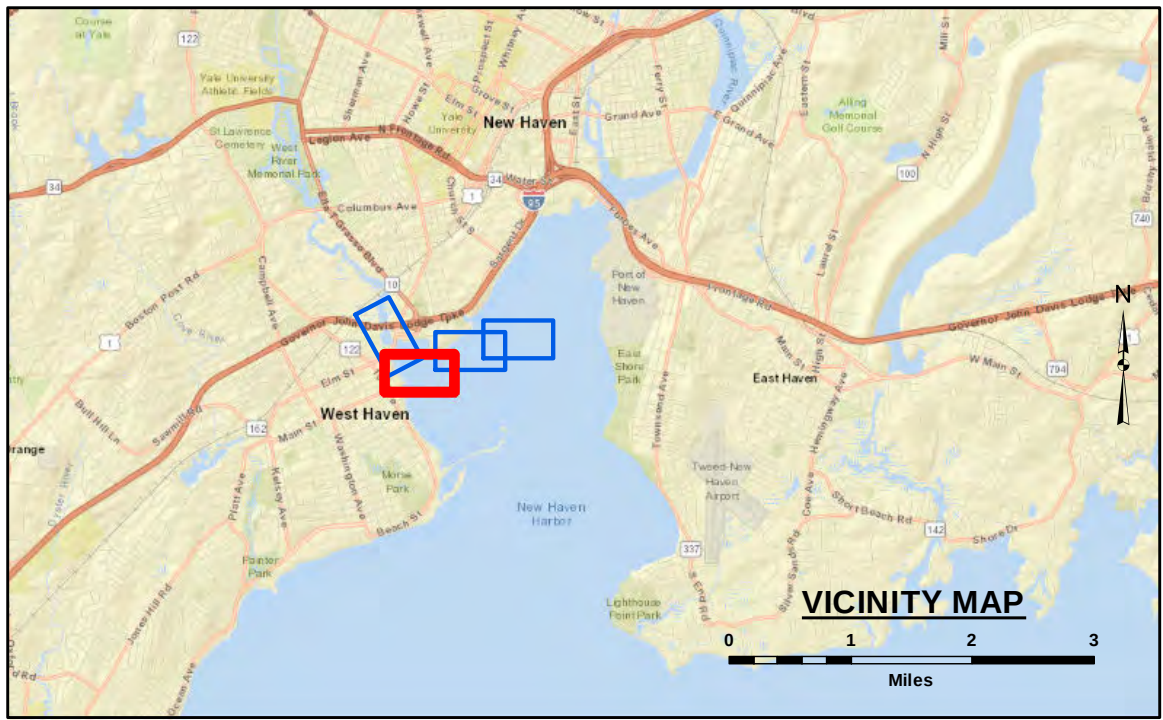
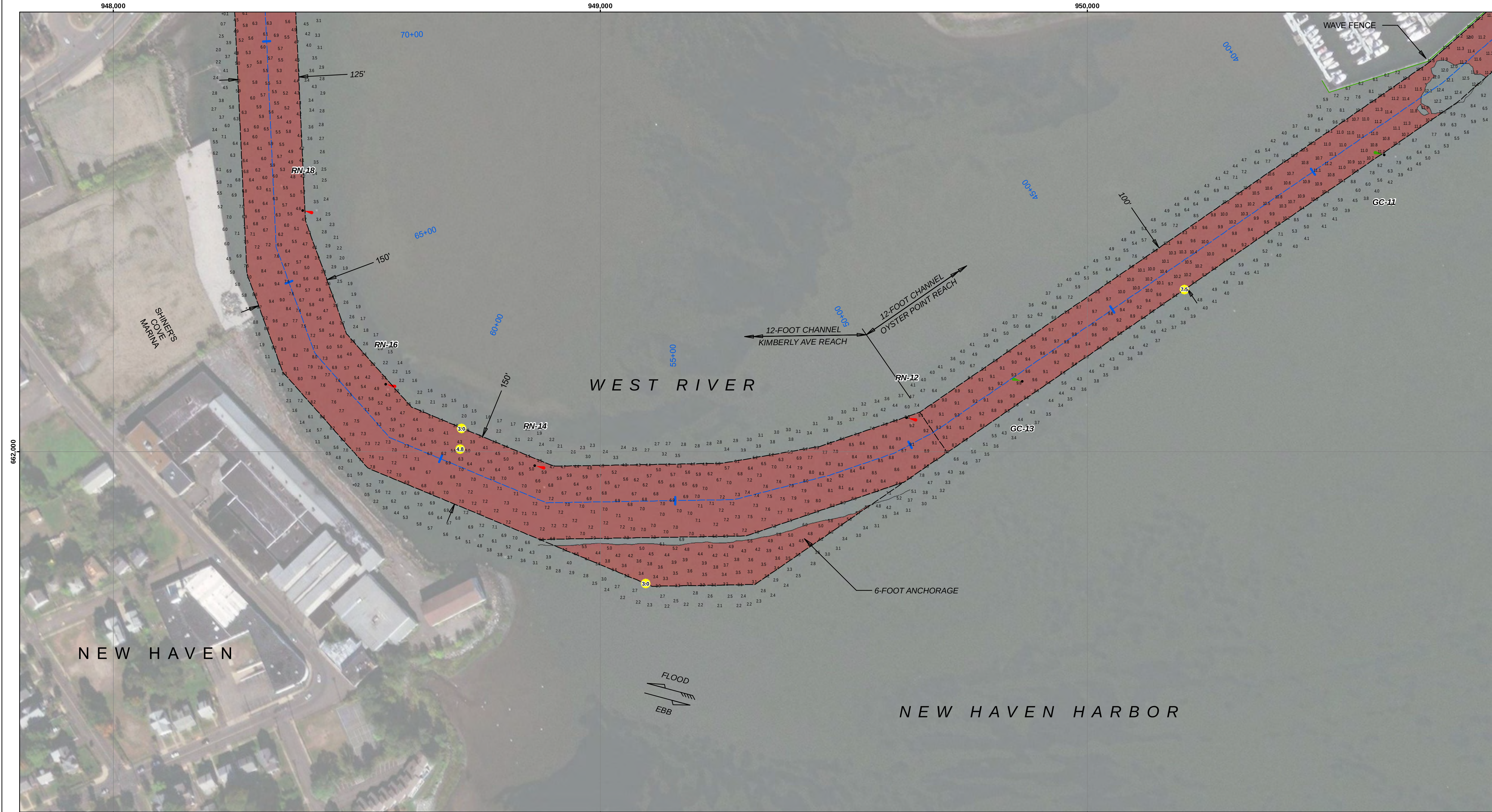




