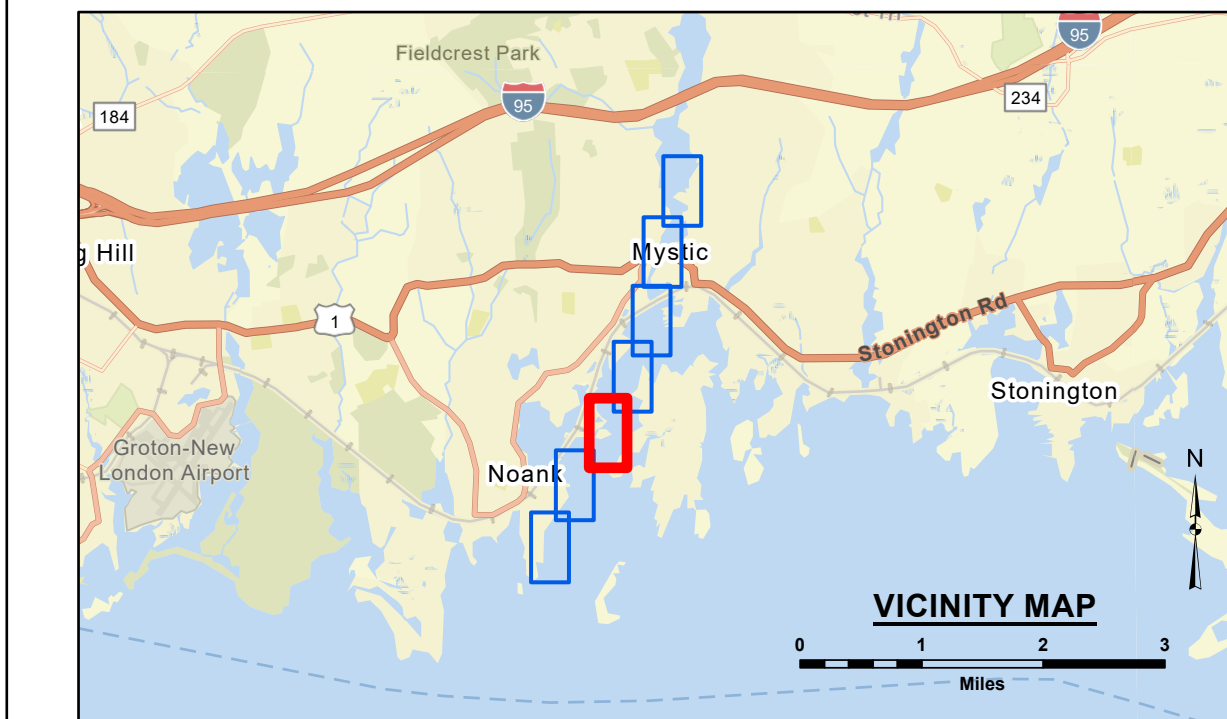
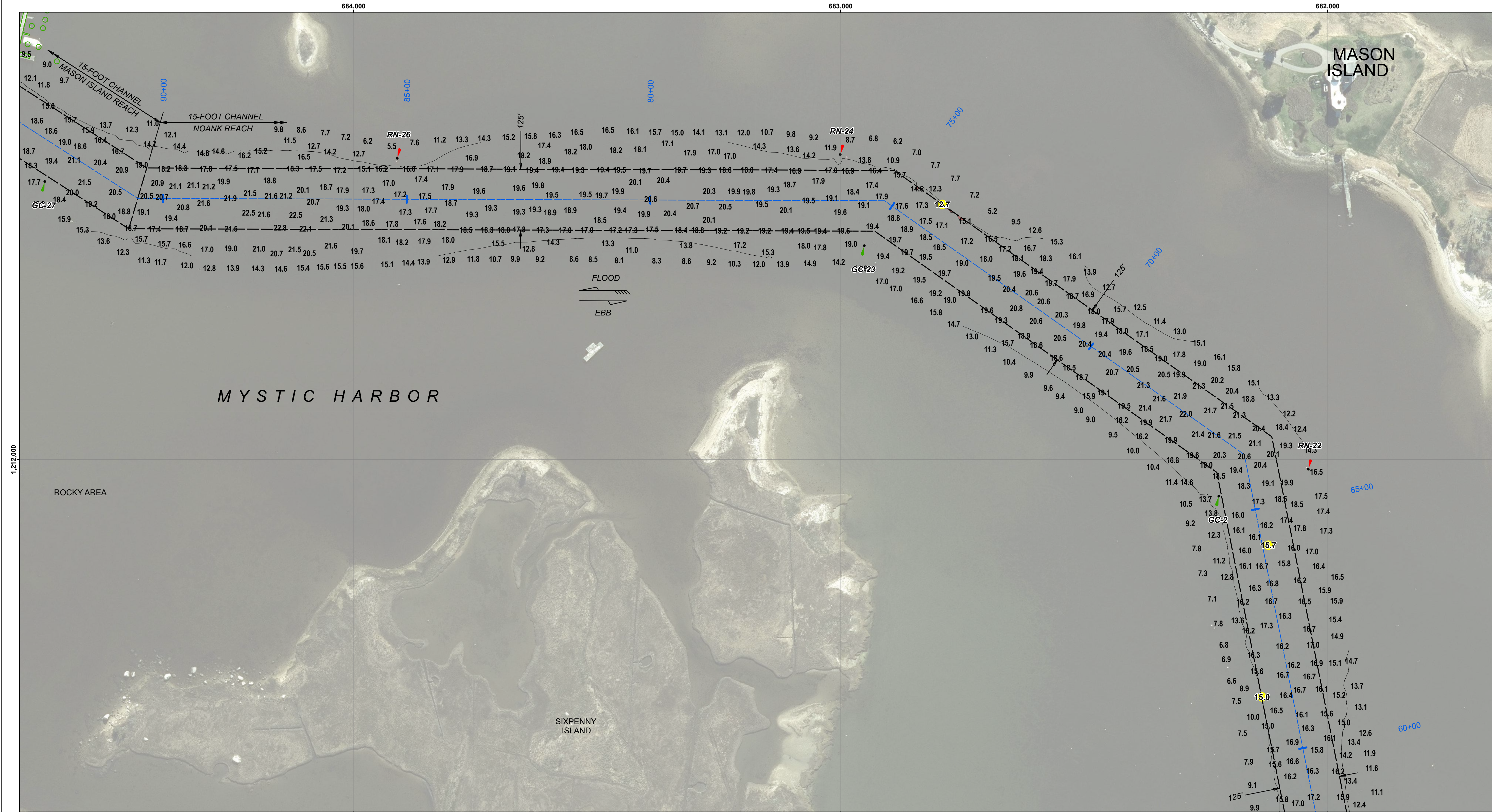




