

U.S. ARMY CORPS OF ENGINEERS CARIBBEAN DISTRICT

MISSION, VISION, AND CONTRACT OPPORTUNITIES

Date: 18 September 2024

Presented by:
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Commander
and
Jackie Keiser
DPM

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US Army Corps
of Engineers®



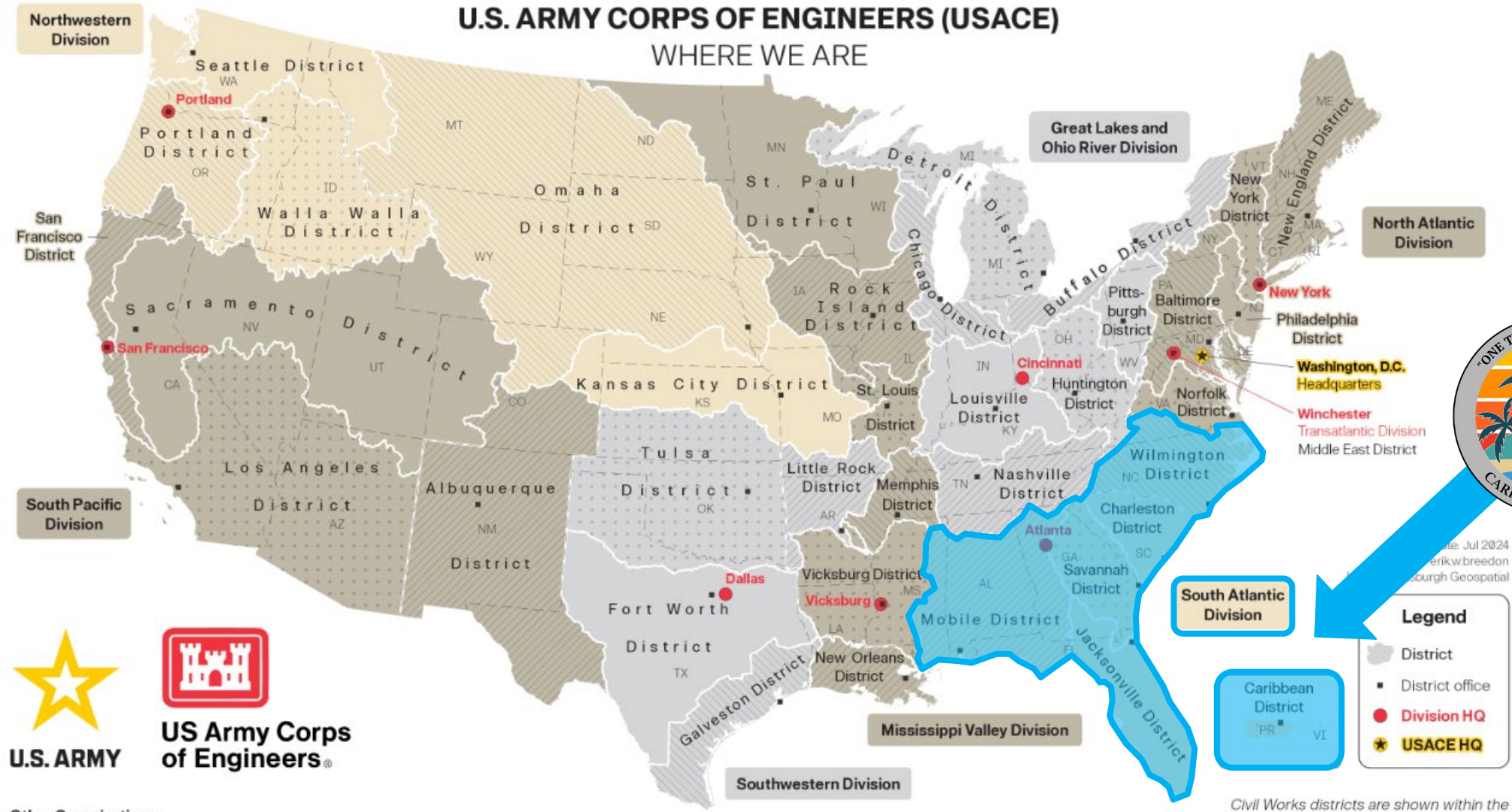
Rio de La Plata, Dorado Bridge and ACBM Toe Key Construction



Rio Puerto Nuevo, La Chuleta Construction



43RD USACE DISTRICT





EVOLUTION OF A DISTRICT





AREA OF OPERATION



Civil Works

- Puerto Rico & USVI

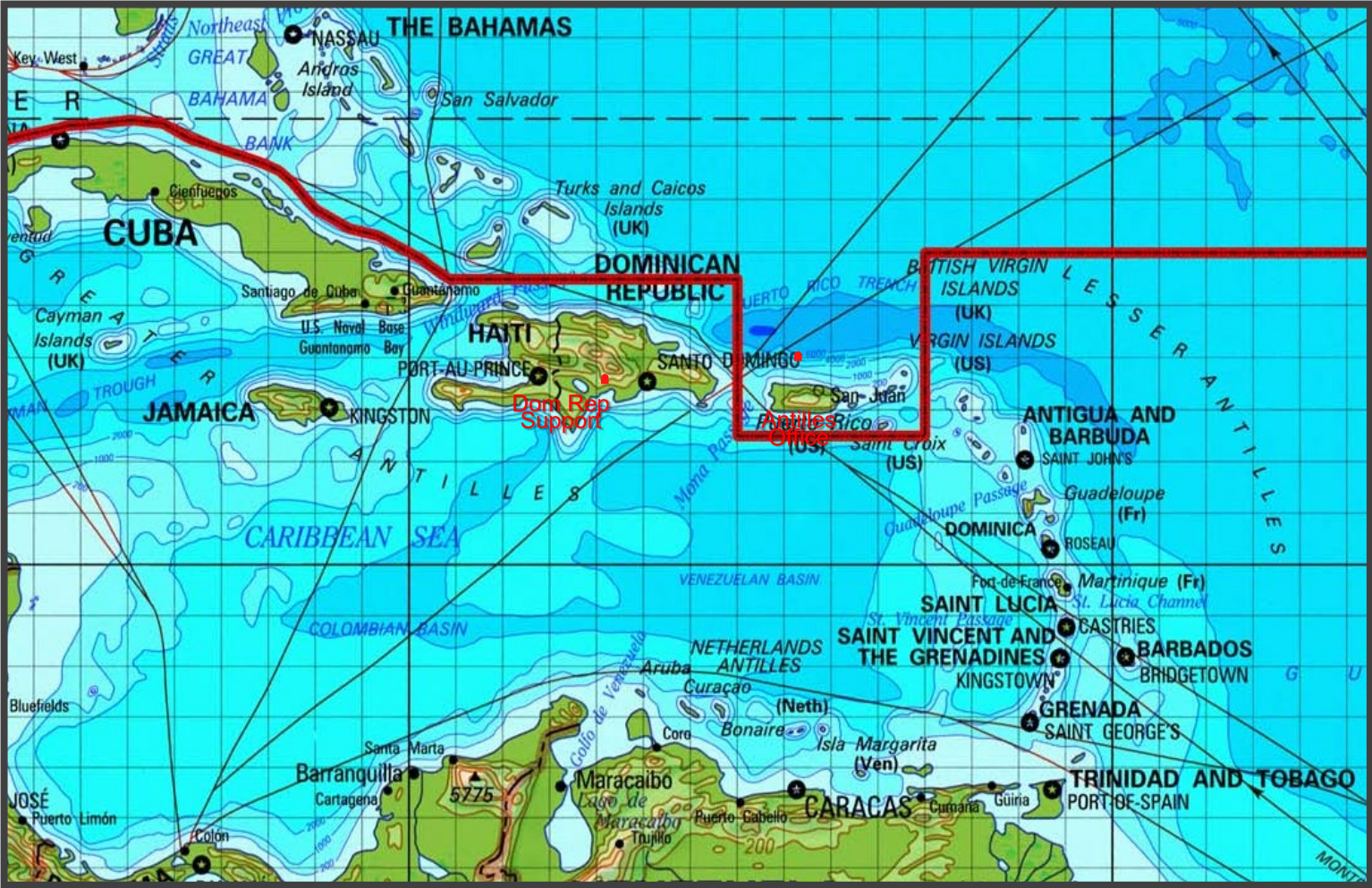
MIL/IIS

Caribbean Basin Nations COCOM

Bahamas	N
Bermuda	N
Puerto Rico	N
U.S. Virgin Islands	N
Aruba	S
Antigua and Barbuda	S
Barbados	S
Cuba	S
Curacao	S
Dominica	S
Dominican Republic	S
Grenada	S
Haiti	S
Jamaica	S
Saint Kitts and Nevis	S
Saint Vincent & the Grenadines	S
Saint Lucia	S
Trinidad and Tobago	S

Others in the AOR:

