

Accelerating Houston Ship Channel Expansion

PROJECT 11

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WEDA Gulf Coast Chapter Meeting
Tuesday, November 8, 2022

Visit: www.expandthehoustonshipchannel.com



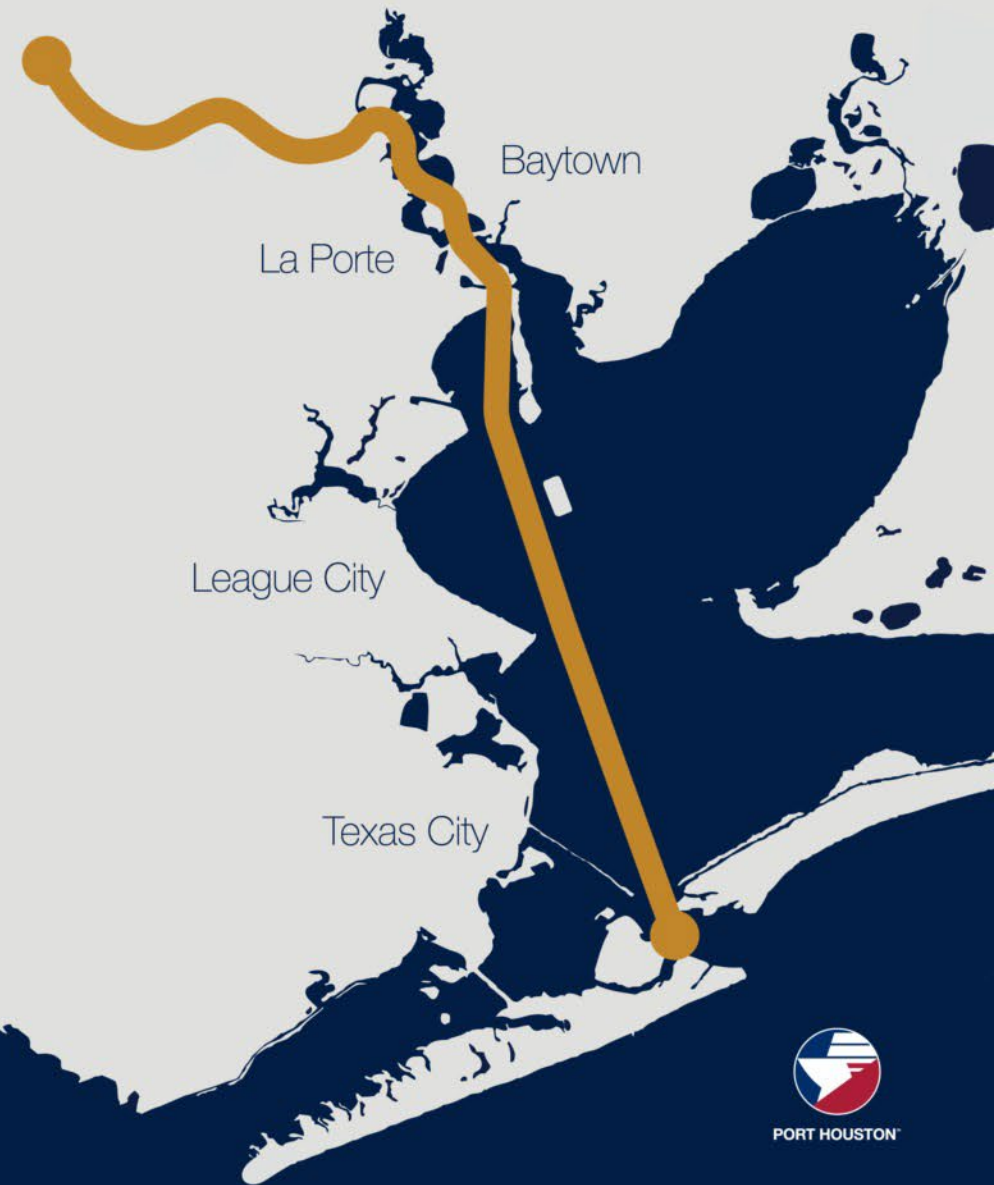
PORT HOUSTON

WHO WE ARE

We manage eight public terminals — including two container facilities we operate and six others for which we're the landlord

As the advocate and a strategic leader of the Houston Ship Channel, we support the more than 200 facilities and the neighboring communities along it by working with the federal government

We facilitate vital commerce through the port that helps keep the local and state economy moving



PORT HOUSTON

HOUSTON SHIP CHANNEL, A FEDERAL WATERWAY



1.35
MILLION
JOBS IN TEXAS



3.2
MILLION
JOBS NATIONWIDE



\$339
BILLION
ECONOMIC IMPACT
IN TEXAS



\$802
BILLION
ECONOMIC IMPACT
ACROSS THE U.S.

PROJECT 11

Project Overview

1A

Bolivar Roads to Redfish

- Approximately 11.5 miles in length
- Widen Channel to 700 feet
- Bend easing
- Construct New Bird Island
- Mitigate for oyster habitat loss

1B

Redfish to Bayport Ship Channel

- Approximately 8.3 miles in length
- Widen Channel to a minimum of 700 feet
- Bend easing
- Construct marshes and three bird islands in Galveston Bay
- Mitigate for oyster habitat loss
- Currently not in the proposed federal plan, so must be built by local interests

1C

Bayport Ship Channel to Barbours Cut

- Approximately 5 miles in length
- Widen Channel to 700 feet
- Construct additional marshes
- Mitigate for oyster habitat loss
- Currently not in the proposed federal plan, so must be built by local interests

2

Bayport Ship Channel

- Approximately 4 miles in length
- Widen Channel to approximately 455 feet
- Construct marshes and three bird islands in Galveston Bay
- Mitigate for oyster habitat loss
- Modify channel entrance to reduce shoaling

3

Barbours Cut Ship Channel

- Widen Channel to approximately 455 feet
- Construct additional marshes on Atkinson Island
- Modify channel entrance

4

Boggy Bayou (BW 8) to Sims Bayou

- Widen Channel to approximately 530 feet through Greens Bayou confluence
- Deepen from existing 41 feet to 46.5 feet from Boggy Bayou to Hunting Bayou (last Turning Basin before reaching Washburn Tunnel)

5

Sims Bayou to IH 610

- Deepen from existing 37 feet to 41.5 feet

6

IH 610 to Turning Basin

- Deepen from existing up to 41.5 feet
- Increase Brady Island Turning Basin



 No work planned in these areas

HSC ECIP / PROJECT 11

Tentative Procurement Schedule

	Package	Segment	Advertise	Construction		
Under Contract	1	1A	Aug 2021	USACE	Jan – Oct 2022	Wiipica QRI
	2	4	Feb 2021	Port	Jun 2021 – Jun 2022	RT Ellis
	3/4A	1A	Jul 2021	Port	Apr – Dec 2022	GLDD
	Abandoned Pipeline Removal	1A, 1B, 1C	Aug 2021	Port	Jan – Jul 2022	Orion
	4B/5	1B, 1C, 2	Nov 2021	Port	Oct 2022 – Dec 2024	Weeks Curtin
Funded	6	1C	Apr 2023	Port	Dec 2023 – Nov 2024	TBD
	7	3	Jan 2023	USACE	Jun 2023 – Dec 2025	TBD
Pending Federal Appropriations	8	4	Apr 2023	USACE	Aug 2023 – Nov 2024	TBD
	9	4	Jun 2024	USACE	Nov 2024 – Nov 2025	TBD
	10	5	Jul 2024	USACE	Nov 2024 – Jul 2025	TBD
	11	6	Jul 2024	USACE	Nov 2024 – Jul 2025	TBD
	12	5, 6	Dec 2024	USACE	Mar 2025 – Dec 2025	TBD



