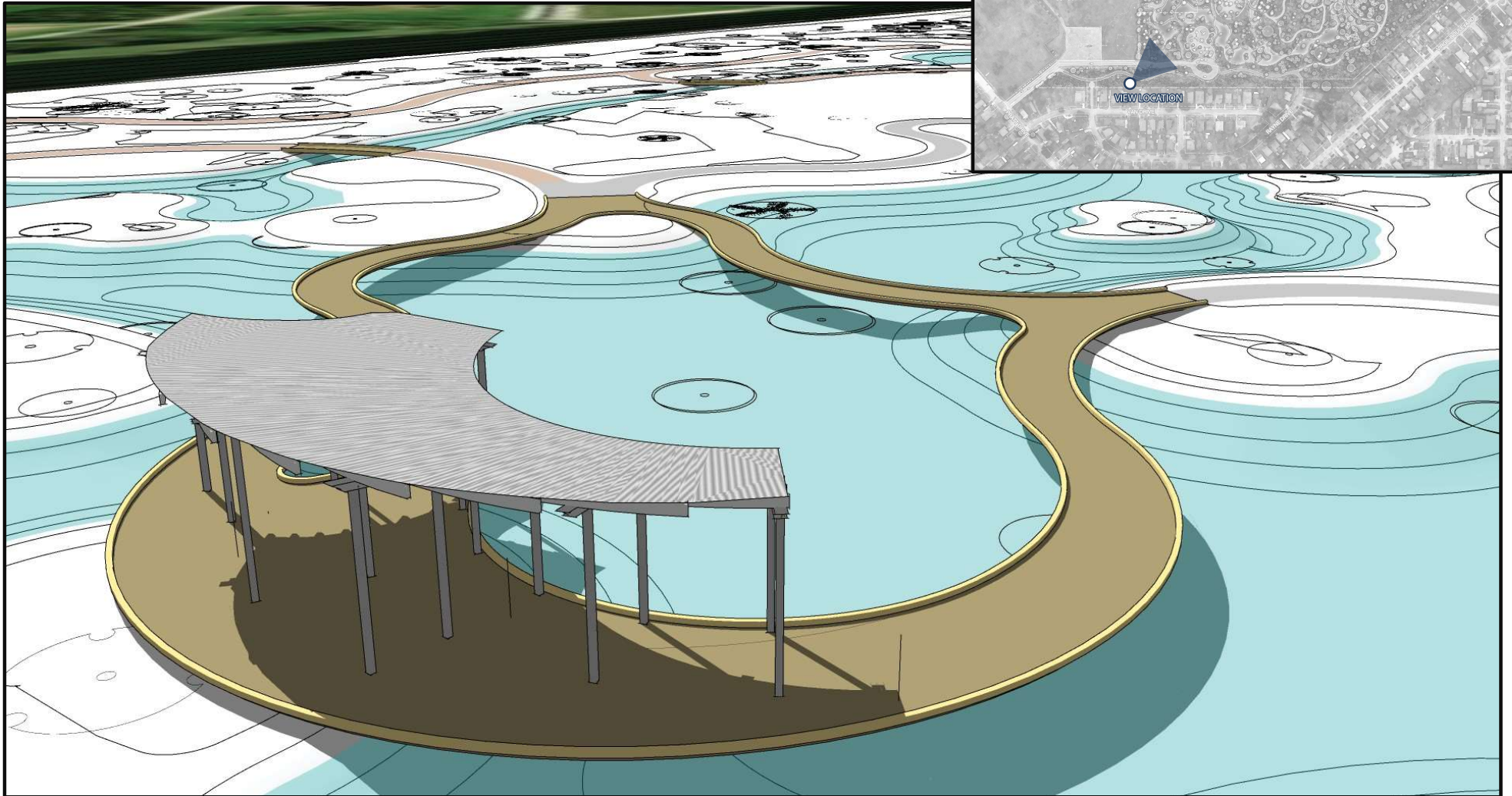




Diagram illustrating the layout of the Outdoor Classroom & Gathering Space, overlaid on a landscape architectural plan. The plan includes labels for 'HIGH-FLOW WATER LEVEL', 'LOW-FLOW WATER LEVEL', 'SHADE STRUCTURE', 'PEDESTRIAN TRAIL, TYP', and 'LOW-FLOW WATER LEVEL'. The title 'Outdoor Classroom & Gathering Space' is prominently displayed in the center.