LEGEND

Federal Navigation Channel

Channel Center Line

Cable or Pipeline Area

Contour Line

Marine Infrastructure*

✕

Fixed Navigation Aids

✕

Obstruction Point*

●

Red Navigation Buoy

●

Green Navigation Buoy

■

Shoaling Area

●

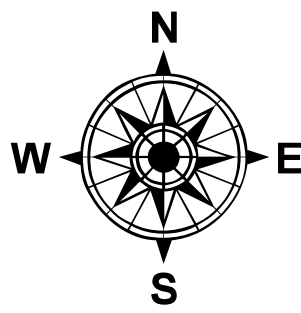
Shoalest Sounding**

** Shoalest Sounding per Quarter per Reach
* Present at Time of Survey

GRAPHIC SCALE

1" = 100'

0 100 200 Feet



Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: Fish Tale (2017)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4316A
Survey No.: CT_22_NHH_20200901_CS_055
Reference NOAA Chart No.: 12371

The information depicted on these charts represents the results of surveys made on the dates indicated, and can only be considered as indicating the conditions existing at that time.

General Notes
The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2020. The sounding information depicted on this map represents the results of surveys made on the dates indicated and can only be considered as indicating the conditions existing at that time. The positions of aids to navigation were located during survey operations, are provided for information only and should not be used for navigation. Orthomagery is from a variety of sources and dates and is intended to portray general characteristics of the shoreline and other features. Temporal changes may have occurred since this dataset was collected and some parts may no longer be an accurate representation of the conditions. The information depicted on this map should NOT be used to determine volumes as volumes are determined from more sounding information than shown.

Project Remarks
Marine infrastructure within federal navigation project limits, surveyed with Lidar.

Water Level Information
Tides were recorded using RTK GPS. The MLLW to NAVD88 correction used for this project is 3.61 feet. This correction was referenced from NOAA's V-Datum Model Version 3.9, NY/CT/RI Region Version 2.2 in the vicinity of West River, New Haven, Connecticut. NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project. The average range of tide is 6.2 feet.



DISCLAIMER
The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the data are not to be used for any purpose other than that for which they were furnished. The use of the data for any other purpose is at the user's risk. The user is responsible for the results of any use of the data for any other purpose than that for which they were furnished. The user is responsible for the results of any use of the data for any other purpose than that for which they were furnished. The user is responsible for the results of any use of the data for any other purpose than that for which they were furnished.