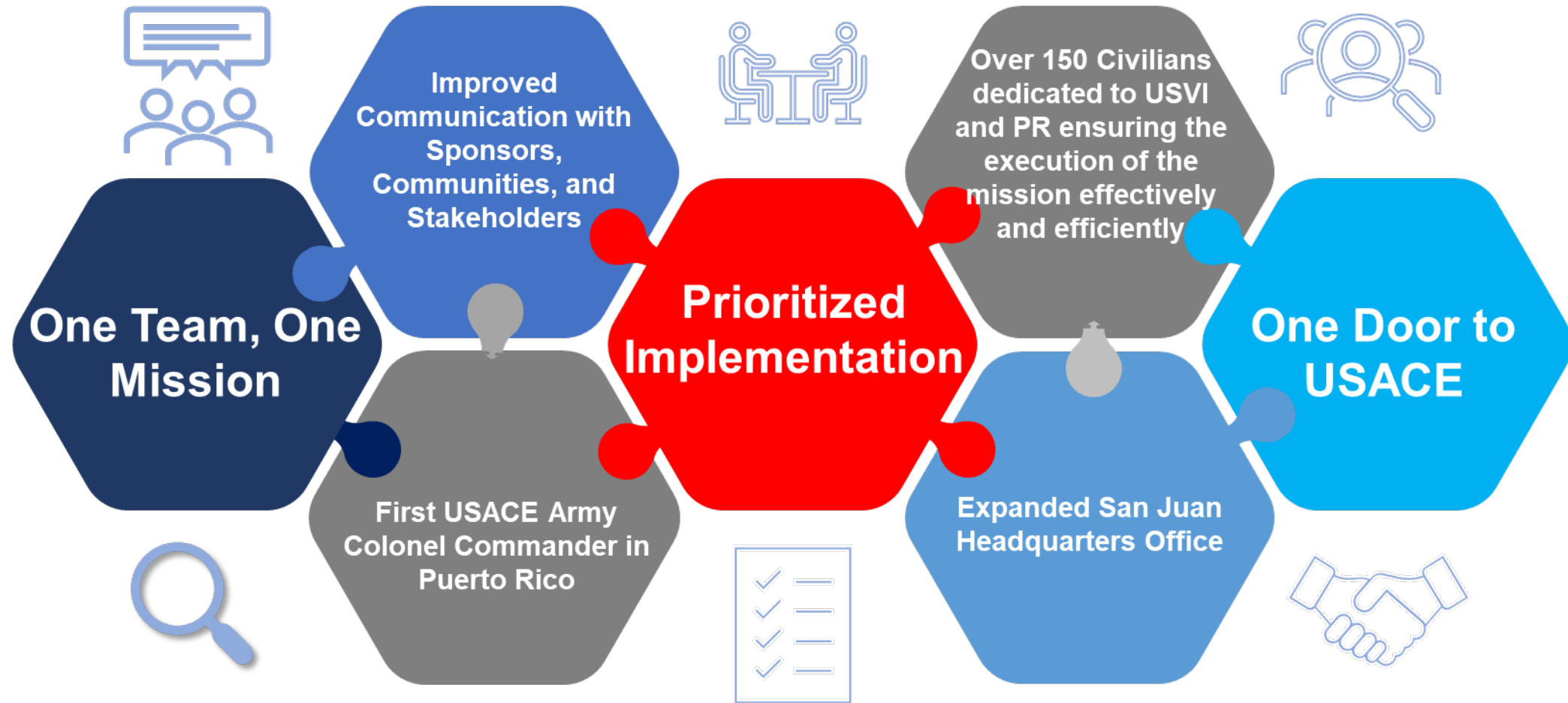
- CESAC – 81st RSC, DVA Minors
- CELRL – USAR
- CESAS – DODEA, DVA Majors
- CESAJ - FUDS
- Other Districts Enterprise Assigned





CARIBBEAN DISTRICT

Provides additional leadership bandwidth and focus on priority missions in U.S. Virgin Islands, Puerto Rico, and Greater Antilles





Civil Works Program

Small Projects Program

Continuing Authorities Program (CAP)

Rio Aibonito

Estate La Grange

Floodplain Management Services

Ponce

Planning Assistance to States

USVI Compound Flooding Hotspots

Interagency Non-structural FPMS

PR Watersheds

PR All Hazards

PR Dam Safety

Investigations

Christiansted Harbor (WRDA 2020)

Charlotte Amalie Harbor (WRDA 2020)

Rio Nigua Validation Report & NEPA

Construction

RPN Contract 2 Roosevelt Bridge – (FRM – BBA 2018)

San Juan Harbor Deepening (Navigation – BIL)

Rio de la Plata (Dorado Bridge) (FRM)

Operations & Maintenance

San Juan Harbor O&M (Nav-BIL)

Inspection of Completed Works, PR & USVI

Project Condition Surveys, PR & USVI

PED

Aquatic Ecosystem Restoration (AER)

Cano Martin Pena

Flood Risk Management (FRM)

Rio de la Plata (FRM – BBA 2018)

Rio Grande de Arecibo (FRM – BBA 2018)

Rio Puerto Nuevo (FRM – BBA 2018)

Rio Guanajibo (FRM – BBA 2018)

Rio Nigua (FRM – BBA 2018)

Rio Grande de Manati (FRM - DRSAA)

Rio Culebrinas (FRM - DRSAA)

Rio Guayanilla (FRM - BIL)

Savan Gut (FRM - BIL)

Turpentine Run (FRM - DRSAA)

Coastal Storm Risk Management (CSRM)

San Juan Metro (CSRM)

Deep Draft Navigation (DDN)

San Juan Harbor

Military Construction and Interagency and International Services(IIS) Program

MILCON

FTB: Army Family Housing

PRARNG: Camp Santiago Barracks

PRARNG: Camp Santiago DFAC

PRARNG: Camp Santiago HQ

PRARNG: Fort Allen Readiness Center

VIARNG: STT Vehicle Maintenance Shop

VIARNG: STX Civil Support Facility

ERCIP: MCA - FY-20 Puerto Nuevo USAR Solar Array

Installation Readiness

PRARNG: Camp Santiago Ammunition Supply Point

FTB: IR - Toro Creek Bridge Repairs

Environmental

PRARNG: Fort Allen Storm Water Mitigation Design

IIS

Guajataca Dam

PREPA Support

Program Value > \$10 Billion

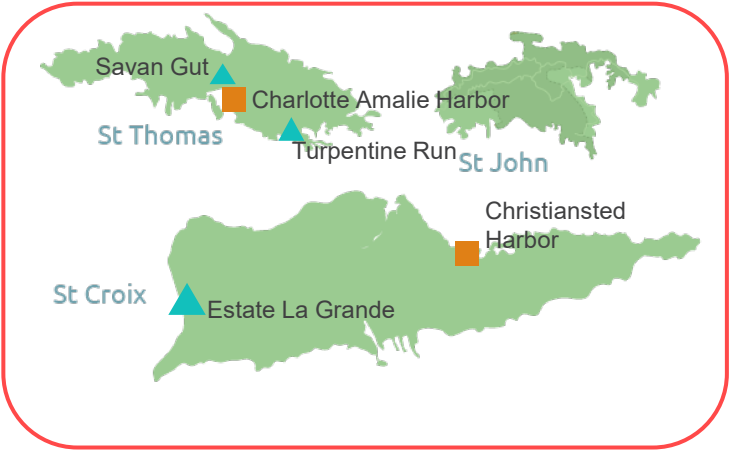


CARIBBEAN DISTRICT PROJECTS OVERVIEW

(STUDY, DESIGN, AND CONSTRUCTION)



