

The Miami-Dade Water and Sewer Department Invites you to our

CONSTRUCTION INDUSTRY MEETING

Date: January 12, 2023 | **Time:** 10 a.m. | **Location:** Hybrid - details to follow



The Miami-Dade Water and Sewer Department is hosting a Construction Industry Meeting for all interested contractors to learn more about upcoming projects.

Ocean Outfall Legislation projects to be discussed:

**North District Wastewater Treatment Plant
NT-2B Site Preparation**

Includes earthwork and filling of wetlands for site expansion

**Central District Wastewater Treatment Plant
CT-3C-A Electrical Distribution Building 2**

Please RSVP as soon as possible for a limited in-person spot or to attend virtually.

[RSVP to this meeting](#)

If you have questions about this meeting, you may reach us at:

wasd-cip@miamidade.gov



Join our Industry Forum Subscription list for information
about upcoming meetings

[Subscribe](#)





Miami-Dade County Water and Sewer Department
Utility Construction Division



CONSTRUCTION INDUSTRY MEETING

January 12, 2023

AGENDA

- 01 Introduction
- 02 Ocean Outfall Legislation Program Overview
- 03 Central District Wastewater Treatment Plant Electrical Distribution Building 2 Overview
- 04 North District Wastewater Treatment Plant Site Preparation for Plant Expansion Overview
- 05 Question and Answer Session



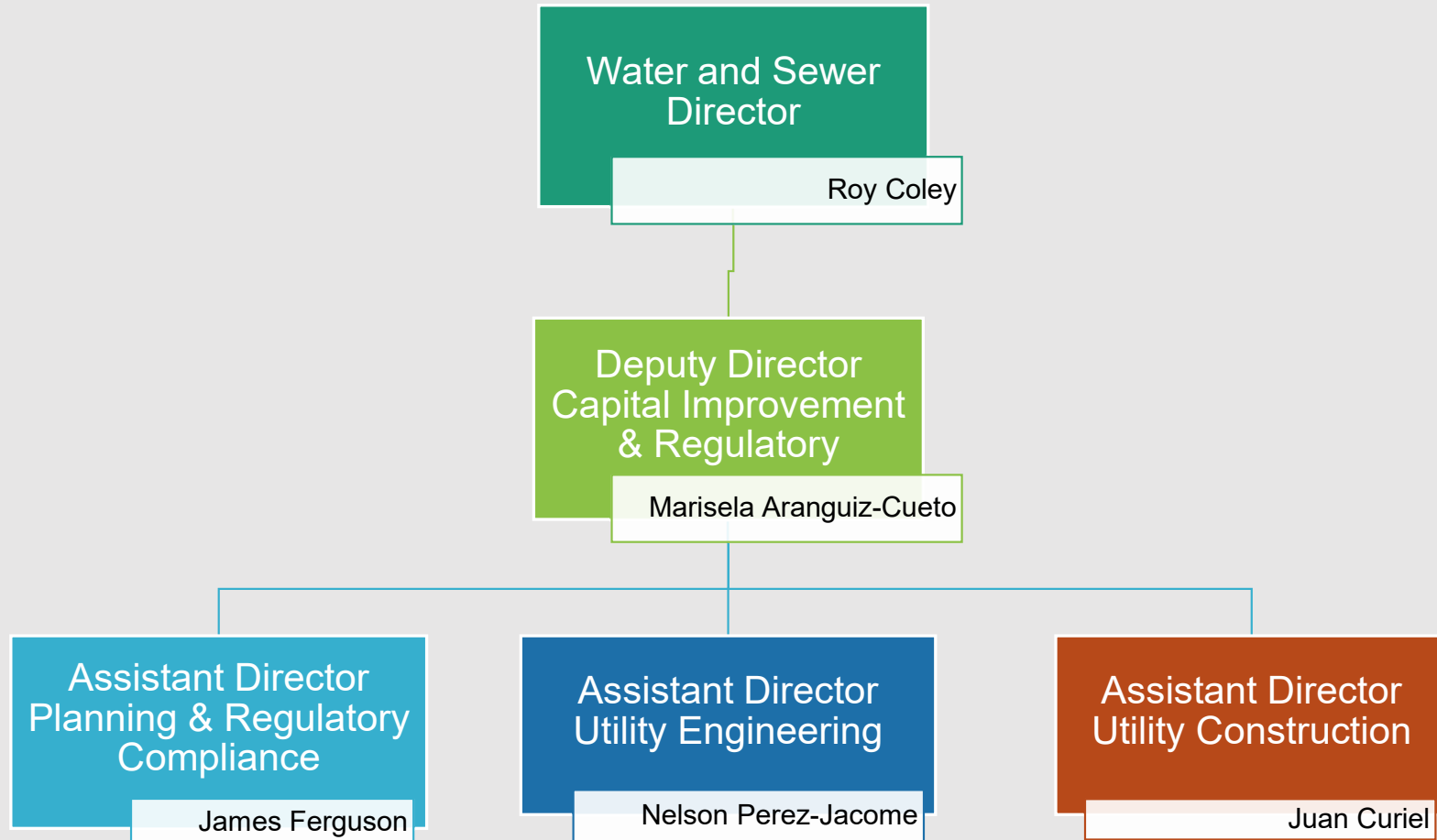


INTRODUCTION

Meeting Purpose and Team



CAPITAL IMPROVEMENT ORGANIZATIONAL CHART



UTILITY CONSTRUCTION DIVISION

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PURPOSE OF CONSTRUCTION INDUSTRY MEETINGS

01

Communicate upcoming project procurements with the construction industry.