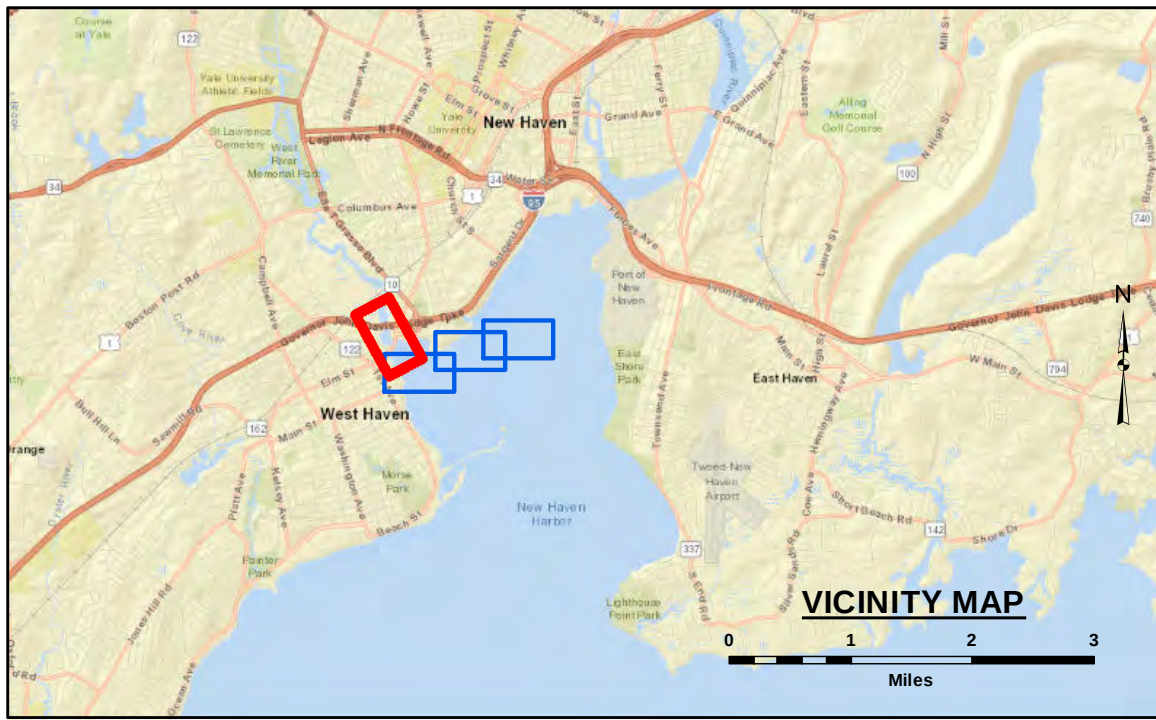
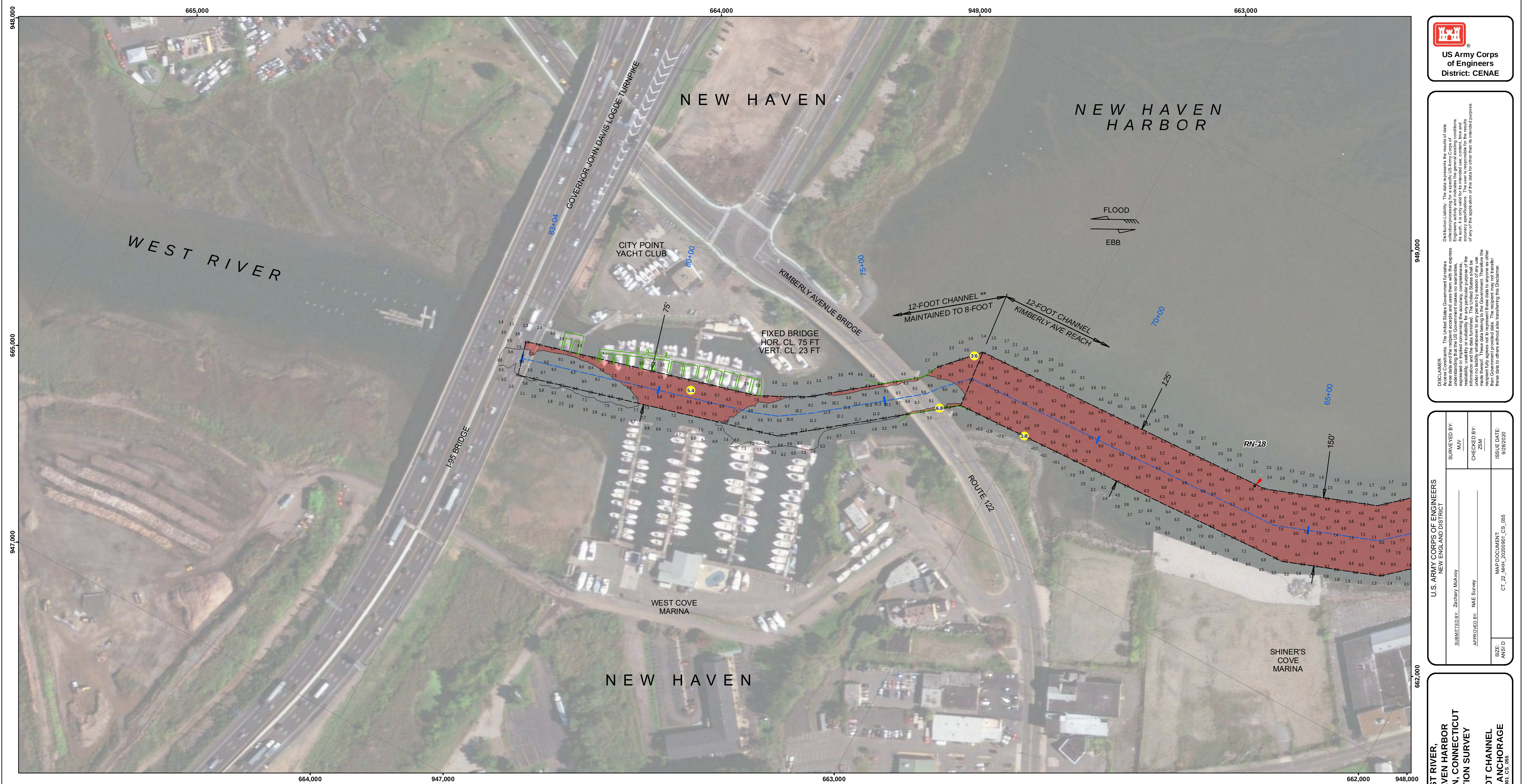
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SUBMITTED BY: MAV		CHECKED BY: ZSM		ISSUE DATE: 9/28/2020	
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		APPROVED BY: NAE Survey		WAP DOCUMENT: CT_22_NHH_20200901_CS_055		SIZE ANSI D	