Outdoor Classroom & Gathering Space



LONDON AVENUE OUTFALL CANAL

EXISTING FLOODWALL
APPROX. ELEV. 12.89

PEDESTRIAN BRIDGE
ACROSS CHANNEL

NEW ORLEANS MOSQUITO
TERMITE AND RODENT
CONTROL RESEARCH STATION

NEW ORLEANS MOSQUITO
TERMITE AND RODENT
CONTROL RESEARCH STATION

PEDESTRIAN ENTRY TO SITE
FROM LEVEL SIDE

PEDESTRIAN
TRAIL TYP.

CYPRESS SWAMP AND
RETENTION AREA

GRADE AROUND
EXISTING TREES

OUTDOOR CLASSROOM
AND
CULTURAL PROGRAMMING AREA

CHANNEL CONNECTION
TO RETENTION POND

ARISH
PROPERTY



Dillard
Wetlands

GENTILLY
Resilience
DISTRICT

Next Steps

Joel Tillery, PE, Freese & Nichols

Atianna Cordova, WATER BLOCK

HIGH-FLOW WATER LEVEL

LOW-FLOW WATER LEVEL

SHADE STRUCTURE
AND SEATING

STORMWATER OUTLET
STRUCTURE

PEDESTRIAN
BOARDWALK

CYPRESS SWAMP
RETENTION AREA

PUMP HOUSE AND
STORMWATER INLET STRUCTURE

24' VEHICULAR
ACCESS DRIVE

TRAILHEAD

VEGETATED BUFFER ALONG
RESIDENTIAL PROPERTIES

ISLAND WITH PUBLIC
ART INSTALLATION

VEHICULAR/BUS
DROP-OFF LOOP

CHANNEL CONNECTION
TO RETENTION POND

LOW-FLOW
WATER LEVEL

HIGH-FLOW
WATER LEVEL

MULTIUSE TRAIL &
EMERGENCY LANE
CONNECTION

CONTAINMENT BERM
BUILT UP TO ELEV.
-1.0' NAVD

VAN DRIVE

DRIVE

Preparing for Bidding and Construction

- Invitation to Bid for Invasive Removal and Clearing
- Finalize Construction Plans, Specs, and OPCC
- Easements and Agreements
- Draft Operation and Maintenance Plan
- Prepare Bid Documents



CITY OF NEW ORLEANS
DEPARTMENT OF PUBLIC WORKS

Construction Specifications

For

**DILLARD WETLANDS
(CDBG-NDR)**
DPW Project No. NDR006
FNI Project No. NOL20608

PRELIMINARY NOT
FOR
CONSTRUCTION

90% DESIGN
SUBMITTAL

JANUARY 2022



OPINION OF PROBABLE CONSTRUCTION COST (AAEC CLASS 3 ESTIMATE)