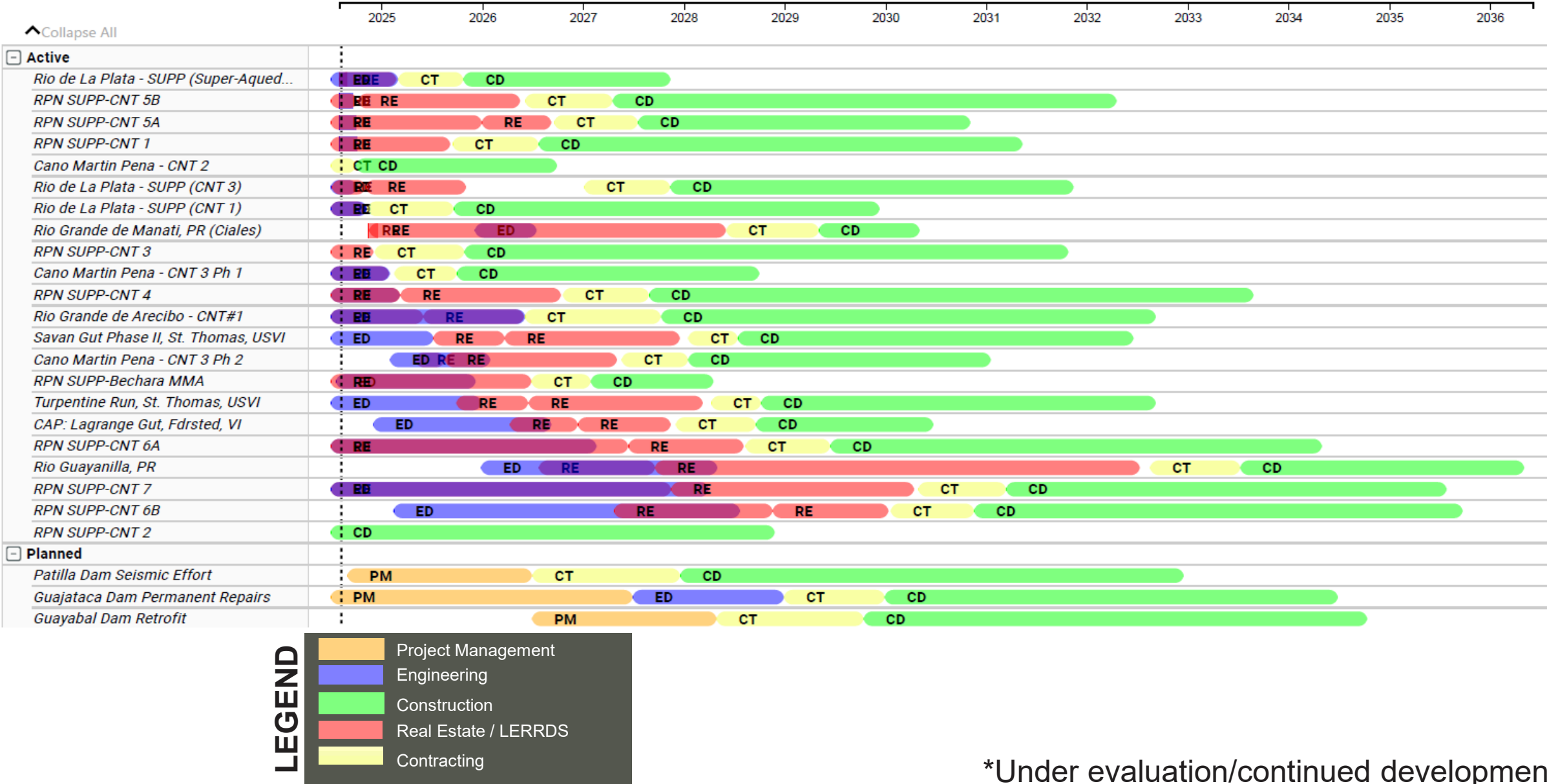
U.S. Virgin Islands



-  Interagency and International Services
-  Military Construction (MILCON)
-  Flood Risk Management
-  Deep Draft Navigation
-  Aquatic Ecosystem Restoration
-  Coastal Storm Risk Management
-  Non-structural Interagency



INTEGRATED SCHEDULE FOR CIVIL WORKS*





UPCOMING CONTRACTS



STRATEGIES TO EXECUTION: AE focus for design, staff augmentation, and new and improved acquisition strategies with a focus on expediting contract awards

AE/SERVICE/CMS

- RPN Contract 7 Design – Early 2025
- RPN Landscape Architect (Linear Parks) – Late 2025
- RPN (Cnt 6A) Geotechnical Surveys – Early 2025
- Rio Grande de Arecibo Contract 2 Design – Spring 2025
- Staff Augmentation Professional Services (short term)- 2025
- Staff Augmentation Professional Services (long term)-
- Rio Guayanilla – Design – July 2026
- Rio Guanajibo Contract 1 – Design - TBD
- Rio Nigua – Design – TBD
- SAA Risk Reduction Contract - TBD
- Military & Civil Works Design IDIQ - 2025

Construction Contracts

CIVIL WORKS

- Rio Puerto Nuevo Contract 3 – September 2025
- Caño Martin Peña Contract 3 – September 2025
- Rio de la Plata Contract 1 – September 2025
- Rio de la Plata Super Aqueduct – September 2025
- Proposed design build for Rio Puerto Nuevo - TBD
- Rio Puerto Nuevo Contract 1 – July 2026

MILITARY CONSTRUCTION

- Ft. Allen Readiness Center - Design Build – June 2025
- St. Croix Civil Support Training Facility – July 2025
- St. Croix Vehicle Maintenance Shop – May 2025



CONTRACT AWARDS NEXT 12 MONTHS



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Rio Grande de Arecibo

Contract 2 – AE Design Task Order (MATOC)

Expected award: Spring 2025

Magnitude of construction \$250M-\$500M



Rio de La Plata

Contract 1 – Construction

Super-Aqueduct Relocation – Construction

Expected advertisement: Feb 2025

Magnitude: \$250M-\$500M

Caño Martin Peña

Contract 3 Phase 1 – Construction

Expected advertisement: Mar 2025

Magnitude: \$100M-\$250M



Rio Puerto Nuevo

Contract 3 – Construction

Expected advertisement: Mar 2025

Magnitude: \$250M-\$500M



Flood Risk Management



Aquatic Ecosystem Restoration



CAÑO MARTÍN PEÑA OVERALL IMPLEMENTATION



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PROJECT IMPLEMENTATION, FEATURES, AND MAP

CONTRACTS

CONTRACT 1 | VEGETATION REMOVAL

STATUS: Completed June 2023, \$3.4M, 36 acres vegetation removed.

SOLID WASTE REMOVAL CONTRACT

STATUS: Completed Oct 2023, \$2.3M, 15K Tons removed + Modification for additional 3.8K Tons (\$600K).

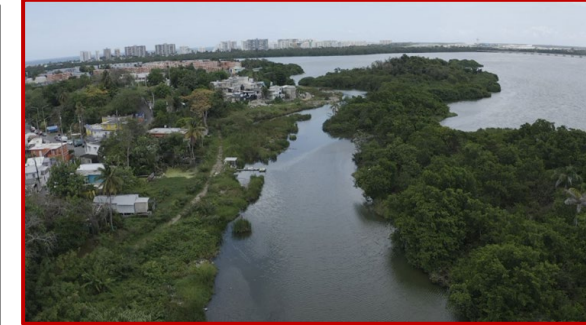
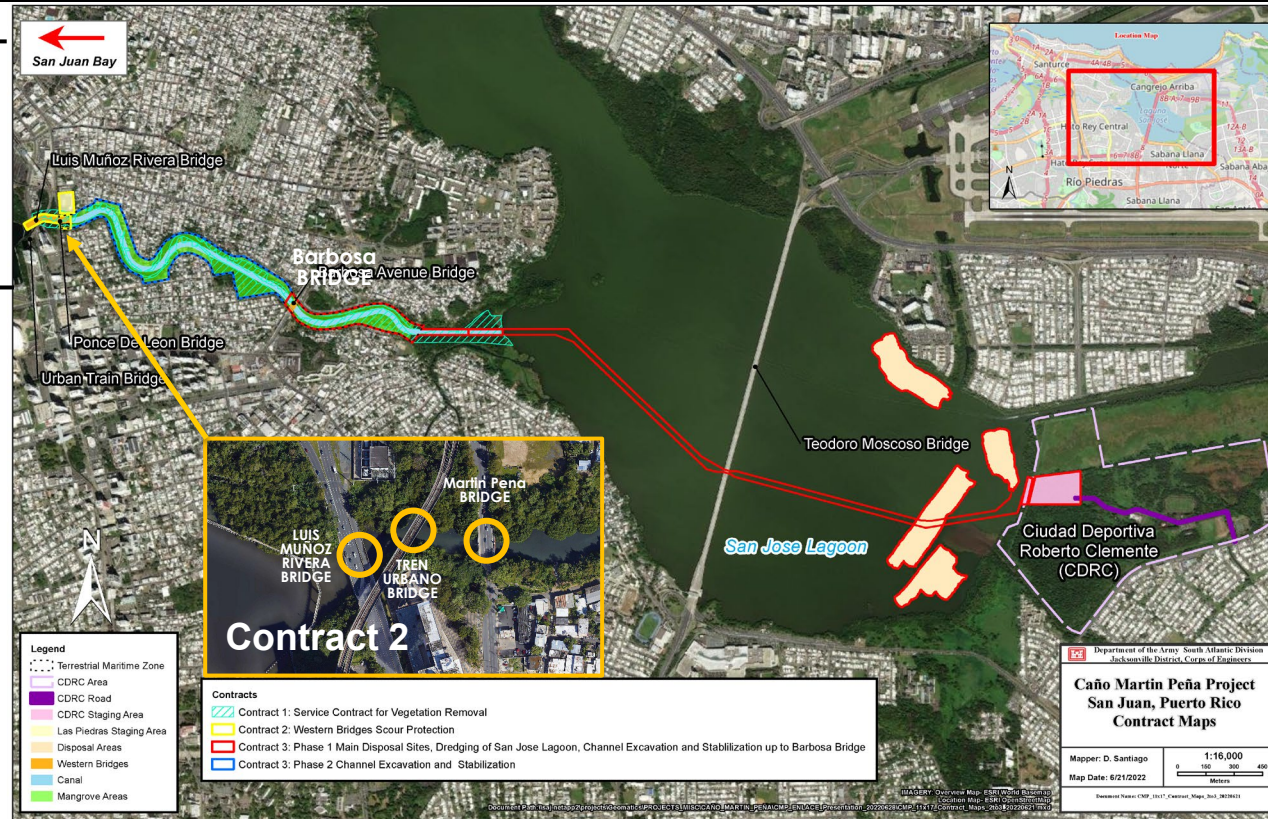
CONTRACT 2 | WESTERN BRIDGES SCOUR PROTECTION.