 No work planned in these areas

 No work planned in these areas



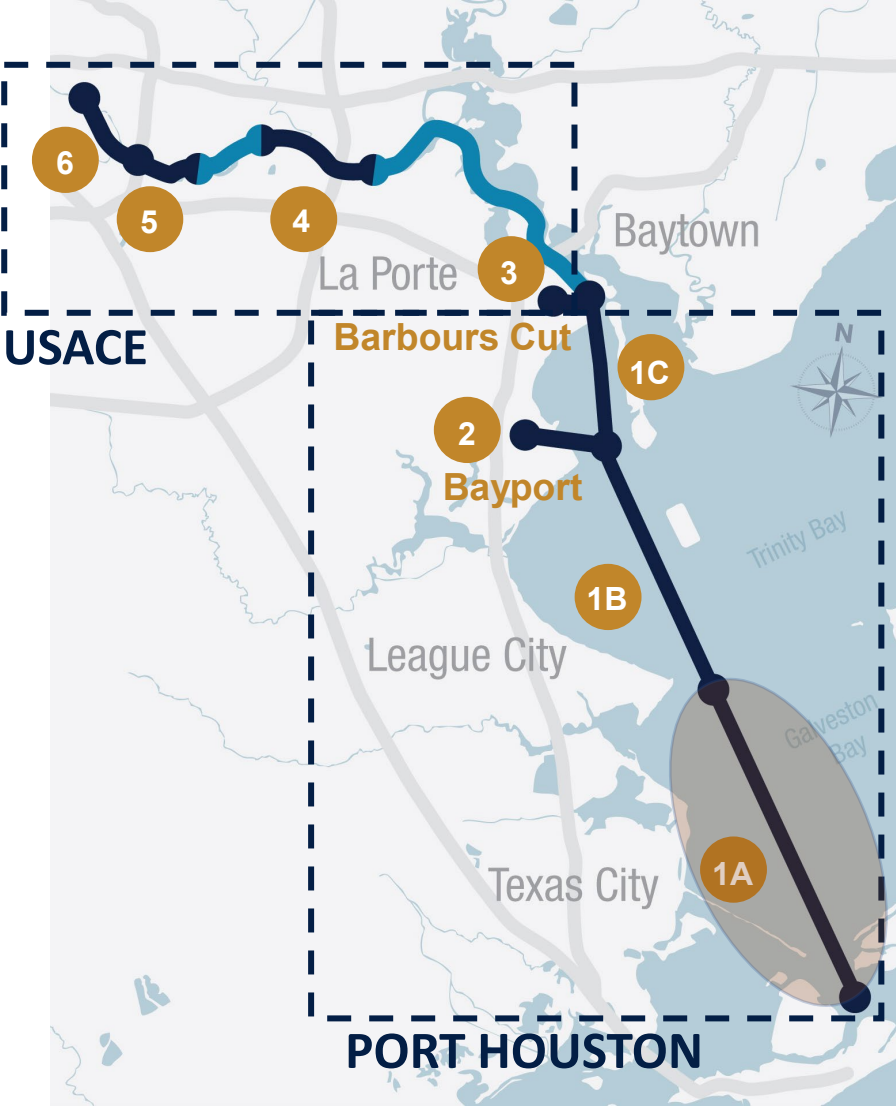
Segment 1A – Package 3/4A

Design-Construction Package Update

Advertisement		Construction	Contractor
JUL 2021	PHA	APR – DEC 2022	GLDD



**ONGOING. Bolivar Roads to Redfish
1.7 MCY to Long Bird Island and 1.9 MCY to ODMDS**



 No work planned in these areas



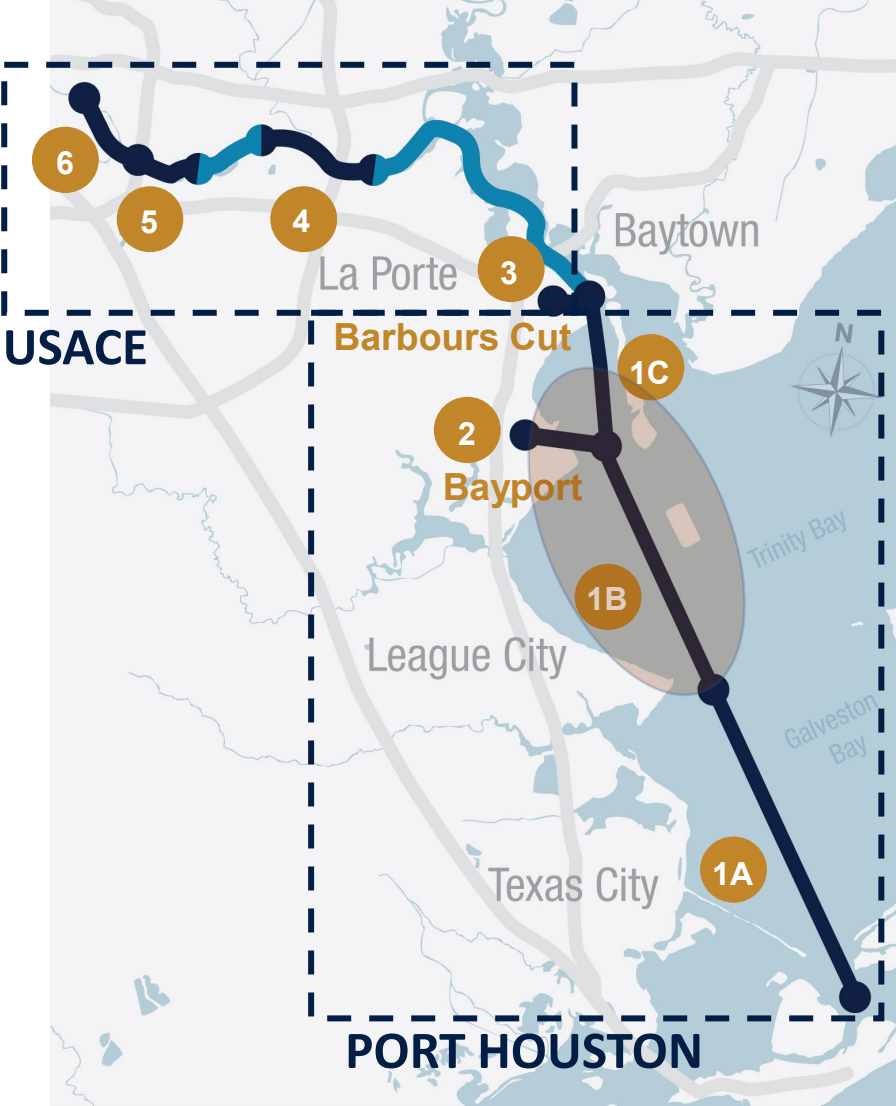
Segment 1B, 2, 1C – Package 4B/5 (Curtin)

Design-Construction Package Update

Advertisement		Construction		Contractor
NOV 2021		PHA	OCT 2022 – DEC 2024	Curtin



ONGOING. Redfish to Bayport | 5.7 MCY San Leon & Dollar Reef Oyster Mitigation, ODMDS



