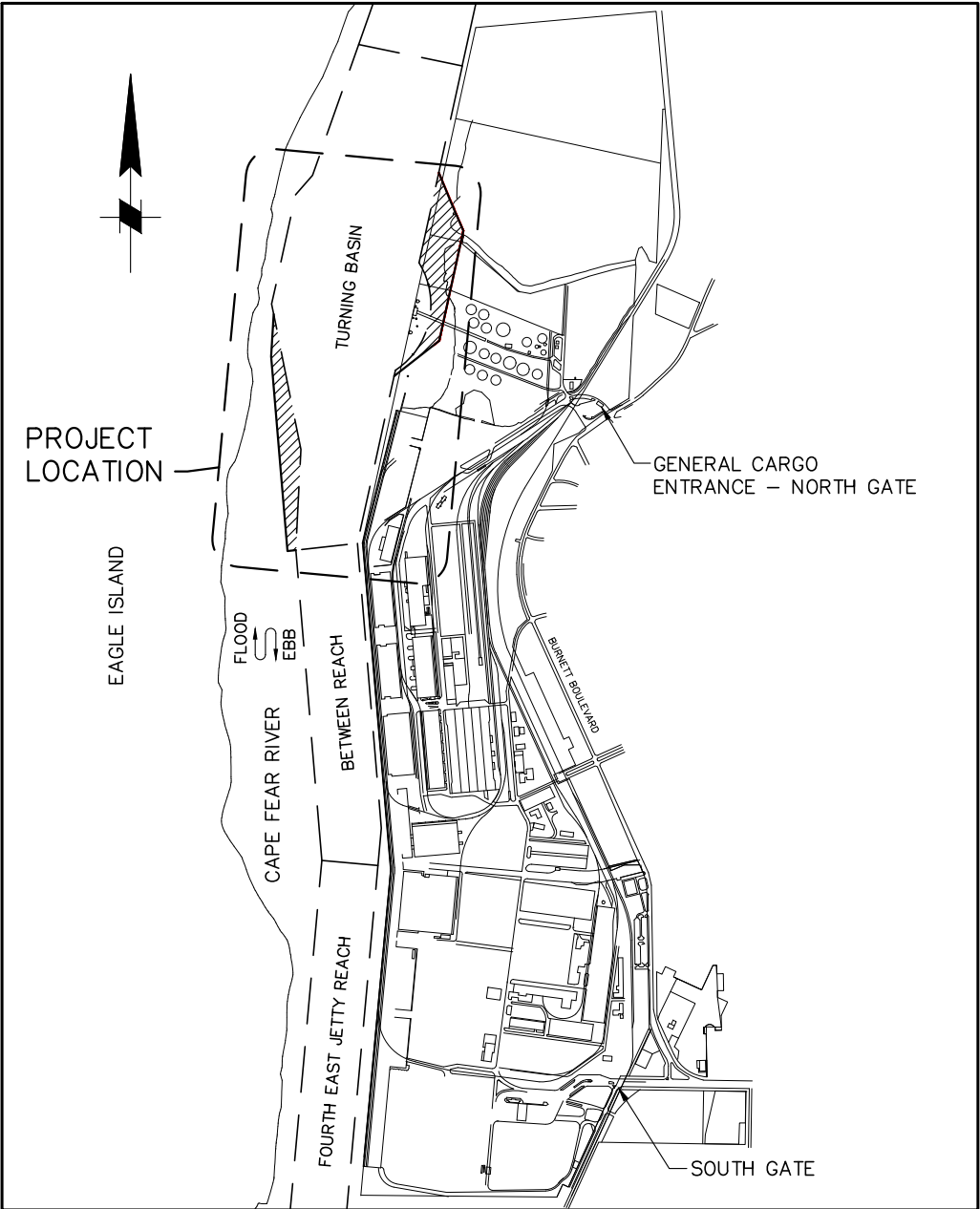


VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**
PREPARED BY: **MOFFATT & NICHOL**

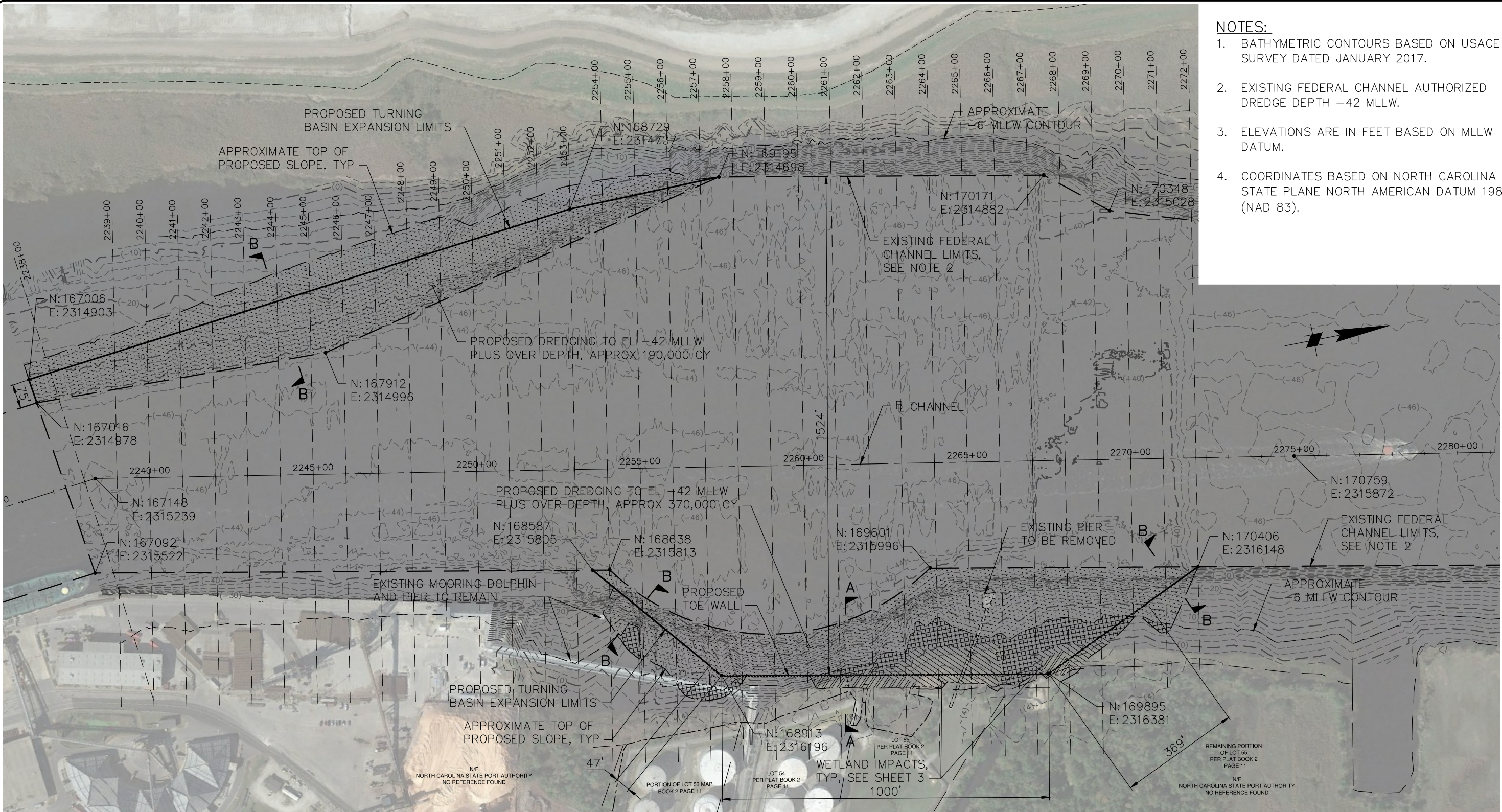
PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**



DATE: **OCTOBER 2018**

SHEET TITLE:
PROJECT VICINITY AND LOCATION MAP

SHEET
1
OF
16



- NOTES:**
1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 2. EXISTING FEDERAL CHANNEL AUTHORIZED DREDGE DEPTH -42 MLLW.
 3. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.
 4. COORDINATES BASED ON NORTH CAROLINA STATE PLANE NORTH AMERICAN DATUM 1983 (NAD 83).

PROJECT SITE PLAN
1"=300'

PROJECT TITLE: NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION

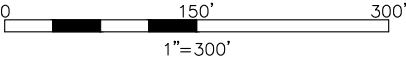
DATUM: MLLW
PREPARED BY: MOFFATT & NICHOL