Marín Peña, Tren Urbano, and Luis Muñoz Rivera

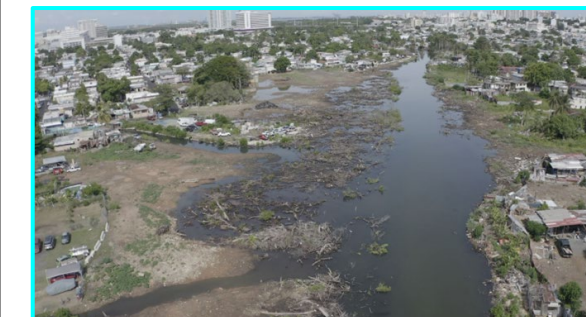
STATUS: Awarded Sep 2024, \$14.7M. Expect completion in Oct 2026

SCOPE

- Excavation of ~ 25K CY of material from the western end of the channel
- Construction of a 115-foot-wide by 6.5-foot-deep channel located at western bridges.
- Installation of riprap at the channel bottom and the side slopes to prevent scour
- Steel sheet pile walls will be installed at the eastern end



Contract 3: Phase 1



Contract 3: Phase 2

CONTRACT 3 | CHANNEL EXCAVATION / STABILIZATION

STATUS: Phase 1 & Phase 2 Contracts award anticipated in Sep 2025 and Jan 2028, respectively

SCOPE

- 1.8 miles channel dredging
- 2 miles access channel dredging from staging area to eastern end of CMP
- Bank stabilization to include sheet pile
- Barbosa Bridge scour protection
- ~ 35 acres Mangrove/wetland restoration for entire channel
- Recreation features

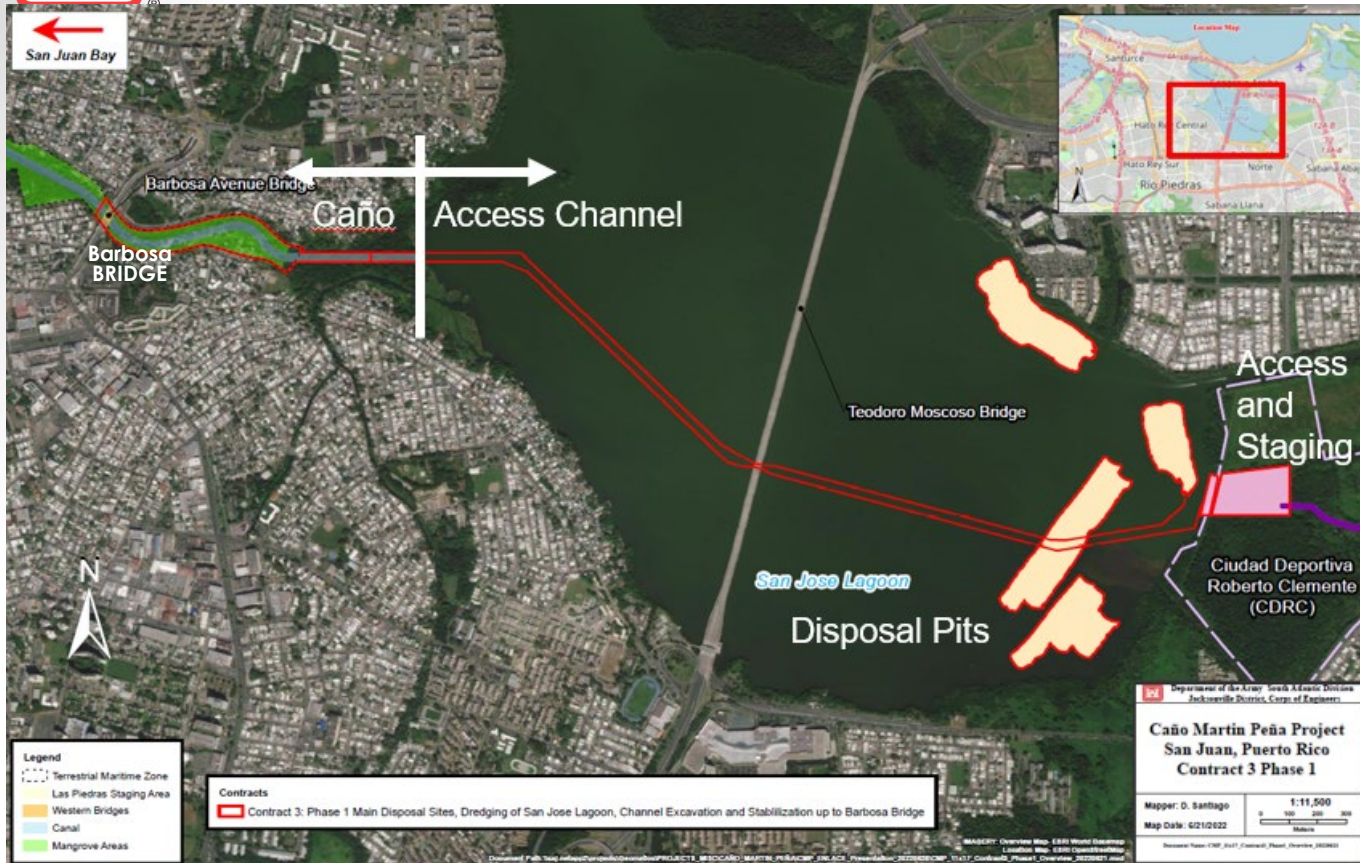




CONTRACT 3 PHASE 1 - OVERVIEW



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- **Channel Improvement: From Barbosa Bridge to to eastern end of CMP**
 - ✓ Dredging of 1350 meters long channel (30.5 x 3.1 m)
 - ✓ Steel sheet pile walls with concrete cap
 - ✓ Scour protection for Barbosa Bridge (riprap)
- **Develop Staging and Access Area (CDRC)**
 - ✓ Material Management Area
- **Prepare Disposal Pits**
 - ✓ To receive dredged material
- **Access Channel Construction: Provide access from staging/access area to eastern end of Caño Martin Peña**
 - ✓ About 3,000 meters long
 - ✓ Moscoso Bridge will be protected

CNT 3 PHASE 1 SCHEDULE

Final Design	JAN 28, 2025
Advertisement	MAR 29, 2025
Award C Contract	SEPT 30, 2025

MAGNITUDE OF CONSTRUCTION

Between \$100,000,000 and \$250,000,000

* Industry Day in December 2024



RIO DE LA PLATA - OVERVIEW

PROJECT FEATURES AND IMPLEMENTATION PLAN



CONTRACT 1A *Completed 2015*



DORADO BRIDGE CHANNEL WIDENING AND SCOUR PROTECTION

- Anticipated Completion: 2024



ARTICULATED CONCRETE BLOCK MAT AND TOE KEY

- Substantial Completion: 2023



SUPPLEMENTAL CONTRACT 1

Features

- 4 concrete culverts
- 1.6 miles of river channel improvements
- 2.9 miles of earthen levees
- 30 acres of wetland mitigation



SUPPLEMENTAL CONTRACT 3

Features:

- 1.4 miles of river channel improvements
- 1.3 miles of earthen levees



SUPPLEMENTAL CONTRACT: NORTH COAST SUPERAQUEDUCT RELOCATION

Features:

- 1,000-foot relocation of a 72-inch potable water line, which supplies water to the northern municipalities





RIO DE LA PLATA - CONTRACT 1

MAIN PROJECT FEATURES:

- 1,780,000 m³ channel excavation
- 772,000 m³ levee fill placement
- 160,000 m³ scour protection stone placement
- 4 – concrete culvert structures (2 - west levee, 2 - east levee)
- Construction for mitigation of Wetlands

ADDITIONAL PROJECT FEATURES:

- Maintenance roads
- Drainage ditches
- Utility relocations
- Material Management Areas
- Demolition of abandoned structures

CNT 1 SCHEDULE

Advertisement	FEB 27, 2025
Award	SEPT 30, 2025

MAGNITUDE OF CONSTRUCTION

Between \$250,000,000 and \$500,000,000





RIO DE LA PLATA NORTH COAST SUPER-AQUEDUCT RELOCATION



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GENERAL INFORMATION:

- Relocate ~1,000 ft of 72-inch diameter **potable** water line below new channel
- Existing water line is Prestressed Concrete Cylinder Pipe (PCCP)
- Must remain operational during relocation requiring:
 - Wet tapping
 - Temporary bypass