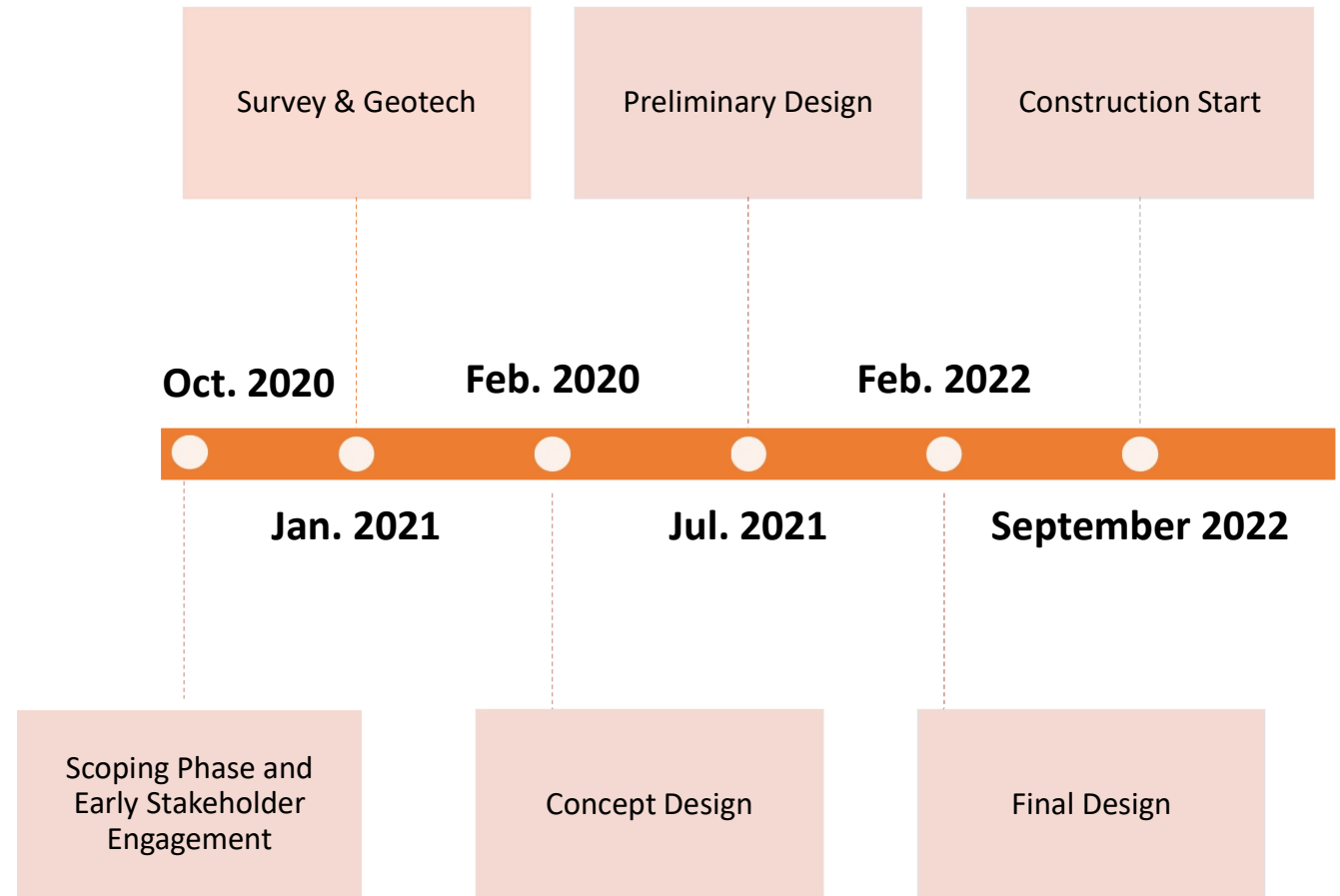
PROJECT NAME	Dillard Wetlands	DATE	1/28/2022
CLIENT	City of New Orleans	GROUP	1171
% SUBMITTAL	90% Design Submittal	PM	Nina Reins
ESTIMATED BY		QC	FNI PROJECT NUMBER
J. Tillery, A. Doyle, J. Sanchez, F. Mena, E. Lopez		JR	NOL20618