PREPARED FOR: NORTH CAROLINA STATE PORTS AUTHORITY

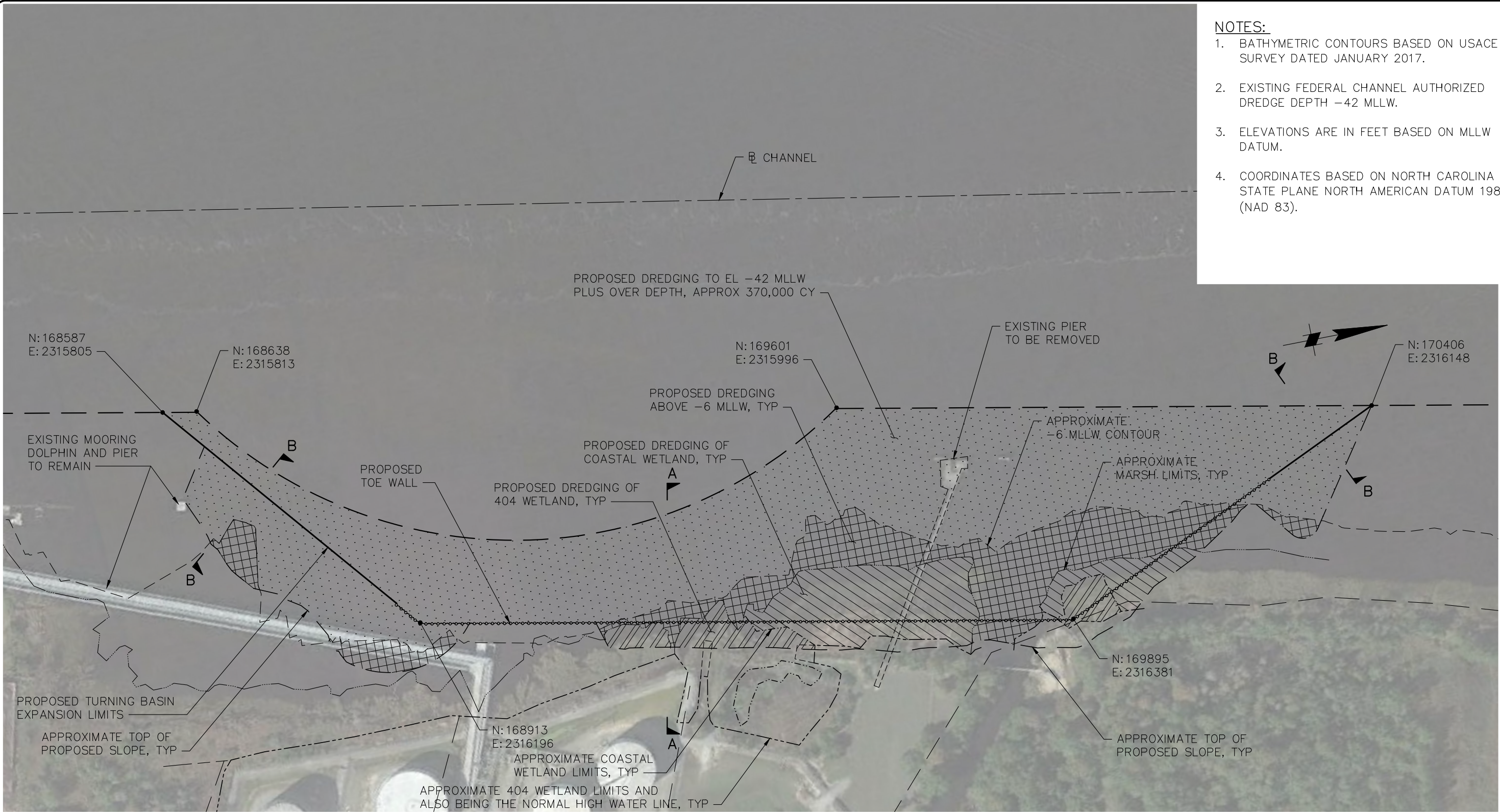


DATE: OCTOBER 2018

SHEET TITLE:
PROJECT SITE PLAN



SHEET
2
OF
16



- NOTES:**
- BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 - EXISTING FEDERAL CHANNEL AUTHORIZED DREDGE DEPTH -42 MLLW.
 - ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.
 - COORDINATES BASED ON NORTH CAROLINA STATE PLANE NORTH AMERICAN DATUM 1983 (NAD 83).

WETLAND IMPACT PLAN
1"=150'

PROJECT TITLE: NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION

DATUM: MLLW

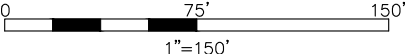
PREPARED BY: MOFFATT & NICHOL

PREPARED FOR: NORTH CAROLINA STATE PORTS AUTHORITY

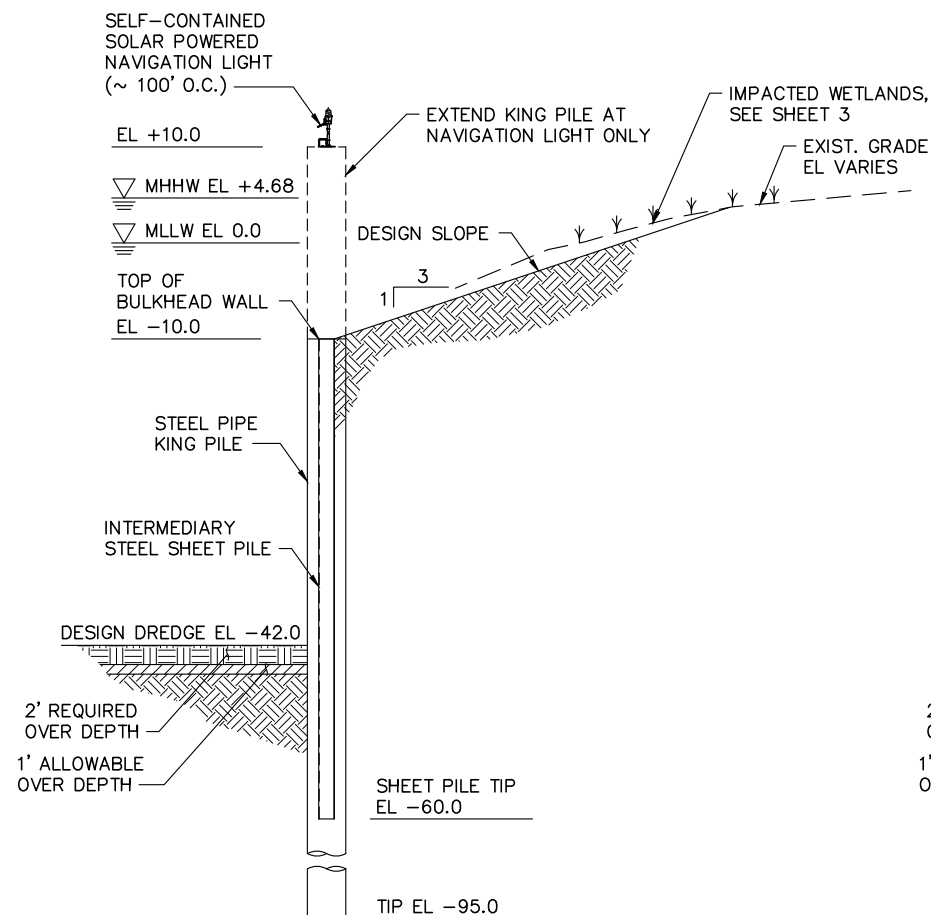
DATE: OCTOBER 2018



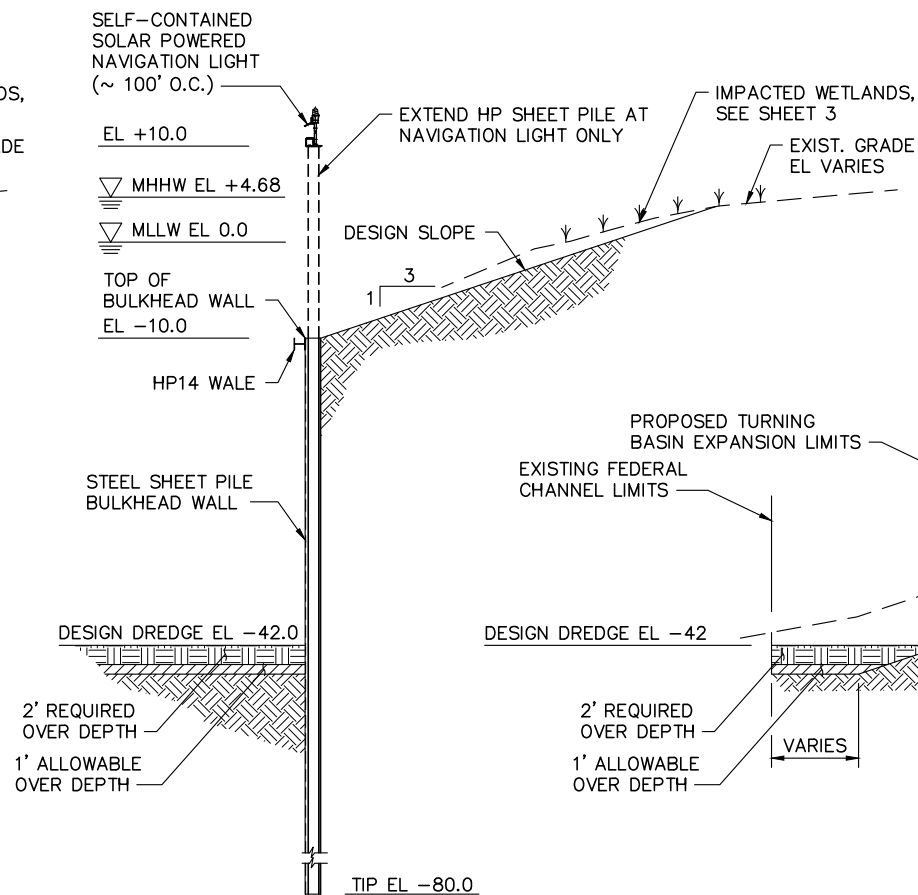
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WETLAND IMPACT PLAN