RELOCATION PROJECT FEATURES:

- 72-inch diameter Welded Steel Pipe (WSP)
- Parallel Sheet Pile System
- Two, 48-inch diameter HDPE temporary Bypass pipes

SCHEDULE

Advertisement

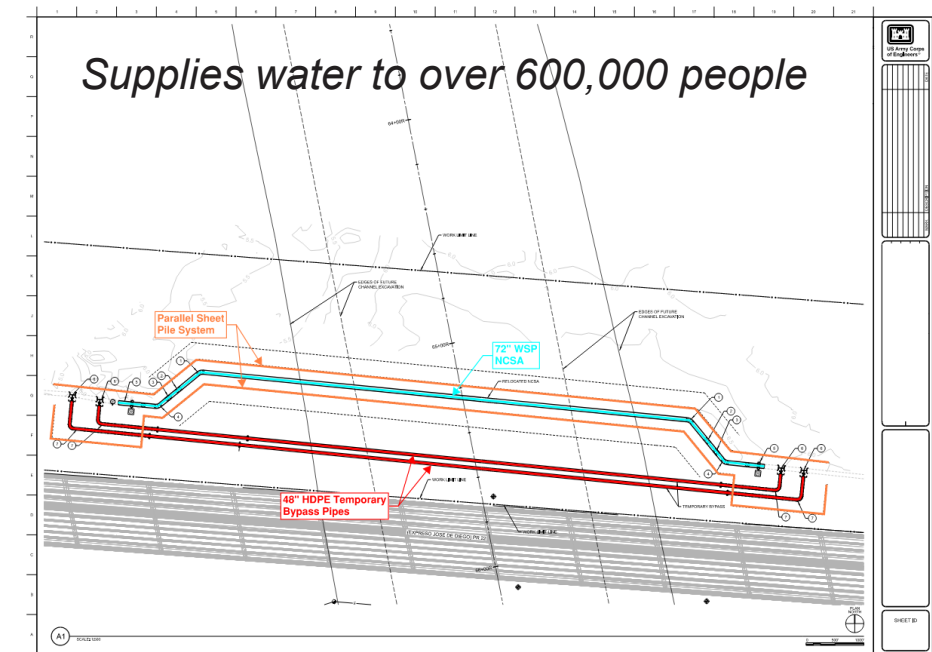
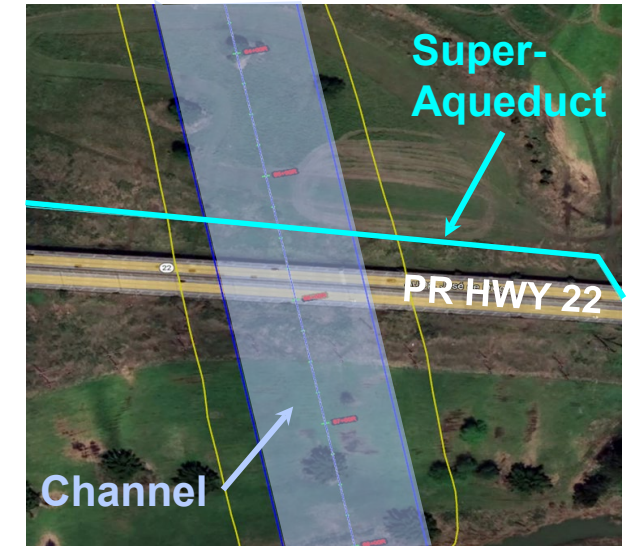
MAY 8, 2025

Award

SEPT 30, 2025

MAGNITUDE OF CONSTRUCTION

Between \$25,000,000 and \$100,000,000





RIO GRANDE DE ARECIBO - OVERVIEW



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Completed Works

- Rio Santiago Diversion
- South PR-22 Levee
- Rio Tanamá
 - Levee/Channel Improvements

Ongoing - BBA Supplemental

- Contract 1
 - Rio Grande de Arecibo Levee and Floodwall
 - Rio Santiago Enlargement
- Contract 2A
 - Rio Santiago Discharge to Ocean
- Contract 2B
 - Upper Rio Santiago Enlargement & Bridge Replacements

Corps will pursue A/E Task Order for Contract 2 Design

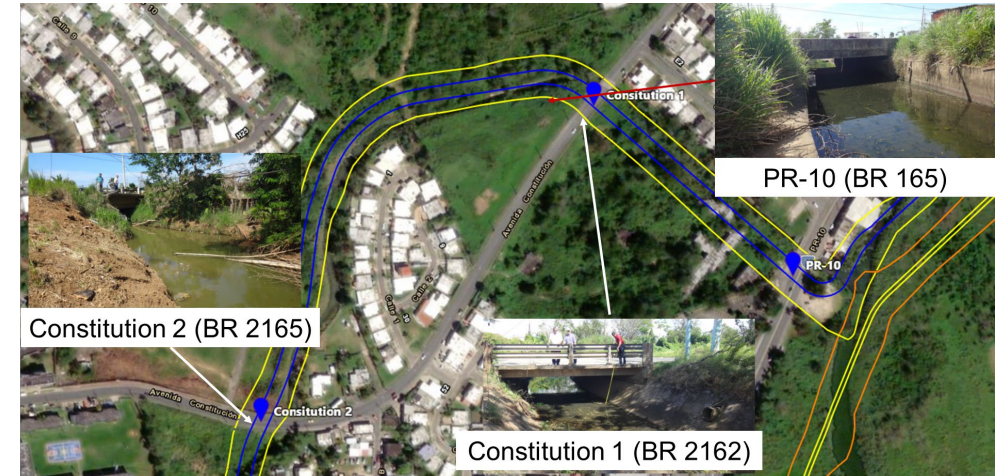
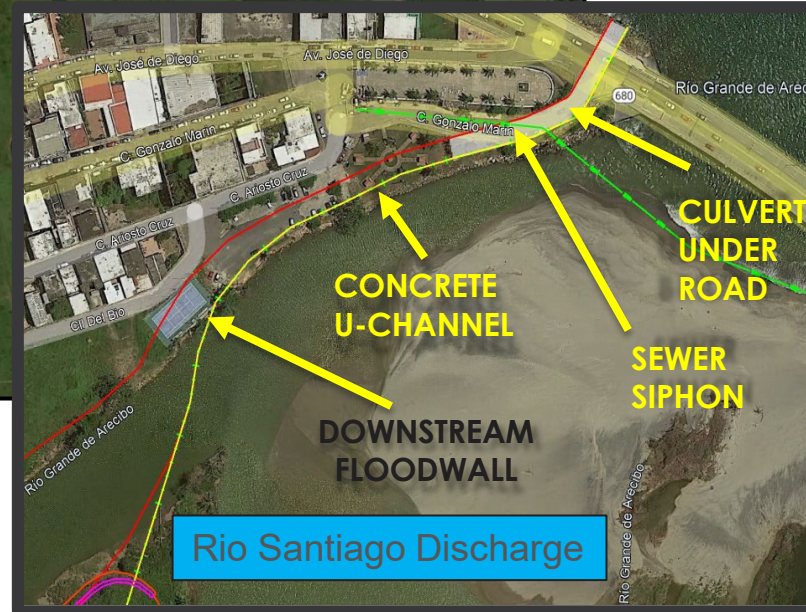
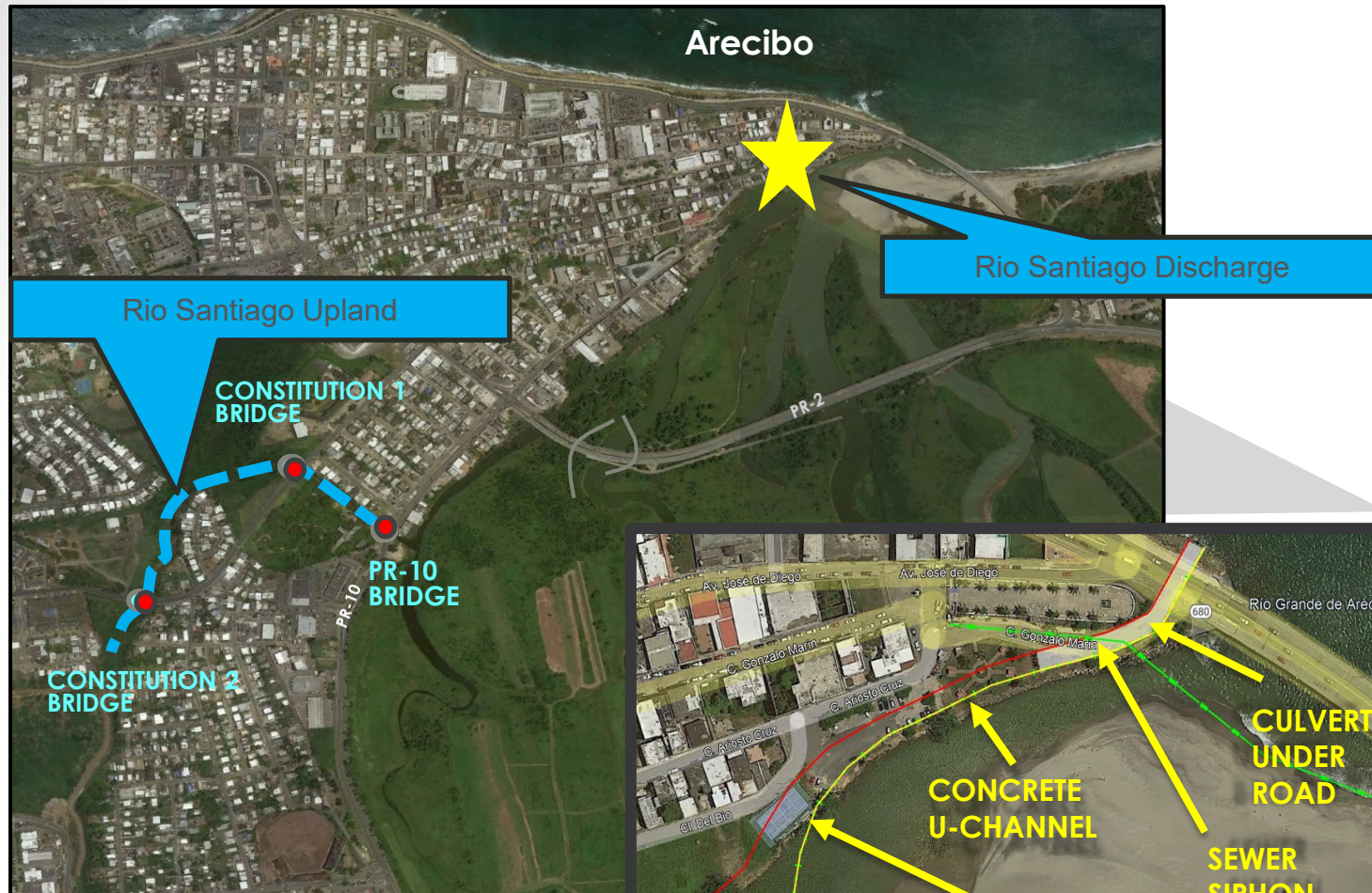