02

Foster an early understanding of upcoming project scopes in order to facilitate an efficient bidding process.

03

Solicit pre-announcement feedback from industry representatives to clarify scope and execution questions prior to the announcement.

04

Inform the local community of future work so they can establish potential teaming relationship to deliver work.

FUTURE CONSTRUCTION INDUSTRY MEETINGS

- Meetings will be held on a quarterly basis
 - Audience: Contractors
- Next meeting will be held on **March 9, 2023**
Overview of projects to be advertised in the next 3 months, such sewer and water pipelines, pump stations, inflow and infiltration contracts, re-roofing, miscellaneous work, etc.
- A list of construction projects will be kept on the WASD website showing future advertisement
- Please feel free to provide us with your feedback



Use the QR Code to register
for the next Construction
Industry Meeting



OCEAN OUTFALL LEGISLATION PROGRAM OVERVIEW



OUTSIDE TECHNICAL EXPERTS



Jacobs, Ocean Outfall Legislation Program Manager

Evelio Agustin, Program Manager

Pedro Quiros, Design/Deputy Program Manager

Neil Wilson, Construction Manager

Brown and Caldwell

Marie Burbano, Project Manager

Melissa Jauregui, Design Manager (Presenter)

Valentina Abbott, Design Manager (Presenter)

Eric Campbell, Electrical Engineer of Record

Eli Tilen, Civil Design Subject Matter Expert



BND

Kevin Keane, Civil Design Subject Matter Expert

Nicholas Gage, Civil Engineer of Record



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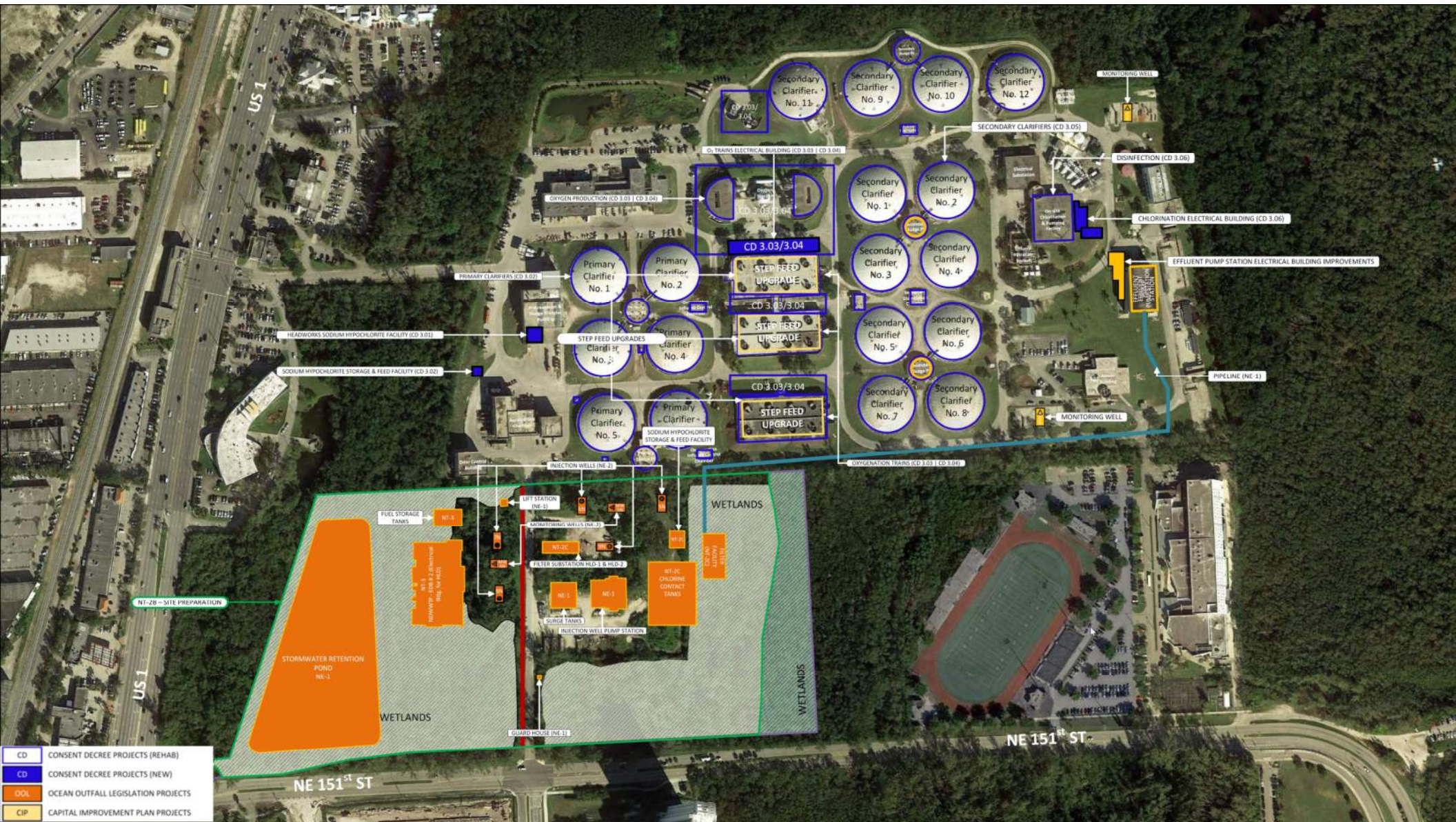
Alex Guon, Electrical Engineer of Record