**WEST RIVER,
NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
CONDITION SURVEY**

**12-FOOT CHANNEL
6-FOOT ANCHORAGE**

File Name: CT_22_NHH_20200901_CS_055

**SHEET
IDENTIFICATION**
New Haven Harbor,
West River
Sheet 3 of 4



LEGEND

--- Federal Navigation Channel

--- Channel Center Line

..... Cable or Pipeline Area

--- Contour Line

--- Marine Infrastructure*

✖ Fixed Navigation Aids

✖ Obstruction Point*

🚩 Red Navigation Buoy

🚩 Green Navigation Buoy

🔴 Shoaling Area

🟡 Shoalest Sounding**

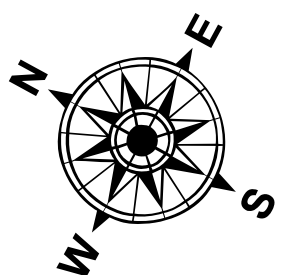
** Shoalest Sounding per Quarter per Reach

* Present at Time of Survey

GRAPHIC SCALE

1" = 100'

0 100 200 Feet



Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
Distance Units: U.S. Survey Feet
Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: CELESTIAL
Sonar System: R2 Sonic 2024 (Multibeam Sonar)
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Field Books: R&H 4316A
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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT	SURVEYED BY: MAV	CHECKED BY: ZSM	ISSUE DATE: 9/28/2020
	SUBMITTED BY: Zachary McAvoy	APPROVED BY: NAE Survey	MAP DOCUMENT: CT_22_NHH_20200901_CS_055
SIZE ANSI D			

**WEST RIVER,
NEW HAVEN HARBOR
NEW HAVEN, CONNECTICUT
CONDITION SURVEY**

**12-FOOT CHANNEL
6-FOOT ANCHORAGE**

File Name: CT_22_NHH_20200901_CS_055

**SHEET
IDENTIFICATION**
New Haven Harbor,
West River
Sheet 4 of 4