RIO GRANDE DE ARECIBO

CONTRACT 2 – A/E DESIGN SCOPE



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Flood Control Features

- Santiago Channel - Deepening & Widening
- 3 Bridge Replacements
- Concrete U-Channel
- Two-Barrel Culvert
- 42-in Sewer Siphon

A/E Award: Spring 2025

MAGNITUDE OF CONSTRUCTION

Between \$250,000,000 and \$500,000,000



Río Puerto Nuevo Flood Risk Management Project - Overview



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COMPLETED (COST SHARED)

CONTRACTS 1, 1A, 2A/AR, 2AA, 2C1, 2D WALLS

STATUS: 2D Walls, last completed, was May 2022

AMOUNT: \$470M

- Kennedy Bridge seismic retrofit; 36-inch water line
- First 1.3 miles of channel improvements
- Quebrada Margarita channel excavation and confluence wall; lower Puerto Nuevo channel dredging
- Bechara Channel secant pile wall box culvert; 90-inch sewer line modification; open channel work
- De Diego Expressway Bridge abutments; east and west pier drill shaft reinforcement
- Quebrada Margarita Stilling Basin
- Construction of 350-foot left channel wall and 750-foot right channel wall at channel confluence.

CONTRACT - LA CHULETA

- Upland Material Management Area (future capacity of ~350,000 cubic yards of material)

ONGOING (SUPPLEMENTAL) CONSTRUCTION

CONTRACT 2 | ROOSEVELT BRIDGE

- Roosevelt Avenue Bridge replacement

REMAINING (SUPPLEMENTAL) CONSTRUCTION

CONTRACT 1 | UPPER MARGARITA CHANNEL

- Sewer line relocation
- Construction of .63 miles of channel improvements at Upper Quebrada Margarita

CONTRACT 3 | MAIN CHANNEL (RIO PIEDRAS)

- Channel walls
- 1.1 miles of Main Channel improvements

CONTRACT 4 | LAS AMERICAS BRIDGES

- Channel, Stilling Basin and Bridge Replacements
 - 4A-1: Las Americas Expressway Bridge
 - 4A-2: Piñero Avenue Bridge East
 - 4A-3: Northeast Access Ramp Bridge
 - 4A-4: Southeast Access Ramp Bridge

CONTRACT 5 | NOTRE DAME & W. PIÑERO BRIDGE

- 5A: Notre Dame Bridge replacement
- 5B: Piñero Avenue Bridge West replacement; Quebrada Josefina downstream to Río Piedras

CONTRACT 6A/6B | MAIN CHANNEL / BUENA VISTA

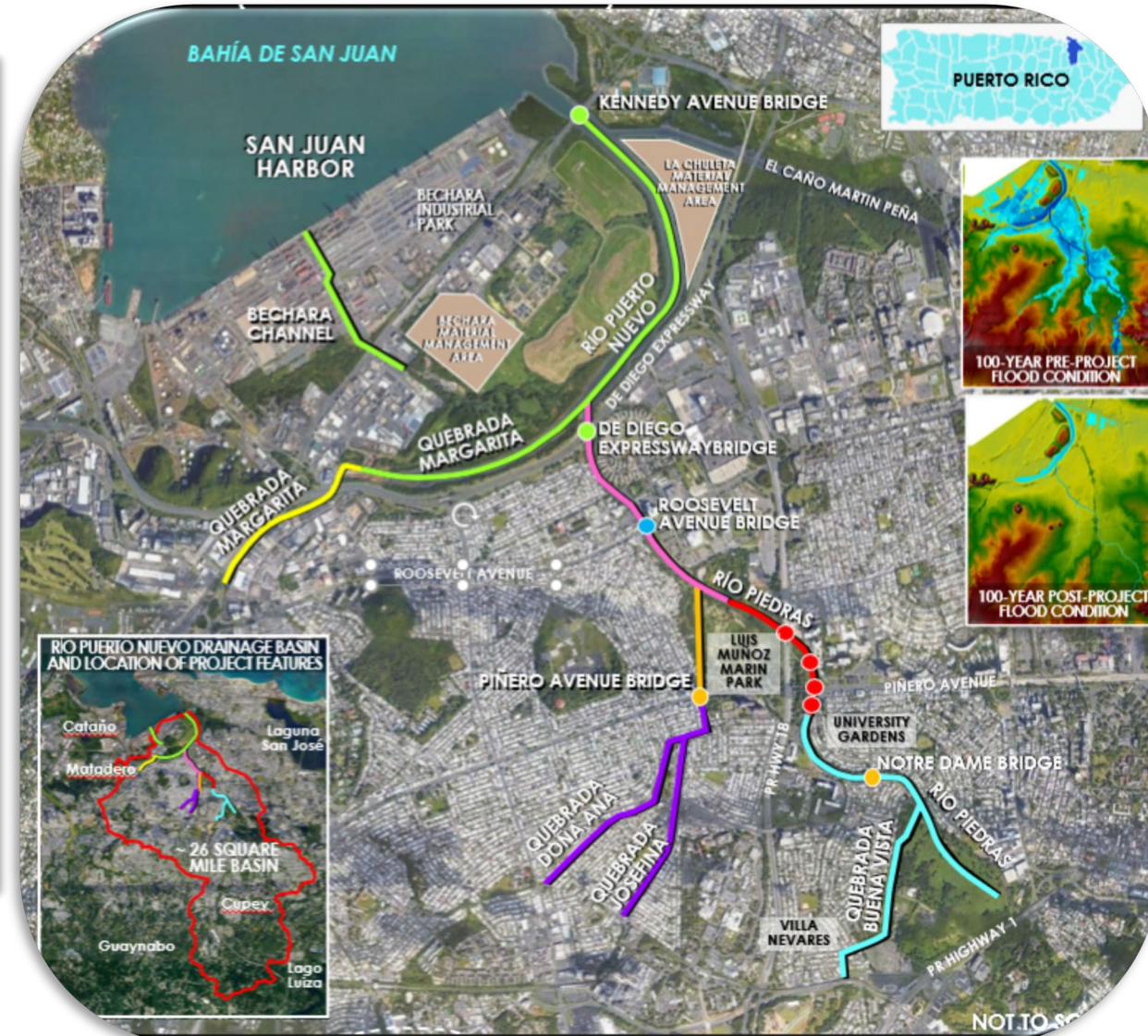
- 1.75 miles of Río Piedras channel improvements
- 4 bridges (2 new; 2 replacements)
- .80 miles channel diversion at Quebrada Buena Vista

CONTRACT 7 | JOSEFINA & DOÑA ANA CHANNEL

- 10 bridge replacements
- 5000 LF. of Quebrada Josefina and 4400 LF. of Quebrada Doña Ana channel improvement

CONTRACT - BECHARA

- Upland Material Management Area (future capacity of ~600,000 cubic yards of material)