UPCOMING OCEAN OUTFALL LEGISLATION PROGRAM PROJECTS

North District Wastewater Treatment Plant (cumulative: \$340M+)

- **NT-2B (S-967) Site Preparation, \$30M+**
- NE-1(S-965) Municipal Injection Wells Pump Station, \$90M+
- NT-2C(S-966) High Level Disinfection Facilities, \$100M+
- NT-3(S-968) Electrical Distribution Building 2, \$120M+



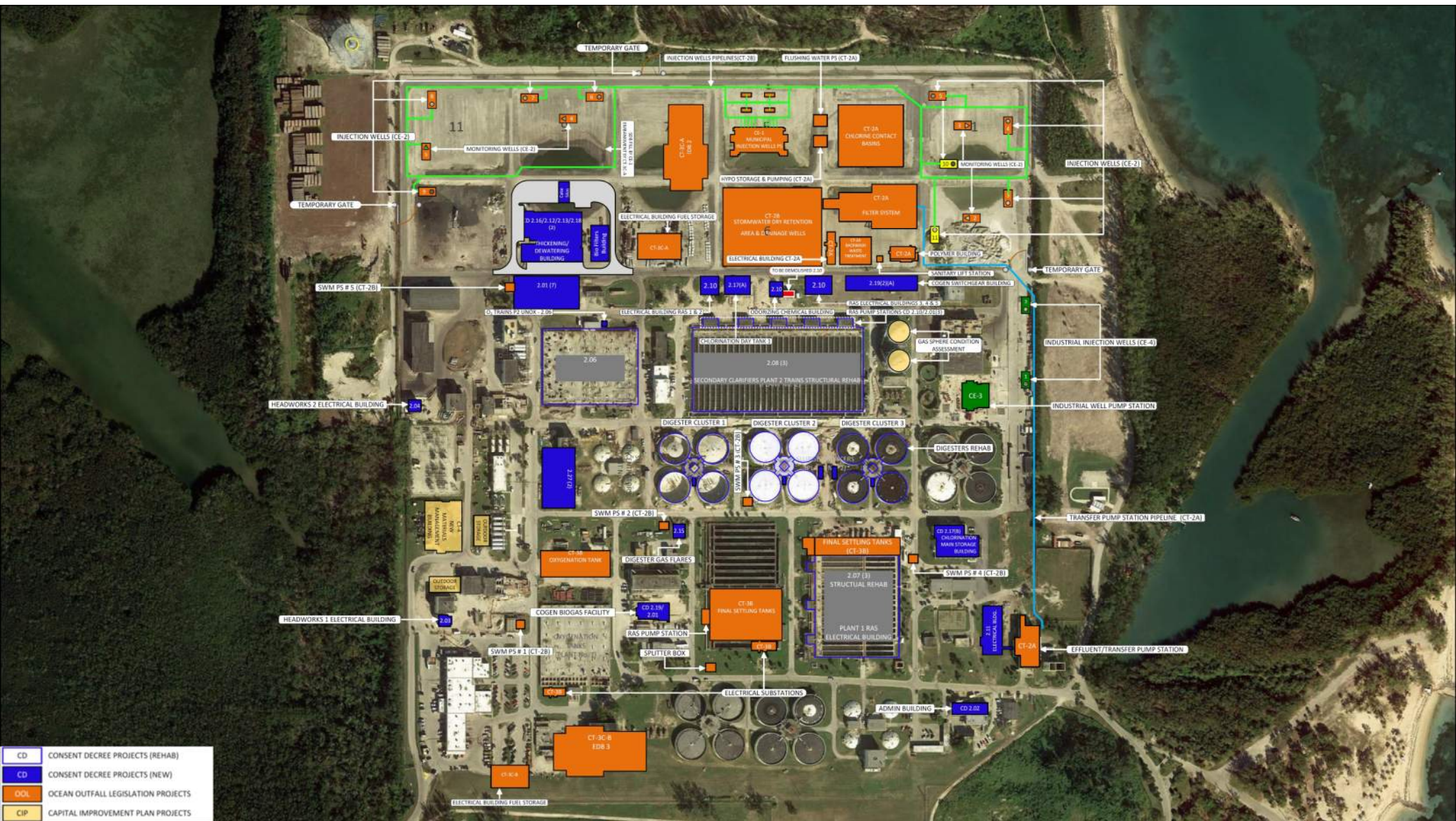


UPCOMING OCEAN OUTFALL LEGISLATION PROGRAM PROJECTS

Central District Wastewater Treatment Plant (cumulative: \$485M+)

