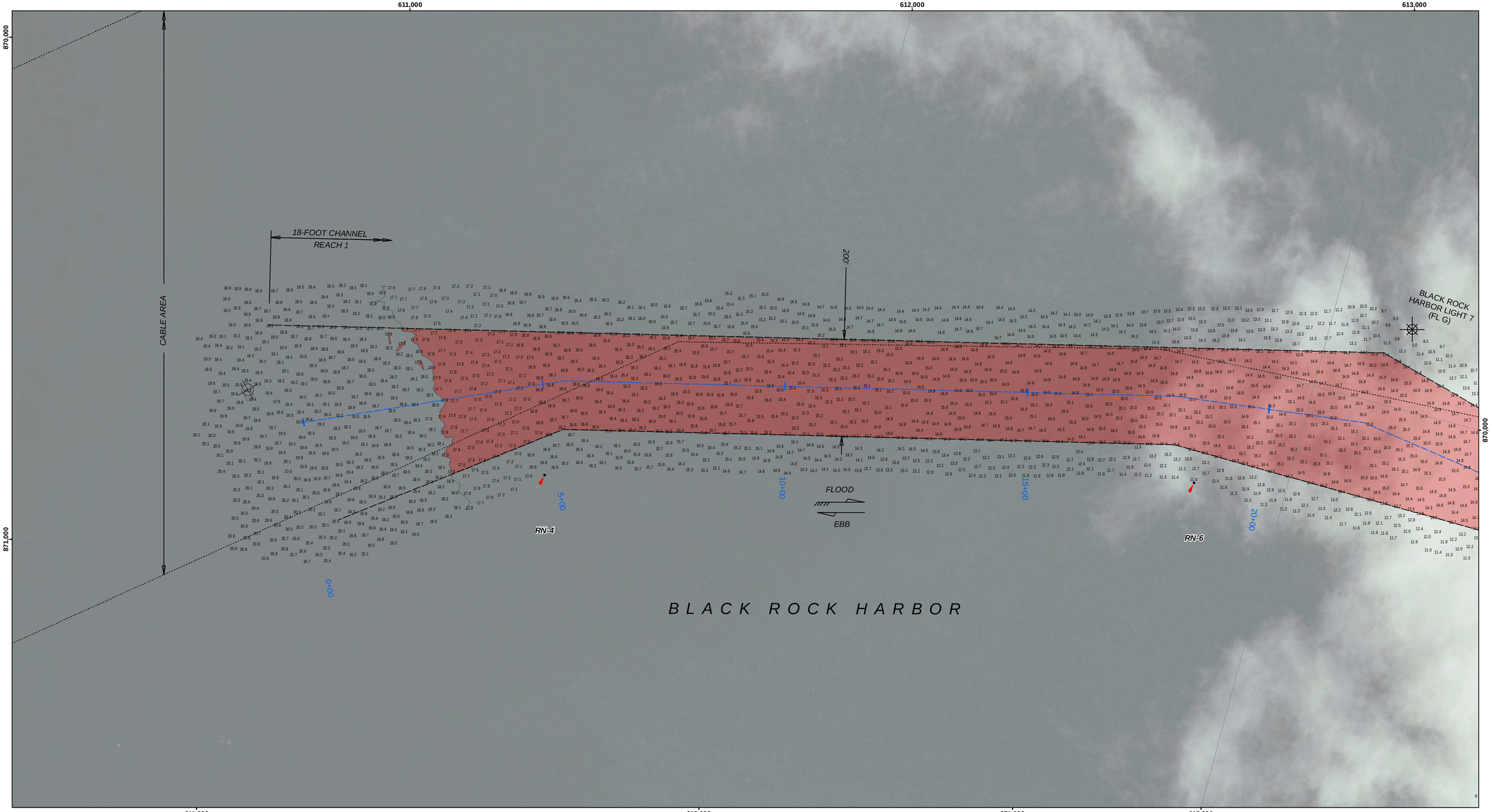

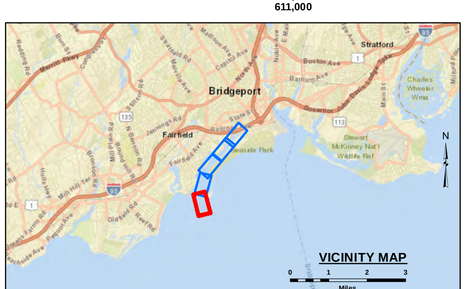

VICINITY MAP

LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable or Pipe 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' 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: Sta. BM 7373 B 2003 (2013)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4137
Survey No.: CT_25_BLA_20200617_CS_037
Reference NOAA Chart No.: 12369