No work planned in these areas



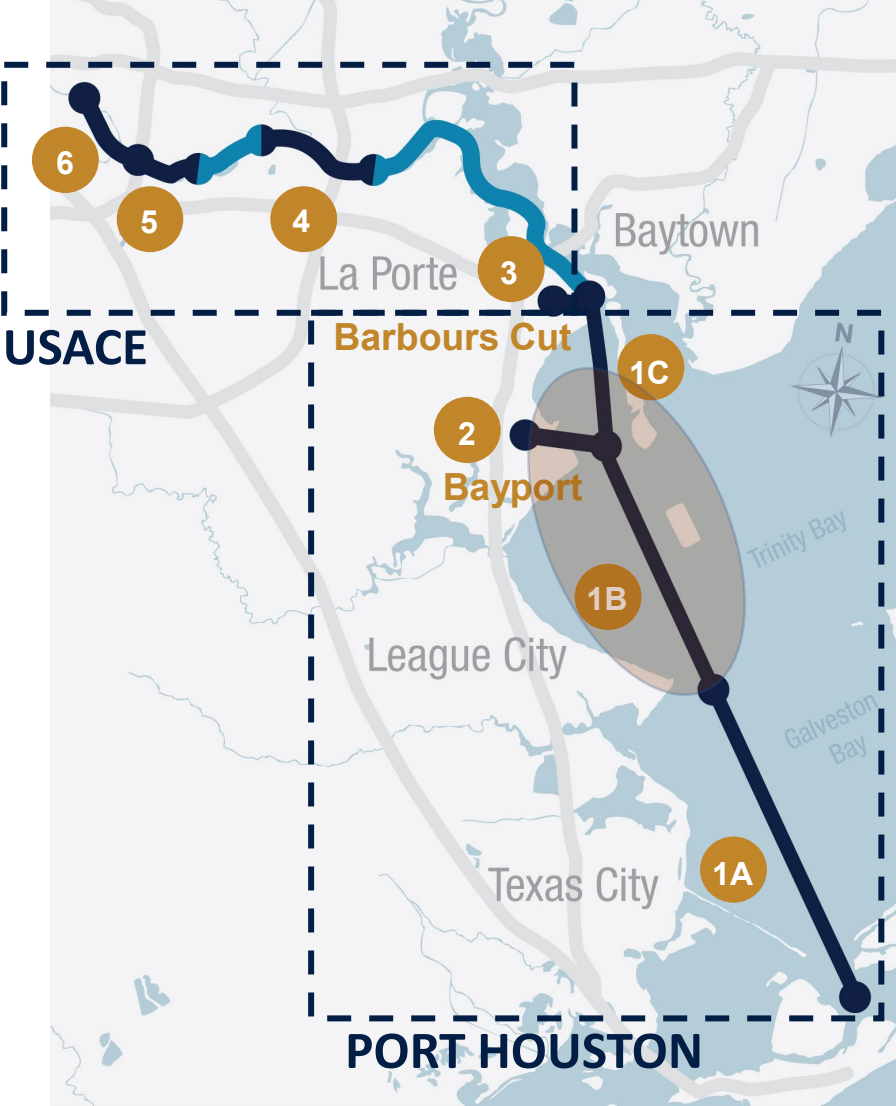
Segment 1B, 2, 1C – Package 4B/5 (Weeks)