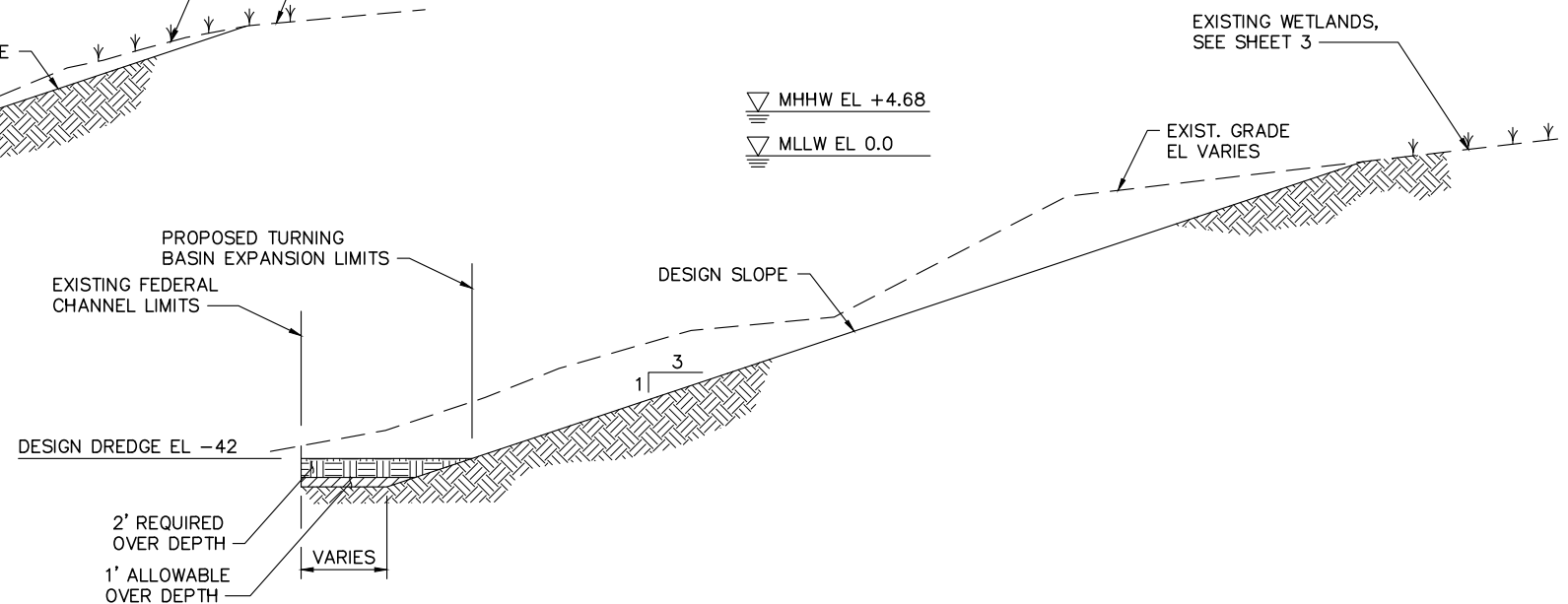
SHEET
3
OF
16



SECTION A-A
KING PILE WALL
1"=20'



SECTION A-A
SHEET PILE WALL ALTERNATIVE
1"=20'



SECTION B-B
1"=20'

PROJECT TITLE: NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION

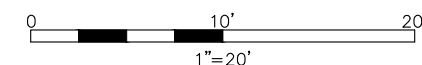
DATUM: MLLW
PREPARED BY: MOFFATT & NICHOL

PREPARED FOR: NORTH CAROLINA STATE PORTS AUTHORITY

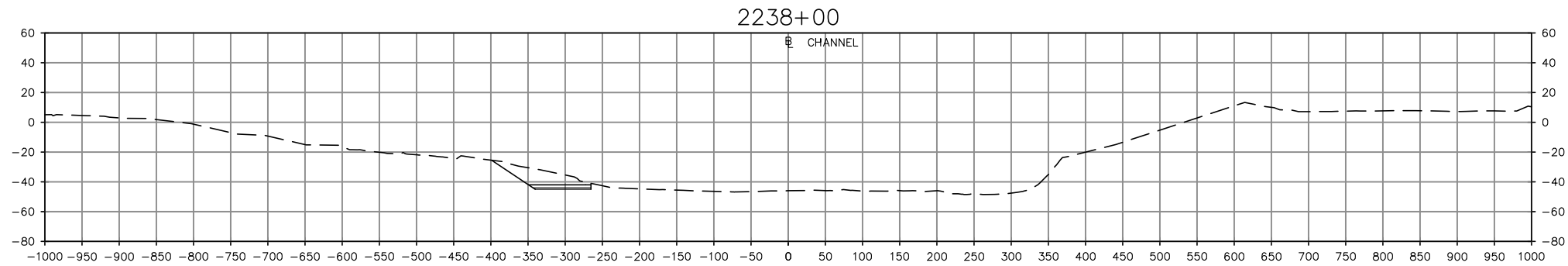


DATE: OCTOBER 2018

SHEET TITLE:
TYPICAL SECTIONS



SHEET
4
OF
16

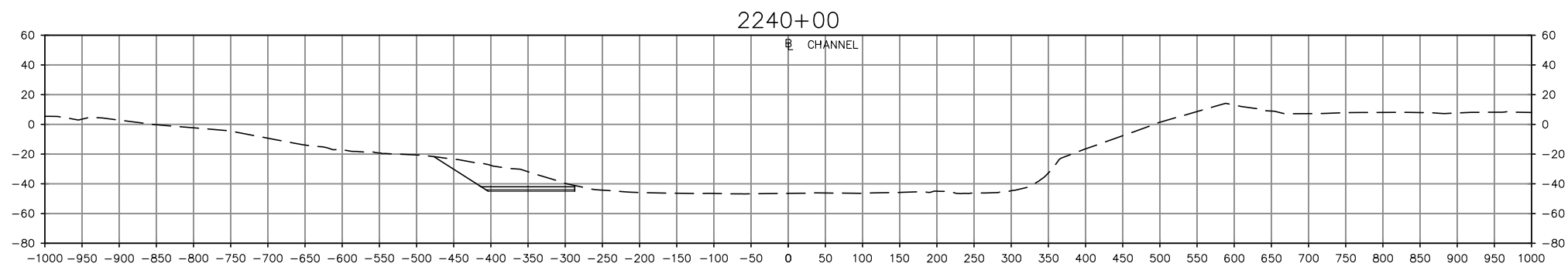
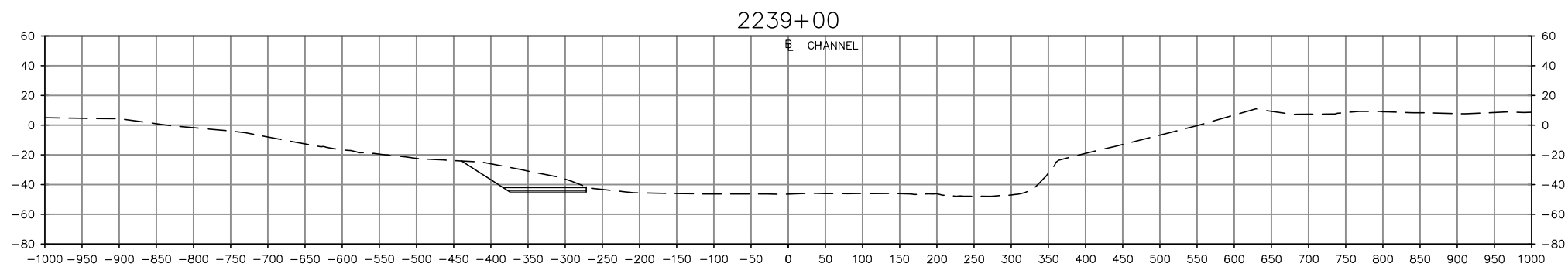


NOTES:

1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

- APPROXIMATE EXISTING GRADE
- PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

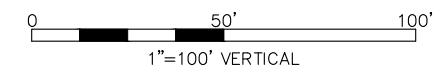
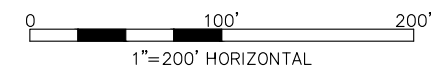
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