- **CT-3C-A (S-949A) Electrical Distribution Building 2, \$115M+**
- CE-1 Municipal Injection Wells Pump Station, \$100M+
- CT-2B Stormwater Improvements, \$30M+
- CT-2A-2 Outfall/Transfer Pump Station, \$20M+
- CT-3B Oxygenation Train and Secondary Clarifiers, \$100M+
- CT-3C-B Electrical Building 3, \$120M+





2023 UPCOMING PROCUREMENTS

CDWWTP Electrical Distribution Building 2 (CT-3C-A)

Announcement/Contract Number: S-949A

Estimated Announcement Date: January 2023

Value of Contract: \$115M – \$150M

NDWWTP Site Preparation for Plant Expansion (NT-2B)

Announcement/Contract Number: S-967

Estimated Announcement Date: March – April 2023

Value of Contract: \$30M – \$50M





CENTRAL DISTRICT WASTEWATER TREATMENT PLANT ELECTRICAL DISTRIBUTION BUILDING 2 (S-949A)



OCEAN OUTFALL LEGISLATION PROGRAM



CDWWTP ELECTRICAL DISTRIBUTION BUILDING 2 (S-949A)

Overview

- New 45,000 sq. ft. building
- Located in northern portion the site at the current sludge drying beds 7 and 8

Objectives:

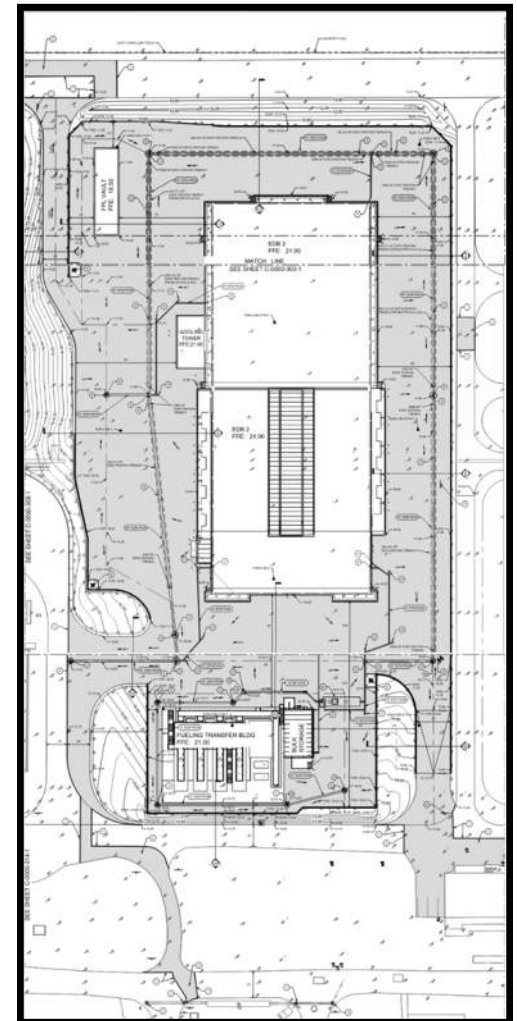
- Improve plant wide electrical, control and network system reliability
- Increase the capacity of the existing electrical facilities
- Distribute power to Norther portion
 - Offload the existing electrical distribution building.
- Support new effluent disposal facilities
 - Allow WASD to reduce the use of the ocean outfall