Design-Construction Package Update

Advertisement	Construction		Contractor
NOV 2021	PHA	OCT 2022 – DEC 2024	Weeks



**ONGOING. Redfish to Bayport
8.2 MCY Three Bird Island Marsh**



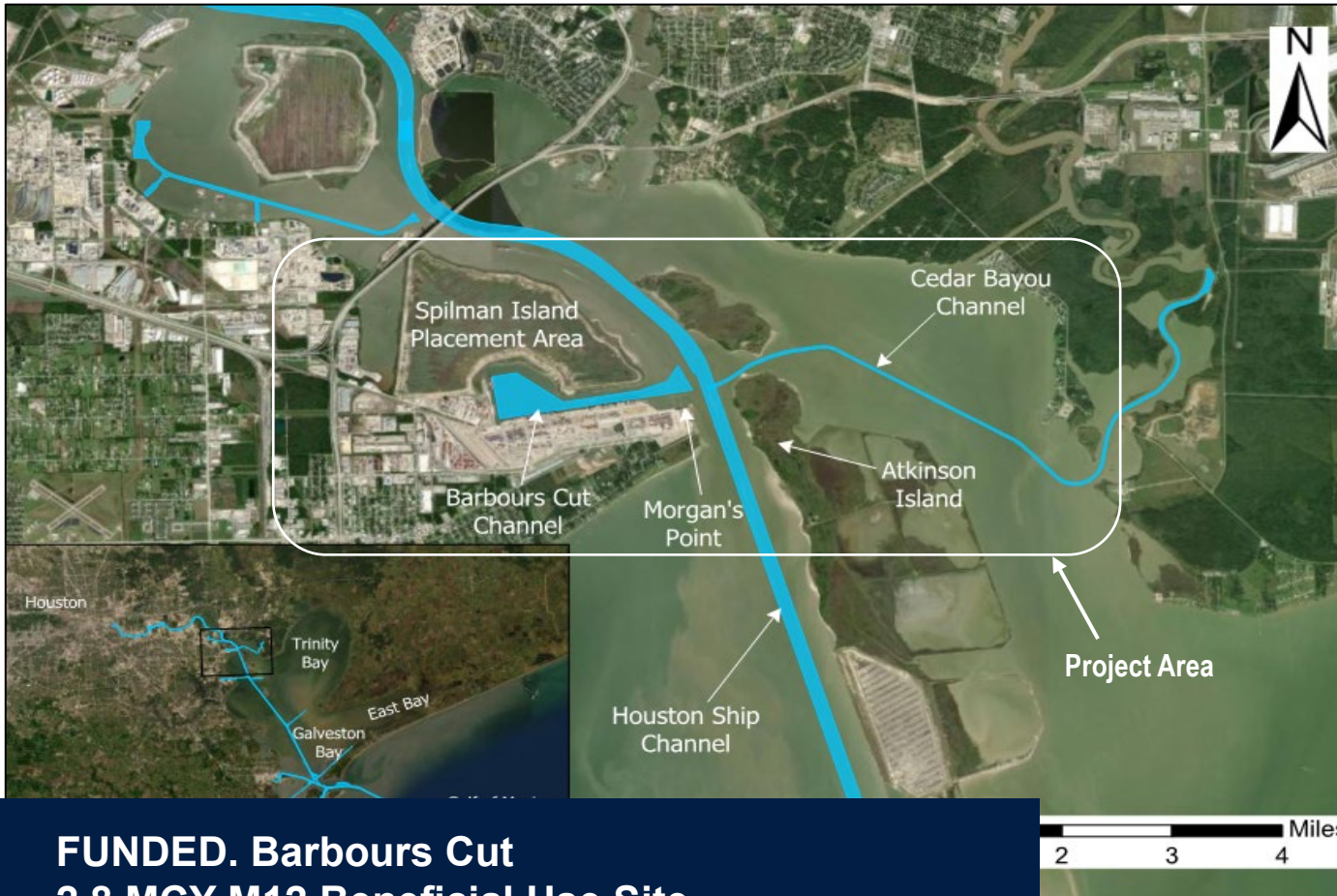
No work planned in these areas



Segment 3 – Package 7

Design-Construction Package Update

Advertisement	Construction		Contractor
JAN 2023	USACE	JUN 2023 – DEC 2025	TBD



**FUNDED. Barbour's Cut
2.8 MCY M12 Beneficial Use Site**



 No work planned in these areas



Segment 3 – Package 7

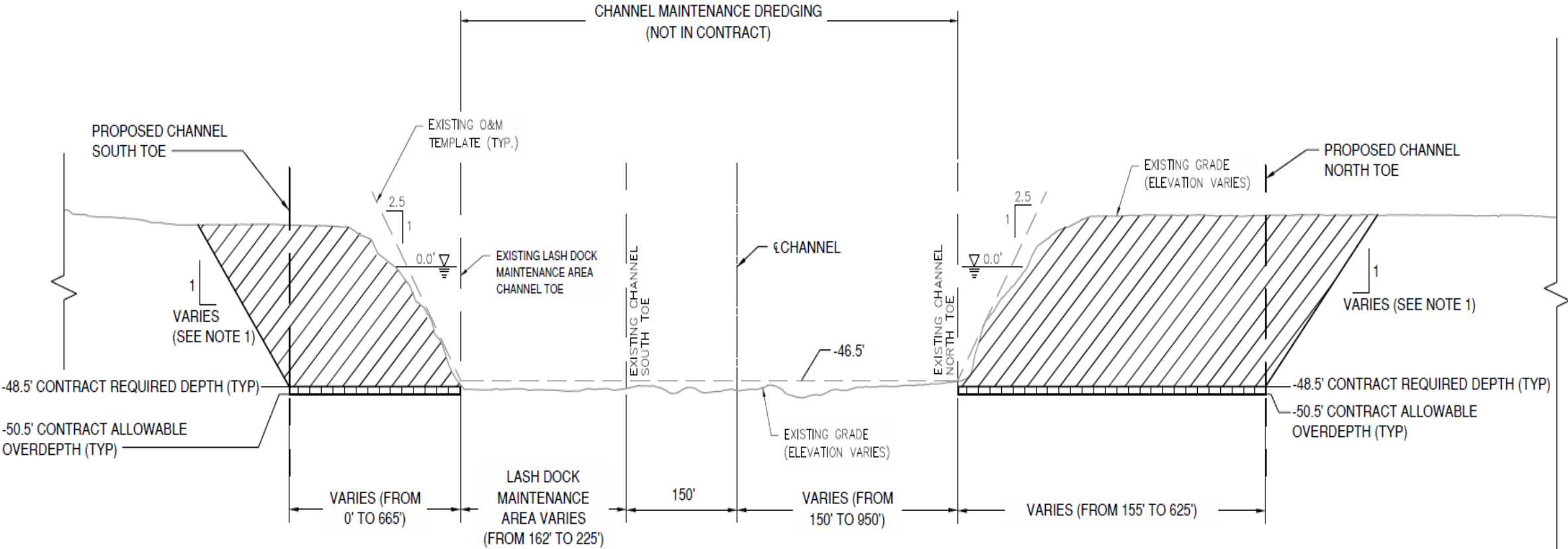
Dredging

- Segment 3 – Barbours Cut Channel
 - Widen channel to 455 ft
 - Turning Basin to 1,800 ft diameter
- New work material
- Debris and demolition
- Flare adjustments – lower wall cost
- Clean Sweep of Cedar Bayou



Segment 3 – Package 7

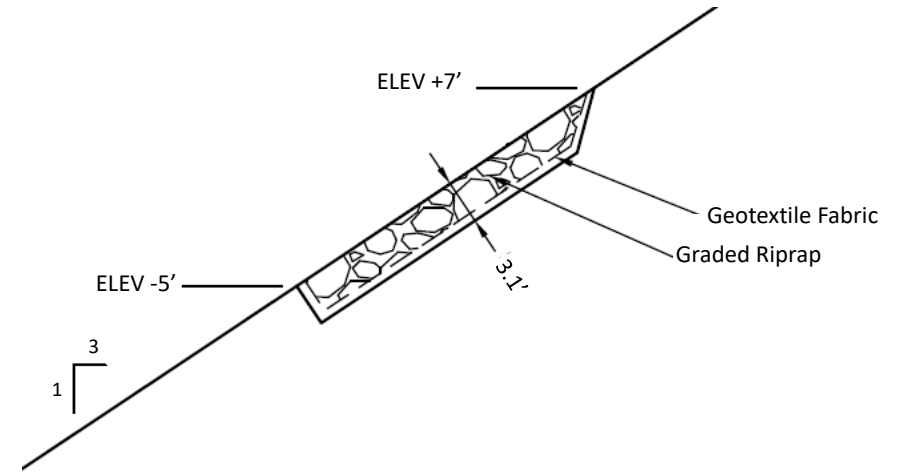
Dredge Template



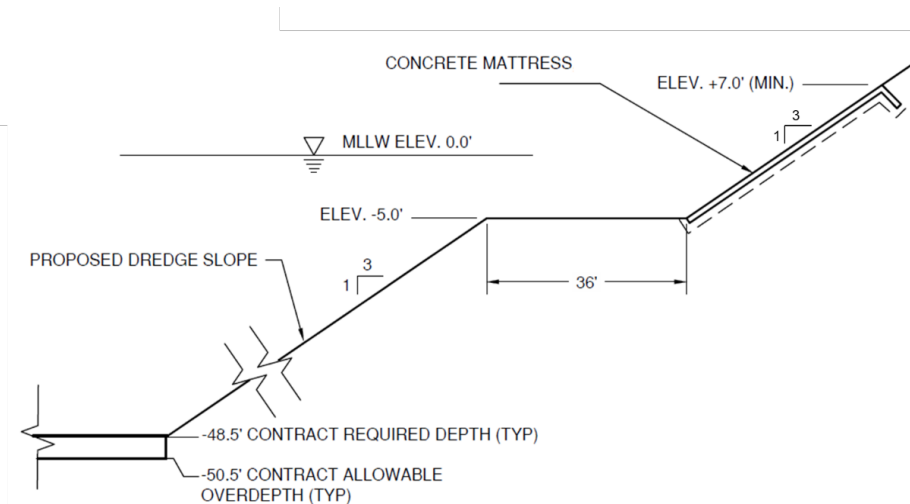
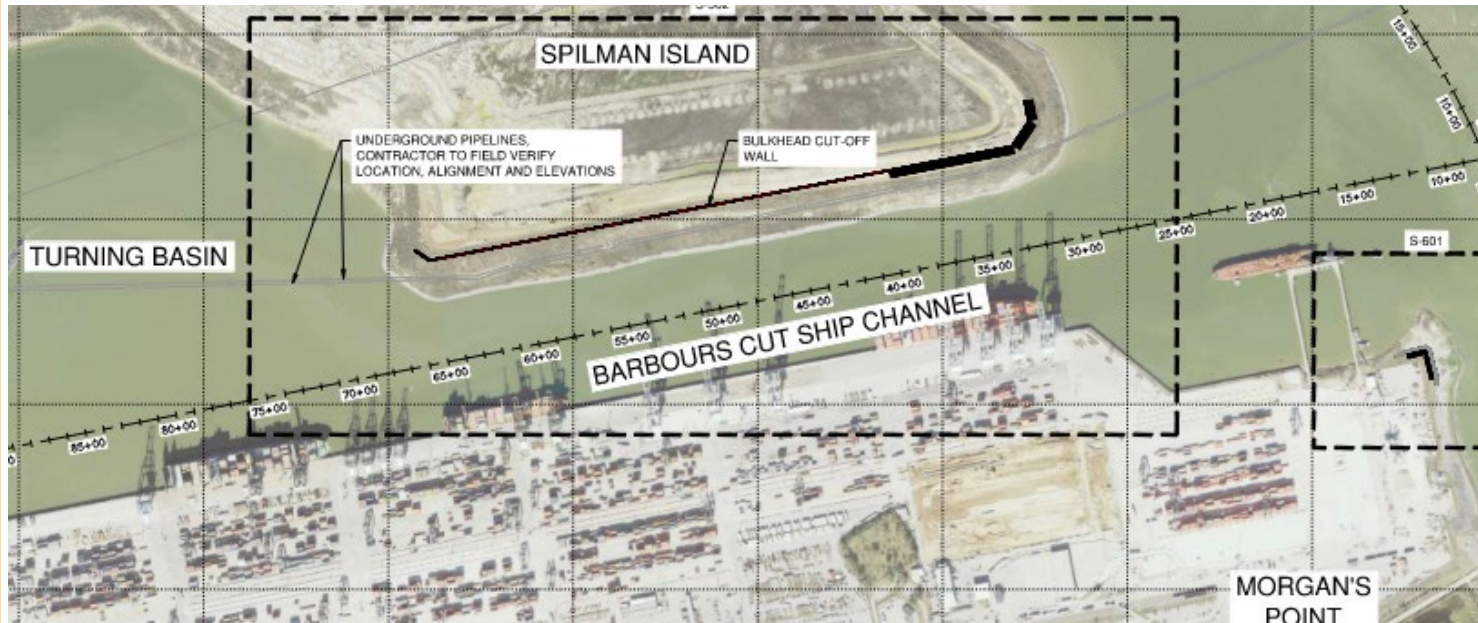
Segment 3 – Package 7