LEGEND

--- Federal Navigation Channel

..... Cable or Pipeline area

- - - Channel Center Line

— Contour Line

— Marine Infrastructure*

○ Dock Pile or Dolphin *

✱ Fixed Navigation Aids

✱ Obstruction Point

! Red Navigation Buoy

! Green Navigation Buoy

■ Shoaling Area

● Shoalest Sounding**

1" = 100'

GRAPHIC SCALE

0 100 200 Feet

** Shoalest Sounding per Quarter per Reach

* Present at Time of Survey

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: MRM2 (2020)
Software Used: Hypack
Sounding Sort Distance: 30'
Field Books: R&H 4982
Survey No.: CT_02_MYC_20241106_CS_064
Reference NOAA Chart No.: ENC US5CT1FX, US5NY2JL

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.

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Project Remarks
Lidar data included with sounding data. Shown marine infrastructure was collected in 2020 and confirmed present at time of this survey.

Water Level Information
Tides were recorded using RTK GPS. NAVD88 to MLLW corrections were logged utilizing NOAA's V-Datum regional model Connecticut/Rhode Island Version 4.4. The correction in the project area is 1.82 feet. MLLW is below NAVD88; therefore, the correction should be added to NAVD88 to convert to MLLW (e.g. -10 NAV88 = -8 MLLW when using a 2-foot correction). The mean range of tide is 2.50 feet.