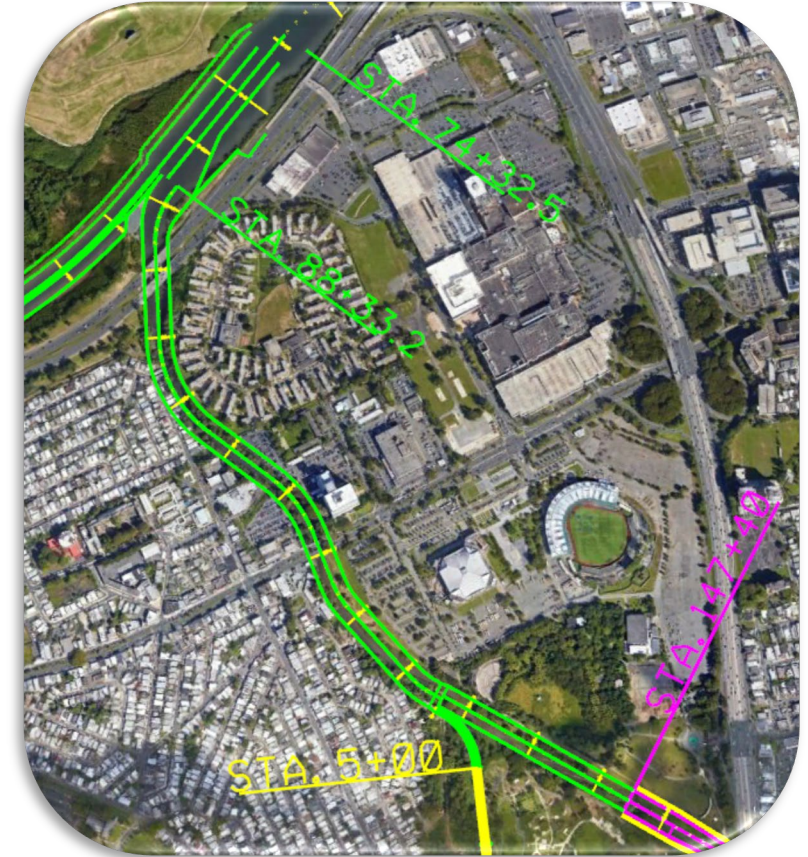


RPN Supplemental Contract 3



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- Channel Walls
- Demonstration Wall
- Sewer Siphon
- Utility Bridge
- Main Channel Transition
- Josefina Channel Transition
- Power Line Relocation
- Dredging and Excavation
- Stormwater Penetrations
- Main channel walls, ~2 Miles of Tangent Piles
- Period of Performance – 5.5 Years



SCHEDULE

Advertisement	March 14, 2025
Award	SEPT 30, 2025

MAGNITUDE OF CONSTRUCTION

Between \$250,000,000 and \$500,000,000



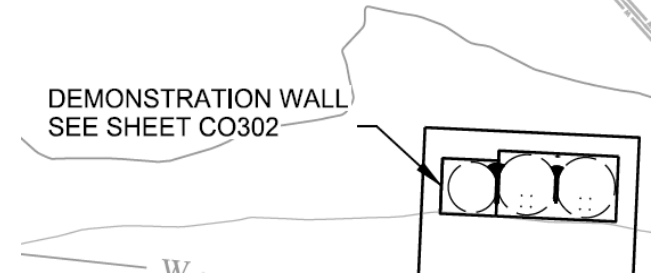
RPN Supplemental Contract 3



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- 1,700 six-foot diameter concrete drill shaft piles (~100 feet deep)
- 200,000 cy of concrete
- 46,000 tons of reinforcing steel
- 600,000 cy of excavated material to be disposed
- 25,000 cy of suitable fill
- 8,000 tons of steel sheet pile

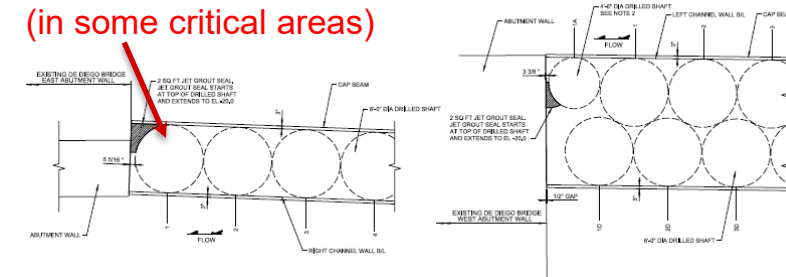


Demonstration Wall per Crew

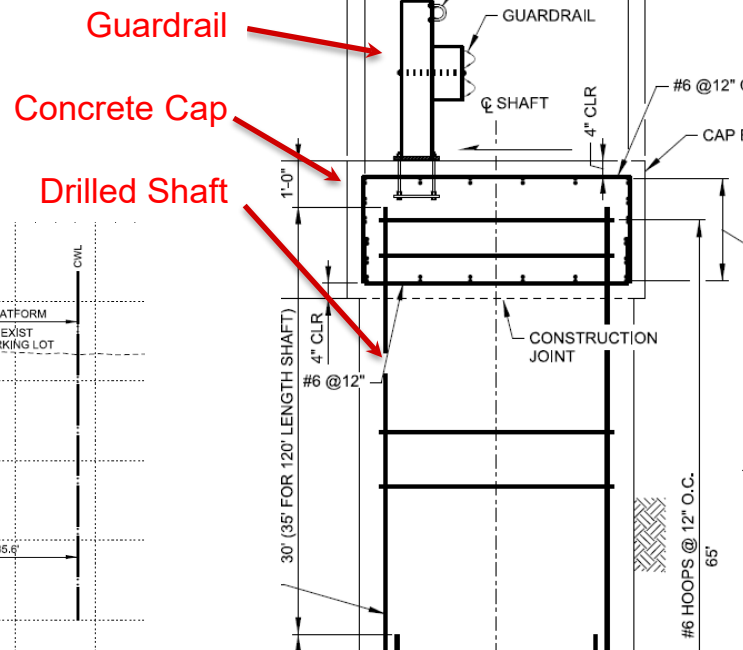
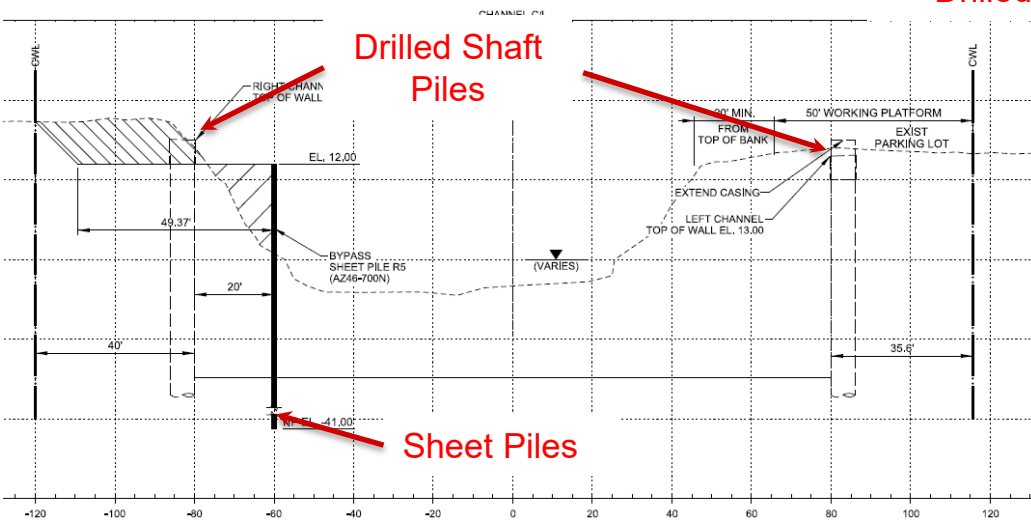


Drilled Shaft Piles, Heavily Reinforced

Jet Grout
(in some critical areas)