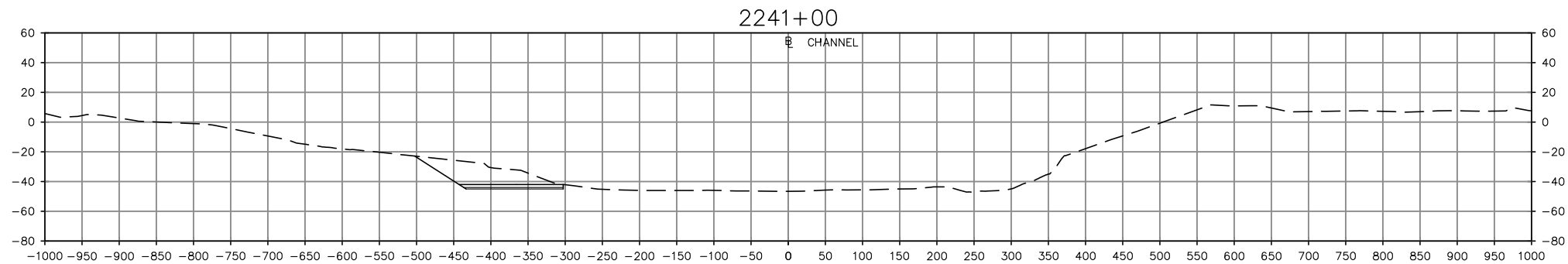


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
1 OF 12**



SHEET
5
OF
16

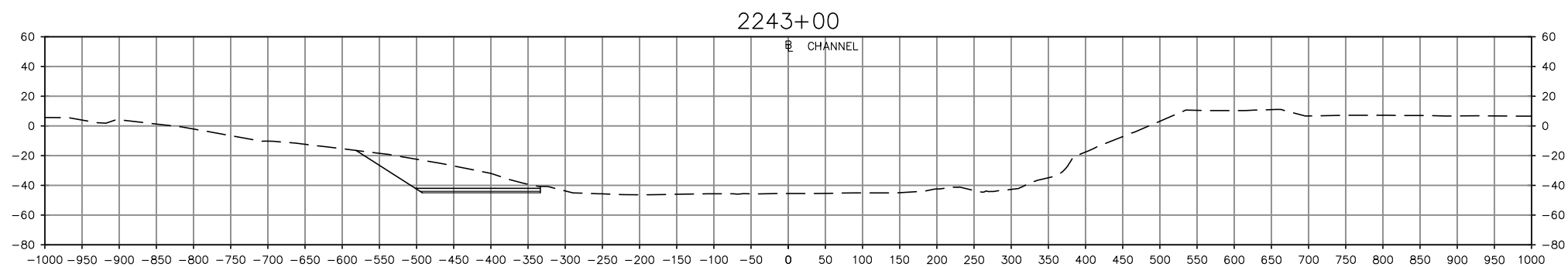
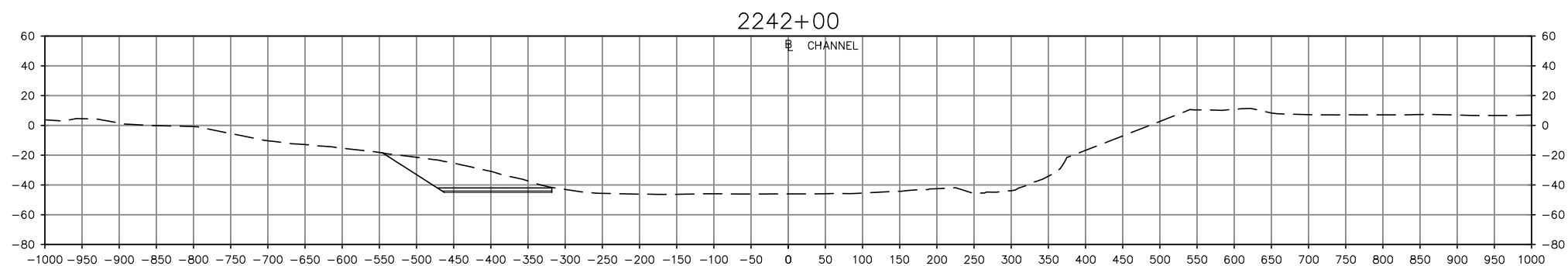


NOTES:

1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

- APPROXIMATE EXISTING GRADE
- PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

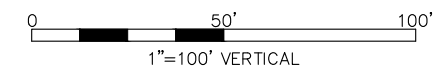
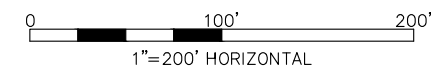
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PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

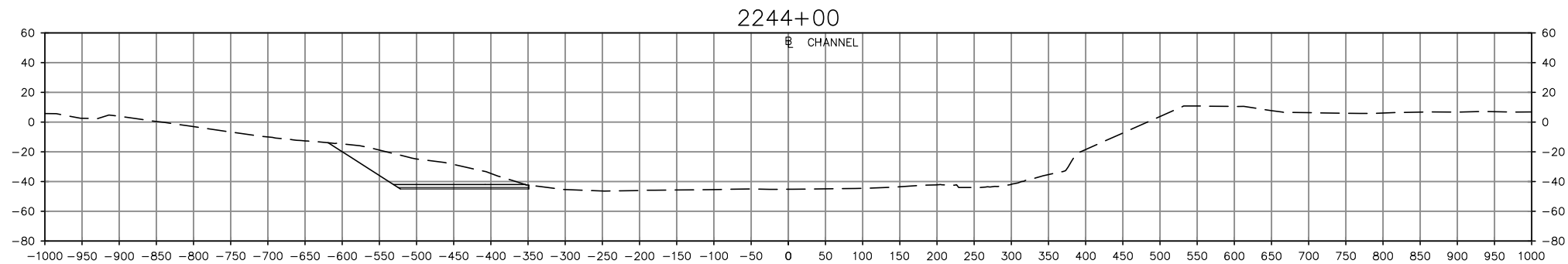


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
2 OF 12**



SHEET
5
OF
16

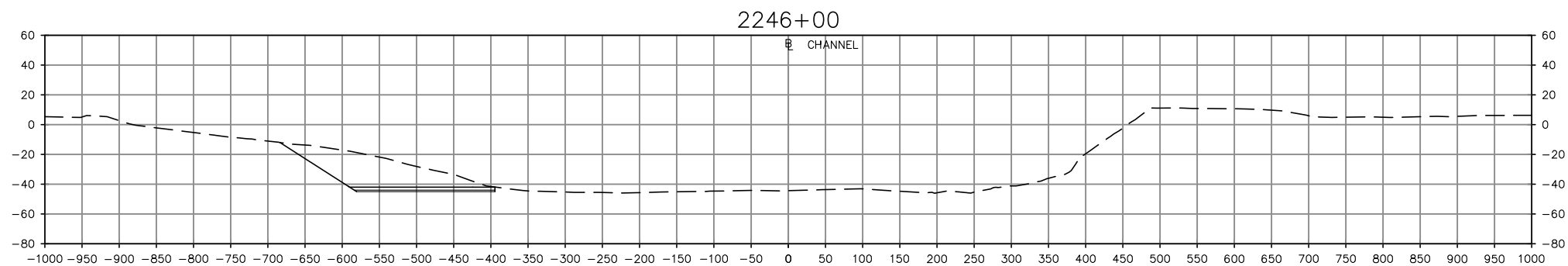
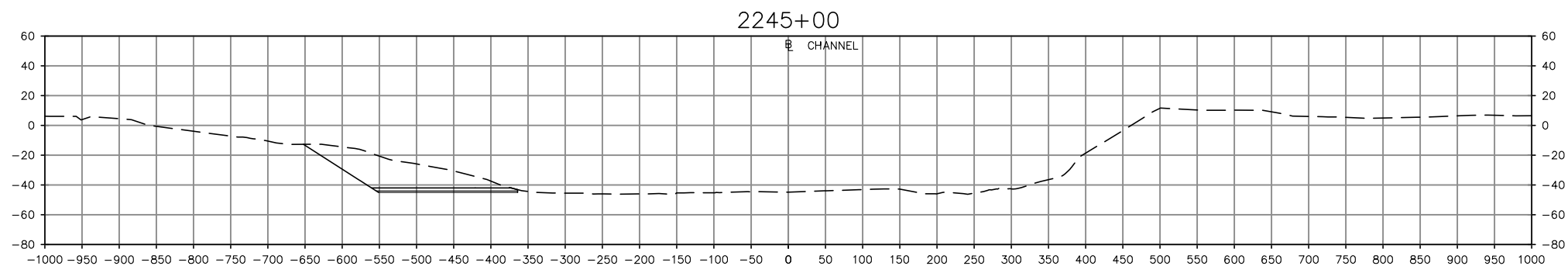


NOTES:

1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

- APPROXIMATE EXISTING GRADE
- PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

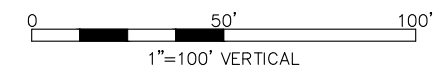
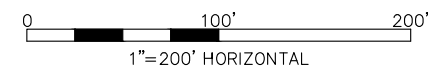
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

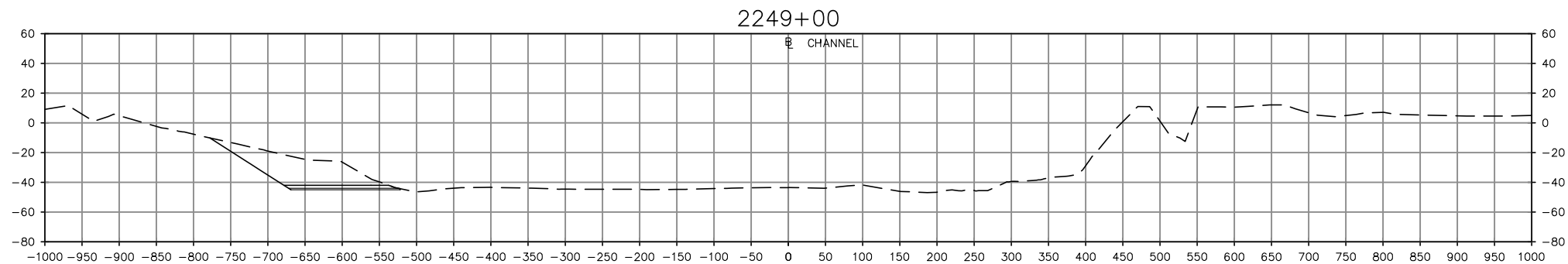
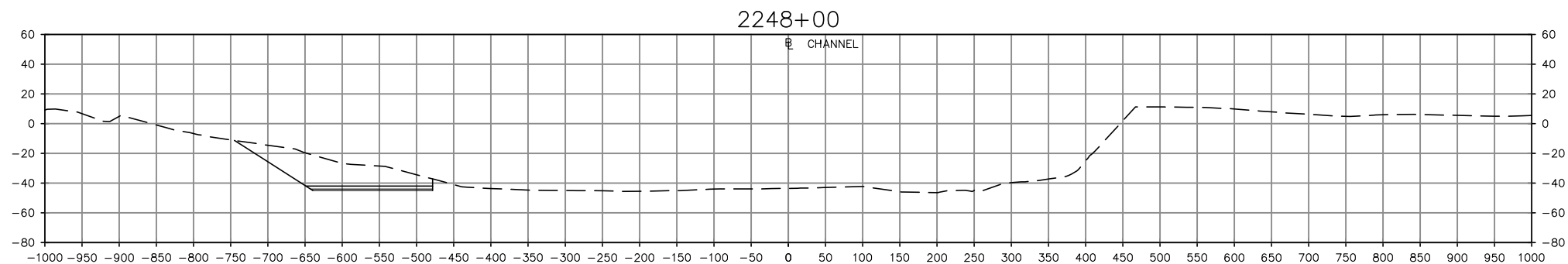
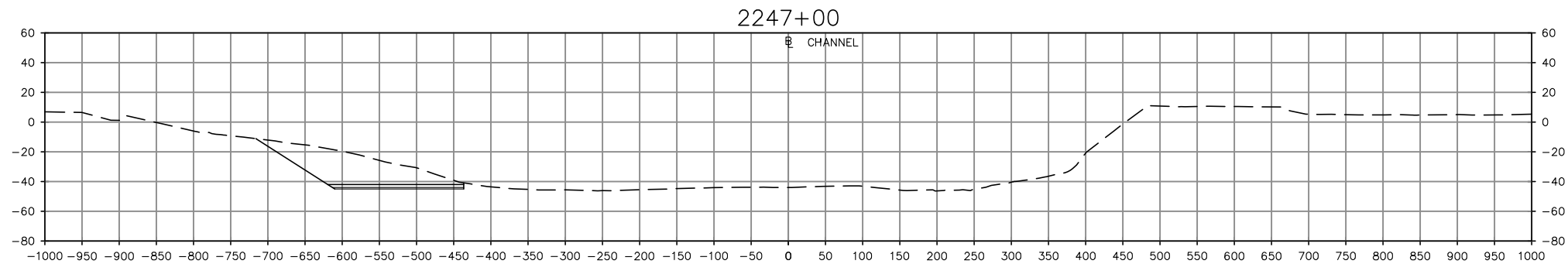