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Project Remarks

Marine infrastructure within federal navigation project limits, obstruction approaching channel entrance at time of survey.

Water Level Information

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

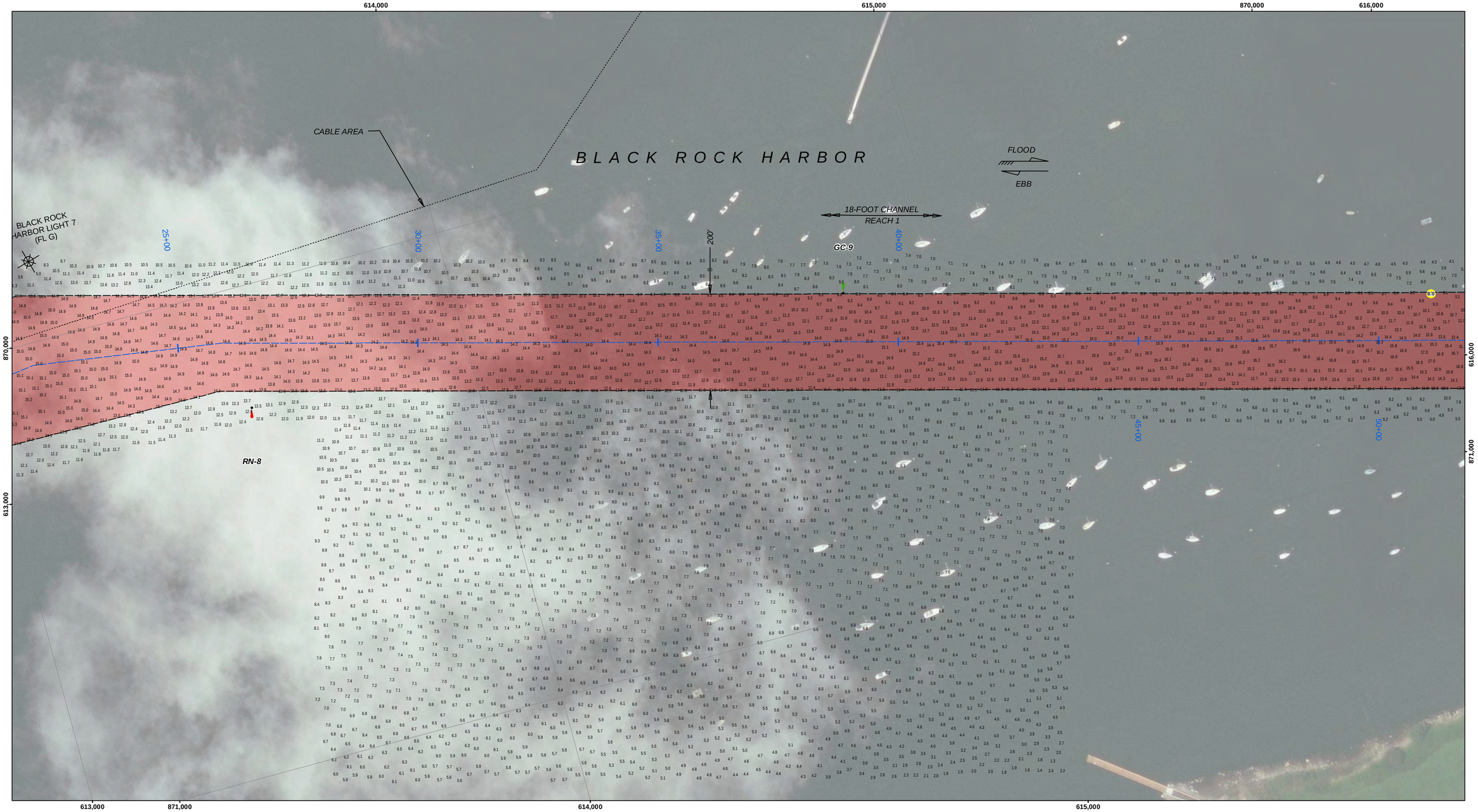
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 7/7/2020
SIZE: ANSI D
MAP DOCUMENT: CT_25_BLA_20200617_CS_037

