

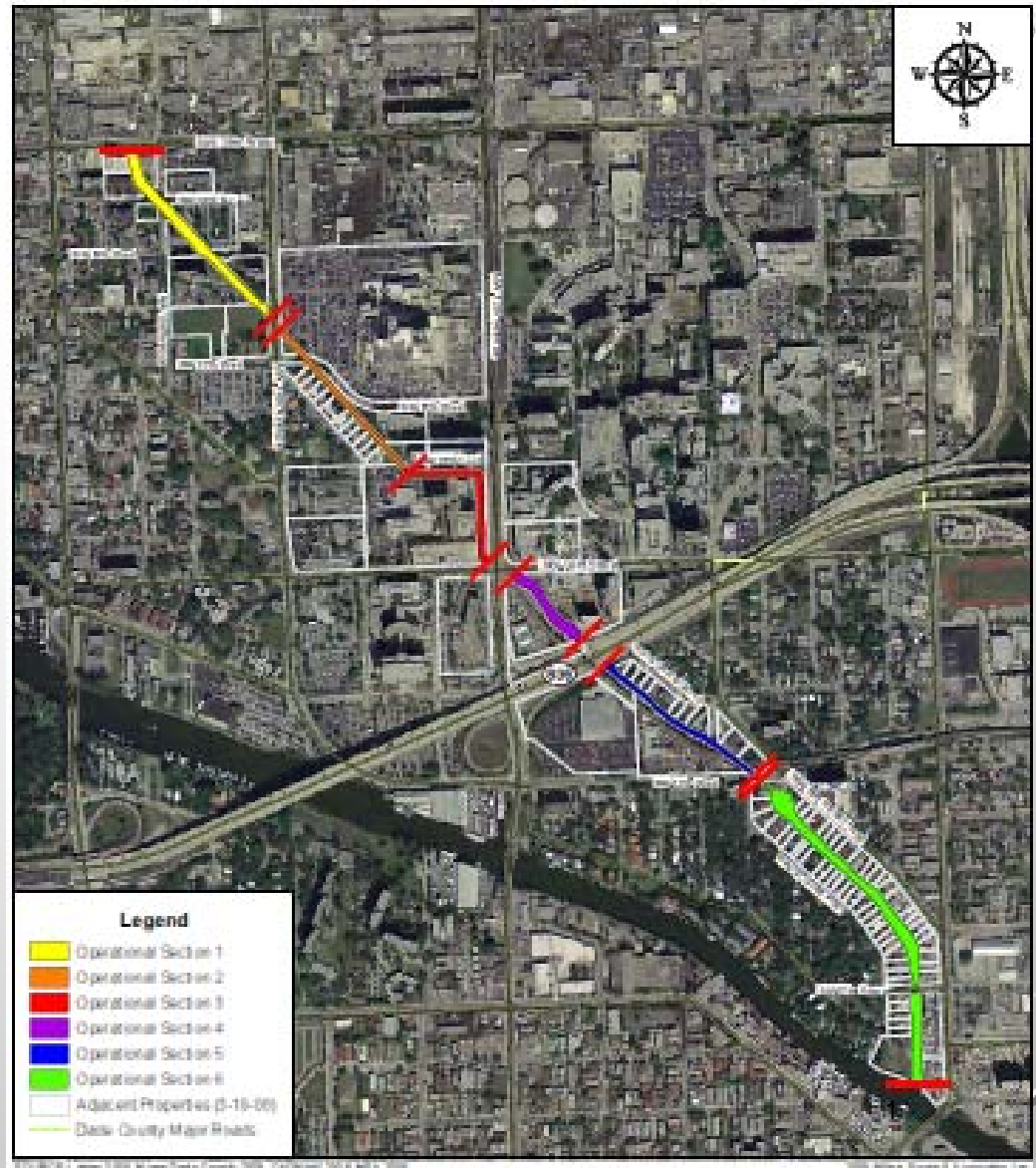
WAGNER CREEK/SEYBOLD CANAL RESTORATION PROJECT

RFP NO. 15-16-010

CITY OF MIAMI, FL

PRE-PROPOSAL
CONFERENCE

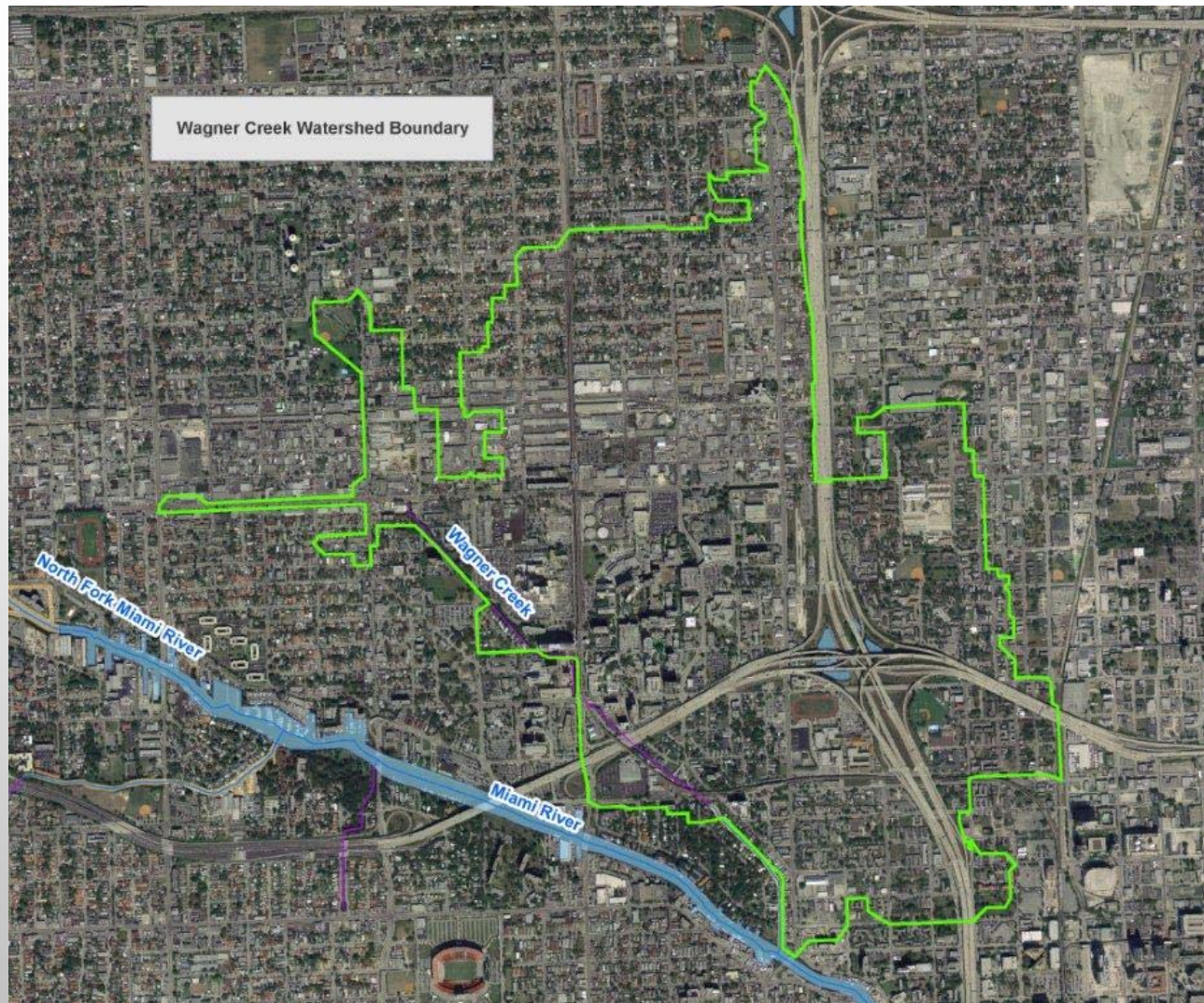
JANUARY 11, 2016



AGENDA

- PROJECT SITE LOCATION/AREAS
- SITE DESCRIPTION
 - WAGNER CREEK
 - SEYBOLD CANAL
- ENVIRONMENTAL HISTORY
- PROJECT GOALS
- ESTIMATED SEDIMENT REMOVAL QUANTITIES
- CRITICAL SUCCESS FACTORS
- QUESTIONS/DISCUSSION

