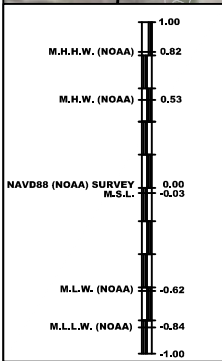
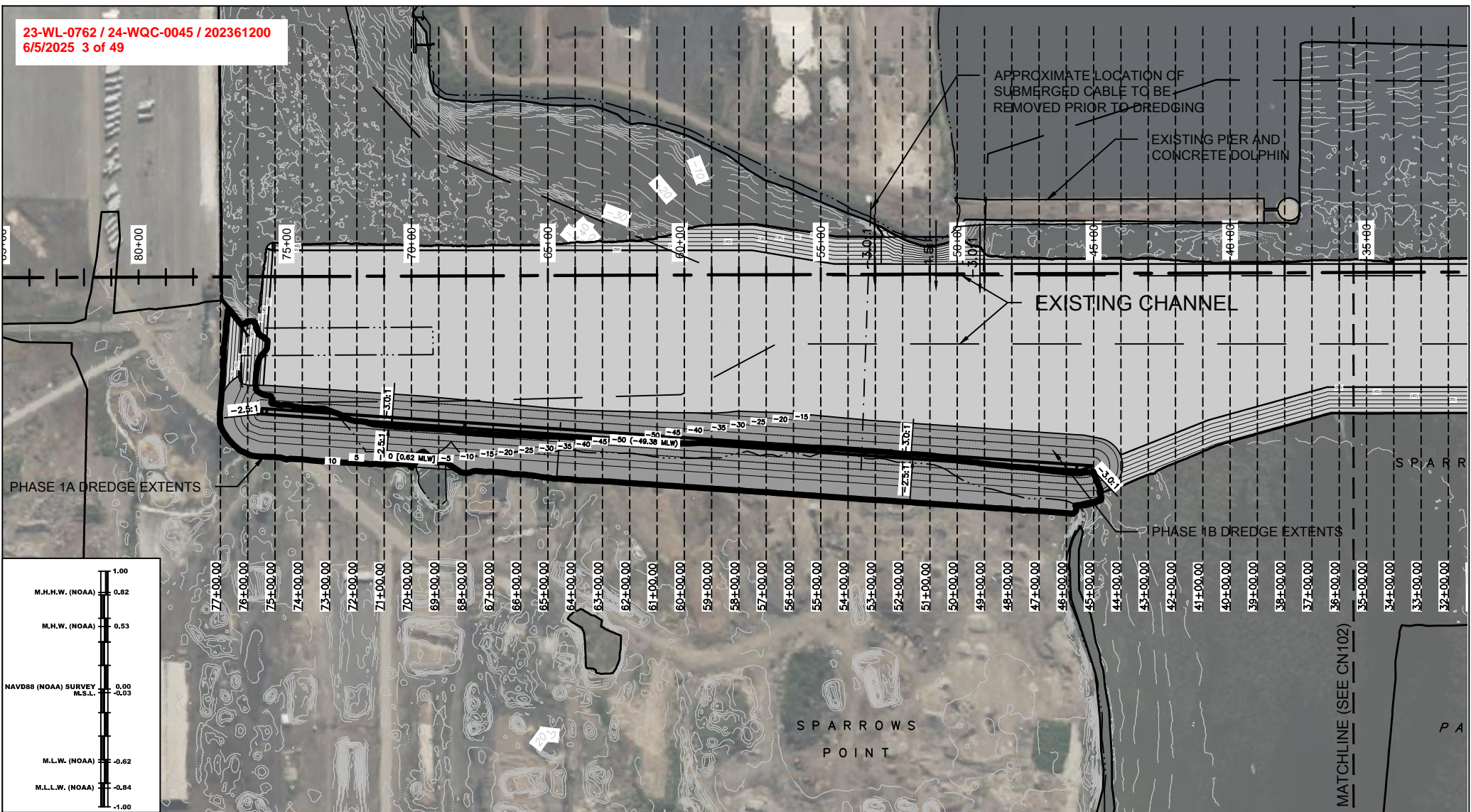


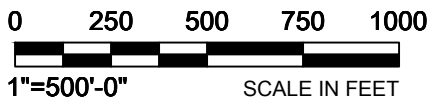
- Tradepoint Atlantic Property
- Pavement
- Gate Complex
- Intermodal/Rail Yard
- Maintenance and Repair Area
- Wharf Area
- Container Storage Yard
- Building
- Roads
- Rails
- SPCT Project Area
- Sparrows Point Channel Improvements
- Sparrows Point Channel (Non-federal)
- Baltimore Harbor Channels (Federal Navigation Channels)





- LEGEND:**
- PHASE 1A EXCAVATION AREA, AREA TO BE DUG FROM LAND TO -30 NAVD88 (-29.38 MLW) DEPTH, WITH SIDE SLOPES AS SHOWN
 - PHASE 1B DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW) DEPTH WITH SIDE SLOPES AS SHOWN FOLLOWING COMPLETION OF PHASE 1A
 - PHASE 2 DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
 - (40)- DESIGN DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)
 - (34)- EXISTING DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)

- NOTES:**
- ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
 - STATION NUMBERS MEASURED FROM START POINT AT BASELINE WORKING POINT BWP-01. SECTIONS SHOWING THE DREDGE AREA FROM STATION 6+00 TO 76+00 ARE SHOWN ON DRAWINGS CN301 TO CN314.
 - THE DREDGE AREA CONSISTS OF THREE PHASES WITH THE PHASE 1A AREA TO BE CONDUCTED FIRST. AREAS TO BE DUG FROM LAND ARE DESIGNATED AS PHASE 1A AND IS TO BE CONDUCTED BEFORE WATER BASED DREDGING OF PHASE 1B. CONSTRUCTION OF PILES AND THE WHARF WILL COMMENCE FOLLOWING THE COMPLETION OF PHASE 1A. PHASE 2 WILL BE CONDUCTED FOLLOWING PHASE 1B TO COMPLETE DREDGING OF THE REMAINDER OF THE PROPOSED CHANNEL.



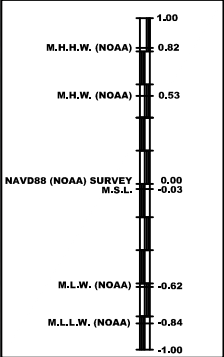
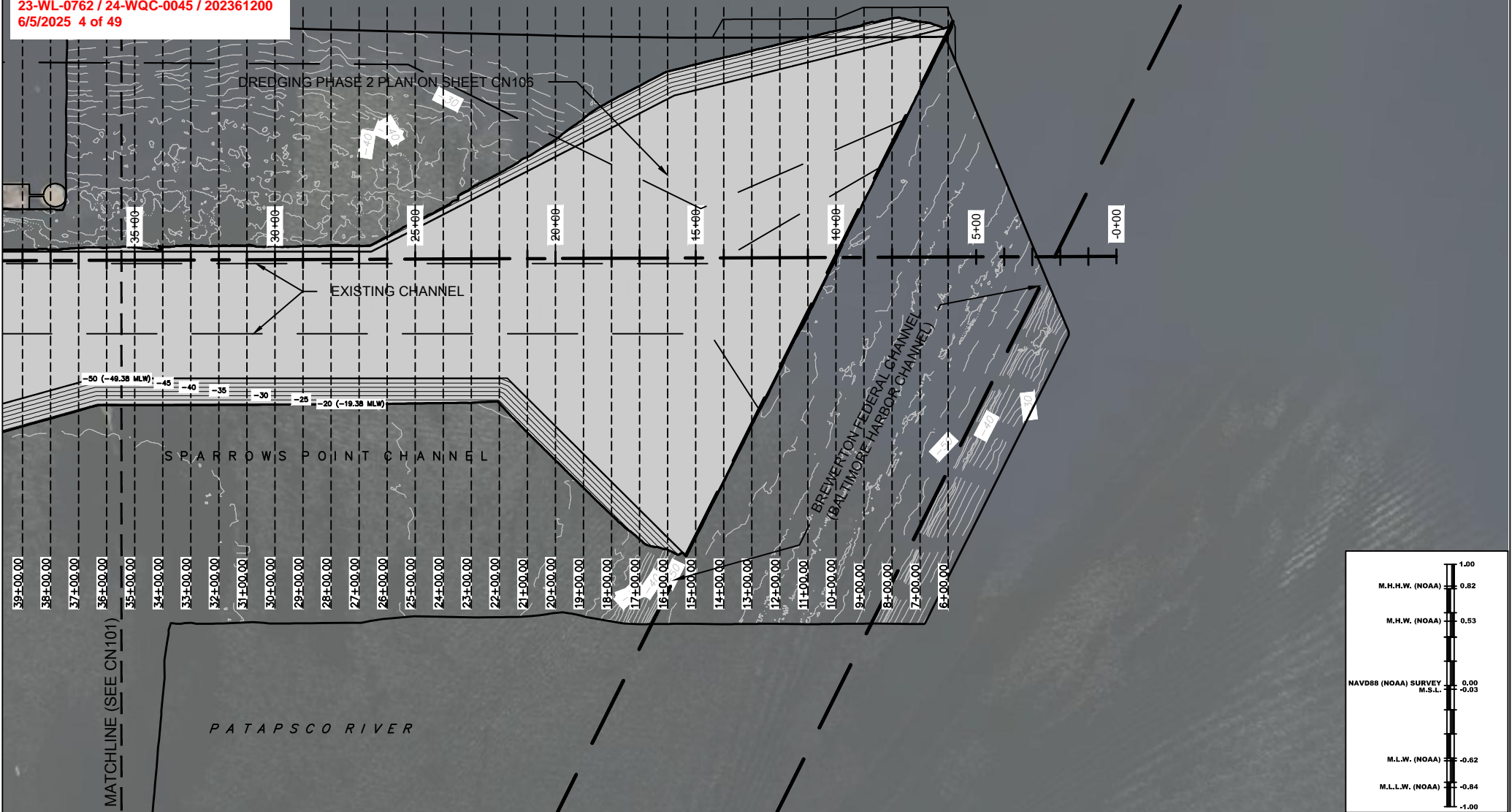
HATCH LANGAN



**SPARROWS POINT
CONTAINER TERMINAL**

**PLAN - DREDGING
GENERAL ARRANGEMENT
(SHEET 1 OF 2)**

DATE 05/02/2025	PROJECT NUMBER	DESIGNED BY ATR	DRAWN BY ATR	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING CN101
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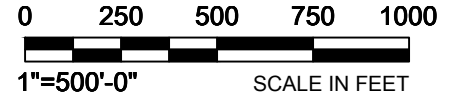


LEGEND:

- PHASE 1A EXCAVATION AREA, AREA TO BE DUG FROM LAND TO -30 NAVD88 (-29.38 MLW) DEPTH, WITH SIDE SLOPES AS SHOWN
- PHASE 1B DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW) DEPTH WITH SIDE SLOPES AS SHOWN FOLLOWING COMPLETION OF PHASE 1A
- PHASE 2 DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
- (40)- DESIGN DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)
- (34)- EXISTING DEPTH CONTOURS NAVD88 (MLW IN PARENTHESES)

NOTES:

- ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
- STATION NUMBERS MEASURED FROM START POINT AT BASELINE WORKING POINT BWP-01. SECTIONS SHOWING THE DREDGE AREA FROM STATION 6+00 TO 76+00 ARE SHOWN ON DRAWINGS CN301 TO CN314.
- THE DREDGE AREA CONSISTS OF THREE PHASES WITH THE PHASE 1A AREA TO BE CONDUCTED FIRST. AREAS TO BE DUG FROM LAND ARE DESIGNATED AS PHASE 1A AND IS TO BE CONDUCTED BEFORE WATER BASED DREDGING OF PHASE 1B. CONSTRUCTION OF PILES AND THE WHARF WILL COMMENCE FOLLOWING THE COMPLETION OF PHASE 1A. PHASE 2 WILL BE CONDUCTED FOLLOWING PHASE 1B TO COMPLETE DREDGING OF THE REMAINDER OF THE PROPOSED CHANNEL.