BLACK ROCK HARBOR & CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY
18-FOOT CHANNELS

File Name: CT_25_BLA_20200617_CS_037

SHEET IDENTIFICATION
Black Rock Harbor and Cedar Creek
Sheet 1 of 5

Revison Number: 4.1-20191105



LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable or Pipe 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' 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: Sta. BM 7373 B 2003 (2013)
Software Used: Hypack
Sounding Sort Distance: 20'
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SURVEYED BY: MSV
CHECKED BY: ZSM
ISSUE DATE: 7/7/2020

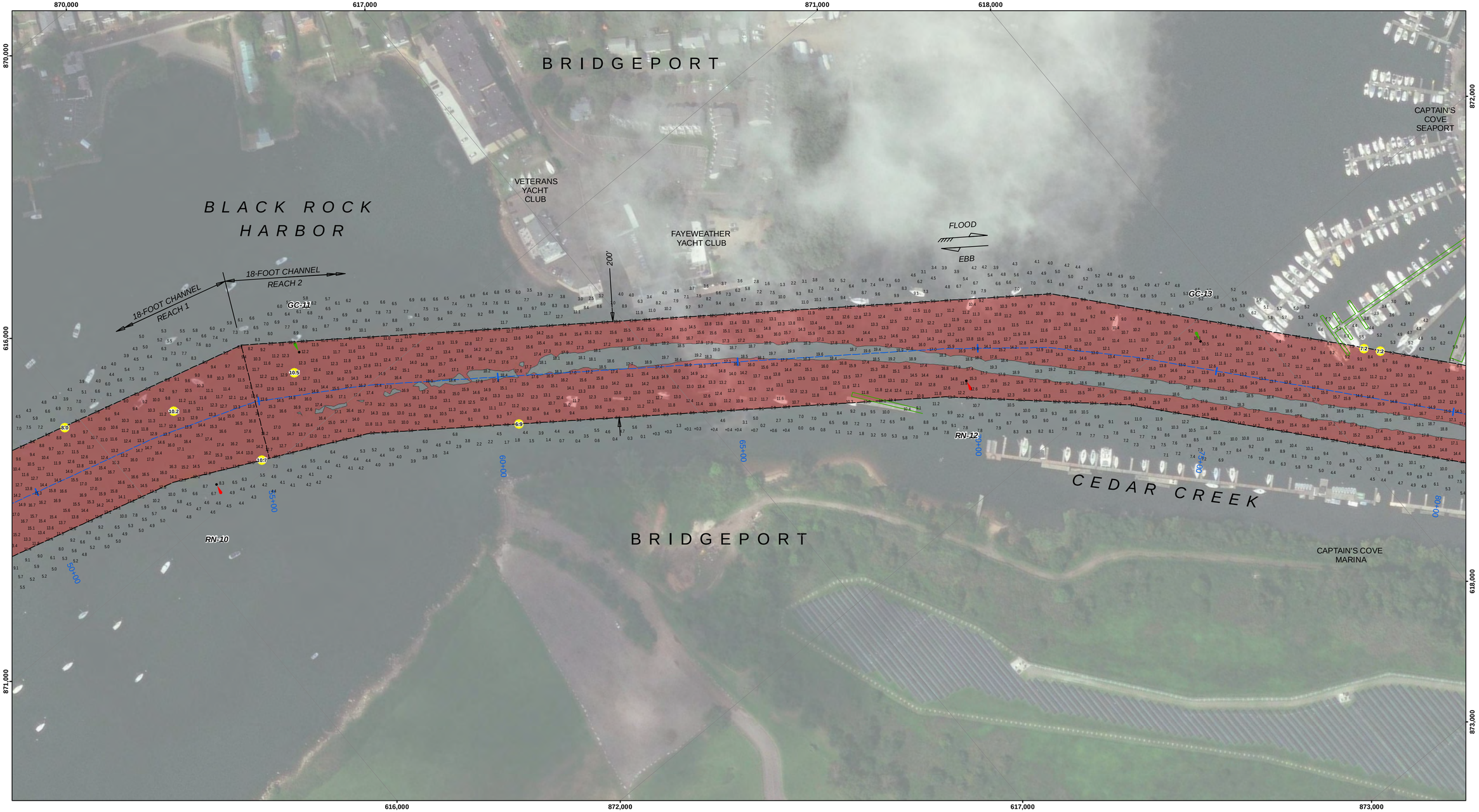
MAP DOCUMENT: CT_25_BLA_20200617_CS_037
SIZE: ANSI D