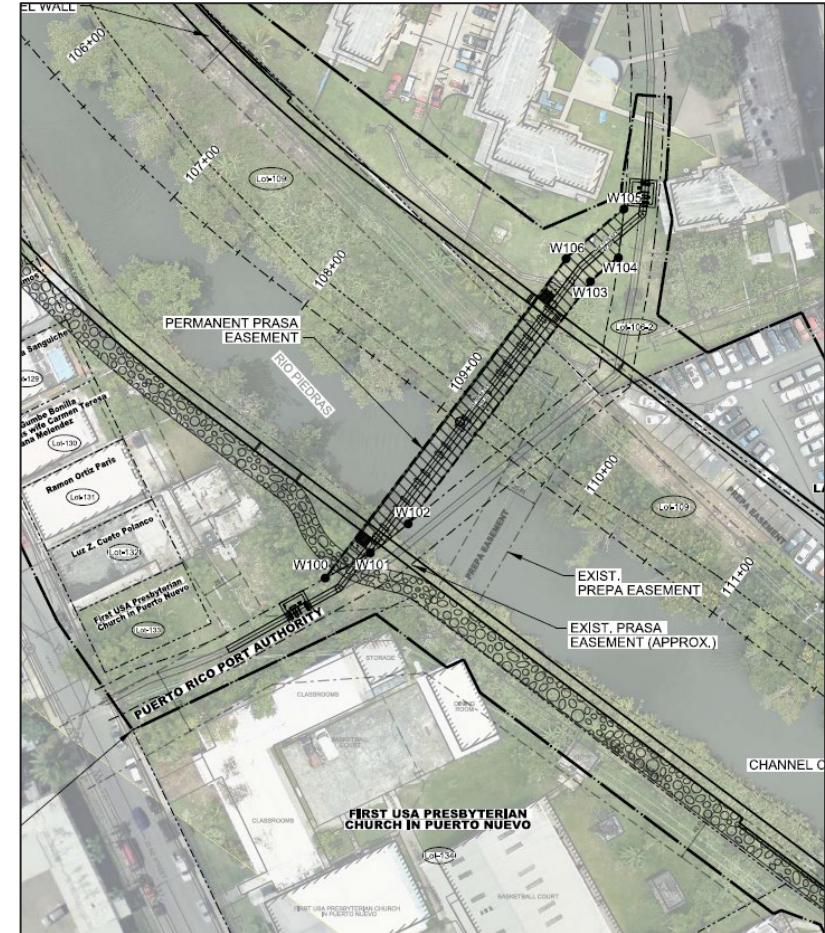
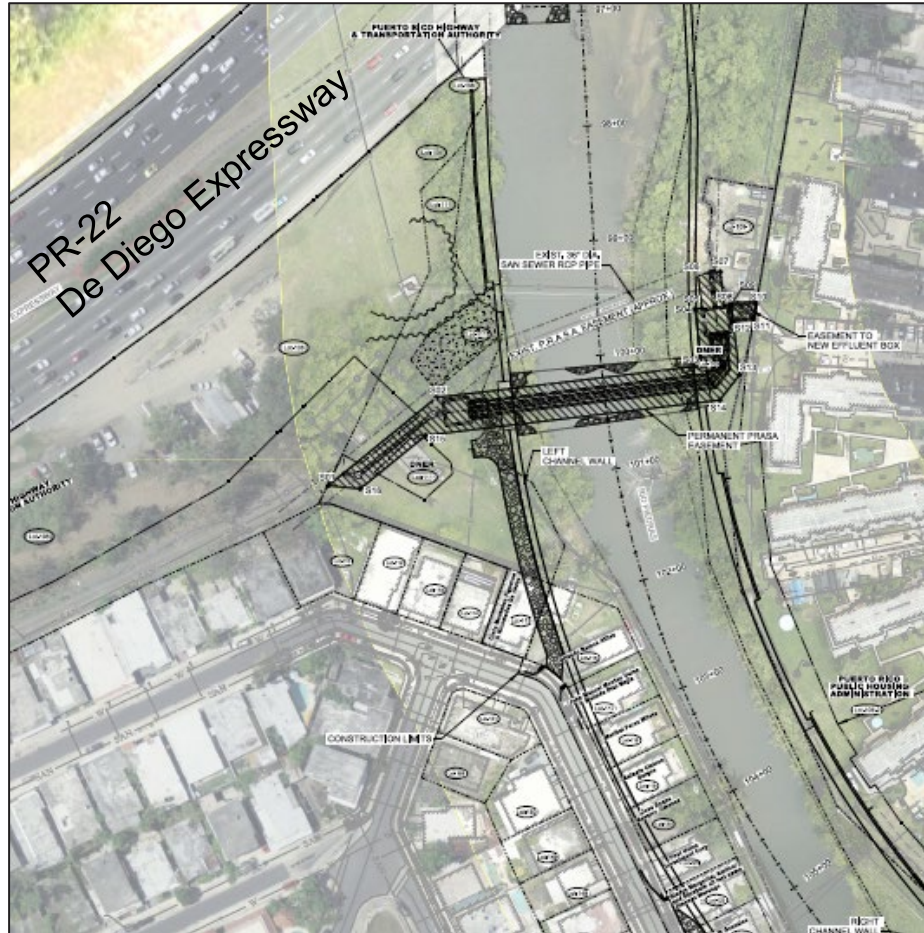
Single and Double Rows of Tangent Piles





RPN Supplemental Contract 3

Sewer Siphon and Utility Bridge with 48 Inch Diameter Watermain

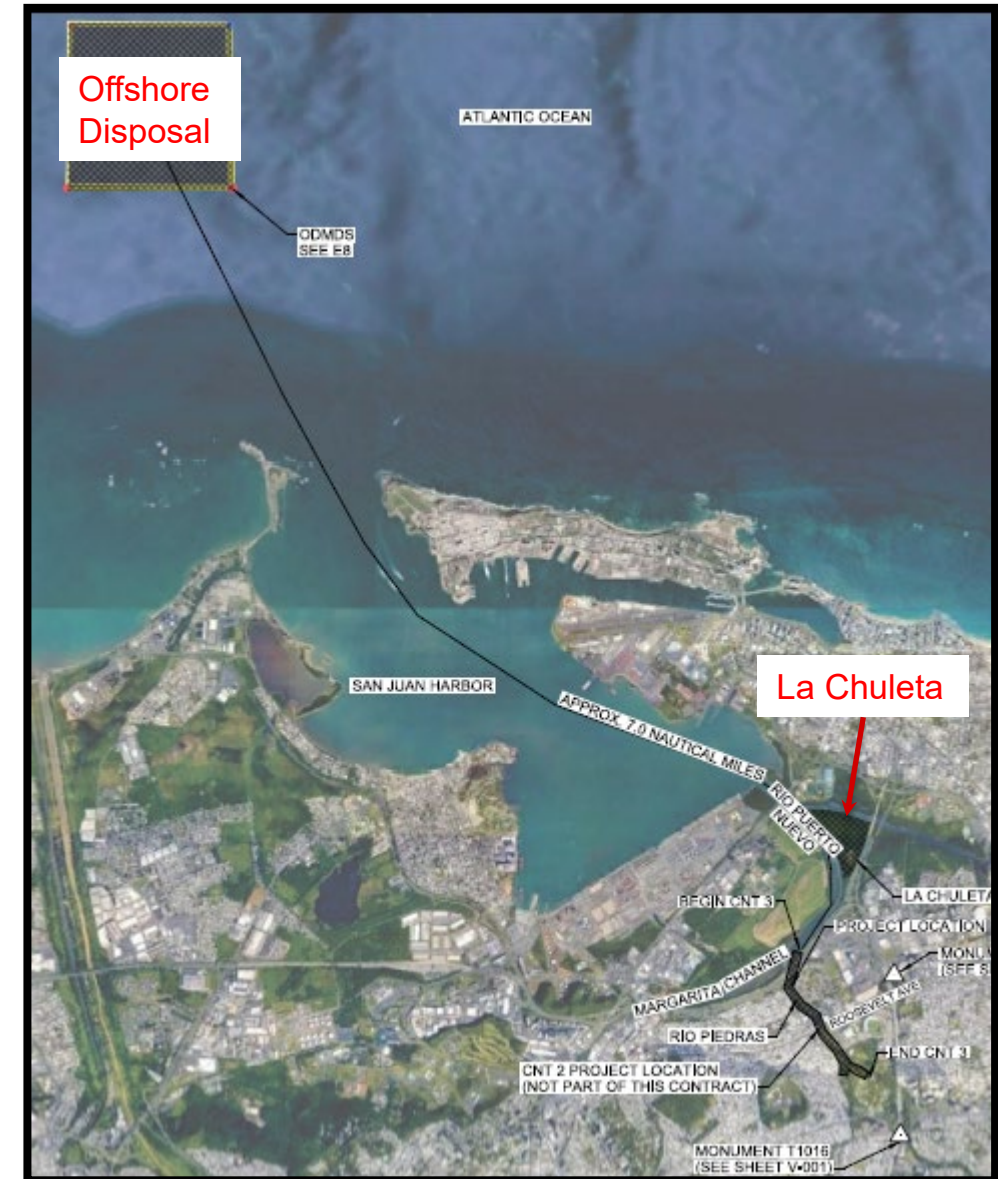




RPN Supplemental Contract 3

Disposal Areas

- La Chuleta for bank excavation
- Offshore for material under the mean high high water line





THANK YOU!

Learn more about upcoming opportunities with the Caribbean District:

- SAME Mobile, Alabama: 16 October
- SAME San Juan: 18 October 2024
- SAME Small Business Conference: New Orleans, Louisiana 21 November
- SAME Jacksonville, Florida: 10 December
- Caribbean District Industry Day
 - Rio de La Plata and Cano Martin Pena, 11 December
 - Rio Puerto Nuevo Contract 3, 12 December (tentative)

Website: [Caribbean District \(army.mil\)](https://www.sad.usace.army.mil/Caribbean-District/) : <https://www.sad.usace.army.mil/Caribbean-District/>

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