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
3 OF 12**



SHEET
7
OF
16



NOTES:

1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

- APPROXIMATE EXISTING GRADE
- PROPOSED DREDGING

PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

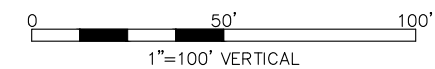
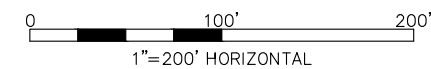
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

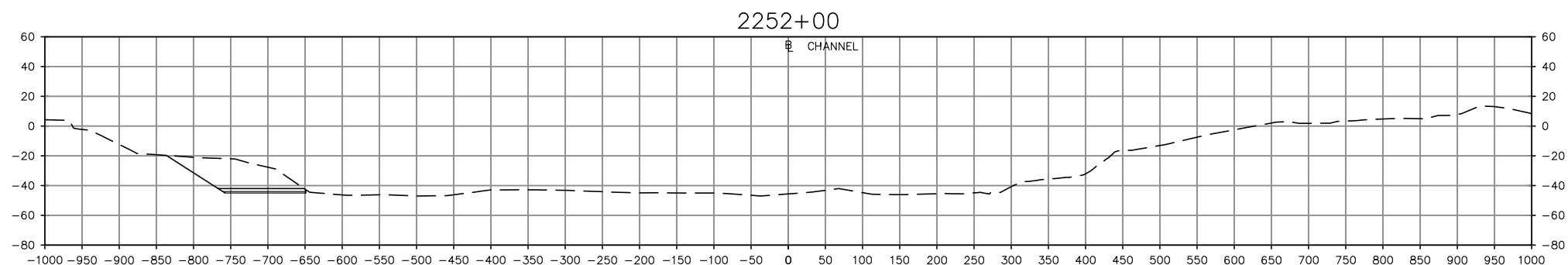
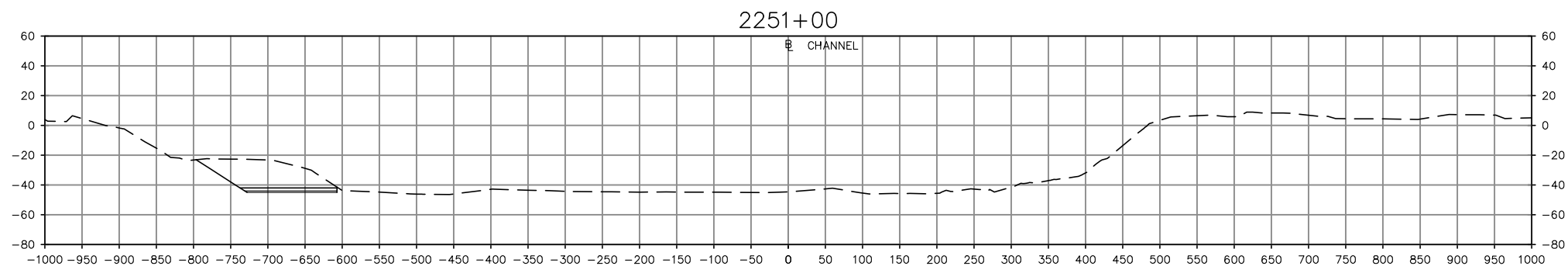
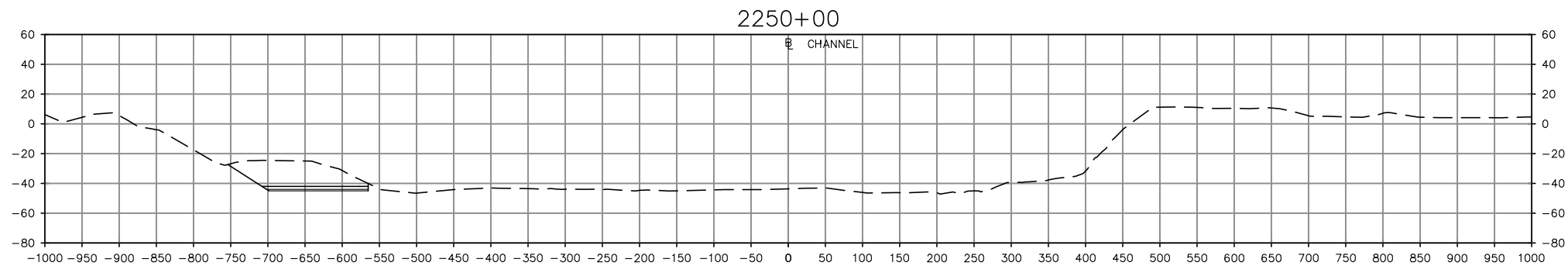


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
4 OF 12**



SHEET
8
OF
16



- NOTES:**
1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

--- APPROXIMATE EXISTING GRADE

— PROPOSED DREDGING

PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

**NORTH
CAROLINA
PORTS**

DATE: **OCTOBER 2018**

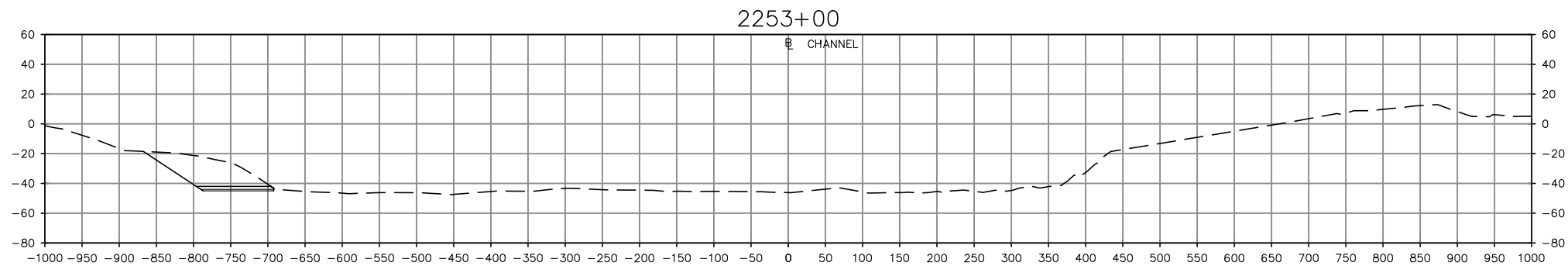
SHEET TITLE:
**CROSS SECTIONS
5 OF 12**

0 100' 200' 1"=200' HORIZONTAL

0 50' 100' 1"=100' VERTICAL

SHEET
**9
OF
16**

File: Q:\RA\9232-08\CADD_-Active\923208-P09; Plotted: 10/24/2018 12:17 PM by KOONS, DAVE; Saved: 10/23/2018 10:38 AM by DKOONS

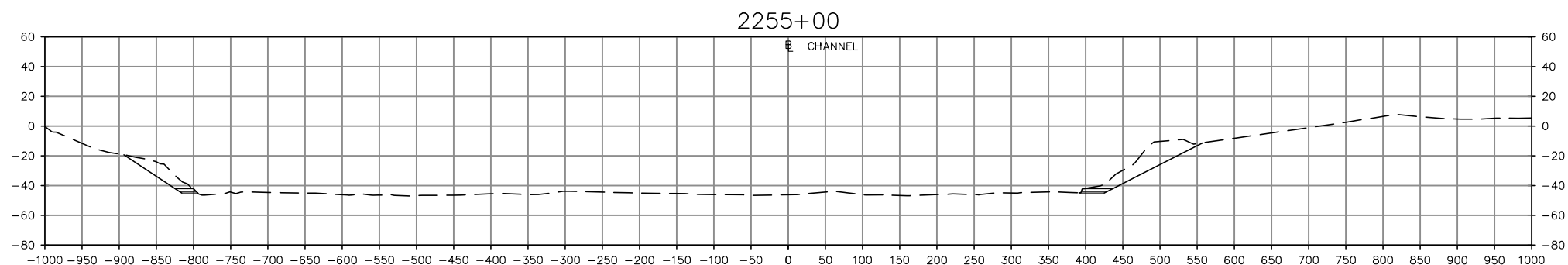
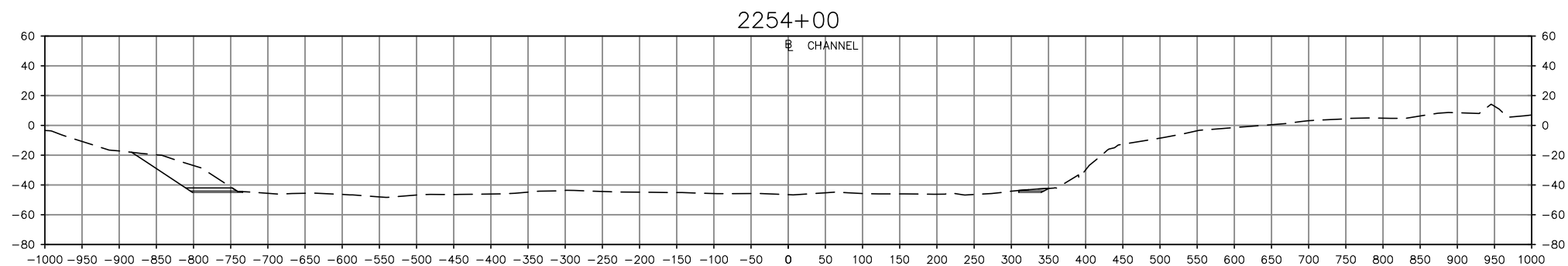