BLACK ROCK HARBOR & CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY
18-FOOT CHANNELS

File Name: CT_25_BLA_20200617_CS_037

SHEET IDENTIFICATION
Black Rock Harbor and Cedar Creek
Sheet 2 of 5

Revison Number: 4.1-20191105



LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable or Pipe 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' 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: Sta. BM 7373 B 2003 (2013)
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Sounding Sort Distance: 20'
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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SURVEYED BY: MSV
CHECKED BY: ZSM
ISSUE DATE: 7/7/2020

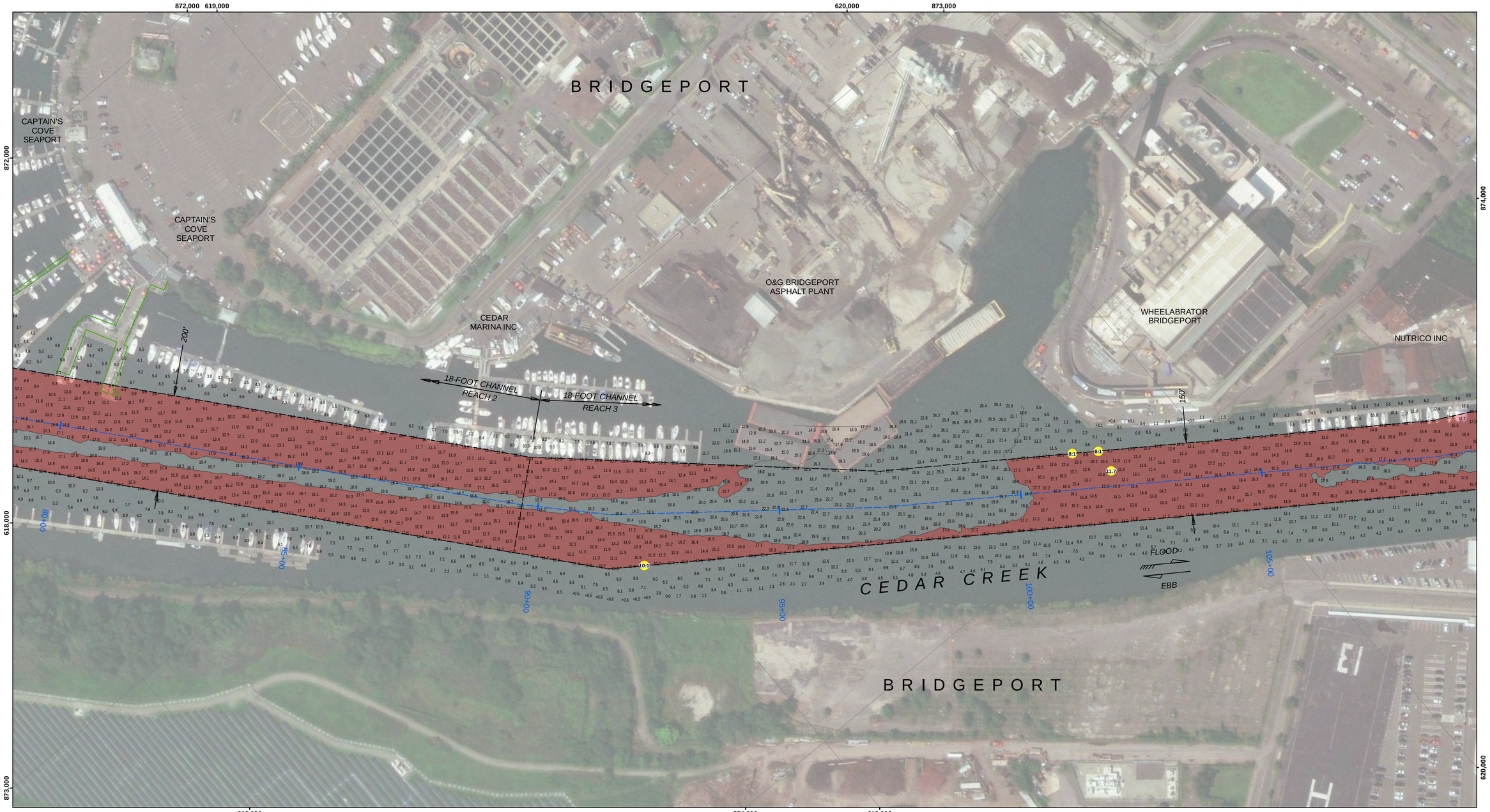
MAP DOCUMENT: CT_25_BLA_20200617_CS_037
SIZE: ANSI D