HATCH

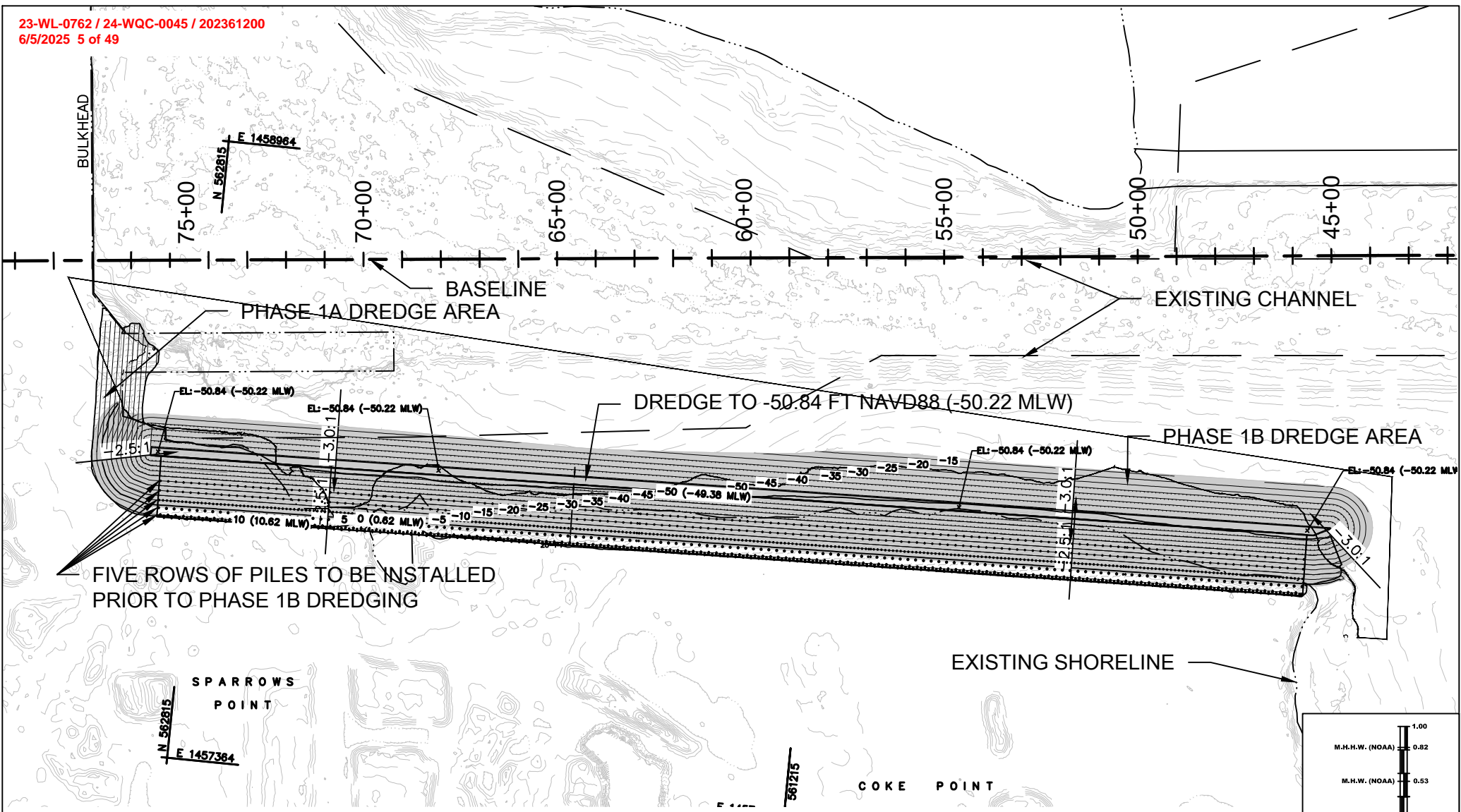
LANGAN



SPARROWS POINT
CONTAINER TERMINAL

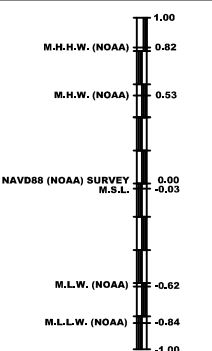
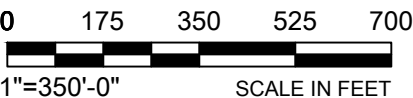
PLAN - DREDGING
GENERAL ARRANGEMENT
(SHEET 2 OF 2)


DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
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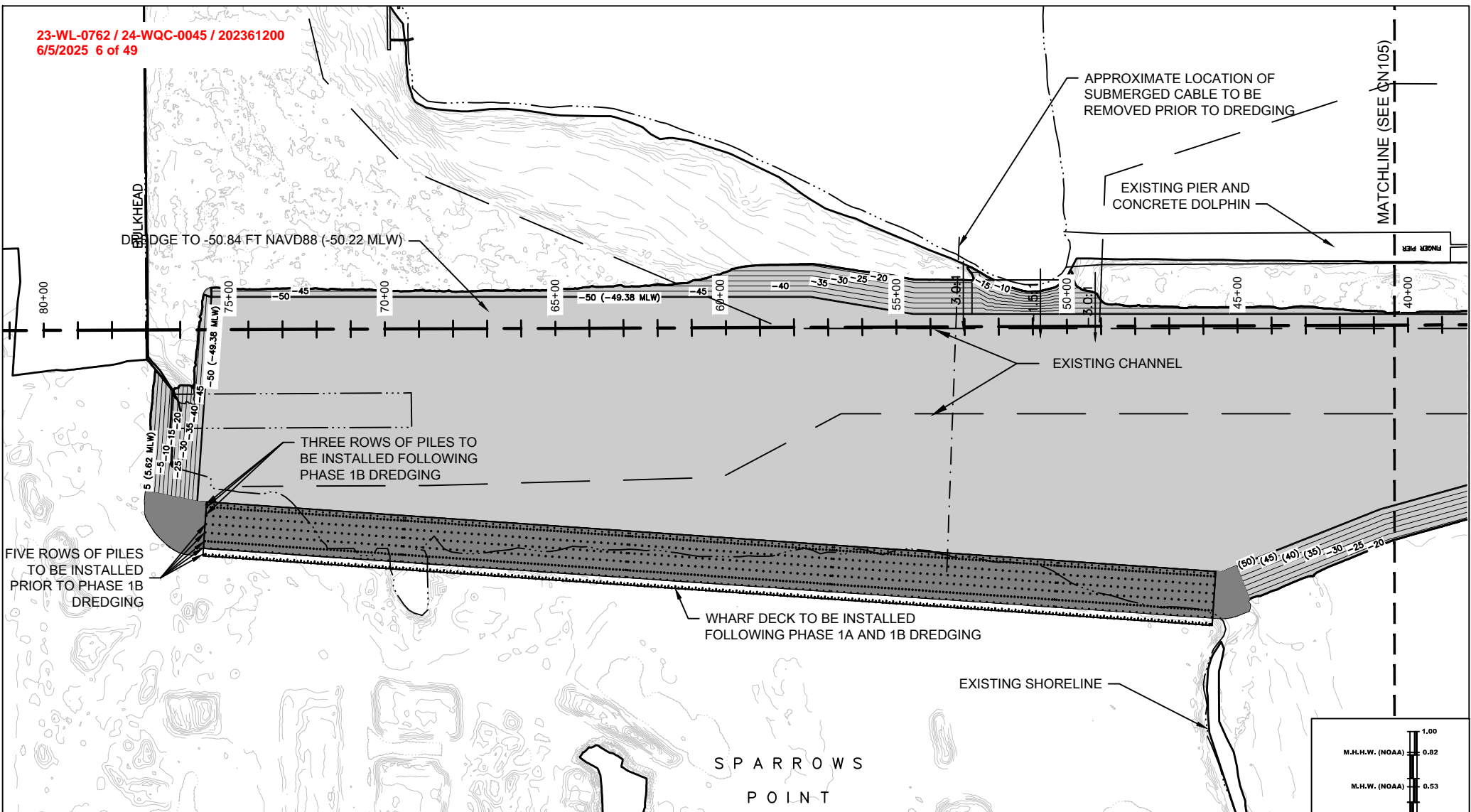


- LEGEND:**
- PHASE 1A EXCAVATION AREA, AREA TO BE DUG FROM LAND TO -30 NAVD88 (-29.38 MLW) DEPTH, WITH SIDE SLOPES AS SHOWN
 - PHASE 1B DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW) DEPTH WITH SIDE SLOPES AS SHOWN FOLLOWING COMPLETION OF PHASE 1A
 - (40) DESIGN DEPTH CONTOURS NAVD88
 - (34) EXISTING DEPTH CONTOURS NAVD88

- NOTES:**
- ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
 - PHASE 1 WILL BE CONDUCTED IN TWO SECTIONS, WITH AREAS TO BE DUG FROM LAND DESIGNATED AS PHASE 1A AND IS TO BE CONDUCTED BEFORE WATER BASED DREDGING OF PHASE 1B. CONSTRUCTION OF PILES AND THE WHARF WILL COMMENCE FOLLOWING THE COMPLETION OF PHASE 1A. PHASE 2 WILL BE CONDUCTED FOLLOWING PHASE 1B TO COMPLETE DREDGING OF THE REMAINDER OF THE PROPOSED CHANNEL.
 - THE FIVE WESTERMOST ROWS OF PILES ARE TO BE INSTALLED FOLLOWING PHASE 1A AND BEFORE THE START OF PHASE 1B DREDGING.



HATCH		LANGAN				SPARROWS POINT CONTAINER TERMINAL		PLAN - DREDGING PHASE 1	
DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING		
05/02/2025		ATR	ATR				CN103		

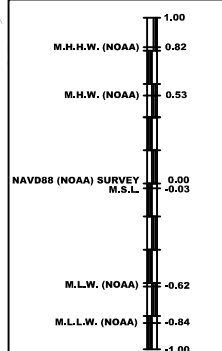
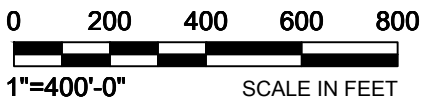


LEGEND:

- PHASE 1 DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
- PHASE 2 DREDGING AREA, AREA TO BE DREDGED TO -50.84 NAVD88 (-50.22 MLW), DEPTH WITH SIDE SLOPES AS SHOWN.
- (-40) DESIGN DEPTH CONTOURS NAVD88
- (-34) EXISTING DEPTH CONTOURS NAVD88

NOTES:

- ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.
- THE FIVE WESTERMOST ROWS OF PILES ALONG WHARF TO BE INSTALLED FOLLOWING PHASE 1A DREDGING AND PRIOR TO PHASE 1B DREDGING.
- PHASE 1 DREDGE AREA CONSISTS OF PHASE 1A AND PHASE 1B AS INDICATED ON SHEET CN103.



HATCH LANGAN

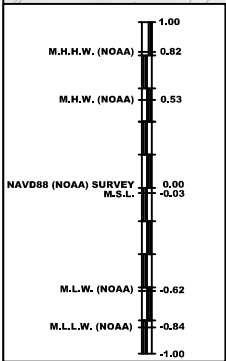
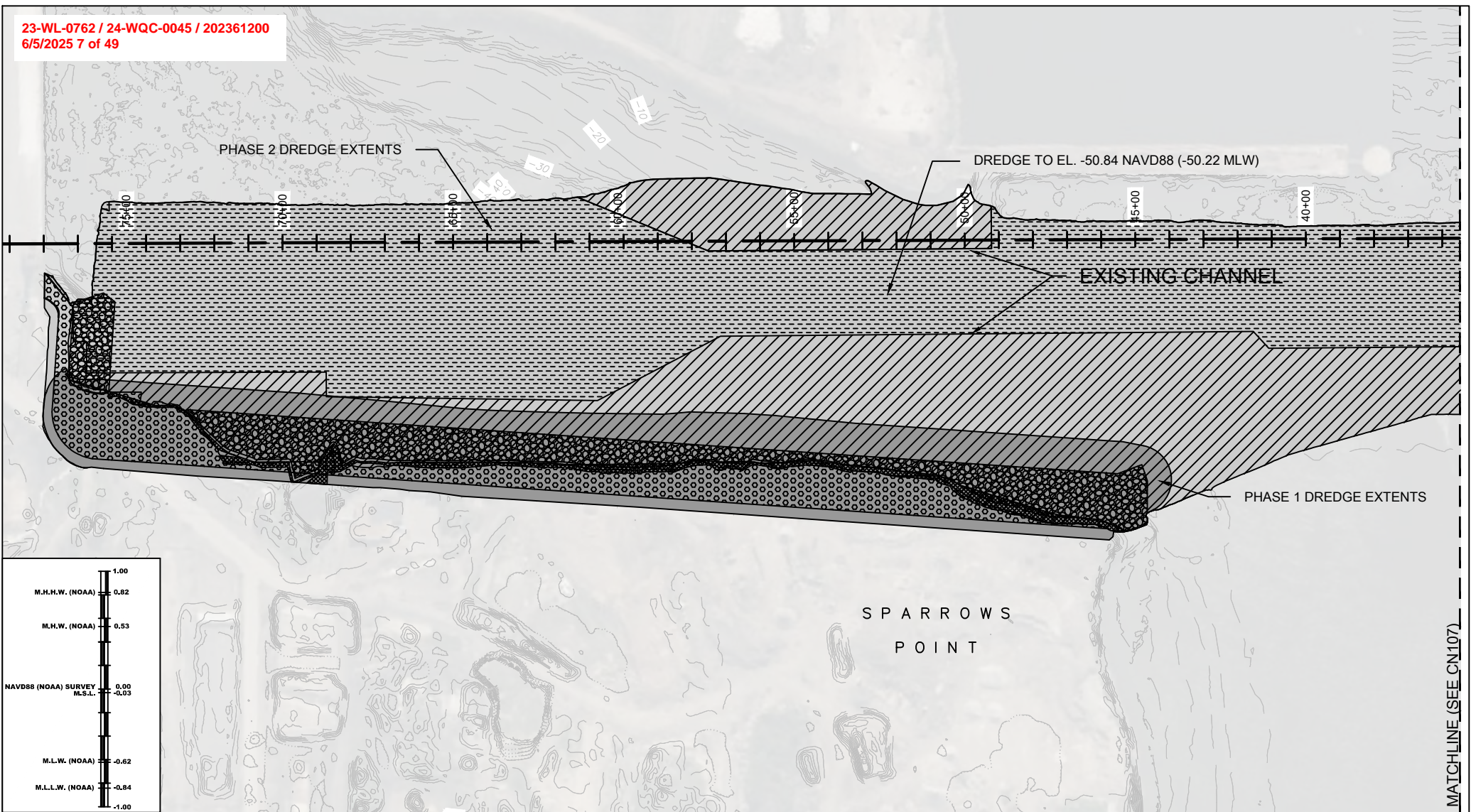


**SPARROWS POINT
CONTAINER TERMINAL**

**PLAN - DREDGING
PHASE 2
(SHEET 1 OF 2)**

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

DATE 05/02/2025	PROJECT NUMBER	DESIGNED BY ATR	DRAWN BY ATR	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING CN104
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- LEGEND:**
- PHASE 1 DREDGING AREA
 - PHASE 2 DREDGING AREA
 - AREA PREVIOUSLY DREDGED AS MAINTENANCE DREDGING
 - (34) EXISTING DEPTH CONTOURS NAVD88
- IMPACTS:**
- DREDGING AREAS NOT PREVIOUSLY DREDGED AS MAINTENANCE DREDGING
 - DREDGING AREA BETWEEN 0.0' AND 3.0' MLW
 - REVTMENT STONE PLACED GREATER THAN 10' CHANNELWARD OF THE EXISTING MHWL
 - OPEN WATER CREATED THROUGH EXCAVATION