- NOTES:**
- BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 - ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

--- APPROXIMATE EXISTING GRADE

— PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

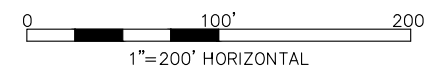
DATUM: **MLLW**
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

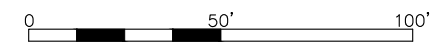


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
6 OF 12**

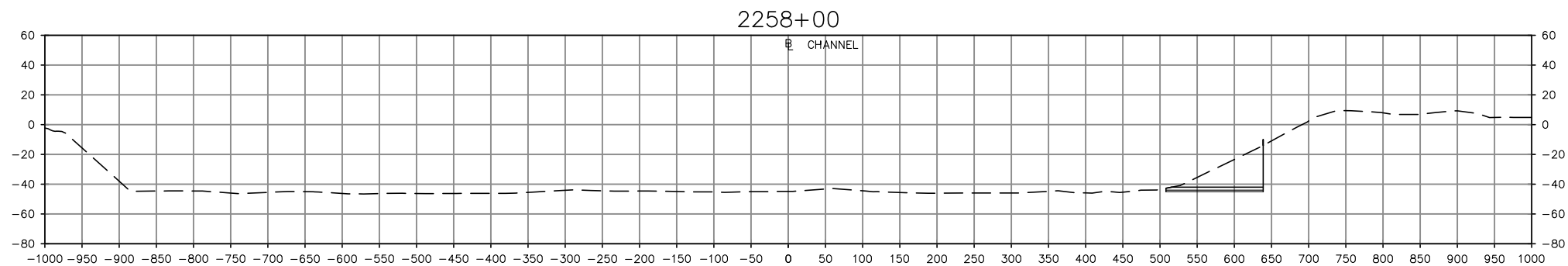
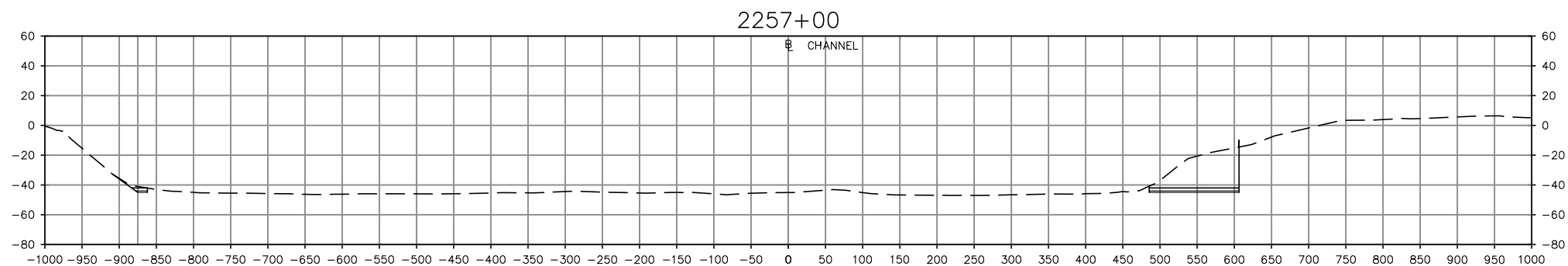
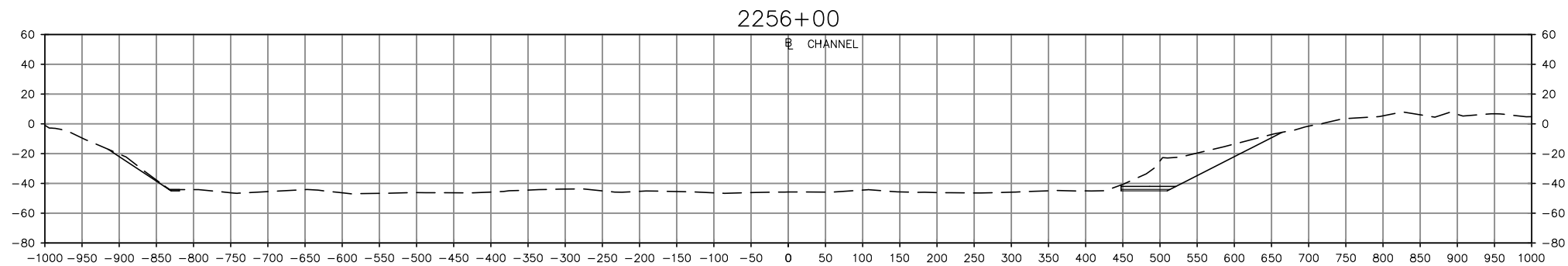


1"=200' HORIZONTAL



1"=100' VERTICAL

SHEET
10
OF
16



- NOTES:**
- 1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 - 2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

----- APPROXIMATE EXISTING GRADE

———— PROPOSED DREDGING

PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

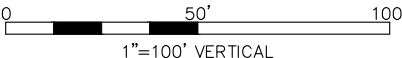
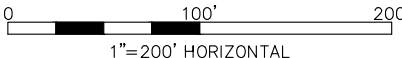
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

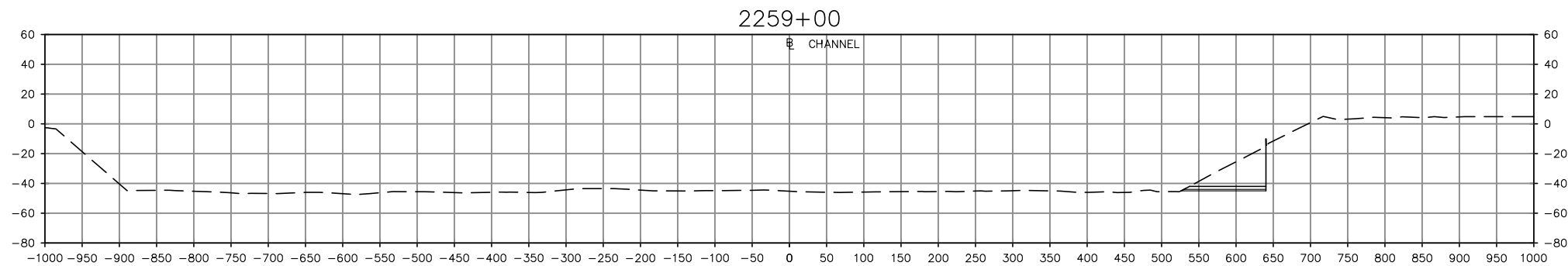
DATE: **OCTOBER 2018**



SHEET TITLE:
**CROSS SECTIONS
7 OF 12**



SHEET
11
OF
16

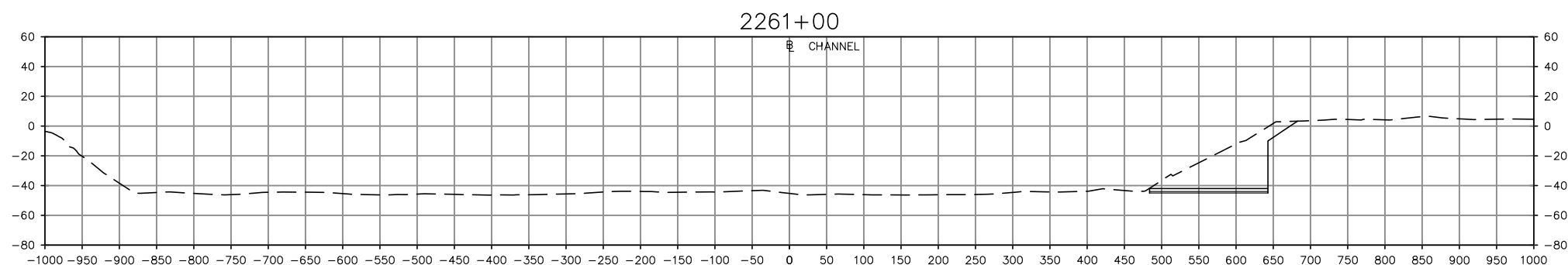
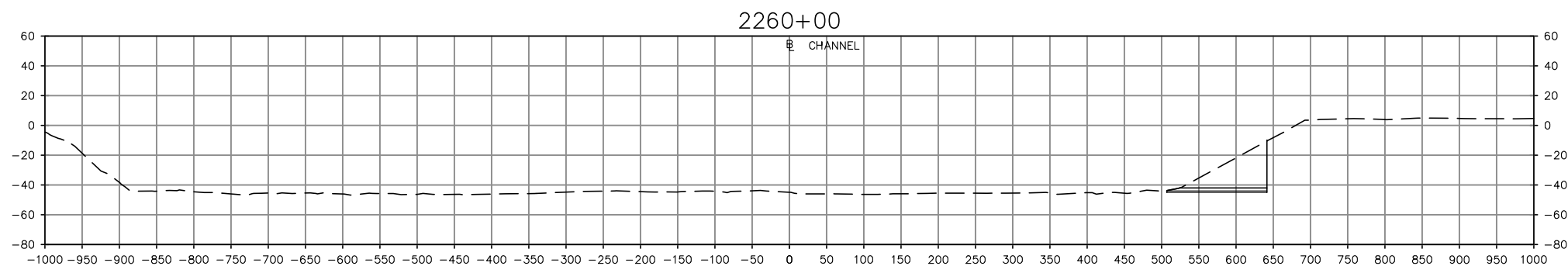