BID ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
MISC CONSTRUCTION					
2	SWPPP	1	LS	\$20,000.00	\$20,000.00
3	TEMPORARY HAY OR STRAW BALES (C204(02))	10	EA	\$50.00	\$500.00
4	TEMPORARY SILT FENCING (C204(06))	1500	LF	\$3.00	\$4,500.00
5	CURB INLET DRAIN FILTER (9" DIAM X 8' LONG) (C204(08))	5	EA	\$200.00	\$1,000.00
6	TEMPORARY TREE PROTECTION FENCING (5' WOODEN OR CHAIN LINK) (C719(56A))	200	LF	\$20.00	\$4,000.00
7	TEMPORARY TREE PROTECTION FENCING (4' HIGH ORANGE CONSTRUCTION BARRIER FENCING)	500	LF	\$3.00	\$1,500.00
8	GROUNDWATER AND SURFACE WATER CONTROL AND DEWATERING	1	LS	\$75,000.00	\$75,000.00
9	REMOVAL AND DISPOSAL OF EXISTING ASPHALTIC CONCRETE PAVEMENT	2095	SY	\$25.00	\$52,375.00
10	ABANDONING EXISTING DRAINAGE PIPES IN PLACE AND FILL WITH FLOWABLE MATERIAL (C701(73))	750	LF	\$20.00	\$15,000.00
11	REMOVAL OF EXISTING DRAIN (C701(74))	50	LF	\$20.00	\$1,000.00
PUMP STATION					
12	PUMP STATION (MECHANICAL, STRUCTURAL, AND ARCHITECTURAL)	1	LS	\$842,000.00	\$842,000.00
13	PUMP STATION ELECTRICAL	1	LS	\$194,327.00	\$194,327.00
SITE WORK AND GRADING					
14	CLEARING AND GRUBBING	4.6	AC	\$7,500.00	\$34,500.00
15	TREE REMOVAL (4" DBH)	10	EA	\$400.00	\$4,000.00
16	EXCAVATION AND BACKFILL	20177	CY	\$15.00	\$302,655.00
17	EXCAVATION HAULED OFFSITE	1497	CY	\$25.00	\$37,425.00
18	BASE COURSE (PUMP SAND BASE - 8" MIN)	4242	SY	\$40.00	\$169,680.00
19	GEOTEXTILE FABRIC- MIRAFI 600X	1490	SY	\$2.00	\$2,980.00
20	GEOGRID	4242	SY	\$5.00	\$21,210.00
21	8" PCP	361.3	SY	\$95.00	\$34,323.50
22	PERVIOUS PAVERS- TRUE GRID	160	SY	\$108.00	\$17,280.00
23	WASHED NO. 57 STONE	718	CY	\$100.00	\$71,800.00
24	HANDICAP BOLLARD SIGN	3	EA	\$50.00	\$150.00
25	HANDICAP SYMBOL STRIPING	3	EA	\$17.00	\$51.00

Community Engaged Design Process to Continue Through Implementation

Goals

- Community ownership
- Community based monitoring and advocacy
- Safe and usable space
- Strengthen community
- Educational opportunities people of all ages and backgrounds





**Non-
Profits**

**Schools &
Universities**

**Health
Providers**

Continued Educator &
Programming Coordination

**Public
Groups**

Next Steps

ACKNOWLEDGING *the* LAND
Reconociendo *la* TIERRA



Art: Monique Verdin



Next Steps

Join Us Virtually

Dillard Wetlands 90 Percent Design Community Meeting

Thursday
February 10, 2022 at 6 p.m.



For more information and to register please visit:
www.nola.gov/neoevents



**Resilience +
Sustainability**
CITY OF NEW ORLEANS



City of New Orleans
Mayor LaToya Cantrell



GENTILLY
Resilience
DISTRICT

Gentilly Resilience District Project at Dillard Wetlands

COMMITTEE Q & A

Mary Kincaid, PE, City of New Orleans

February 9, 2022



Thank you!



SLEEVES UP, NOLA!

The COVID-19
vaccine is our shot to
get back to normal.



Visit ready.nola.gov for more information.