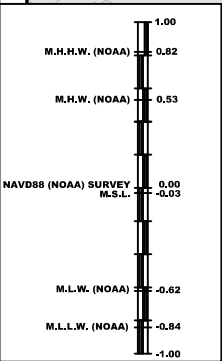
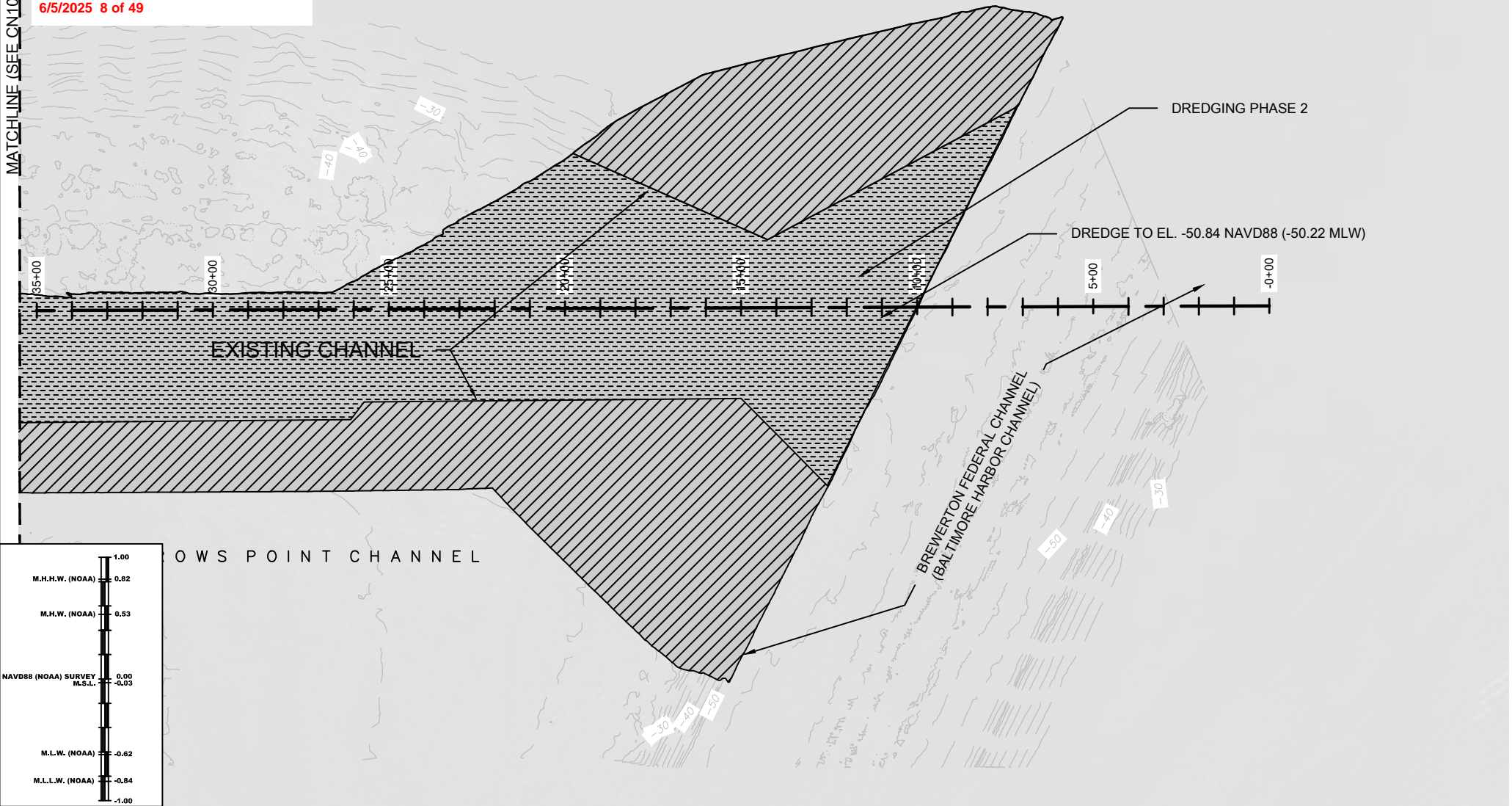


NOTES:
1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

<div><div>HATCH</div><div>LANGAN</div></div>			<div><div>SPARROWS POINT</div><div>CONTAINER TERMINAL</div></div>			<div>PLAN - DREDGING IMPACTS</div> <div>(SHEET 1 OF 2)</div>	
DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN106

MATCHLINE (SEE CN106)

23-WL-0762 / 24-WQC-0045 / 202361200
6/5/2025 8 of 49



LEGEND:

PHASE 1 DREDGING AREA

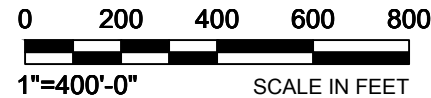
PHASE 2 DREDGING AREA

AREA PREVIOUSLY DREDGED AS MAINTENANCE DREDGING

(34) EXISTING DEPTH CONTOURS NAVD88

IMPACTS:

DREDGING AREAS NOT PREVIOUSLY DREDGED AS MAINTENANCE DREDGING



NOTES:

- ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH

LANGAN



SPARROWS POINT
CONTAINER TERMINAL

PLAN - DREDGING IMPACTS
(SHEET 2 OF 2)

DATE
05/02/2025

PROJECT NUMBER

DESIGNED BY
ATR

DRAWN BY
ATR

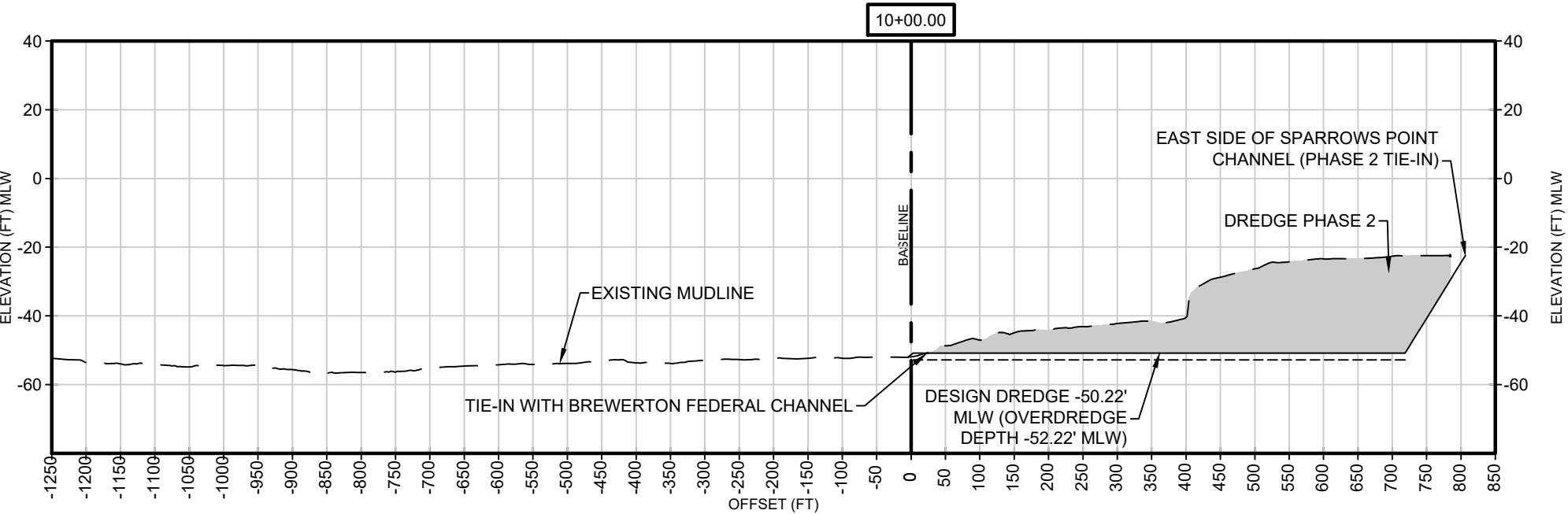
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PROJECT MGR.

SHEET NUMBER

DRAWING
CN107

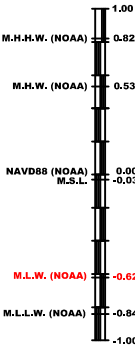
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- LEGEND:**
- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



HATCH LANGAN

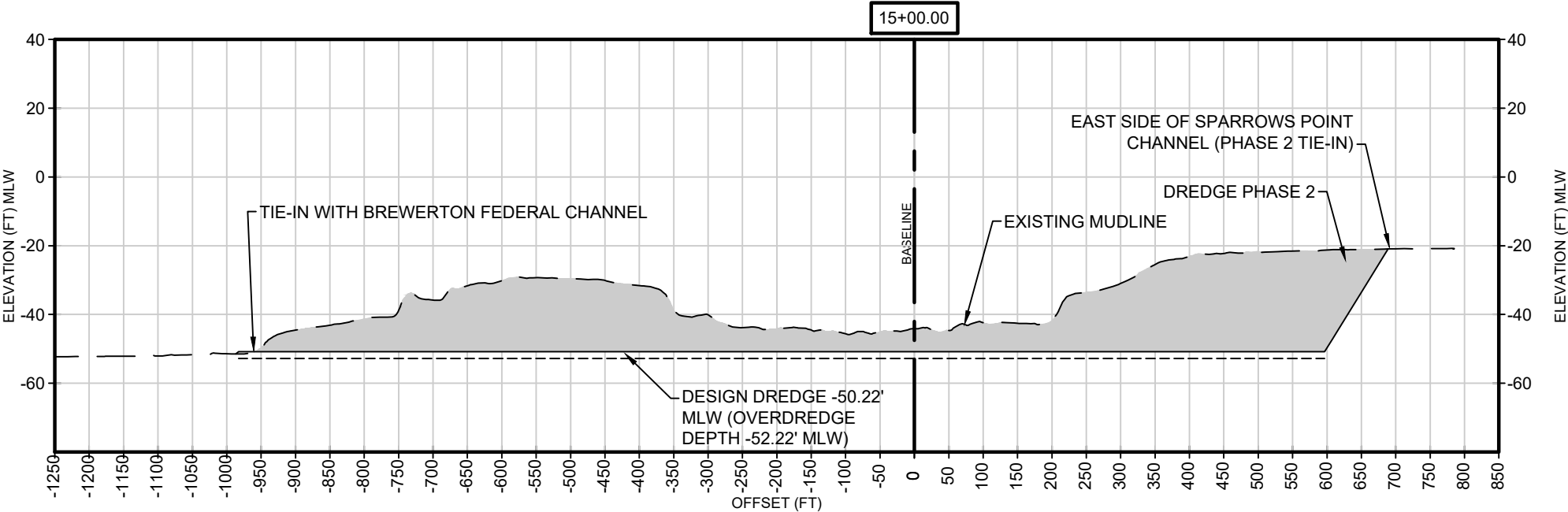


SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 1 OF 14)

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN301

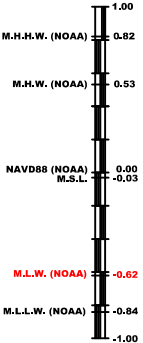


LEGEND:

- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



HATCH **LANGAN**

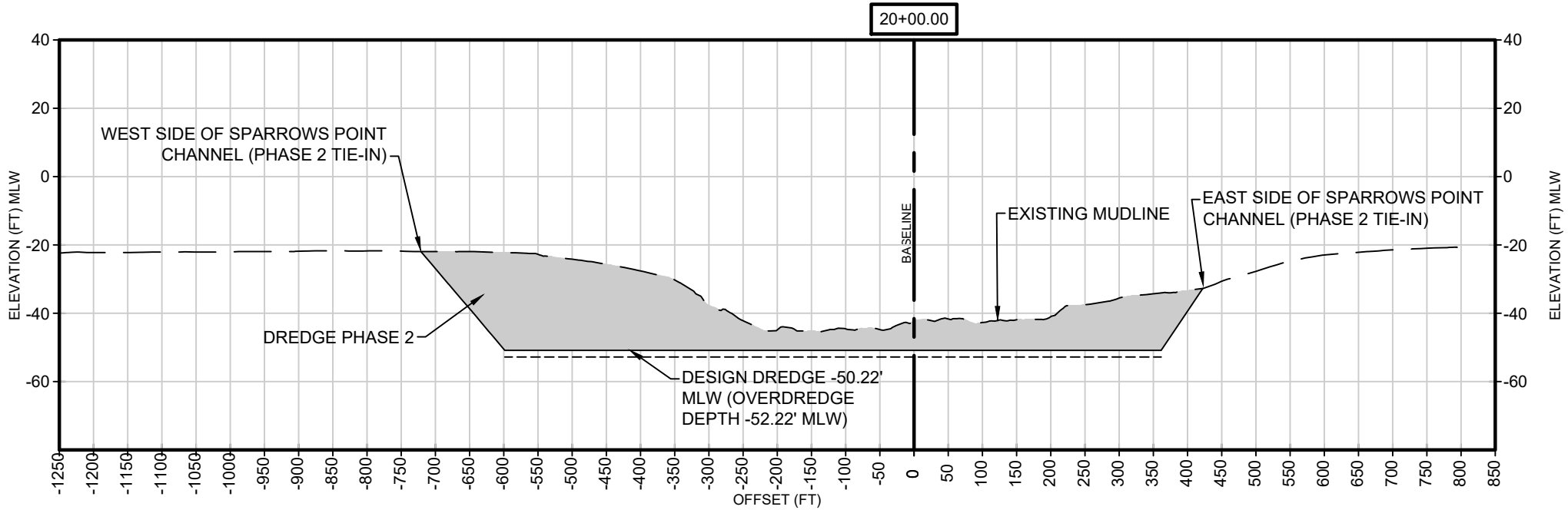


SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 2 OF 14)

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC. ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

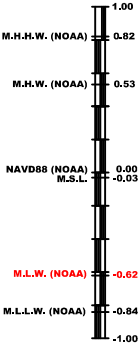
DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN302