- NOTES:**
1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

--- APPROXIMATE EXISTING GRADE

— PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

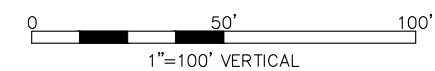
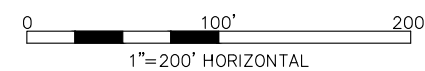
DATUM: **MLLW**
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

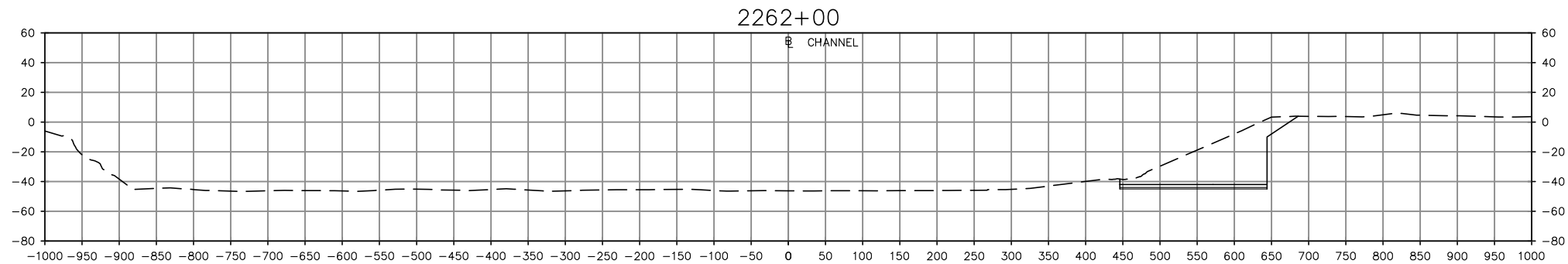


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
8 OF 12**



SHEET
**12
OF
16**

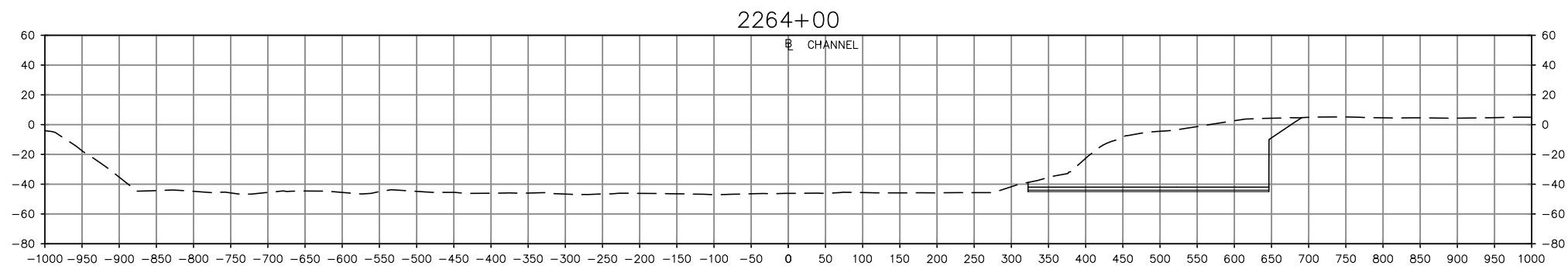
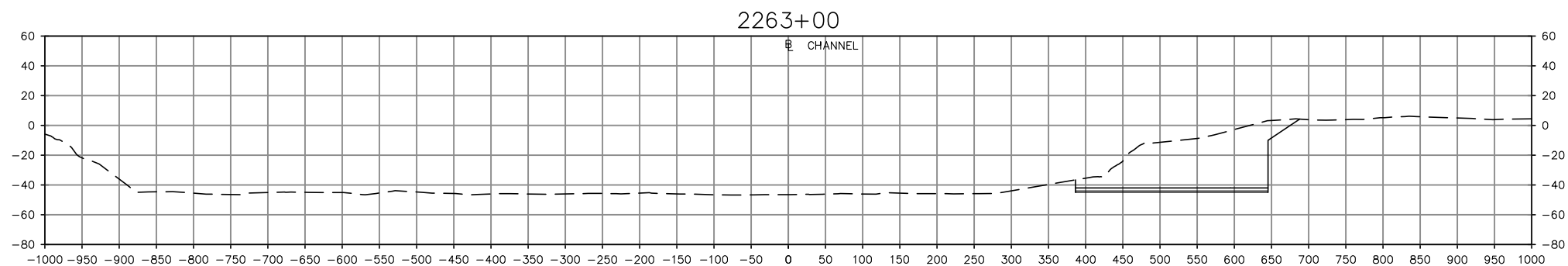


NOTES:

- BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
- ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

- APPROXIMATE EXISTING GRADE
- PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

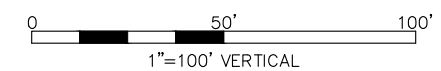
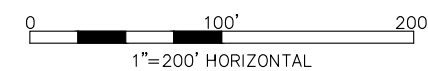
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

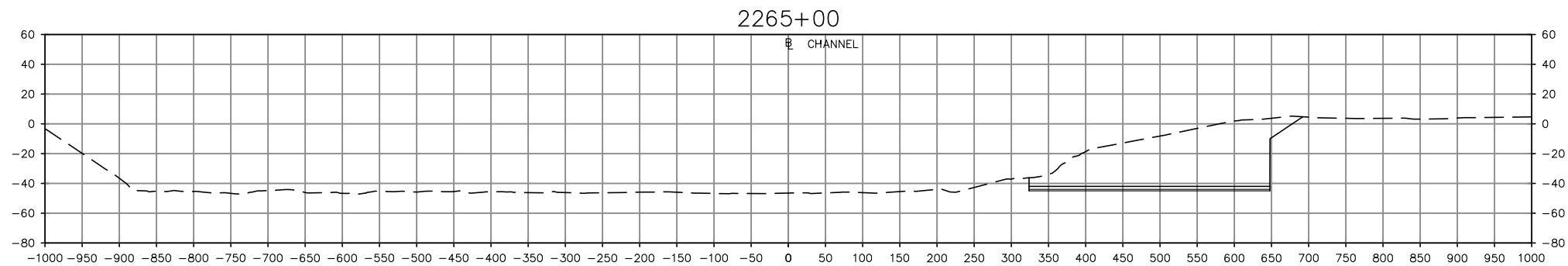


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
9 OF 12**



SHEET
**13
OF
16**

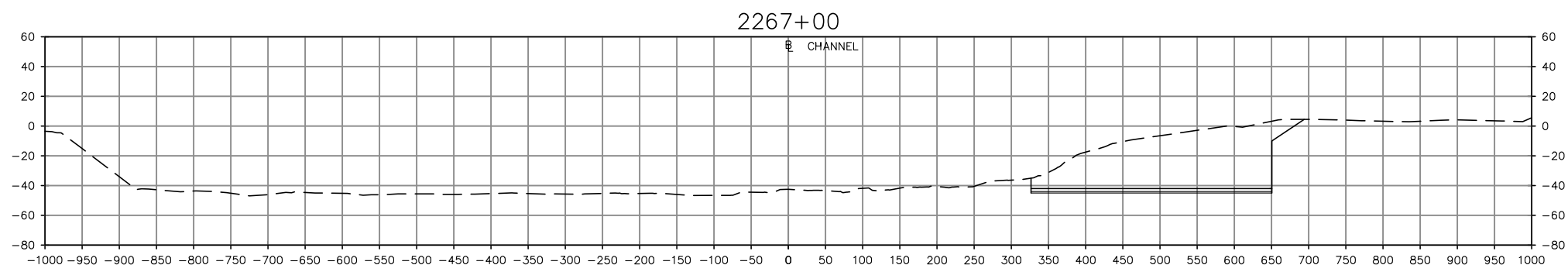
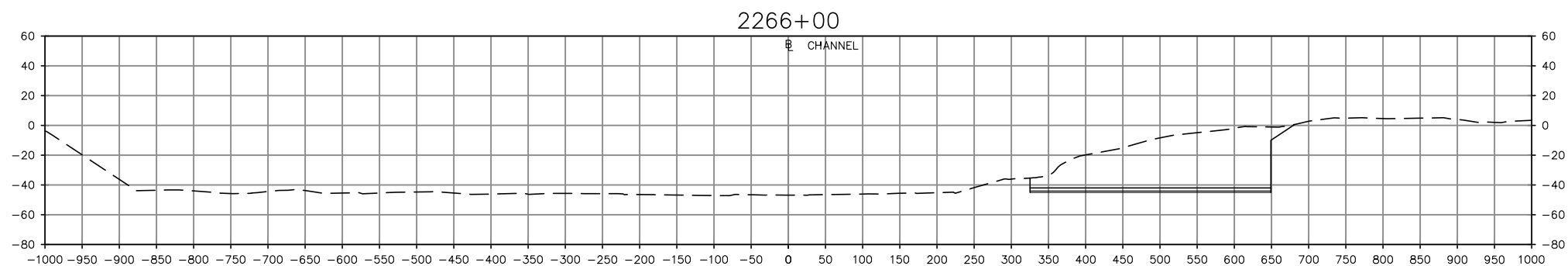