PROJECT SITE LOCATION



PROJECT AREAS

Section 1

NW 20th St to NW 14th Ave

Section 2

NW 14th Ave to NW 15th St

Section 3

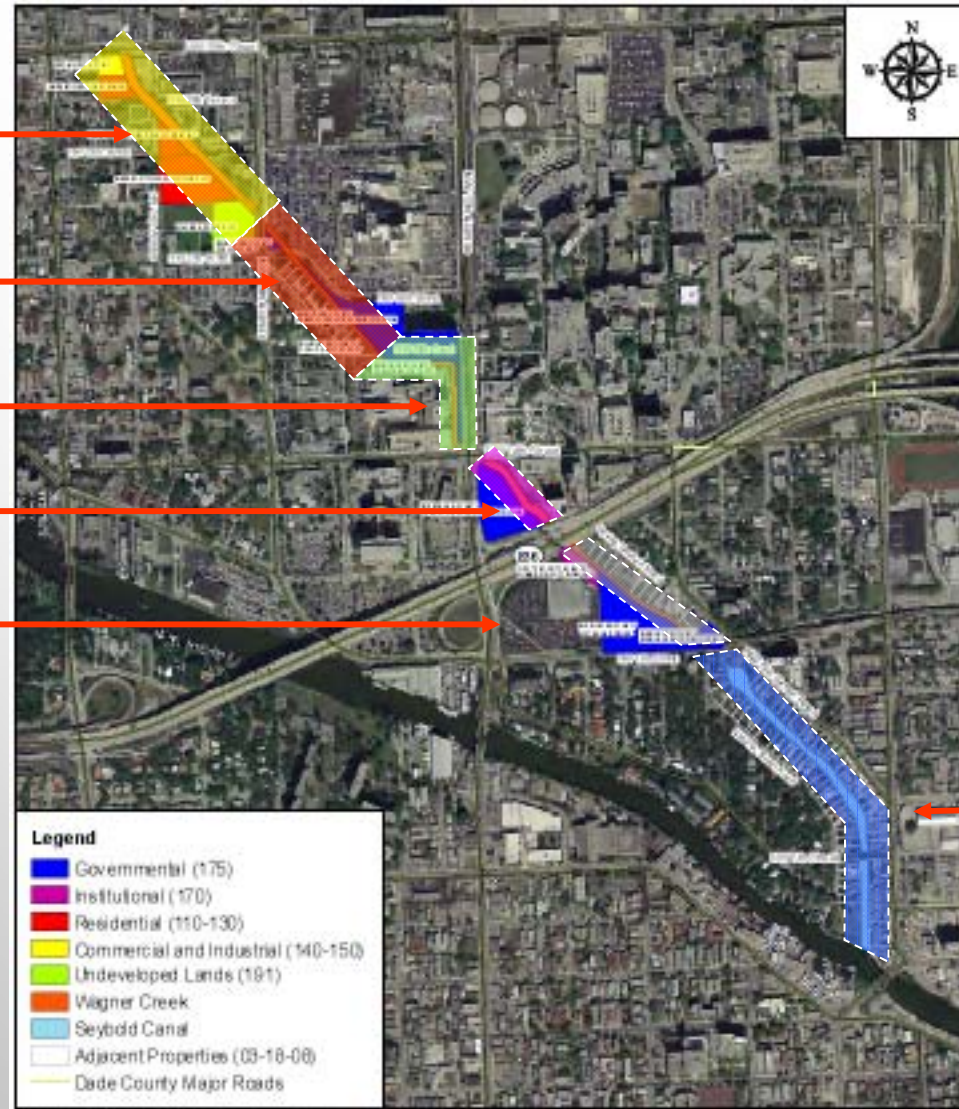
NW 15th St to NW 14th St

Section 4

NW 14th St to SR 836

Section 5

SR 836 to NW 11th St



Section 6

Seybold Canal

NW 11th St to Miami River

SITE DESCRIPTION

WAGNER CREEK

- Project site is located in a densely populated urban area of the City of Miami, Miami-Dade County, Florida along a 1.67-mile (7,850 feet) tributary to the Miami River.
- Wagner Creek, starting at NW 20th Street, receives stormwater run-off from the surrounding C-6 Basin and merges into Seybold Canal at NW 11th Street.
- Wagner Creek is approximately 5,500 feet long, ranges in 22 ft to 40 ft wide, and a depth range of 3 ft to 6 ft.
- Most sections are not accessible or navigable by boat due to shallow depths
- Wagner Creek is bordered by commercial and residential properties and a hospital complex with some low-lying fixed roadway bridges crossing over the creek