- LEGEND:**
- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



HATCH

LANGAN

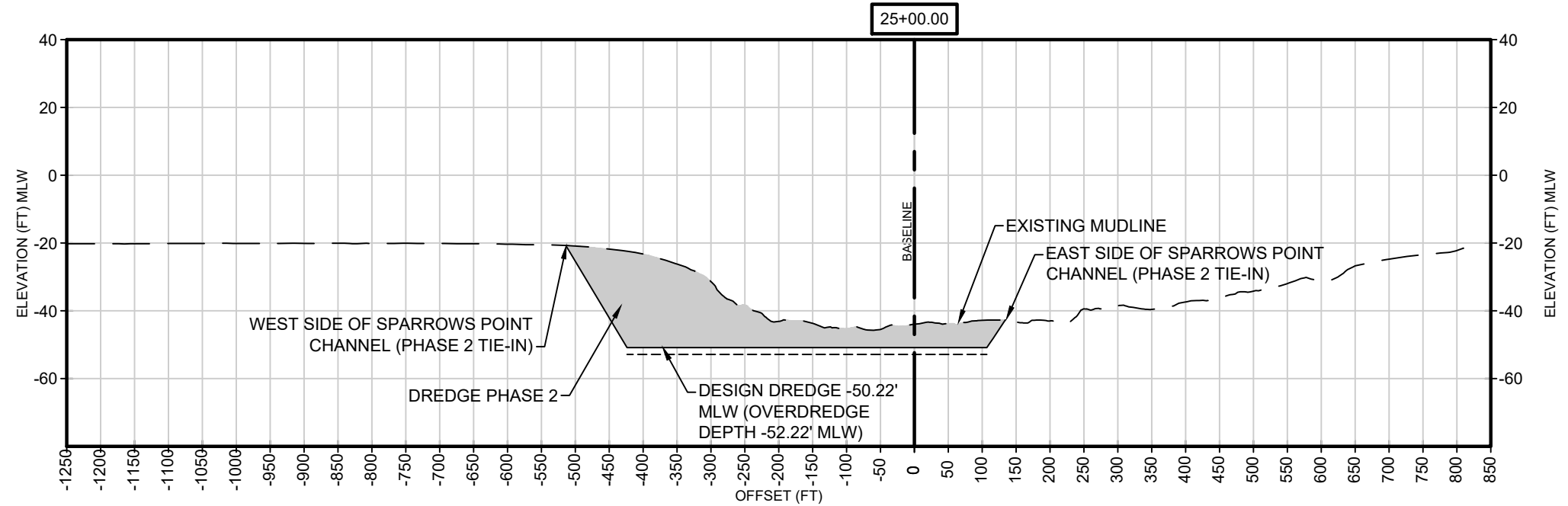


SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 3 OF 14)

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC. ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN303

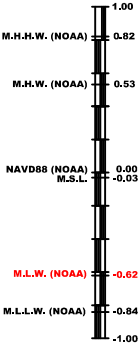


LEGEND:

	PHASE 1A DREDGING AREA		APPROX. BOTTOM OF SLAG		OVERDREDGE
	PHASE 1B DREDGING AREA		DESIGN DEPTH		BOTTOM OF REVETMENT
	PHASE 2 DREDGING AREA		EXISTING MUDLINE		



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



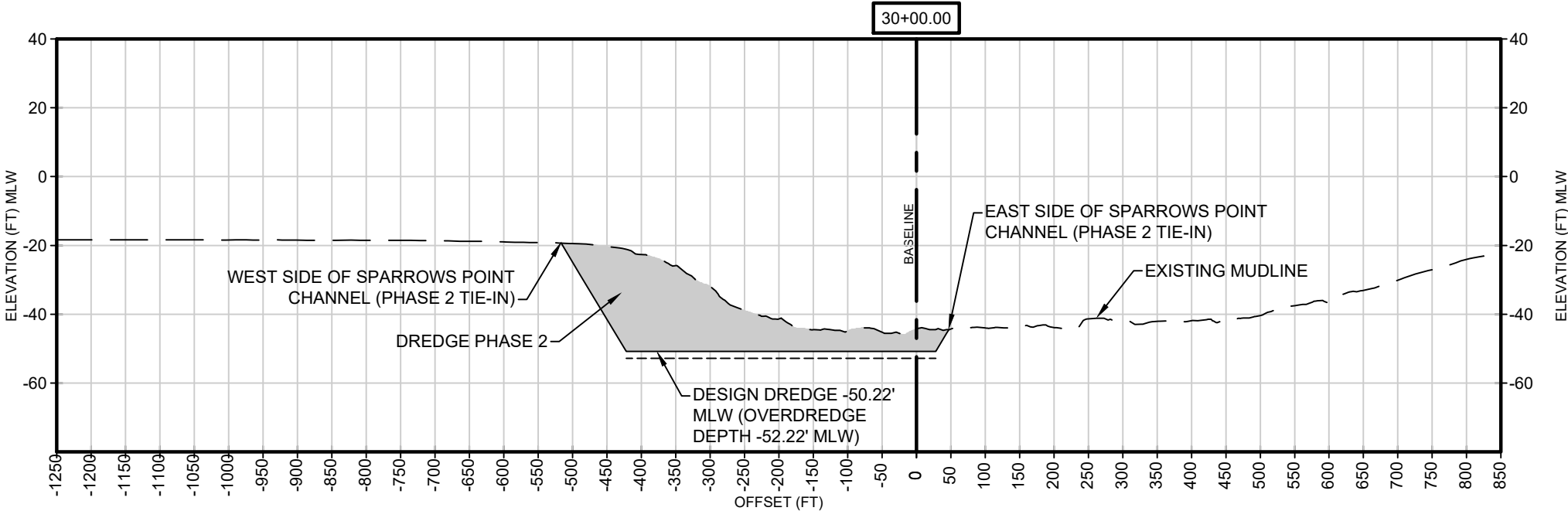
HATCH **LANGAN**



SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 4 OF 14)

DATE 05/02/2025	PROJECT NUMBER	DESIGNED BY ATR	DRAWN BY ATR	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING CN304
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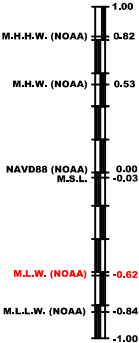


LEGEND:

	PHASE 1A DREDGING AREA		APPROX. BOTTOM OF SLAG		OVERDREDGE
	PHASE 1B DREDGING AREA		DESIGN DEPTH		BOTTOM OF REVETMENT
	PHASE 2 DREDGING AREA		EXISTING MUDLINE		



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



HATCH LANGAN

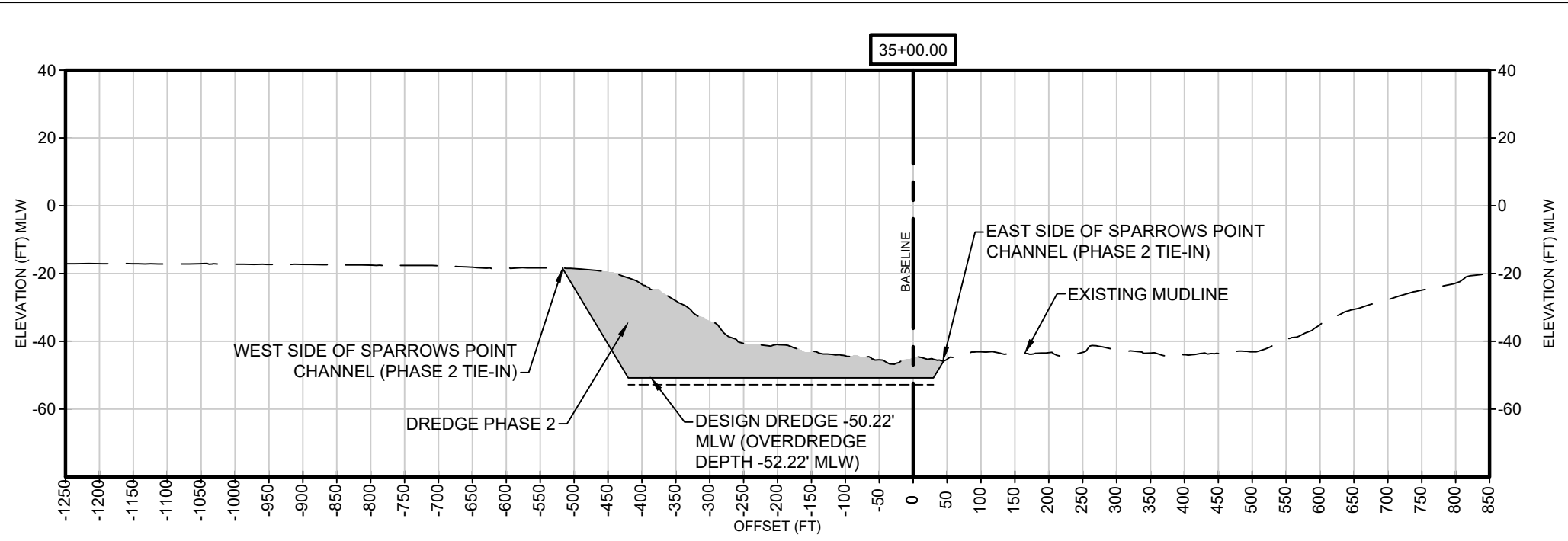


SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 5 OF 14)

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC. ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN305

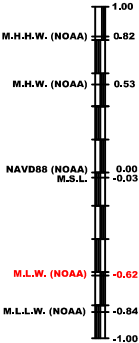


LEGEND:

- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



HATCH

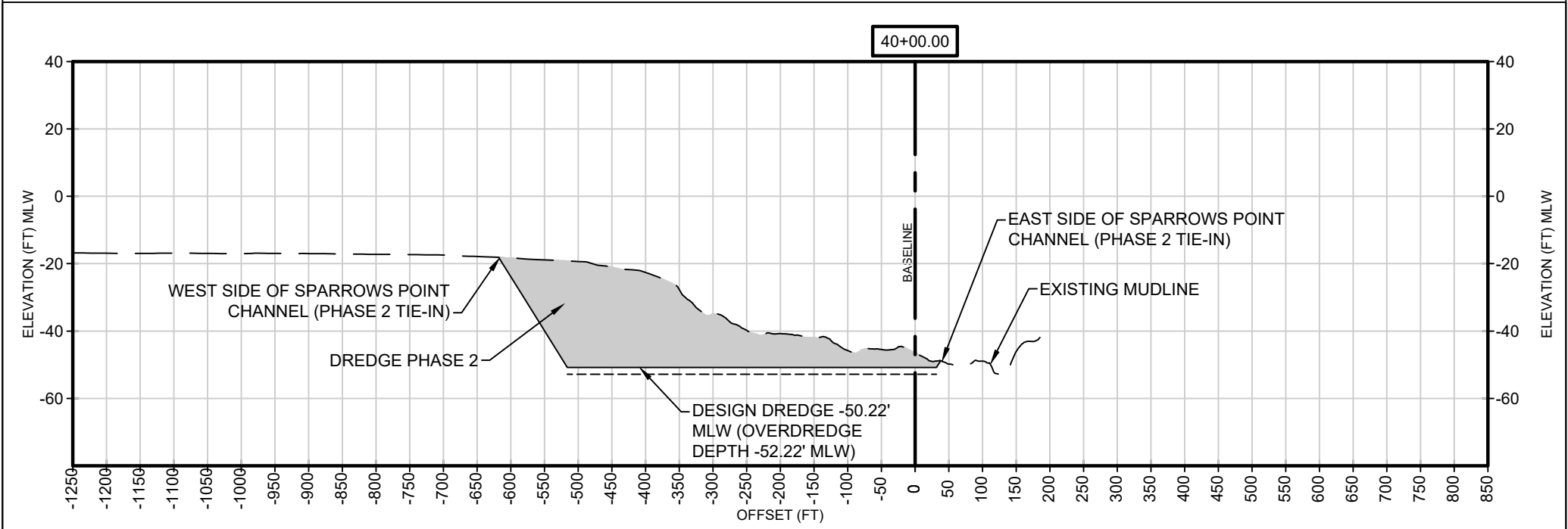
LANGAN



SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 6 OF 14)

DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN306

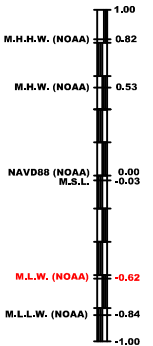


LEGEND:

- | | | |
|------------------------|------------------------|---------------------|
| PHASE 1A DREDGING AREA | APPROX. BOTTOM OF SLAG | OVERDREDGE |
| PHASE 1B DREDGING AREA | DESIGN DEPTH | BOTTOM OF REVETMENT |
| PHASE 2 DREDGING AREA | EXISTING MUDLINE | |

0 110 220 330 440
1"=220'-0" SCALE IN FEET
5X VERTICAL EXAGGERATION

NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



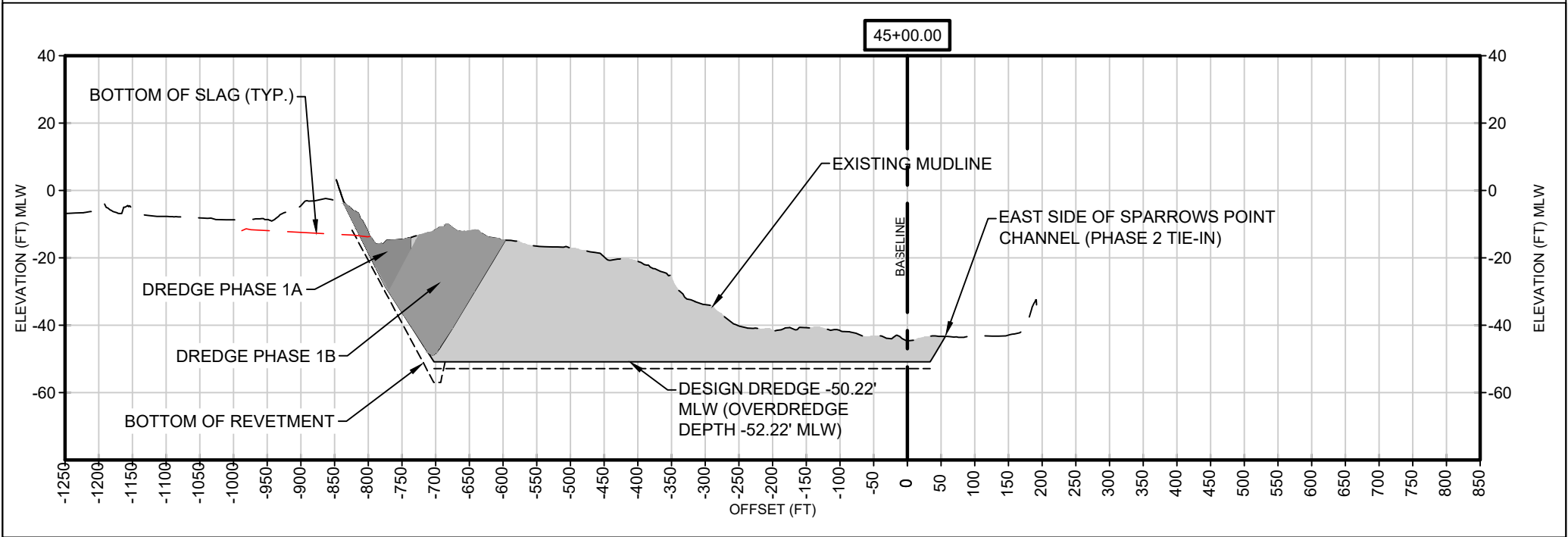
HATCH LANGAN



SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 7 OF 14)

DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN307

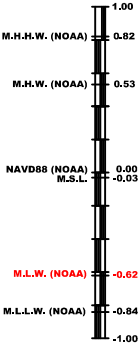


LEGEND:

- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



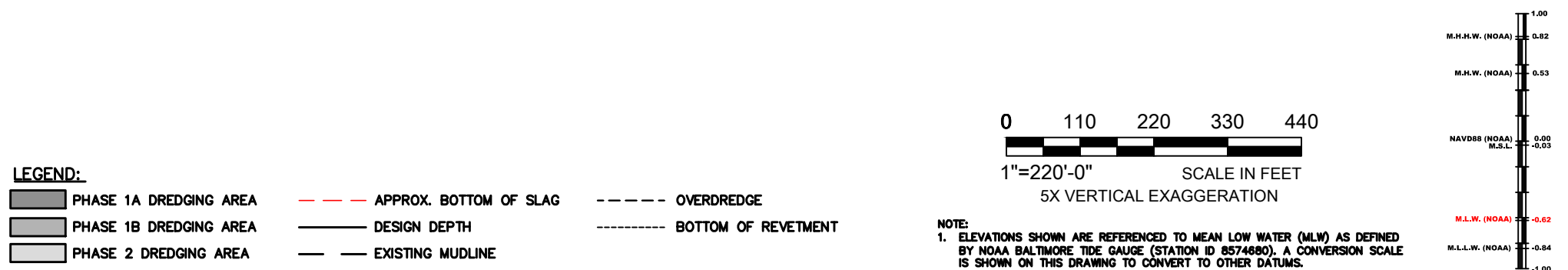
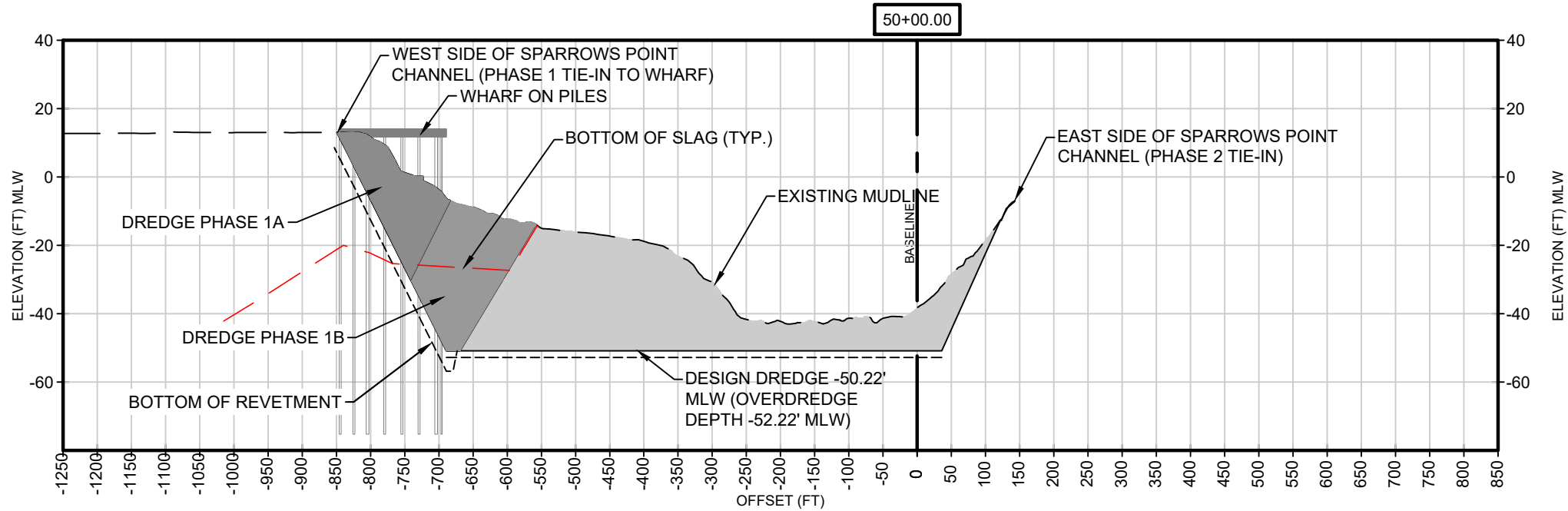
HATCH **LANGAN**



SPARROWS POINT
CONTAINER TERMINAL

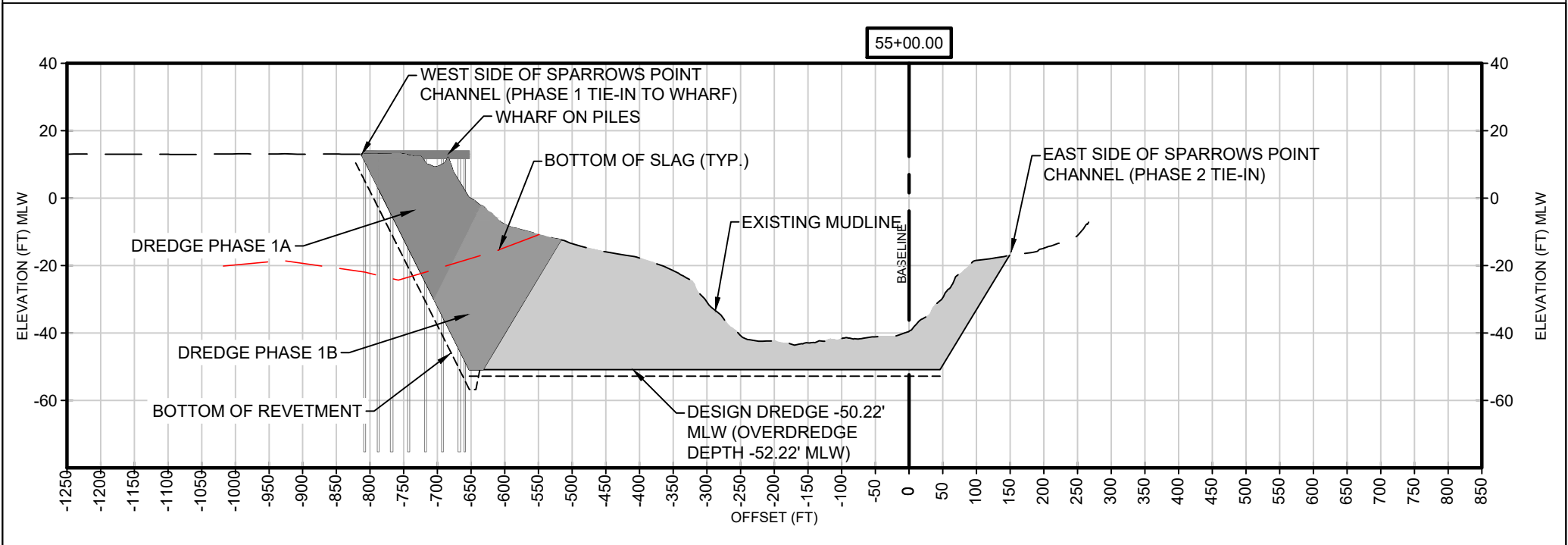
SECTIONS - DREDGING
(SHEET 8 OF 14)

DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN308

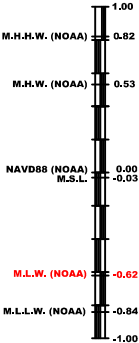


HATCH LANGAN			SPARROWS POINT CONTAINER TERMINAL			SECTIONS - DREDGING (SHEET 9 OF 14)	
DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN309

SHEET SIZE: A



- LEGEND:**
- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

HATCH

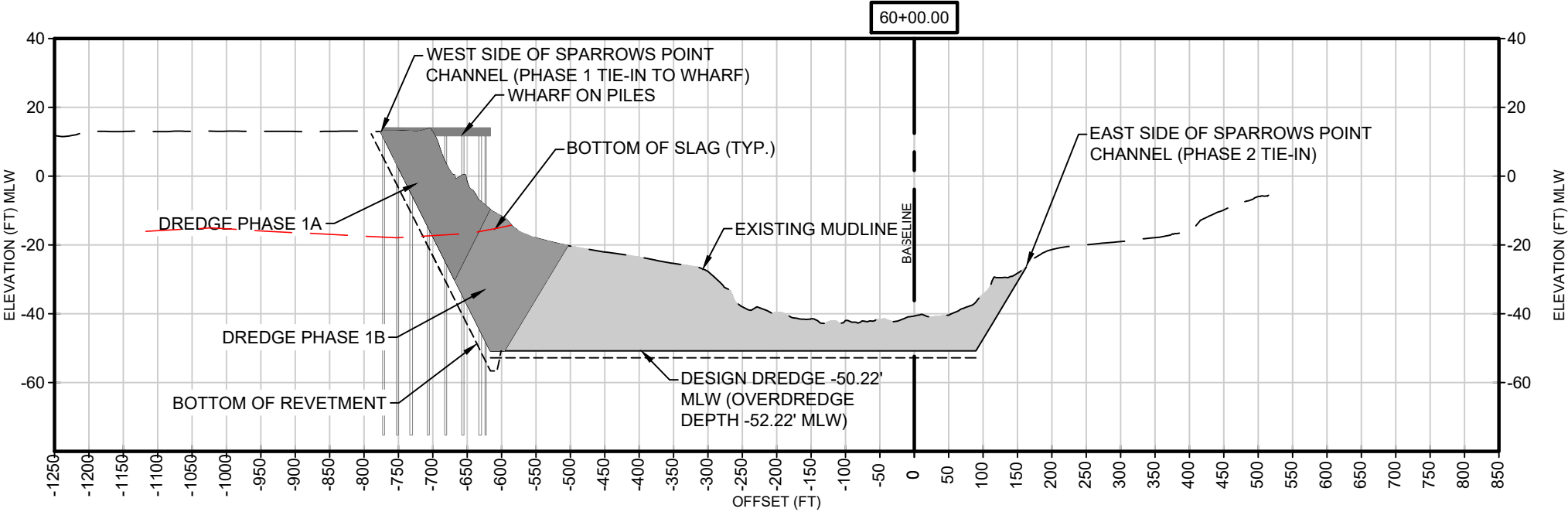
LANGAN



SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 10 OF 14)

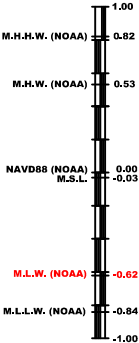
DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN310



- LEGEND:**
- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



HATCH

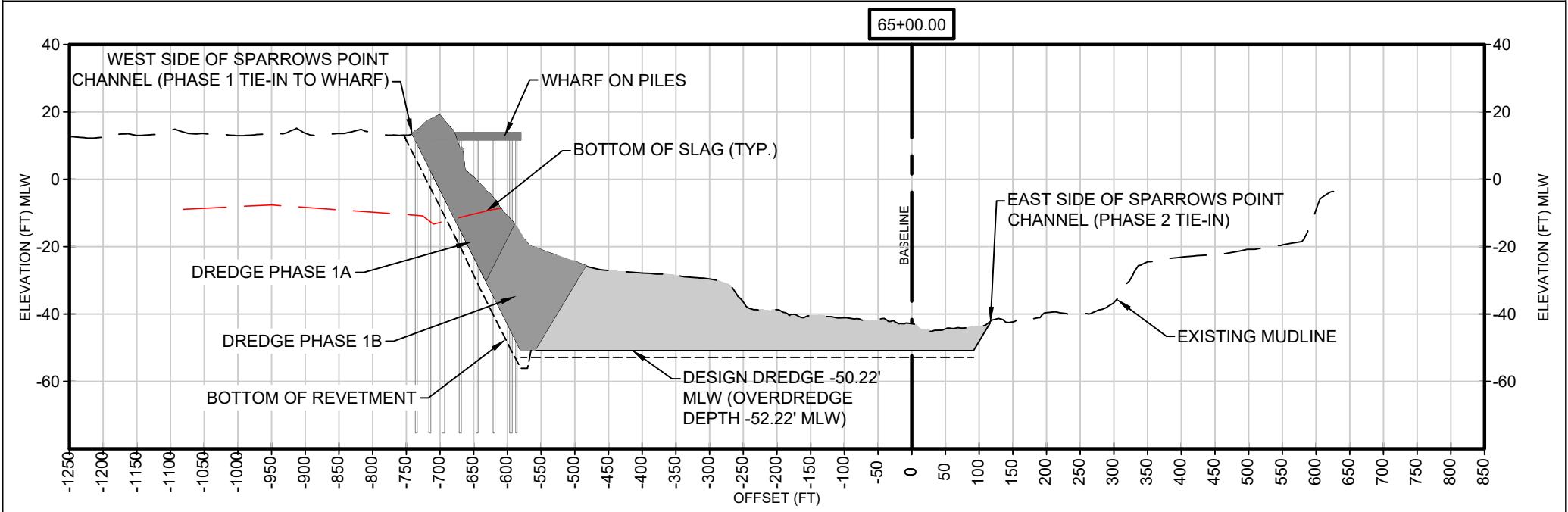
LANGAN



SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 11 OF 14)

DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				CN311

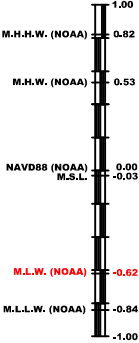


LEGEND:

- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



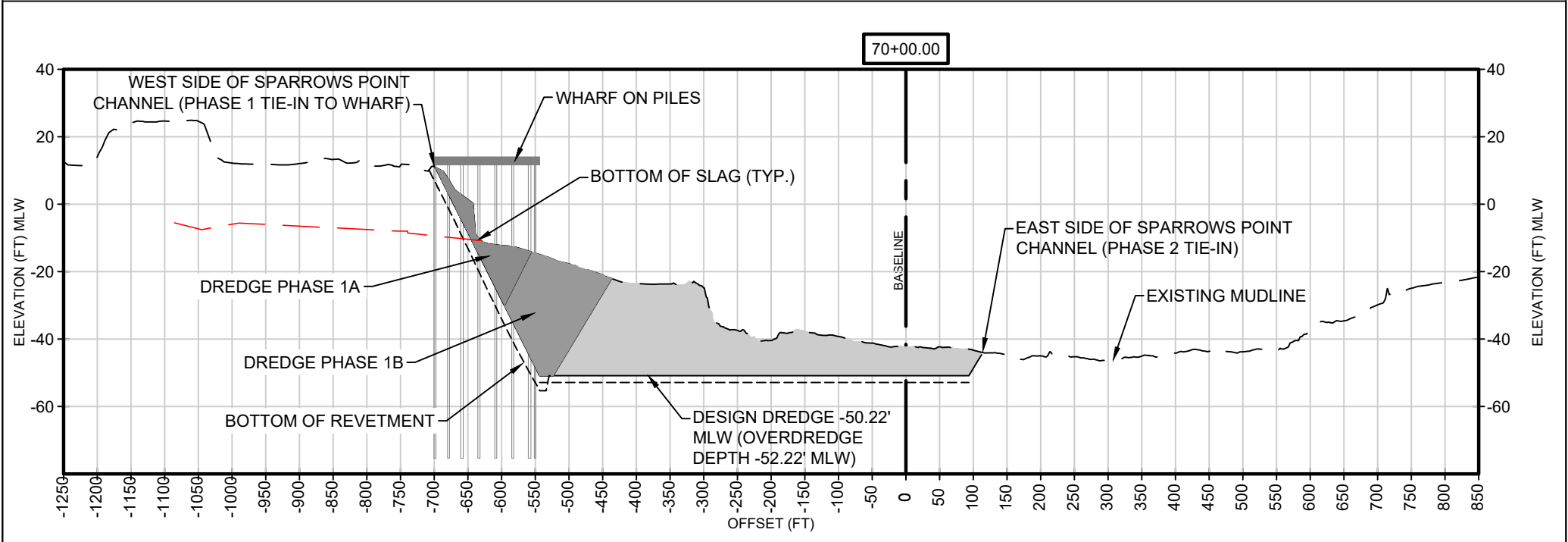
HATCH **LANGAN**



SPARROWS POINT
CONTAINER TERMINAL

SECTIONS - DREDGING
(SHEET 12 OF 14)

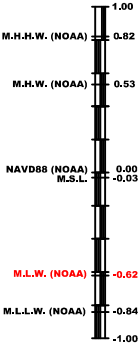
DATE 05/02/2025	PROJECT NUMBER	DESIGNED BY ATR	DRAWN BY ATR	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING CN312
--------------------	----------------	--------------------	-----------------	------------	--------------	--------------	------------------



- LEGEND:**
- | | | | | | |
|--|------------------------|--|------------------------|--|---------------------|
| | PHASE 1A DREDGING AREA | | APPROX. BOTTOM OF SLAG | | OVERDREDGE |
| | PHASE 1B DREDGING AREA | | DESIGN DEPTH | | BOTTOM OF REVETMENT |
| | PHASE 2 DREDGING AREA | | EXISTING MUDLINE | | |



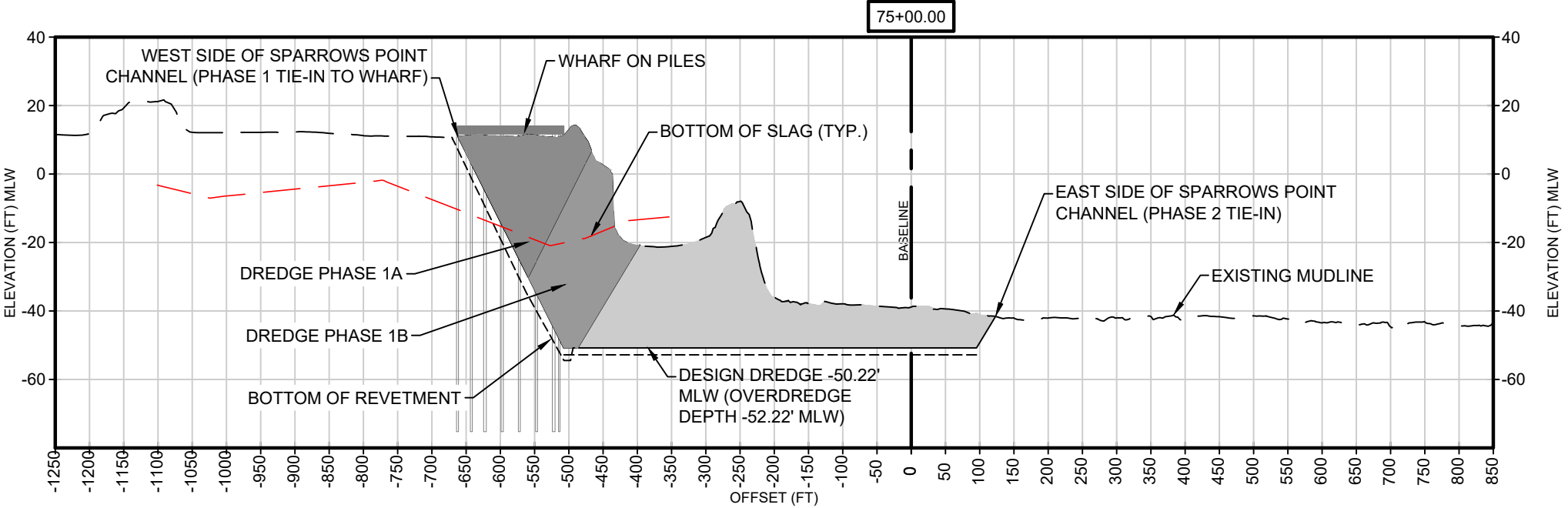
NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



				SPARROWS POINT CONTAINER TERMINAL		SECTIONS - DREDGING (SHEET 13 OF 14)	
DATE 05/02/2025	PROJECT NUMBER	DESIGNED BY ATR	DRAWN BY ATR	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING CN313

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC. ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

SHEET SIZE: A

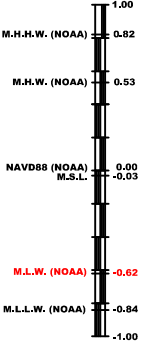


LEGEND:

	PHASE 1A DREDGING AREA		APPROX. BOTTOM OF SLAG		OVERDREDGE
	PHASE 1B DREDGING AREA		DESIGN DEPTH		BOTTOM OF REVETMENT
	PHASE 2 DREDGING AREA		EXISTING MUDLINE		



NOTE:
1. ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOW WATER (MLW) AS DEFINED BY NOAA BALTIMORE TIDE GAUGE (STATION ID 8574680). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.



						SPARROWS POINT CONTAINER TERMINAL		SECTIONS - DREDGING (SHEET 14 OF 14)	
DATE 05/02/2025	PROJECT NUMBER	DESIGNED BY ATR	DRAWN BY ATR	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING CN314	SHEET SIZE: A	

DREDGING IMPACTS SUMMARY

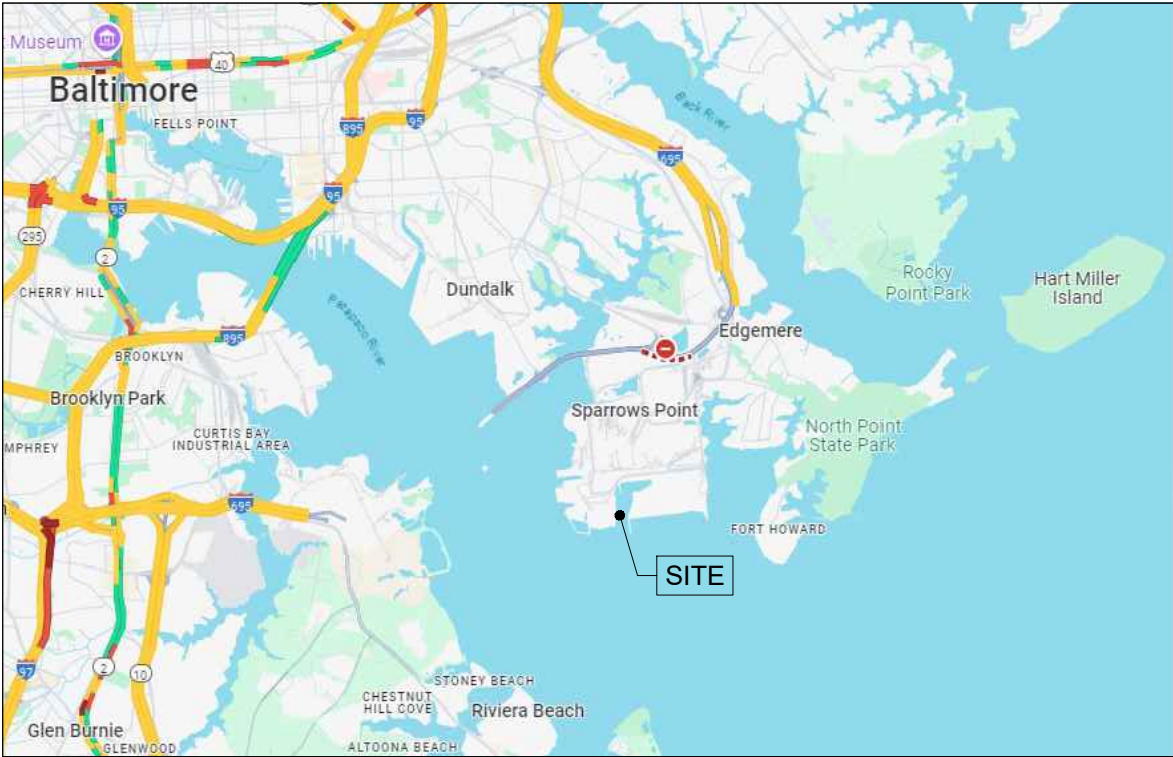
SPARROWS POINT CHANNEL

PROPOSED DREDGE QUANTITIES	
Proposed Total Dredge Footprint (SF)	5,907,855
Proposed Total Dredge Footprint (Acres)	135.63
Previously Permitted Maintenance Dredge Footprint (SF)	2,925,513
Previously Permitted Maintenance Dredge Footprint (Acres)	67.16
Proposed Dredge Footprint Not Previously Maintained as Maintenance Dredging (SF)	2,705,013
Proposed Dredge Footprint Not Previously Maintained as Maintenance Dredging (Acres)	62.10
Proposed Dredge Volume (CY)	4,200,000
Open Water Created Through Excavation (SF)	277,329
Open Water Created Through Excavation (Acres)	6.37
Proposed Dredge Footprint Between MHW and -3 MLW (SF)	65,527
Proposed Dredge Footprint Between MHW and -3 MLW (Acres)	1.50
Excavation Volume (CY)	133,361

SPARROWS POINT CONTAINER TERMINAL WHARF

SHORELINE IMPACT

BALTIMORE COUNTY, MARYLAND



LIST OF DRAWINGS:

DRAWING NO.	SHEET	DRAWING TITLE
0001	1	TITLE SHEET
0002	2	GENERAL ARRANGEMENT
CN108		NORTH OF WHARF
0003	3	WHARF PLAN SHEET 1 OF 2
0004	4	WHARF PLAN SHEET 2 OF 2
CN109		SOUTH OF WHARF
0005	5	INTENTIONALLY OMITTED
0006	6	SECTION
0007	7	SECTION
0008	8	SECTION
0009	9	SECTION
0010	10	IMPACT

HATCH

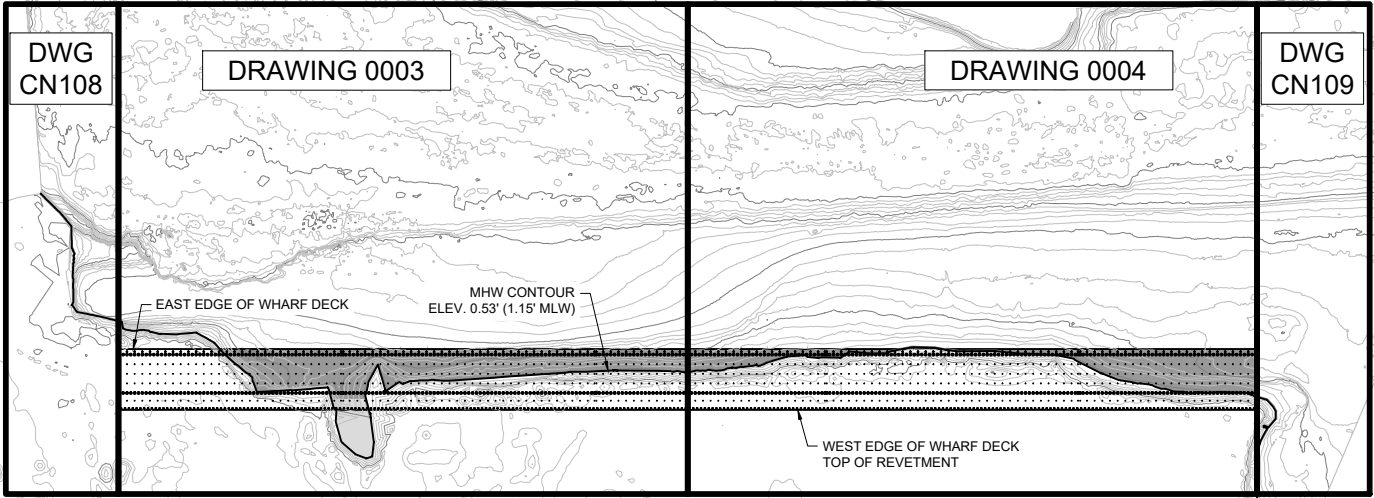


THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

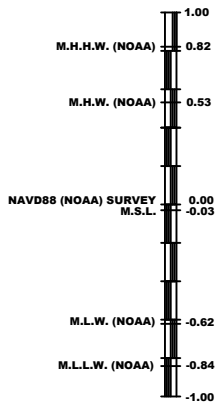
TITLE SHEET

DATE 25/0 - 4	PROJECT NUMBER H374437	DESIGNED BY SARA SHATZ	DRAWN BY TIM DONOVAN	CHECKED BY SARA SHATZ	PROJECT MGR. JOSHUA NELSON	SHEET NUMBER 1 OF 10	DRAWING 0001
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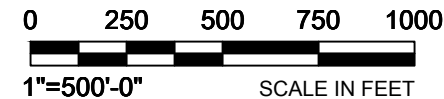


LEGEND

- WHARF FOOTPRINT CHANNELWARD ENCROACHMENT
- EXISTING MHW SHORELINE (ELEV. 0.53' NAVD88, 1.15' MLW)
- SLAG FILL
- WHARF PILES (TYP.) PILES IN SHADED AREA ARE CHANNELWARD OF M.H.W.



NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION



HATCH

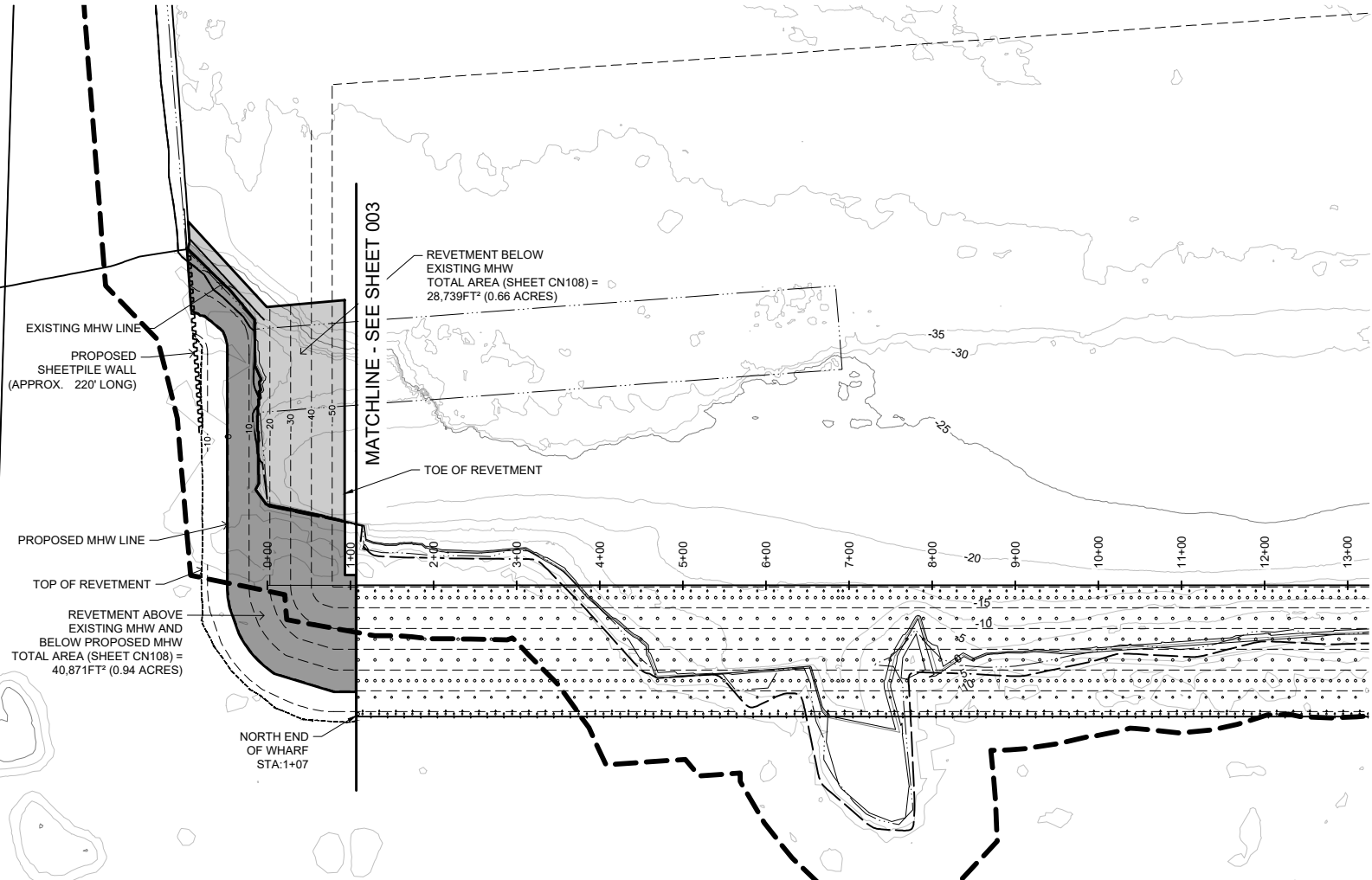
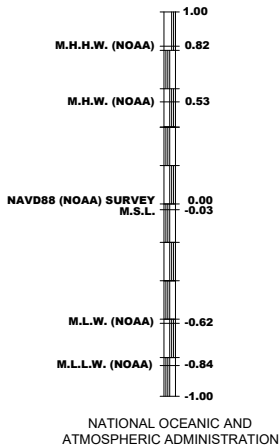


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SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

GENERAL ARRANGEMENT

DATE 25/05/21	PROJECT NUMBER H374437	DESIGNED BY SARA SHATZ	DRAWN BY TIM DONOVAN	CHECKED BY SARA SHATZ	PROJECT MGR. JOSHUA NELSON	SHEET NUMBER 2 OF 10	DRAWING 0002
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SPARROWS POINT CONTAINER TERMINAL

LEGEND

M.L.W. (ELEV. 0' MLW, -0.62 NAVD88)

EXISTING M.H.W. (ELEV. 1.15 MLW, 0.53' NAVD88)

PROPOSED M.H.W. (ELEV. 1.15 MLW, 0.53' NAVD88)

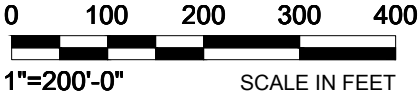
WATERS OF THE UNITED STATES BOUNDARY

FEMA 100-YEAR FLOOD BOUNDARY

100-YEAR FLOODPLAIN 100-FOOT MODIFIED BUFFER

PROPOSED POST-DREDGE SURFACE CONTOUR (10-FT INTERVAL)

NOTE:
DREDGING BELOW -3' MLW, WHERE NOT COVERED BY THE
REVETMENT, IS NOT SHOWN ON THIS SHEET. PLEASE SEE
SHEETS CN101 THROUGH CN107 FOR DREDGE QUANTITIES.

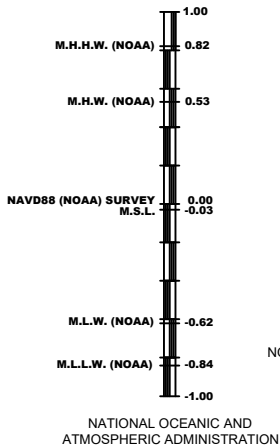


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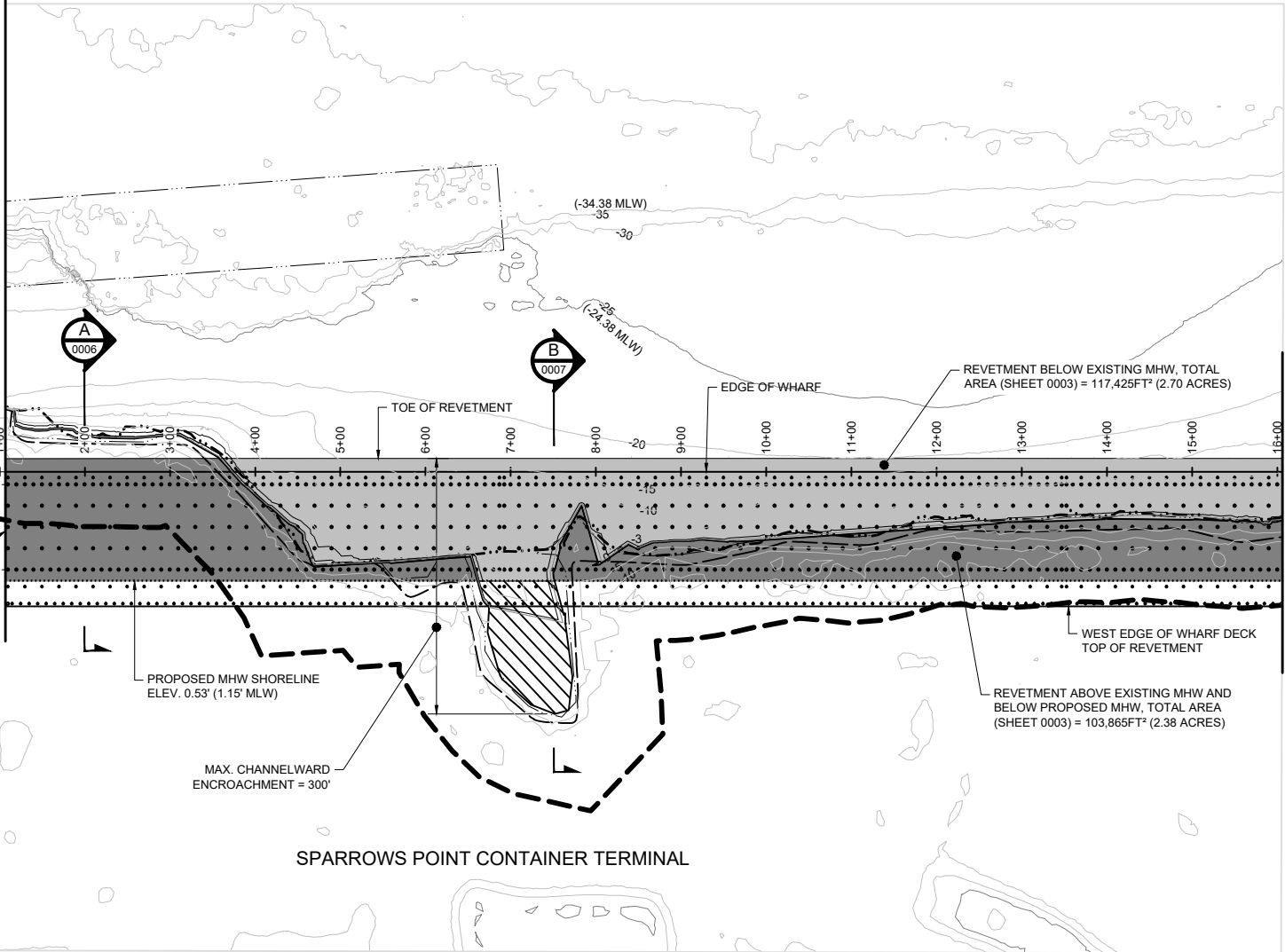
SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

PLAN - NORTH OF WHARF

DATE 25/05/21	PROJECT NUMBER H374437	DESIGNED BY ANTHONY RUANE	DRAWN BY ANTHONY RUANE	CHECKED BY CHRIS KAKOLEWSKI	PROJECT MGR. CHRIS KAKOLEWSKI	SHEET NUMBER	DRAWING CN108
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MATCHLINE - SEE DRAWING CN108

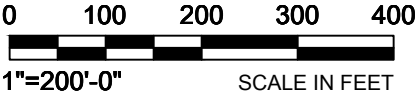


MATCHLINE - SEE DRAWING 0004

LEGEND

- AREA OF LAND INFILL ABOVE MHW (SLAG FILL)
TOTAL AREA = 12,468FT² (0.29 ACRES)
- REVTMENT ABOVE EXISTING MHW AND BELOW PROPOSED MHW, TOTAL AREA (SHEET 0003) = 103,865FT² (2.38 ACRES)
- REVTMENT BELOW EXISTING MHW
TOTAL AREA (SHEET 0003) = 117,425FT² (2.70 ACRES)
- EXISTING MLW SHORELINE (ELEV. -0.62' NAVD88, 0.0' MLW)
- EXISTING MHW SHORELINE (ELEV. 0.53' NAVD88, 1.15' MLW)
- PROPOSED MHW SHORELINE (ELEV. 0.53' NAVD88, 1.15' MLW)
- WATERS OF THE UNITED STATES BOUNDARY
- FEMA 100-YEAR FLOOD BOUNDARY
- 100-YEAR FLOODPLAIN 100-FOOT MODIFIED BUFFER
- WHARF PILES (TYP.)
TOTAL PILE AREA (SHEET 0003) CHANNELWARD OF EXISTING MHW = 2,145 FT² (0.05 ACRES)

NOTE:
DREDGING IS NOT SHOWN ON THIS SHEET. PLEASE SEE
SHEETS CN101 THROUGH CN107 FOR DREDGE QUANTITIES.