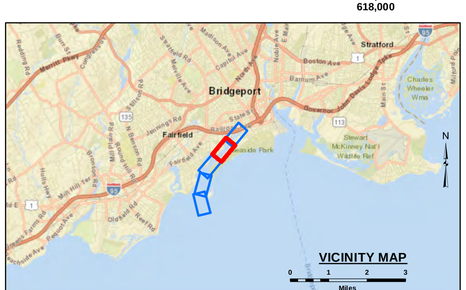
BLACK ROCK HARBOR & CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY
18-FOOT CHANNELS

File Name: CT_25_BLA_20200617_CS_037

SHEET IDENTIFICATION
Black Rock Harbor and Cedar Creek
Sheet 3 of 5

Revison Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
- Channel Center Line
- Cable or Pipe 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' 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: Sta. BM 7373 B 2003 (2013)
Software Used: Hypack
Sounding Sort Distance: 20'
Field Books: R&H 4137
Survey No.: CT_25_BLA_20200617_CS_037
Reference NOAA Chart No.: 12369

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

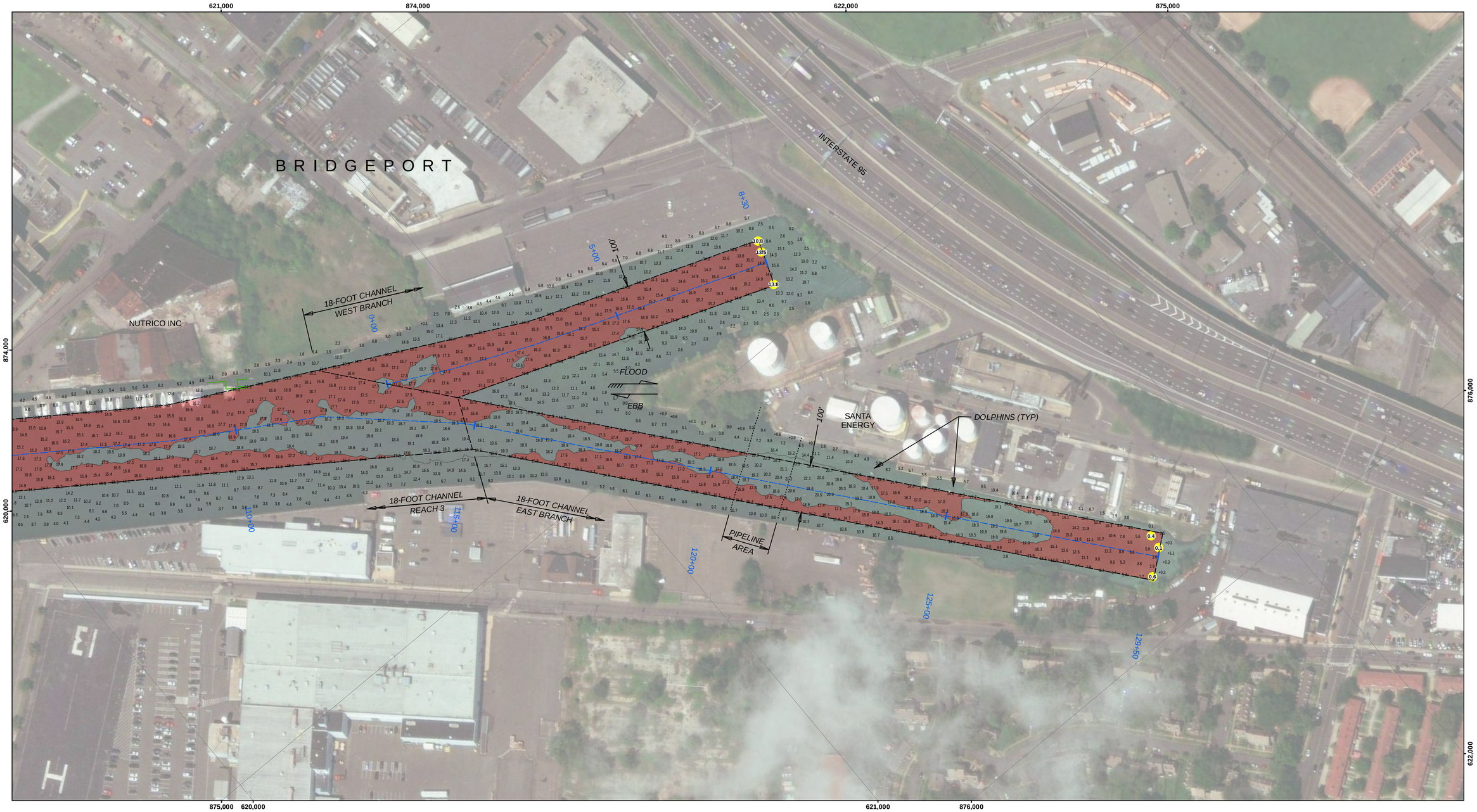
SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey
SURVEYED BY: MJV
CHECKED BY: ZSM
ISSUE DATE: 7/7/2020
SIZE: ANSI D
MAP DOCUMENT: CT_25_BLA_20200617_CS_037

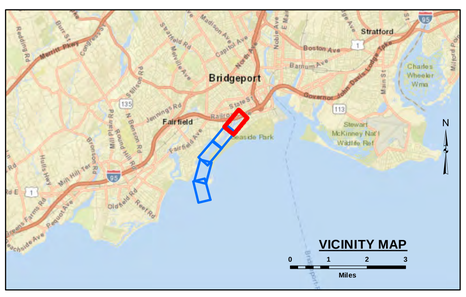
BLACK ROCK HARBOR & CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY
18-FOOT CHANNELS

File Name: CT_25_BLA_20200617_CS_037

SHEET IDENTIFICATION
Black Rock Harbor and Cedar Creek
Sheet 4 of 5

Revison Number: 4.1-20191105





LEGEND

- Federal Navigation Channel
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GRAPHIC SCALE

1" = 100' 100 0 100 200 Feet

Notes:

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US Army Corps of Engineers
District: CENAE

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT

SUBMITTED BY: Zachary McAvoy
APPROVED BY: NAE Survey

SURVEYED BY: MSV
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ISSUE DATE: 7/7/2020

MAP DOCUMENT: CT_25_BLA_20200617_CS_037
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BLACK ROCK HARBOR & CEDAR CREEK
BRIDGEPORT, CONNECTICUT
CONDITION SURVEY
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File Name: CT_25_BLA_20200617_CS_037

SHEET IDENTIFICATION
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Sheet 5 of 5

Revison Number: 4.1-20191105