US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT				
SUBMITTED BY: Zachary McAvoy	SURVEYED BY: MAV		ISSUE DATE: 11/13/2024	
	CHECKED BY: BTM			
APPROVED BY: NAE Survey		NAE DOCUMENT CT_02_MYC_20241106_CS_064		
SIZE A1SD				

MYSTIC RIVER
MYSTIC, CONNECTICUT
CONDITION SURVEY

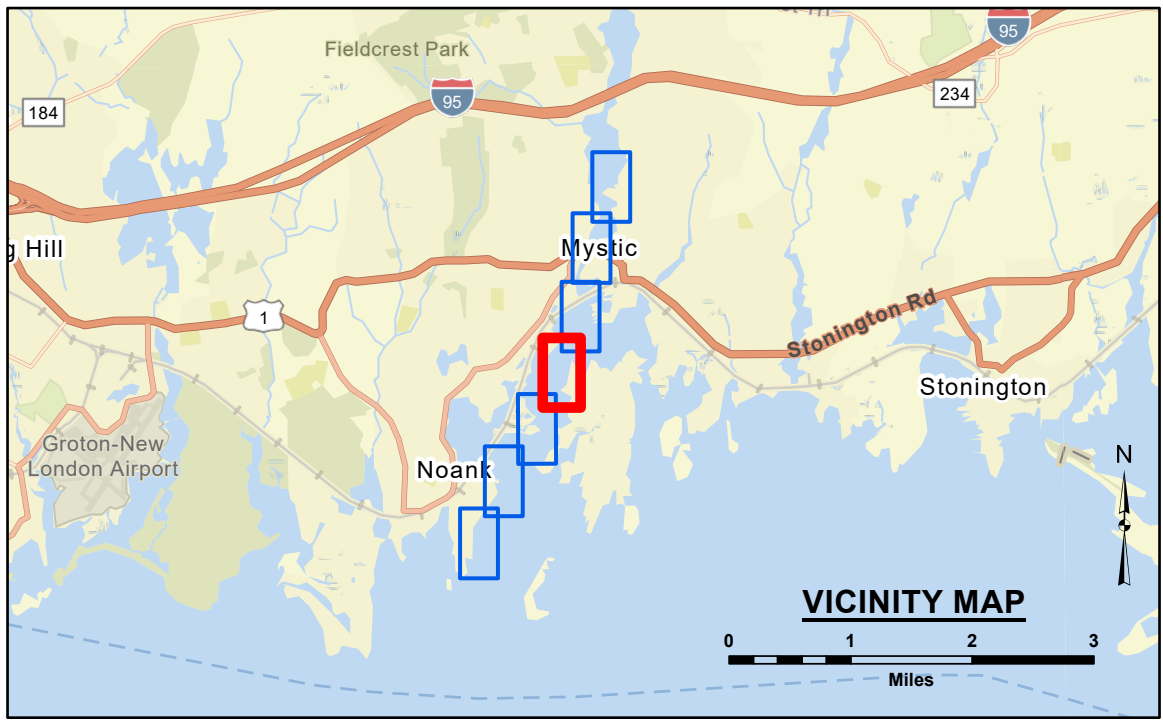
15 AND 12-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN

File Name: CT_02_MYC_20241106_CS_064

SHEET
IDENTIFICATION
Mystic River

Sheet 3 of 7

Revision Number: 5.24.09.03-5.24.09.03



LEGEND

--- Federal Navigation Channel

..... Cable or Pipeline area

- - - Channel Center Line

— Contour Line

— Marine Infrastructure*

○ Dock Pile or Dolphin *

✱ Fixed Navigation Aids

⊗ Obstruction Point

! Red Navigation Buoy

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0 100 200 Feet

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

Notes:

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Vertical Datum: MLLW
Depth Units: U.S. Survey Feet
Vessel Name: Celestial
Soner System: R2 Sonic 2024 (Multibeam Sonar)
Sounding Frequency: 300 kHz
Survey Method: RTK GPS TIDES
GPS System: Trimble SPS 855 (RTK)
RTK Base Station: MRM2 (2020)
Software Used: Hypack
Sounding Sort Distance: 30'
Field Books: R&H 4982
Survey No.: CT_02_MYC_20241106_CS_064
Reference NOAA Chart No.: ENC US5CT1FX, US5NY2JL