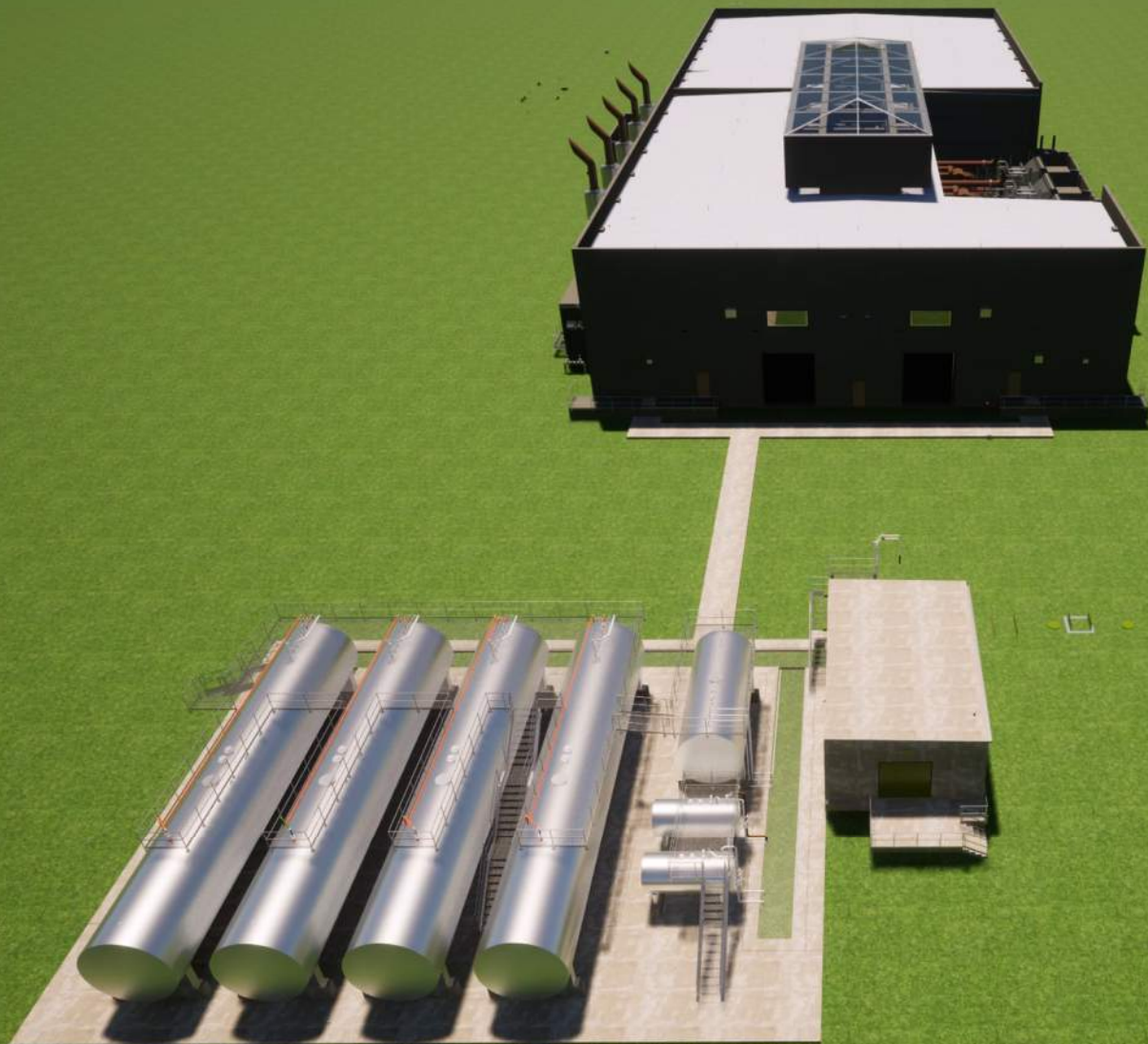


CDWWTP ELECTRICAL DISTRIBUTION BUILDING 2 (S-949A)