WAGNER CREEK



SITE DESCRIPTION

SEYBOLD CANAL

- Approximately 2,350 feet long and 25 ft to 60 ft wide with a 100 ft wide turning basin at the northern end of the canal (NW 11th St).
- Navigable waterway that is bordered by residential and commercial properties and lined by seawalls, docks and other types of revetment structures.
- Discharges into the Miami River approximately 2 miles NW of Biscayne Bay
- Within the geographic borders of the Biscayne Bay Aquatic Preserve and classified by Florida DEP as an Outstanding Florida Water
- Seybold Canal and Wagner Creek are both tidal.

SEYBOLD CANAL



ENVIRONMENTAL HISTORY

- In 2003, the City of Miami submitted a request to perform maintenance dredging on Wagner Creek upstream of NW 11th Street
- Sediment and surface water samples were collected and analyzed as part of the permitting process in preparation of the sediment removal and disposal → analytical results indicated elevated concentrations of dioxins in sediments
- In 2007, City engaged CH2M HILL to assist in restarting the permitting process for the sediment removal
- As part of the Corrective Action Plan (CAP), CH2M HILL conducted a site land survey, sediment and surface water sampling, and sediment thickness probing in 2008 and additional sediment sampling in 2009 in order to refine sediment removal volume estimates
 - Contaminants of concern include dioxins, PAHs and metals
- Following regulatory approval of the CAP, permits were secured from the Florida DEP, US Army Corps of Engineers, and the Miami-Dade DERM for the sediment removal and disposal

PROJECT GOALS

- Remove sediments in both Wagner Creek and Seybold Canal waterways to improve drainage and/or navigation
- Reduce the risk from contamination in the creek and canal with a focus on protecting public and worker safety
- Minimize damage to existing structures, land vegetation and wildlife

SEDIMENT REMOVAL QUANTITIES

Operational Sections	Dredge Volume Estimate (cy)	Dredge Mass Estimate (tons)
OS-1 (NW 20 th St to NW 14 th Ave)	3,945	5,444
OS-1 Emelle (or similar facility)	654	902
OS-2 (NW 14 th Ave to NW 15 th St)	3,927	5,419
OS-2 Emelle (or similar facility)	1,220	1,684
OS-3 (NW 15 th St to NW 12 th Ave)	4,338	5,986
OS-4 (NW 12 th Ave to SR 836)	2,094	2,890
OS-5 (SR 836 to NW 11 th St)	4,339	5,988
OS-6 (Seybold Canal)	23,793	32,835
TOTAL	44,310	61,147

SEDIMENT REMOVAL ASSUMPTIONS

- Sediment removal based on bathometric and probing volumes from August 2008 – 44,310 cy.
- Proposed removal work defined in the Corrective Action Plan 2 (Sept 2009)
- Sediments with Dioxins TEQ $> 1,000$ pg/g (as determined from the 2008-09 sampling event) would be transported and disposed at the Waste Management-Emelle, AL facility (or similar)
- Volumes includes a 10-foot minimum offset from the seawalls, docks, or other structures within Seybold Canal, side slopes of 3 horizontal to 1 vertical (3:1) and a 6-inch over-dredge allowance.

CRITICAL SUCCESS FACTORS

- Design-Build Firm completes its work on budget and on schedule, and in compliance with all operating permits
- Maintain control of all sediments from removal through disposal
- No health and safety incidents
- Regular and effective communications with the project team
- Maintain detailed and accurate field documentation that will be able to sustain critical review by the City, agencies, and other stakeholders

QUESTIONS