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U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT		SURVEYED BY: MAV		CHECKED BY: BTM		ISSUE DATE: 11/13/2024	
SUBMITTED BY: Zachary McAvoy		APPROVED BY: NAE Survey		MAP DOCUMENT CT_02_MYC_20241106_CS_064		SIZE ANSI D	

**MYSTIC RIVER
MYSTIC, CONNECTICUT
CONDITION SURVEY**

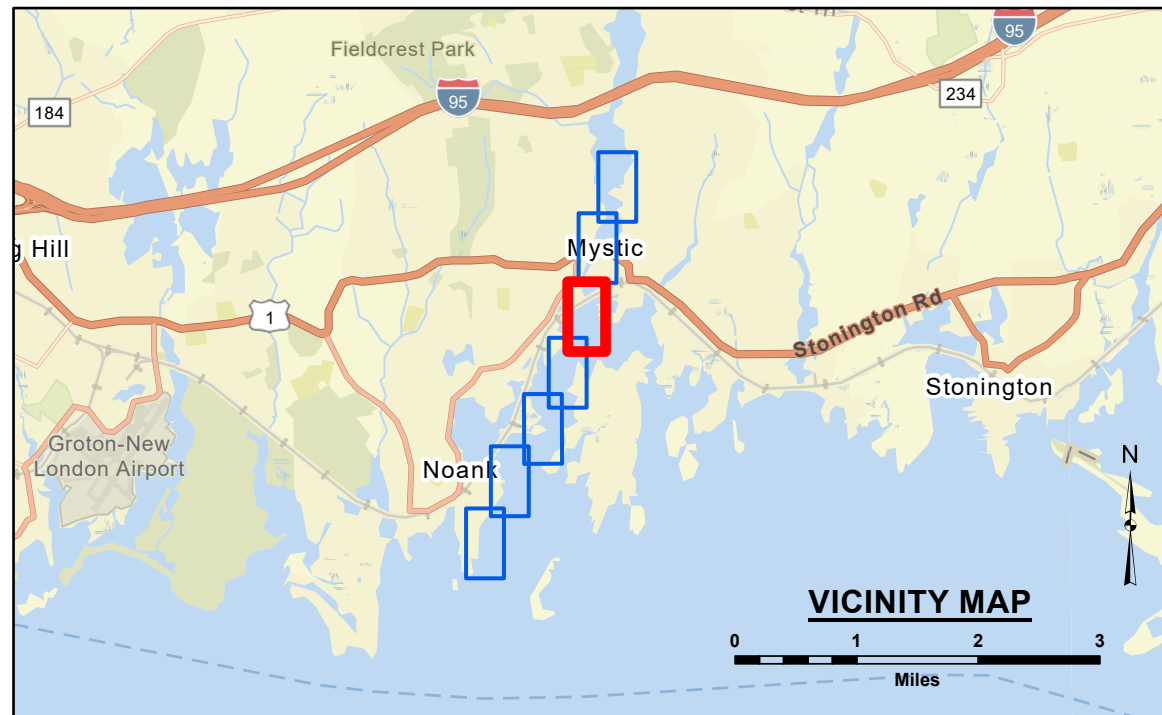
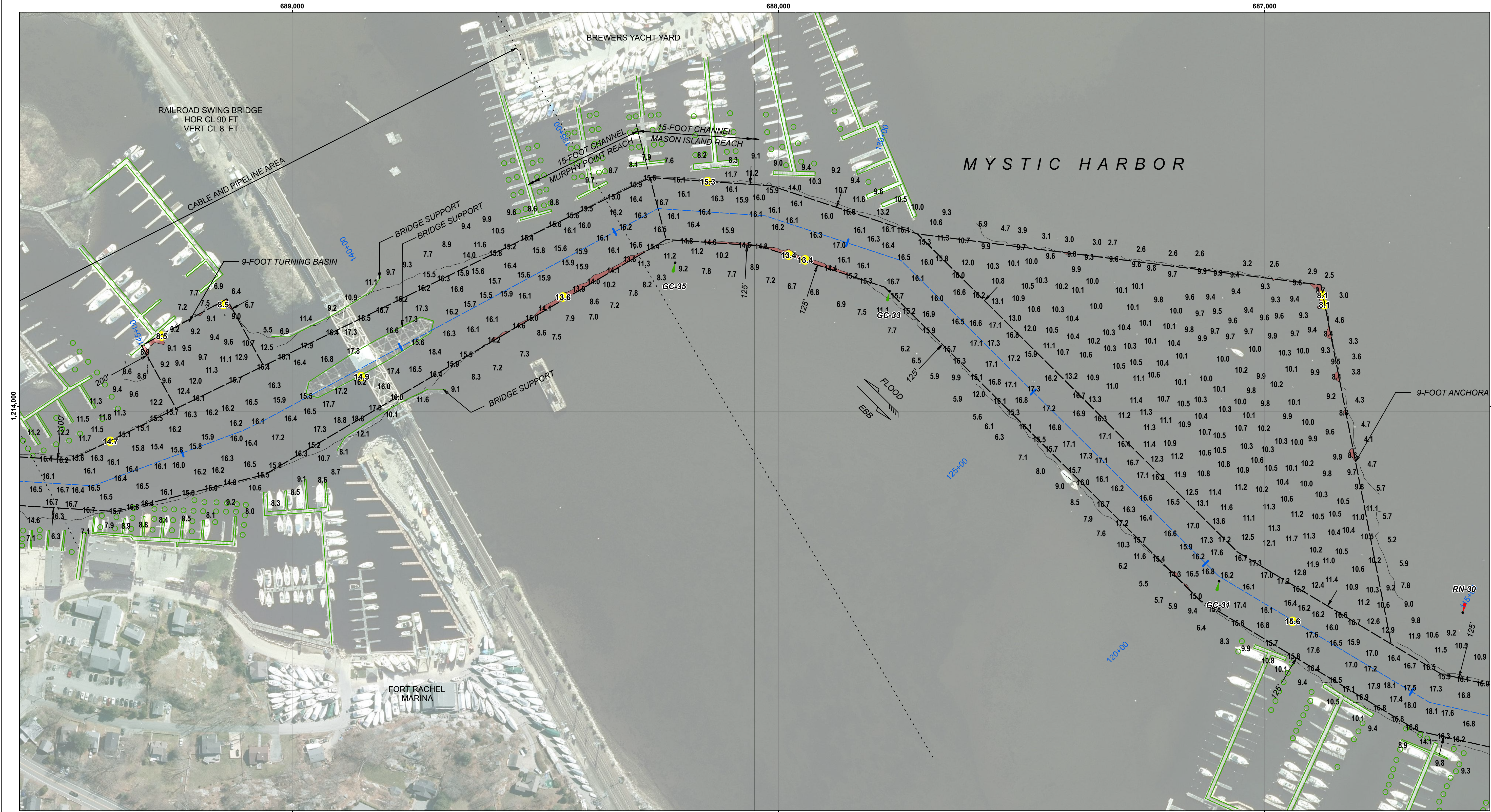
**15 AND 12-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN**

File Name: CT_02_MYC_20241106_CS_064

**SHEET
IDENTIFICATION**
Mystic River

Sheet 4 of 7

Revision Number: 5.24.09.03-5.24.09.03



LEGEND

--- Federal Navigation Channel

..... Cable or Pipeline area

- - - Channel Center Line

— Contour Line

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** Shoalest Sounding per Quarter per Reach
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Notes:
Horizontal Datum: Connecticut, CT-0600 NAD 83
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Reference NOAA Chart No.: ENC US5CT1FX, US5NY2JL

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	SUBMITTED BY: Zachary McAvoy	APPROVED BY: NAE Survey	MAP DOCUMENT CT_02_MYC_20241106_CS_064
	SIZE A1/D		

**MYSTIC RIVER
MYSTIC, CONNECTICUT
CONDITION SURVEY**

**15 AND 12-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN**

File Name: CT_02_MYC_20241106_CS_064

**SHEET
IDENTIFICATION**
Mystic River

Sheet 5 of 7

Revision Number: 5.24.09.03-5.24.09.03