Scope

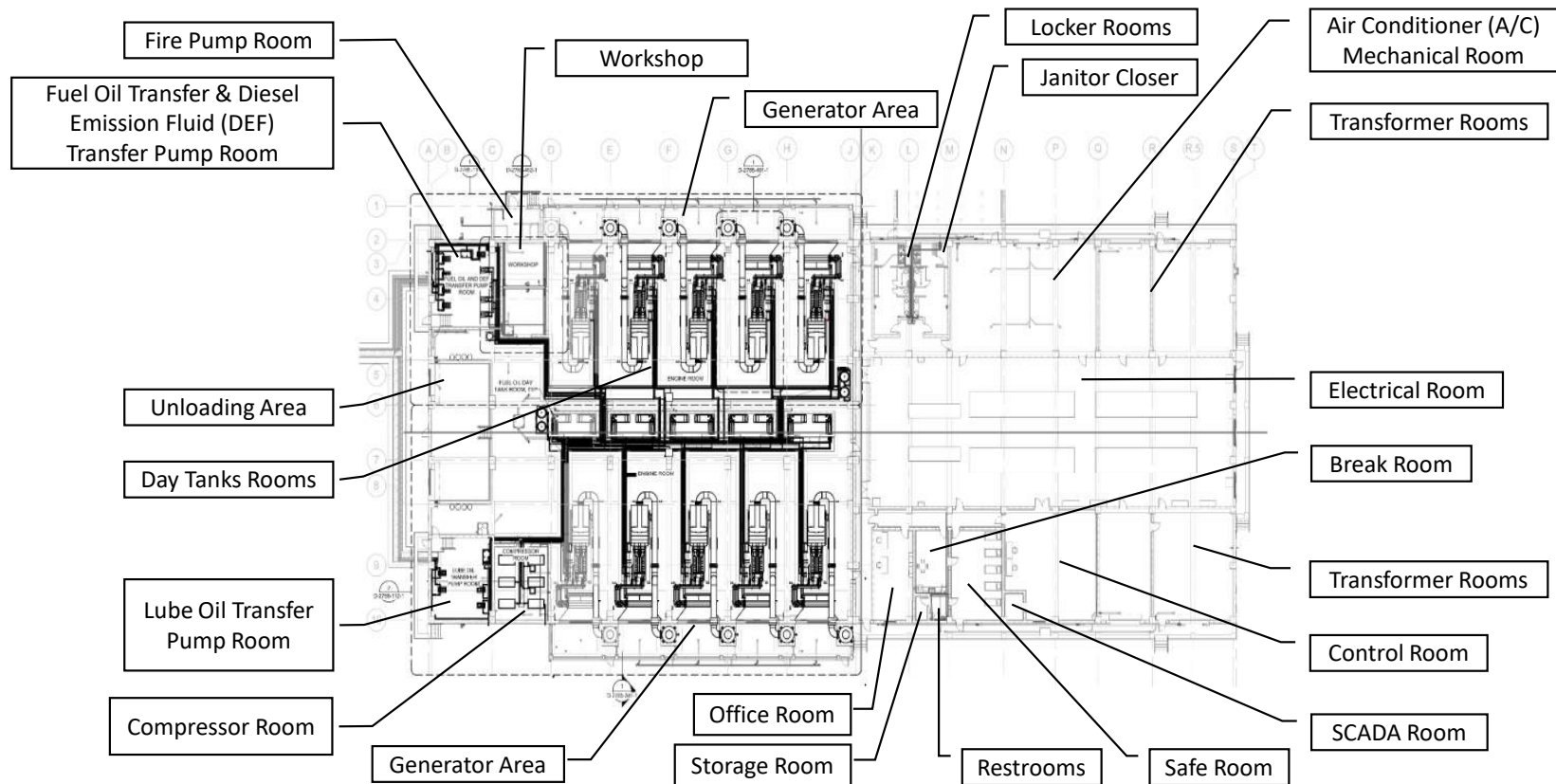
- Installation of eight 13.2 kV Tier 4 Diesel Engine Generators with exhaust silencers
 - Install associated process piping, control systems, service air, & Coordinate training
- Fuel Oil and Diesel Emission Fluid (DEF) Bulk Storage Area
- FPL Metering Vault & FPL Feeders
- Duct banks system to existing sub stations.
- Site prep scope includes:
 - Sludge Bed preparation, site grading, yard piping
 - Existing grade 6.50' to 8.50', to be raised to 14.00' (FFE 21.00')
 - Import fill ~85k cy
 - Retaining wall, Drainage structures
 - Pavement, driveways, sidewalks around new structures





CDWWTP ELECTRICAL DISTRIBUTION BUILDING 2 (S-949A)

Key Equipment and Features



CDWWTP ELECTRICAL DISTRIBUTION BUILDING 2 (S-949A)

Unique Conditions

Owner Furnished Equipment

- Engine Generators
- SCADA Equipment

Key Milestones

Milestone	Days from NTP
Building to be completed to receive Engine Generators	750
Complete work required for FPL to provide service	950
Substantial Completion	1408
Final Completion	1496



NORTH DISTRICT WASTEWATER TREATMENT PLANT SITE PREPARATION FOR PLANT EXPANSION (S-967)