Spilman Island Bulkhead

- Require berm relocation and realignment
- Use existing riprap
- Concrete Mattress (west end of BCC)
- Cantilevered and Anchored Wall
- Existing 24" pipeline relocated following sheetpile wall installation



Spilman Island Revetments



Segment 3 – Package 7

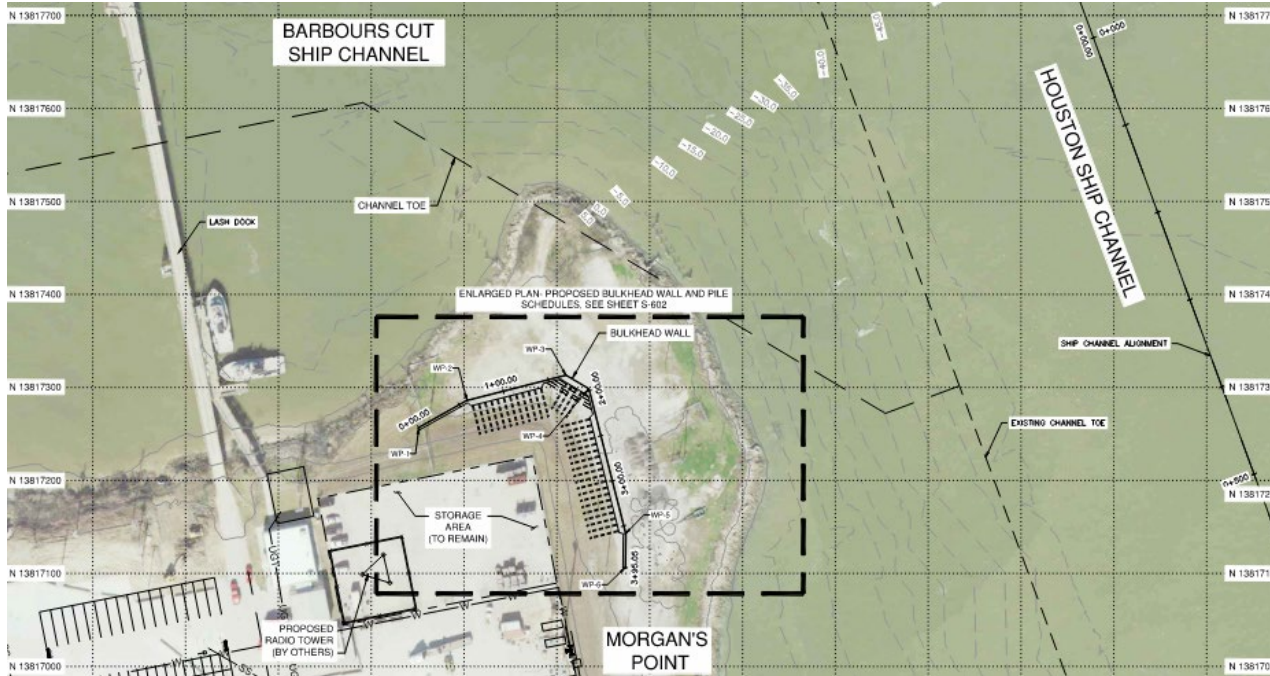
M12 Placement Area

- Dredged material used to create new beneficial use area
- New marsh cell at Atkinson Island (M12)
- Hydraulically place berms
- Internal placement of excess dredged material
- Upland and marsh areas

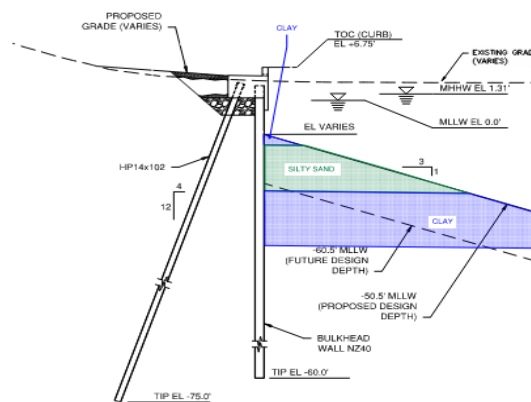
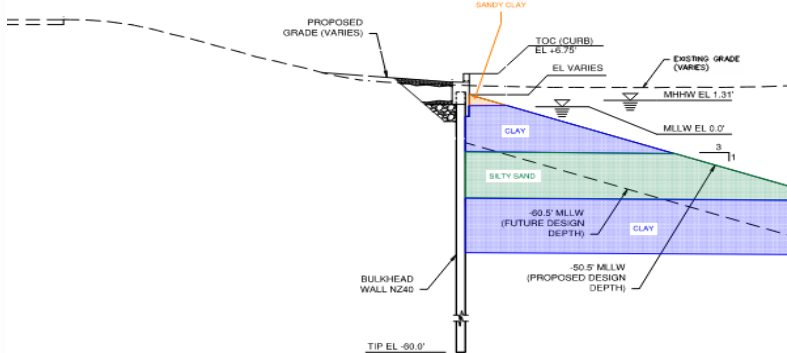
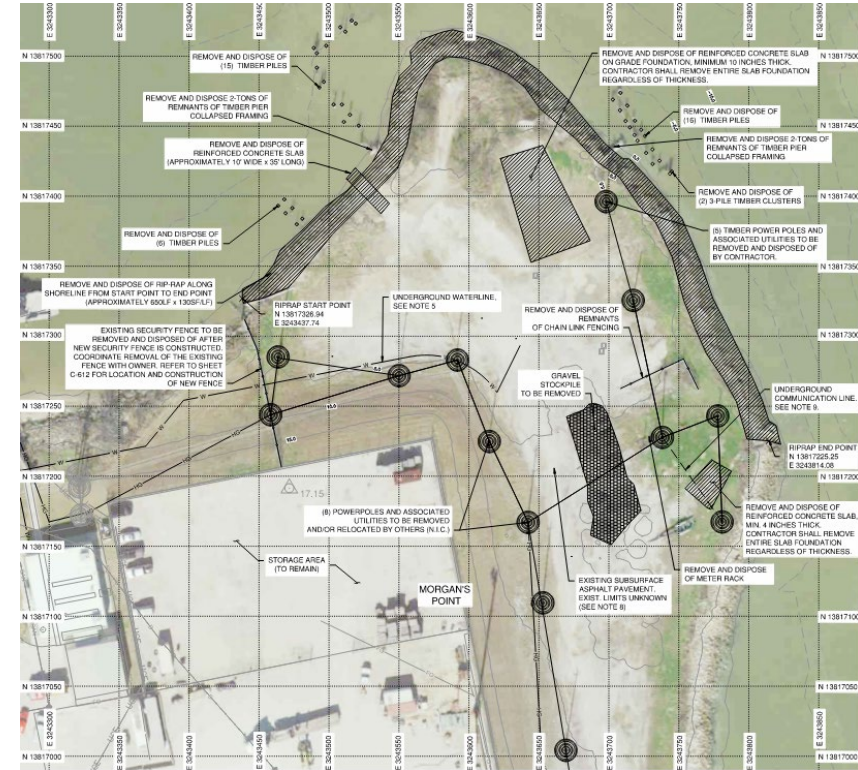


Segment 3 – Package 7

Morgan's Point Bulkhead



Morgan's Point Demolition



A BULKHEAD 1 WALL SECTION
SCALE: 1" = 10'

B BULKHEAD 2 WALL SECTION
SCALE: 1" = 10'