- NOTES:**
1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

----- APPROXIMATE EXISTING GRADE

———— PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**



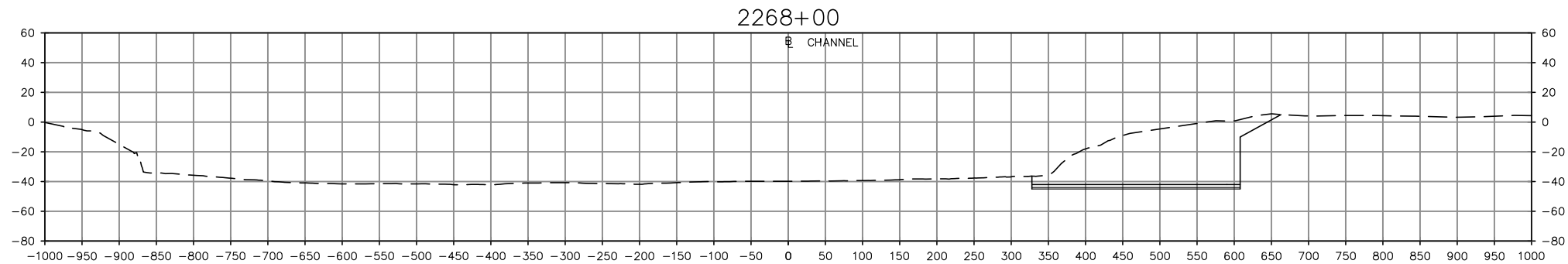
DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
10 OF 12**

0 100' 200'
1"=200' HORIZONTAL

0 50' 100'
1"=100' VERTICAL

SHEET
**14
OF
16**

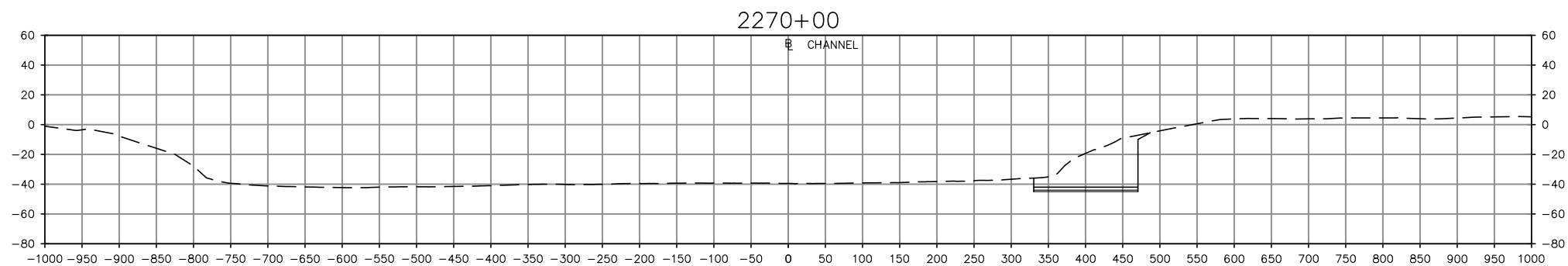
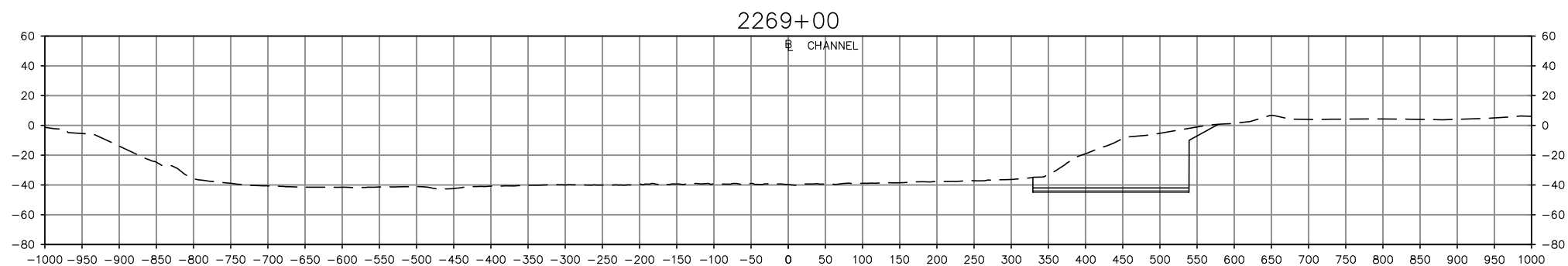


NOTES:

1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

- APPROXIMATE EXISTING GRADE
- PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

DATUM: **MLLW**

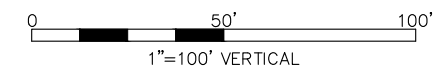
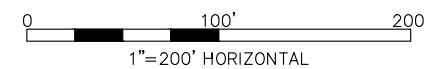
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**

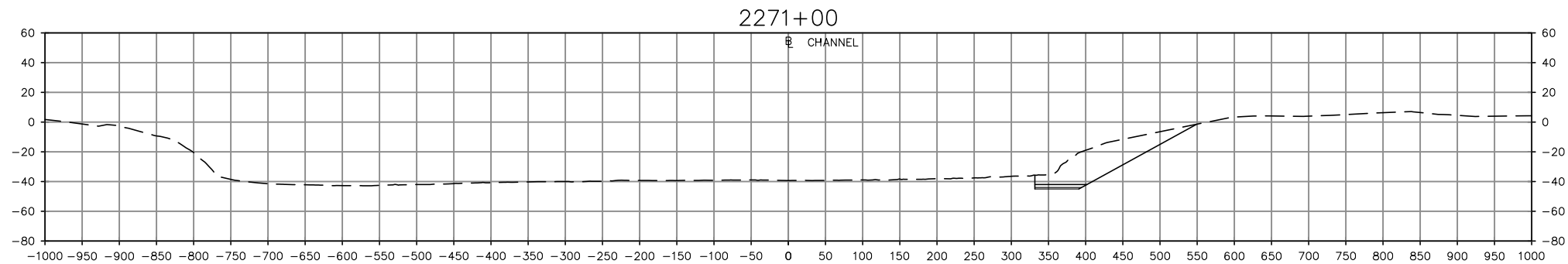


DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
11 OF 12**



SHEET
**15
OF
16**

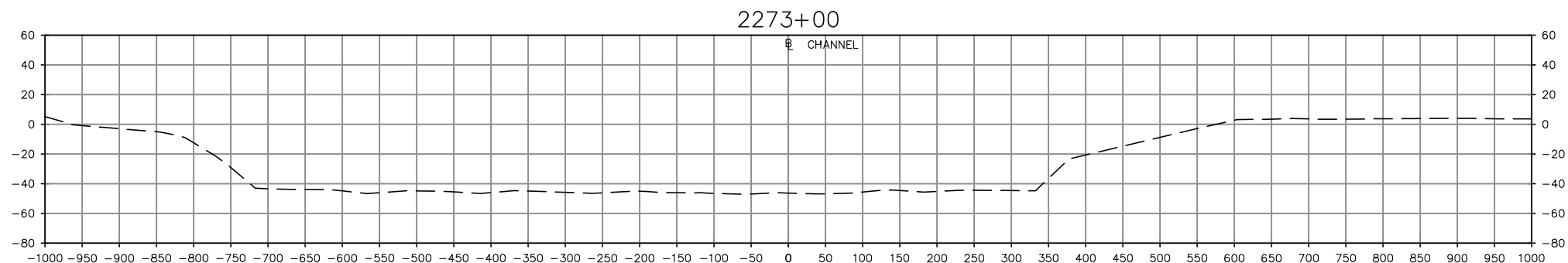
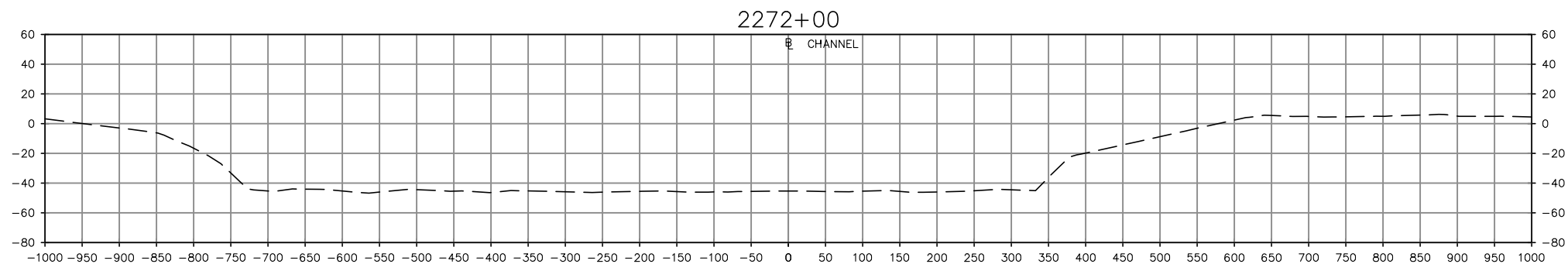


- NOTES:**
1. BATHYMETRIC CONTOURS BASED ON USACE SURVEY DATED JANUARY 2017.
 2. ELEVATIONS ARE IN FEET BASED ON MLLW DATUM.

LEGEND

----- APPROXIMATE EXISTING GRADE

———— PROPOSED DREDGING



PROJECT TITLE: **NORTH CAROLINA STATE PORTS AUTHORITY
WILMINGTON TERMINAL
TURNING BASIN EXPANSION**

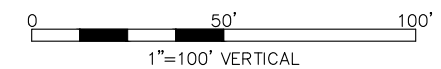
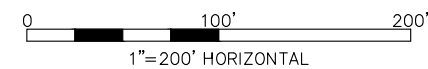
DATUM: **MLLW**
PREPARED BY: **MOFFATT & NICHOL**

PREPARED FOR: **NORTH CAROLINA STATE PORTS AUTHORITY**



DATE: **OCTOBER 2018**

SHEET TITLE:
**CROSS SECTIONS
12 OF 12**



SHEET
16
OF
16