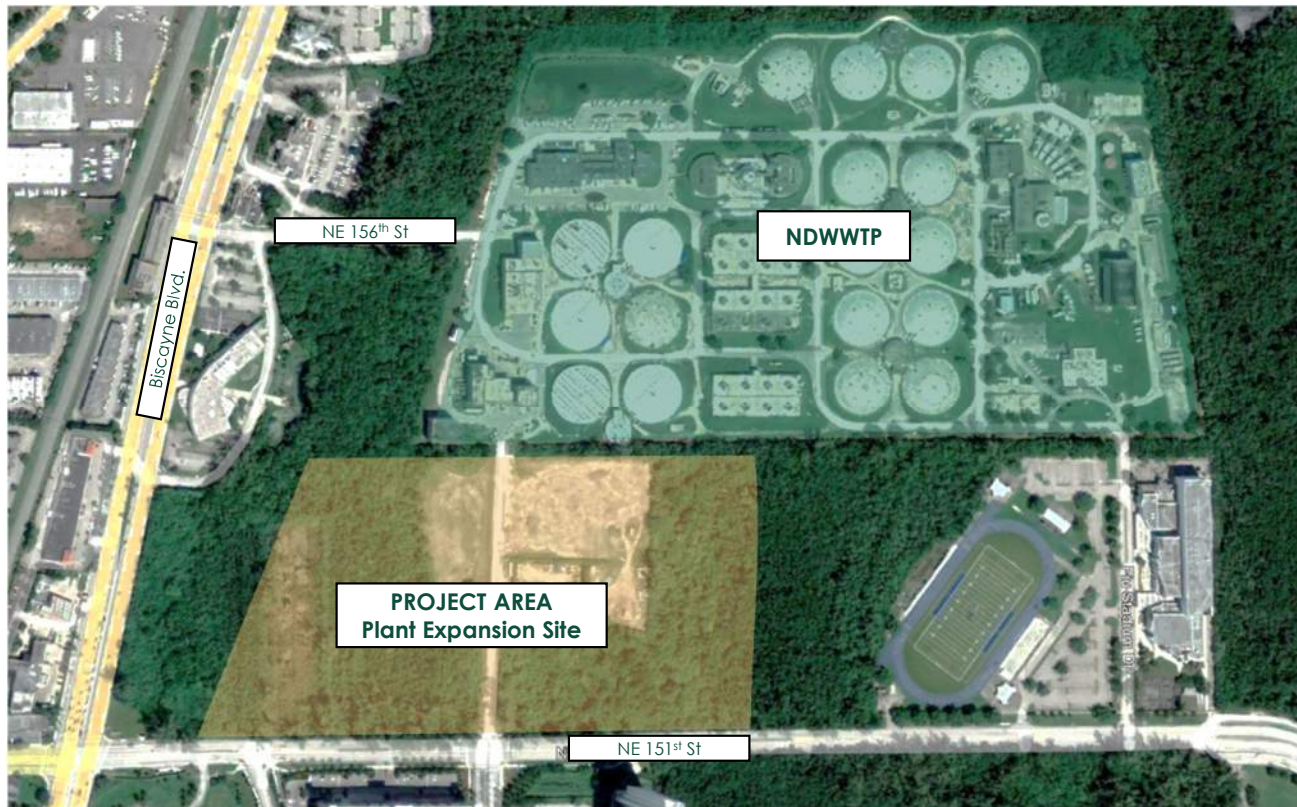


OCEAN OUTFALL LEGISLATION PROGRAM



NDWWTP SITE PREPARATION (S-947)

Overview

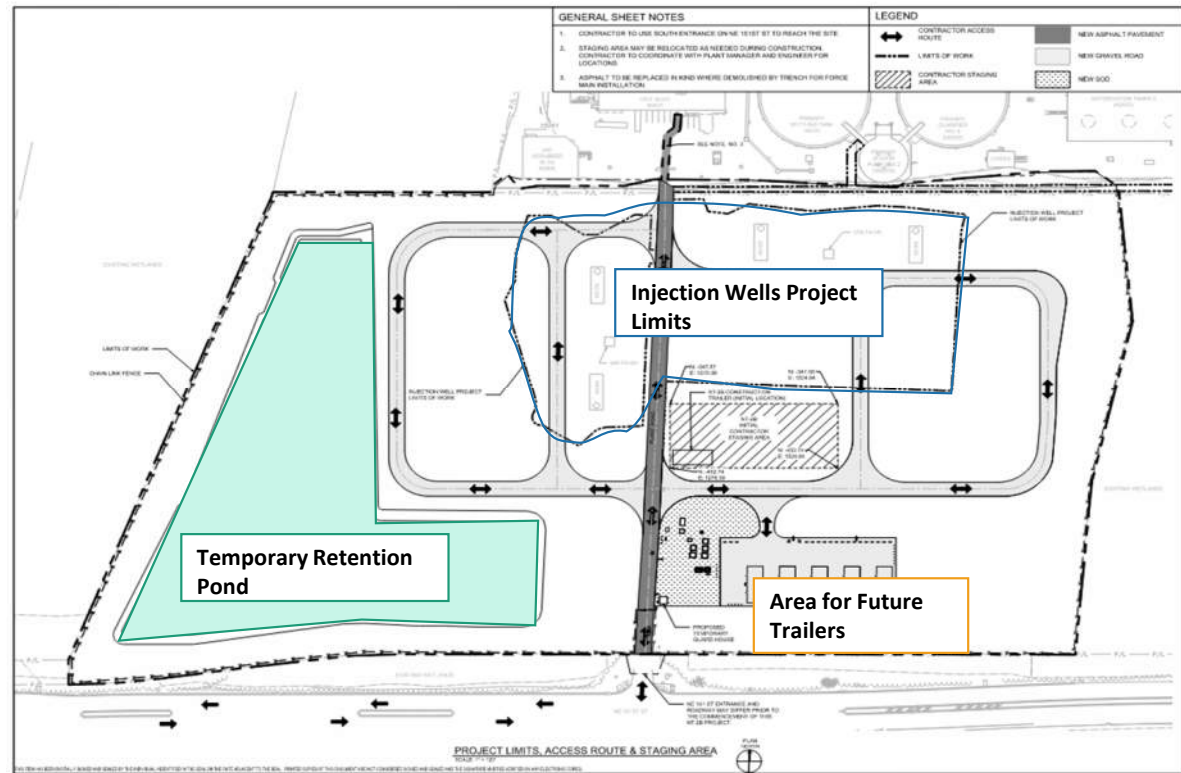


Miami-Dade County Water and Sewer Department is developing projects on a 27-acre parcel southwest of the developed NDWWTP site to prepare for the subsequent projects for the plant's expansion.