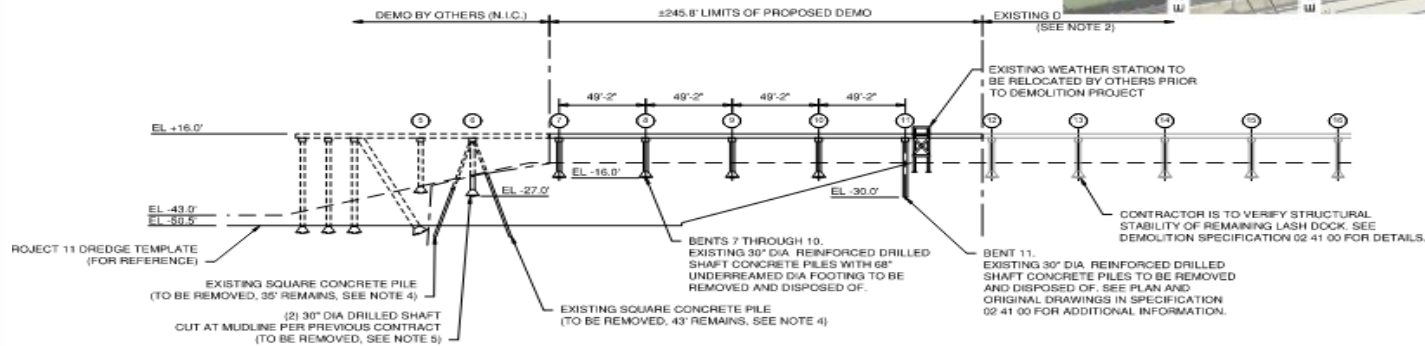
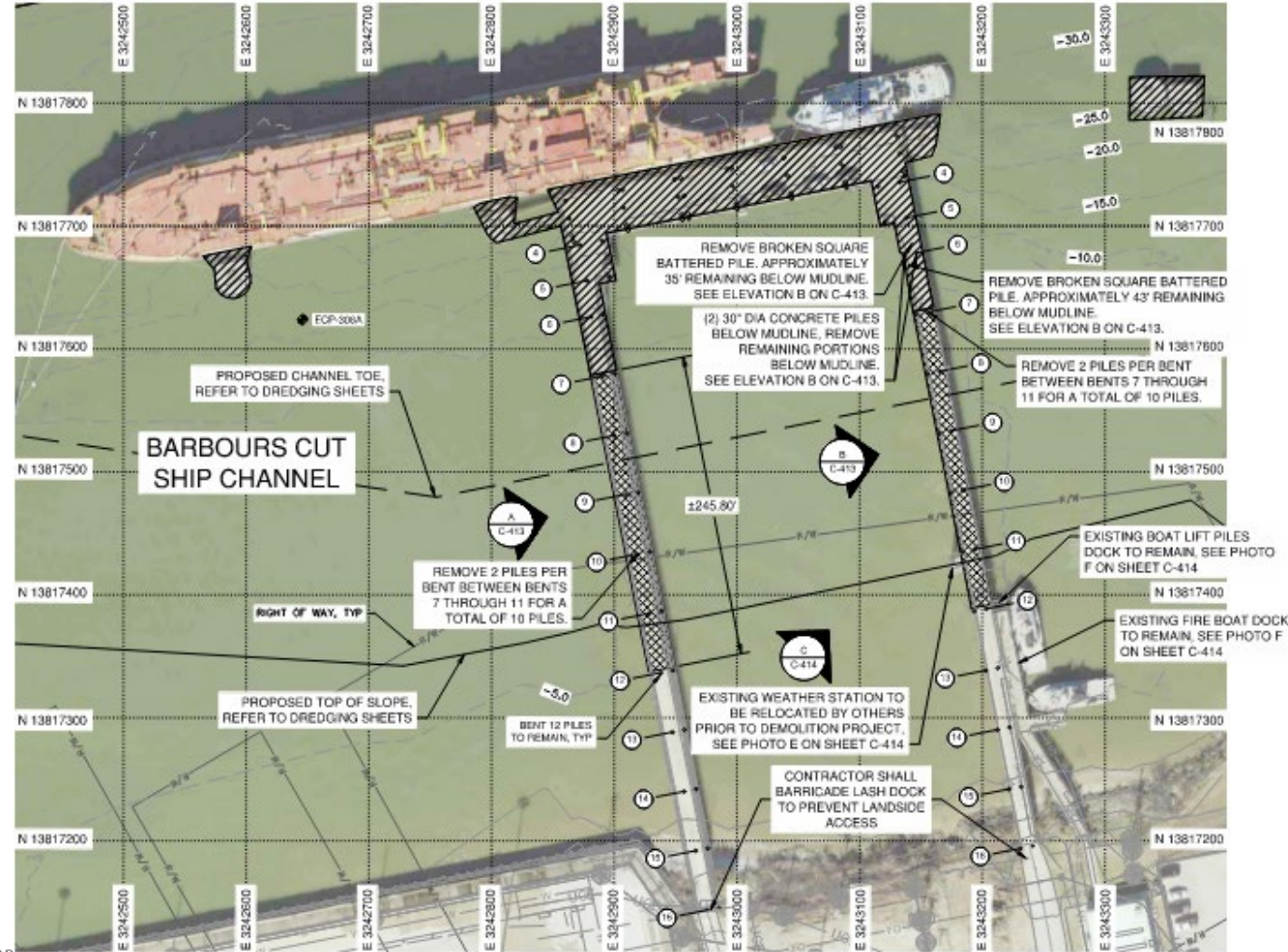
- Existing utilities, timber pier remnants, and existing features for previous buildings
- Required removal for bulkhead wall construction and/or dredge template



Segment 3 – Package 7

Lash Dock Demolition

- Partial demolition was performed in 2020
- A portion of the remaining dock to be demolished for dredge template
- Required relocation of weather station



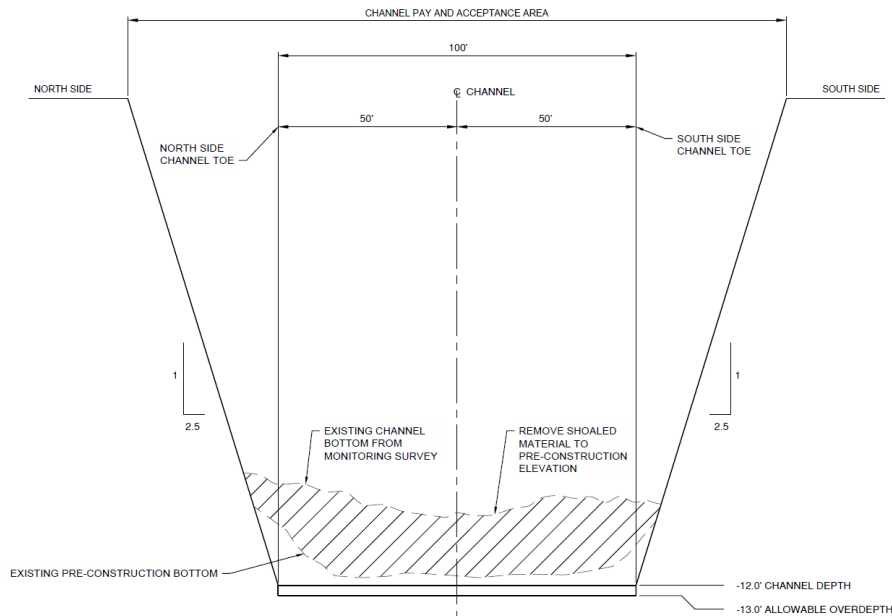
B ELEVATION-LASH DOCK EAST APPROACH
SCALE: 1" = 40'

Segment 3 – Package 7

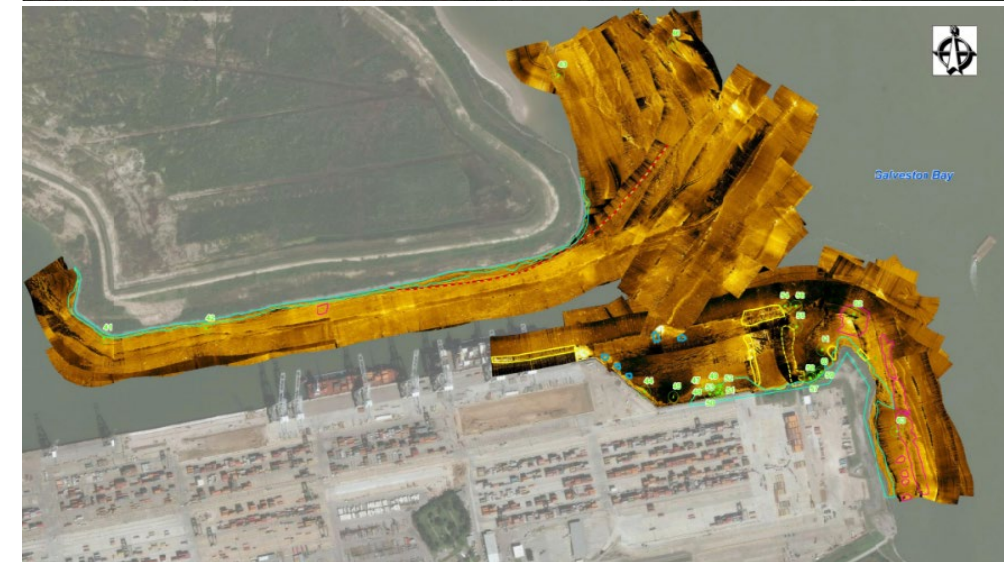
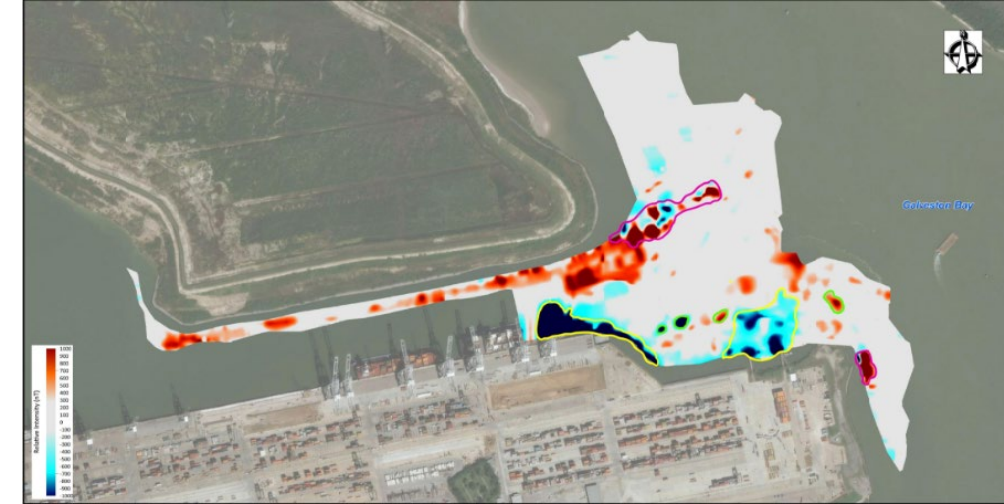
Debris Removal

- Relic infrastructure along channel
- Past projects – historical aerial photos
- Structures at Morgan's Point
- Performed magnetometer/side scan sonar surveys
- Providing information to contractors

Cedar Bayou Sweep



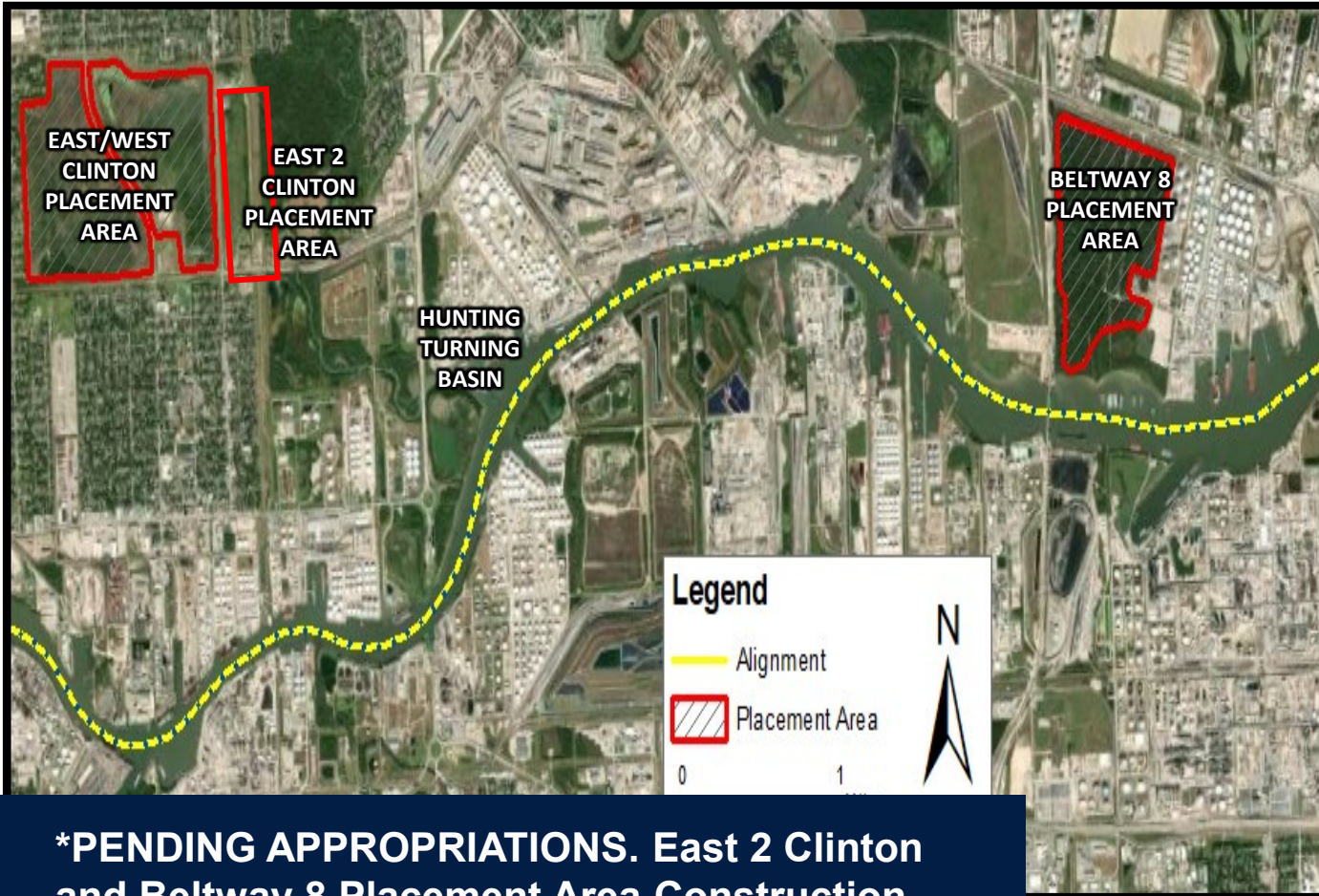
- Potential sedimentation due to berm construction for marsh cell
- Monitoring surveys
- Remove sedimentation from project
- Place within M12



Segment 4 – Package 8

Design-Construction Package Update

Advertisement		Construction		Contractor
APR 2023*		USACE	AUG 2023 – NOV 2024*	TBD