NDWWTP SITE PREPARATION (S-947)

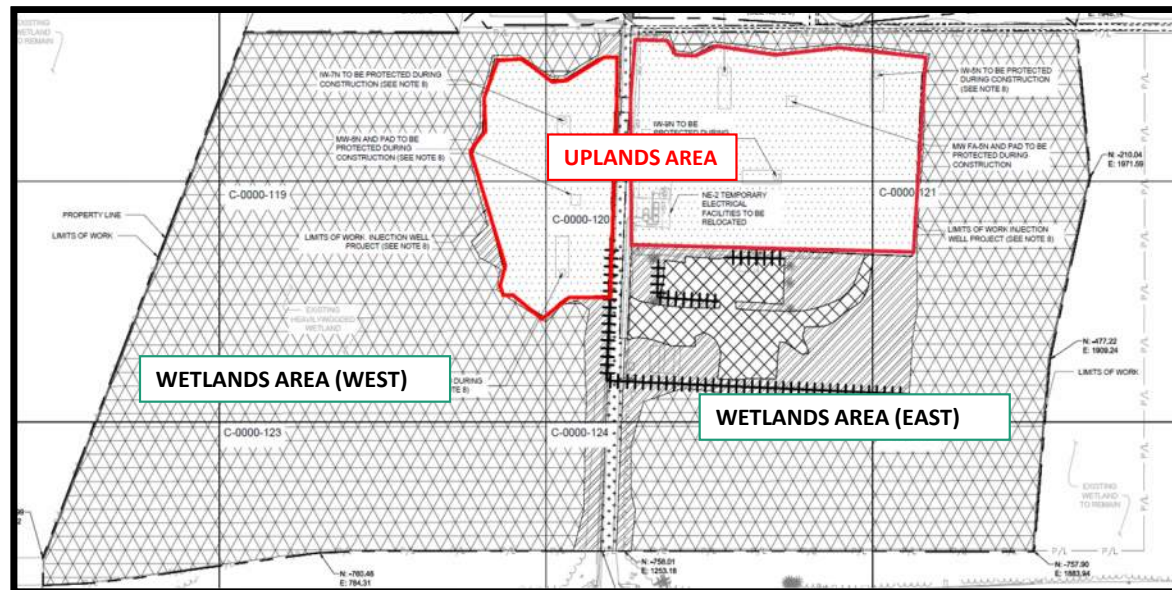
Scope

- Clearing of the undeveloped site
- Deforest approximately 17.2 acres of wetlands
- Muck removal from wetlands
- Placement of borrow fill
- Temporary retention pond
- Temporary roads
- Prepare staging area for construction trailers including water, sanitary and power service
- Relocation of FPL temporary facilities



Earthwork Quantities

-
- WETLANDS AREA (WEST)
- WETLANDS AREA (EAST)
- UPLANDS AREA
- W/IN TO BE PROTECTED DURING CONSTRUCTION (SEE NOTE B)
- MIN IN AND PAD TO BE PROTECTED DURING CONSTRUCTION (SEE NOTE B)
- MIN PAD AND PAD TO BE PROTECTED DURING CONSTRUCTION
- NE-2 TEMPORARY ELECTRICAL FACILITIES TO BE RELOCATED
- LIMITS OF WORK INJECTION WELL PROJECT (SEE NOTE B)
- EXISTING WETLAND TO REMAIN
- PROPERTY LINE
- LIMITS OF WORK
- C-0000-119
- C-0000-120
- C-0000-121
- C-0000-123
- C-0000-124
- N-758.01 E-1203.18
- N-757.90 E-1803.94
- N-477.22 E-1808.24
- N-410.04 E-1871.06
- N-780.00 E-784.31
- DURING P.L.B.
- EXISTING WETLAND TO REMAIN
- LIMITS OF WORK
- PROPERTY LINE
- LIMITS OF WORK





NDWWTP SITE PREPARATION (S-967)

Unique Conditions



LARGE VOLUME OF MUCK REMOVAL AND FILL MATERIAL REQUIRED FOR RAISING THE SITE. ESTIMATED: 100 – 20 CUBIC YARD TRUCKS PER DAY



WORK MUST BE COORDINATED TO MINIMIZE DISRUPTIONS TO REGULAR PLANT OPERATIONS



TRAFFIC RESTRICTIONS ON 151ST STREET IMPOSED BY THE CITY OF NORTH MIAMI



POTENTIAL CONFLICT WITH SCHEDULED ROADWAY IMPROVEMENT WORK ON 151ST STREET



QUANTITY OF CONTAMINATED SOIL TO BE REMOVED UNKNOWN AT ADVERTISEMENT. WILL BE COVERED BY AN ALLOWANCE



TIGHT SCHEDULE: TIME SENSITIVE PROJECT REQUIRED TO BE COMPLETED BEFORE OTHER COMPLIANCE PROJECTS CAN BEGIN

QUESTION AND ANSWER SESSION

- Additional pre-advertisement information will be posted at:
<https://www.miamidade.gov/global/water/ocean-outfall-legislation.page>
- Advertisement be posted to the County Procurement website at:
<https://www8.miamidade.gov/global/navigation/legal-ad-index.page>
- Contact Information: For additional information, please contact Mr. Paul Adams at (786) 268-5126 or via electronic mail to: Paul.Adams@miamidade.gov.

Thank you