***PENDING APPROPRIATIONS. East 2 Clinton and Beltway 8 Placement Area Construction**



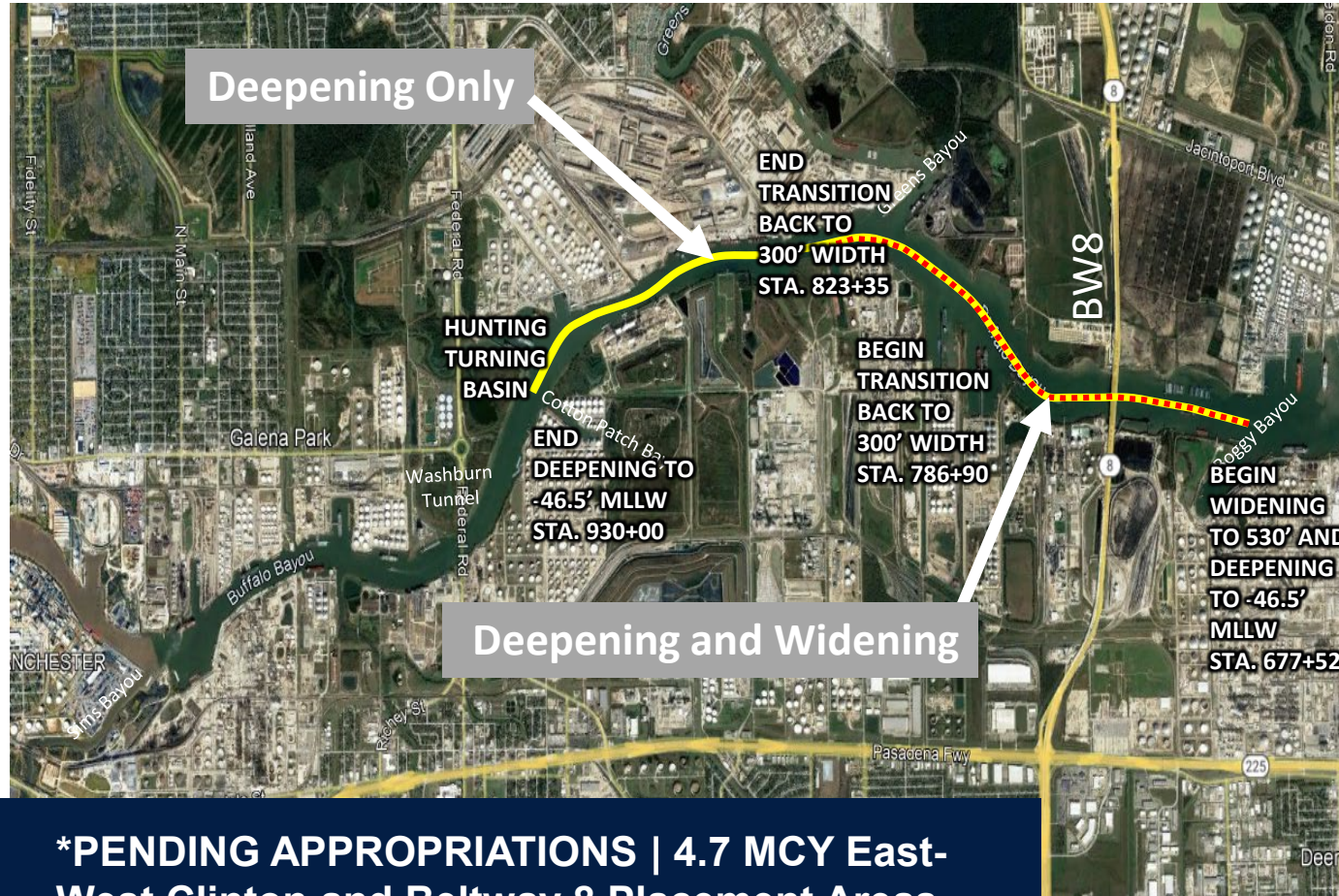
 No work planned in these areas



Segment 4 – Package 9

Design-Construction Package Update

Advertisement		Construction		Contractor
JUN 2024*		USACE	NOV 2024 – NOV 2025*	TBD



***PENDING APPROPRIATIONS | 4.7 MCY East-West Clinton and Beltway 8 Placement Areas**



 No work planned in these areas



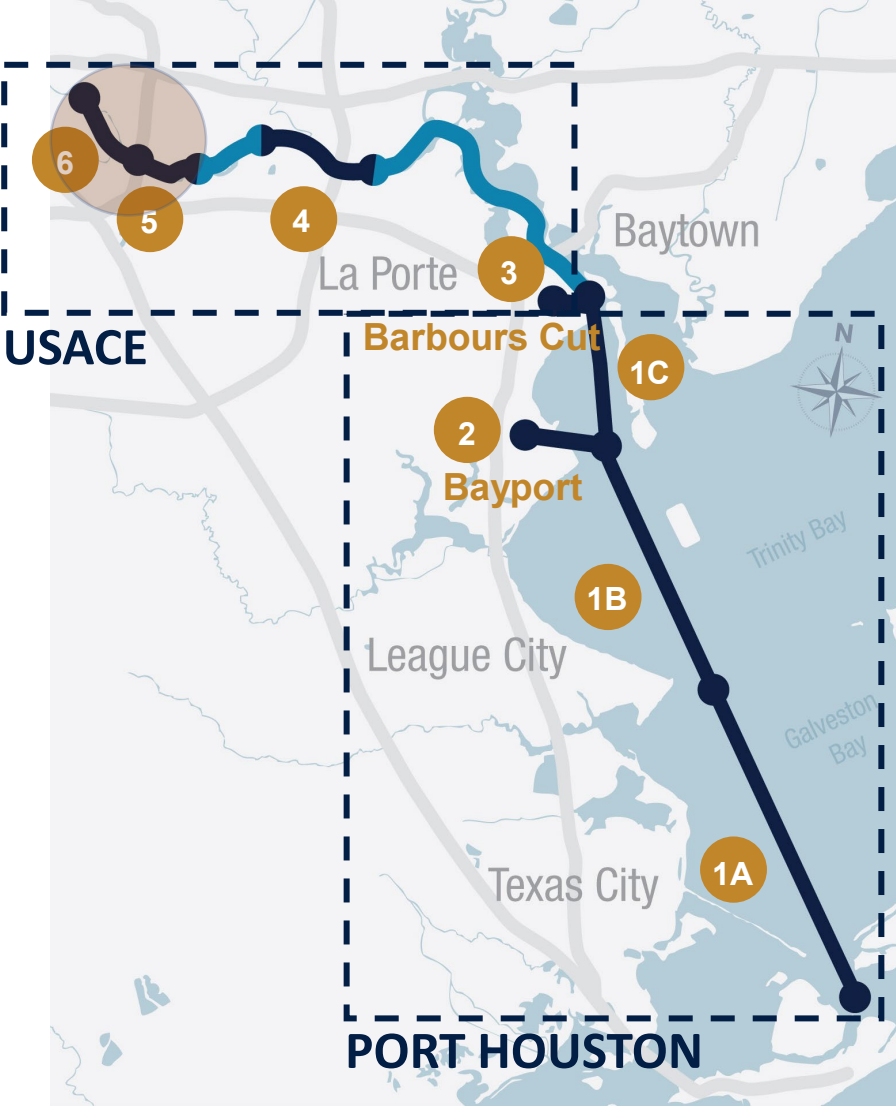
Segment 5, 6 – Package 10-12

Design-Construction Package Update

Advertisement	Construction		Contractor
DEC 2024*	PHA	MAR 2025 – DEC 2025*	TBD



***PENDING APPROPRIATIONS. 1 MCY Glendale and Filter Bed Placement Areas/Channel Dredging**



 No work planned in these areas



QUESTIONS?

Visit the Project 11 Webpage
<https://www.expandthehoustonshipchannel.com/>

Email the Project 11 Team
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