HATCH

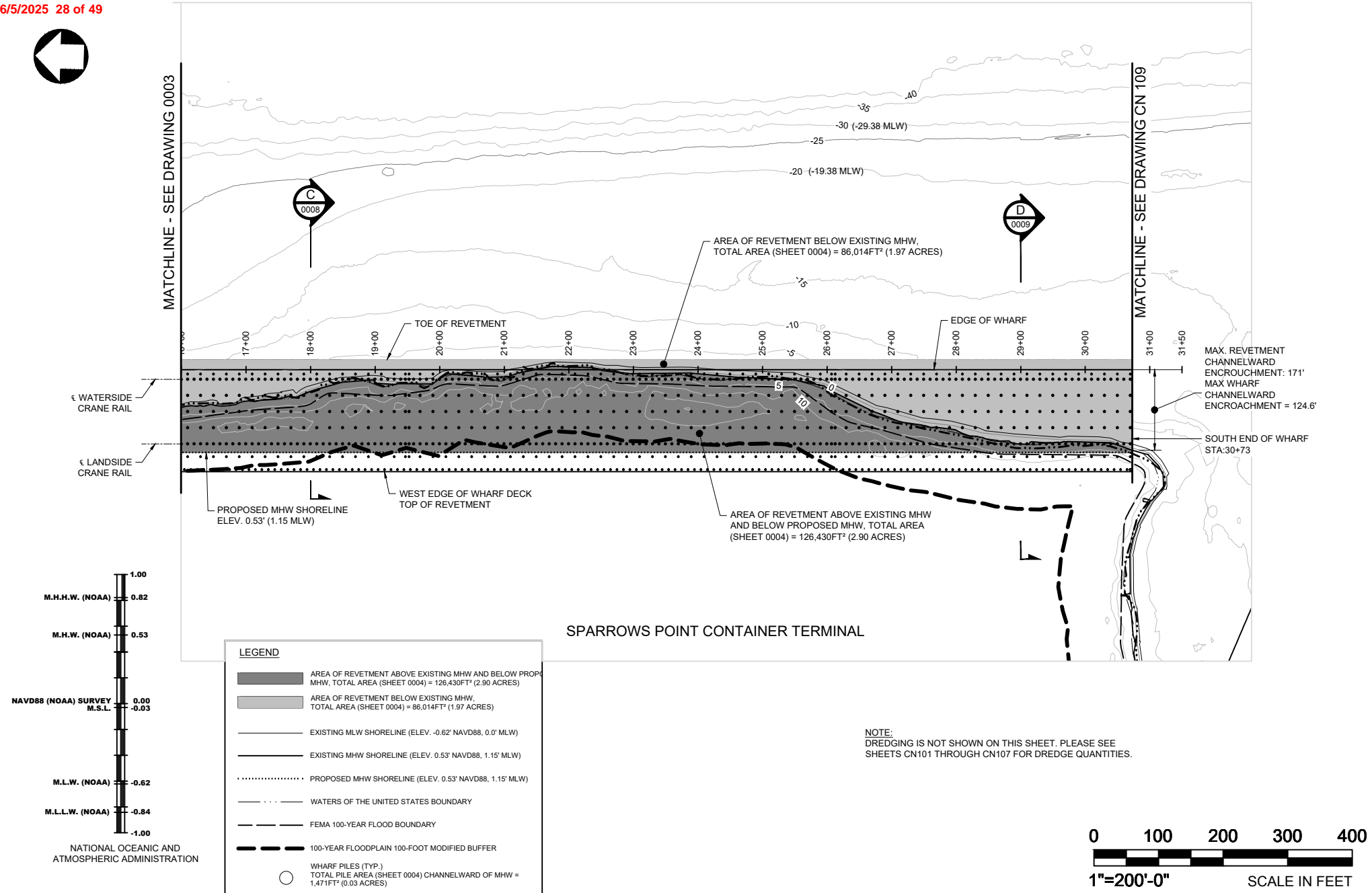


SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

WHARF PLAN - SHEET 1 OF 2

THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

DATE 25/05/23	PROJECT NUMBER H374437	DESIGNED BY SARA SHATZ	DRAWN BY TIM DONOVAN	CHECKED BY SARA SHATZ	PROJECT MGR. JOSHUA NELSON	SHEET NUMBER 3 OF 10	DRAWING 0003
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HATCH



SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

WHARF PLAN - SHEET 2 OF 2

DATE
25/05/21

PROJECT NUMBER
H374437

DESIGNED BY
SARA SHATZ

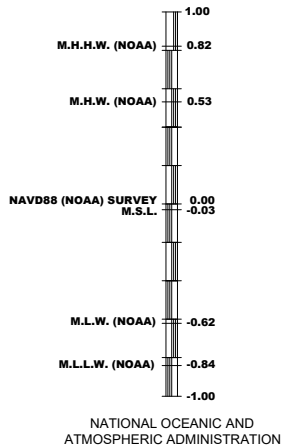
DRAWN BY
TIM DONOVAN

CHECKED BY
SARA SHATZ

PROJECT MGR.
JOSHUA NELSON

SHEET NUMBER
4 OF 10

DRAWING
0004



LEGEND

- M.L.W. (ELEV. 0' MLW, -0.62 NAVD88)
- EXISTING M.H.W. (ELEV. 1.15' MLW, 0.53' NAVD88)
- PROPOSED M.H.W. (ELEV. 1.15' MLW, 0.53' NAVD88)
- WATERS OF THE UNITED STATES BOUNDARY
- FEMA 100-YEAR FLOOD BOUNDARY
- 100-YEAR FLOODPLAIN 100-FOOT MODIFIED BUFFER
- PROPOSED POST-DREDGE SURFACE CONTOUR (10-FT INTERVAL)

SPARROWS POINT CONTAINER TERMINAL

MATCHLINE - SEE SHEET 004

TOE OF REVETMENT

REVETMENT BELOW EXISTING MHW
TOTAL AREA (SHEET CN109) = 19,889FT² (0.46 ACRES)

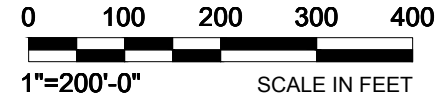
REVETMENT ABOVE EXISTING MHW AND BELOW PROPOSED MHW
TOTAL AREA (SHEET CN109) = 24FT² (0.00 ACRES)

EXISTING MHW LINE

TOP OF REVETMENT

PROPOSED MHW LINE

NOTE:
DREDGING BELOW -3' MLW, WHERE NOT COVERED BY THE REVETMENT, IS NOT SHOWN ON THIS SHEET. PLEASE SEE SHEETS CN101 THROUGH CN107 FOR DREDGE QUANTITIES.



HATCH



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SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

PLAN - SOUTH OF WHARF

DATE
25/05/09

PROJECT NUMBER
H374437

DESIGNED BY
ANTHONY RUANE

DRAWN BY
ANTHONY RUANE

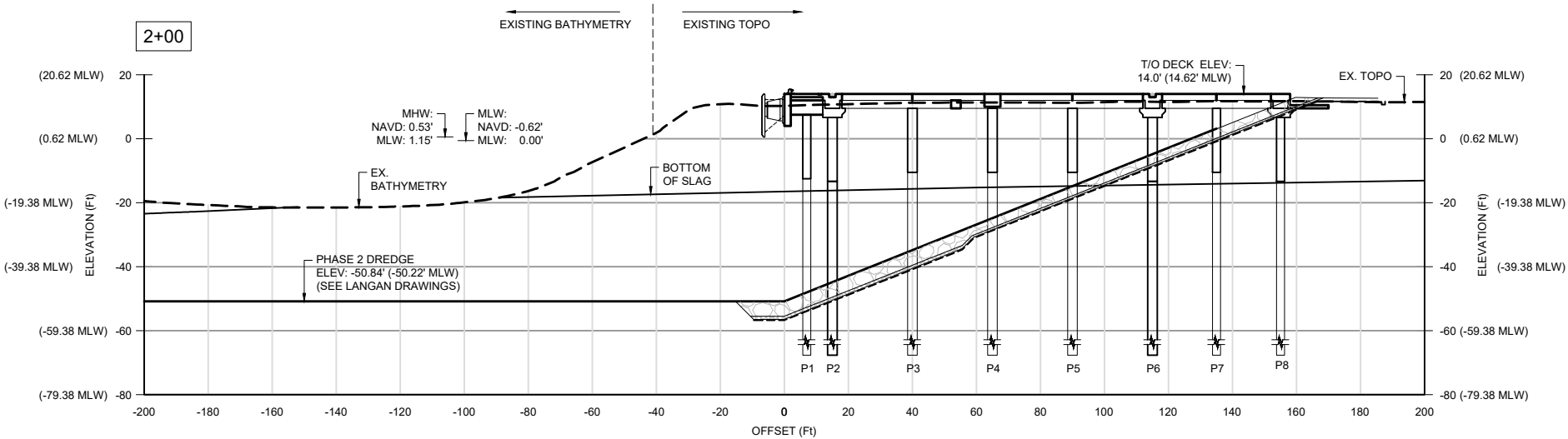
CHECKED BY
CHRIS KAKOLEWSKI

PROJECT MGR.
CHRIS KAKOLEWSKI

SHEET NUMBER

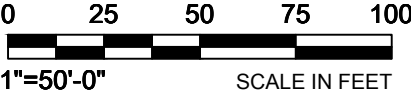
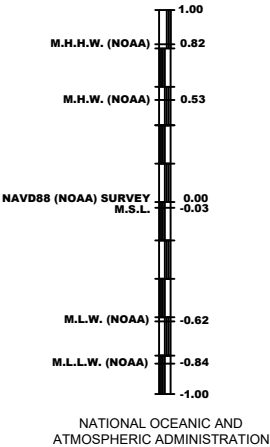
DRAWING
CN109

SHEET SIZE: A



PILE LEGEND:

- P1 = Ø30" STEEL CANTILEVER PILE (20' SPACING)
P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P3 = Ø36" STEEL DECK PILE (20' SPACING)
P4 = Ø36" STEEL DECK PILE (20' SPACING)
P5 = Ø36" STEEL DECK PILE (20' SPACING)
P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P7 = Ø30" STEEL DECK PILE (20' SPACING)
P8 = Ø30" STEEL PILE (10' SPACING)



HATCH

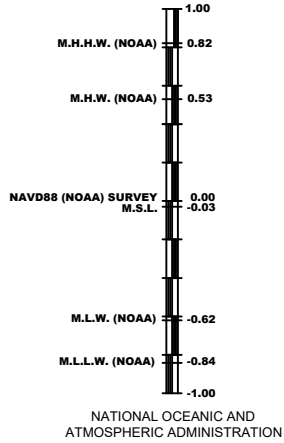
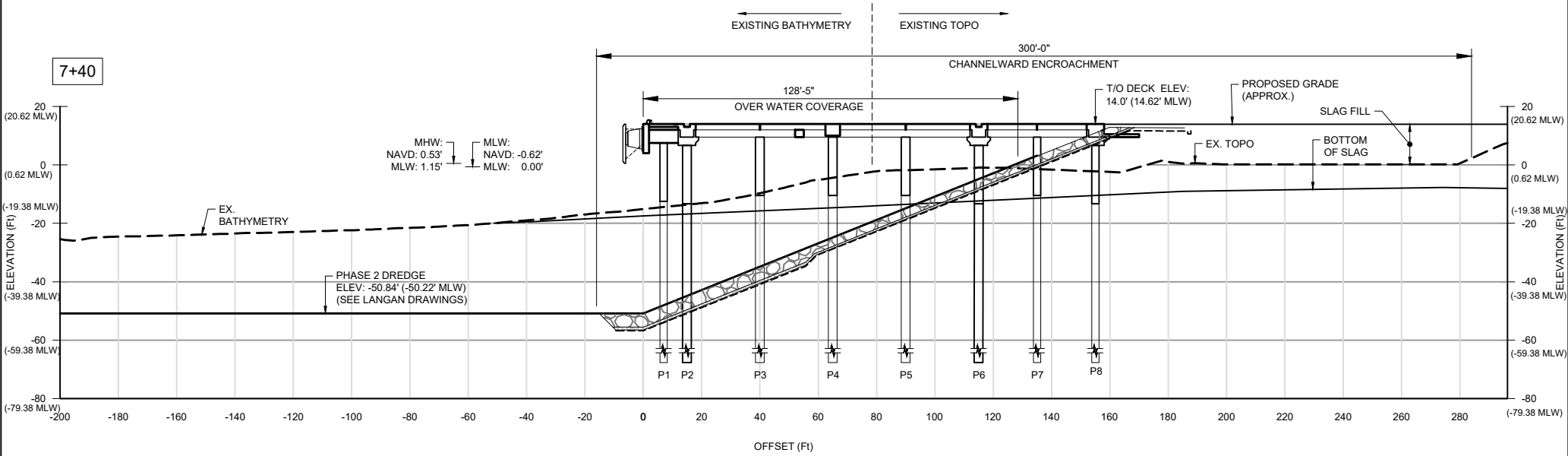


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SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

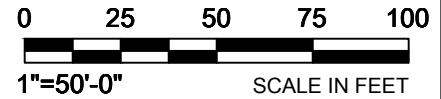
SECTION

DATE 25/05/05	PROJECT NUMBER H374437	DESIGNED BY SARA SHATZ	DRAWN BY TIM DONOVAN	CHECKED BY SARA SHATZ	PROJECT MGR. JOSHUA NELSON	SHEET NUMBER 6 OF 10	DRAWING 0006
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PILE LEGEND:

- P1 = Ø30" STEEL CANTILEVER PILE (20' SPACING)
P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P3 = Ø36" STEEL DECK PILE (20' SPACING)
P4 = Ø36" STEEL DECK PILE (20' SPACING)
P5 = Ø36" STEEL DECK PILE (20' SPACING)
P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
P7 = Ø30" STEEL DECK PILE (20' SPACING)
P8 = Ø30" STEEL PILE (10' SPACING)



HATCH



SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

SECTION

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DATE
25/05/05

PROJECT NUMBER
H374437

DESIGNED BY
SARA SHATZ

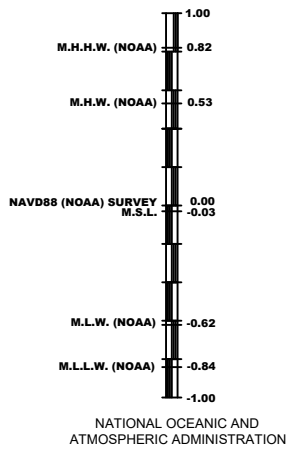
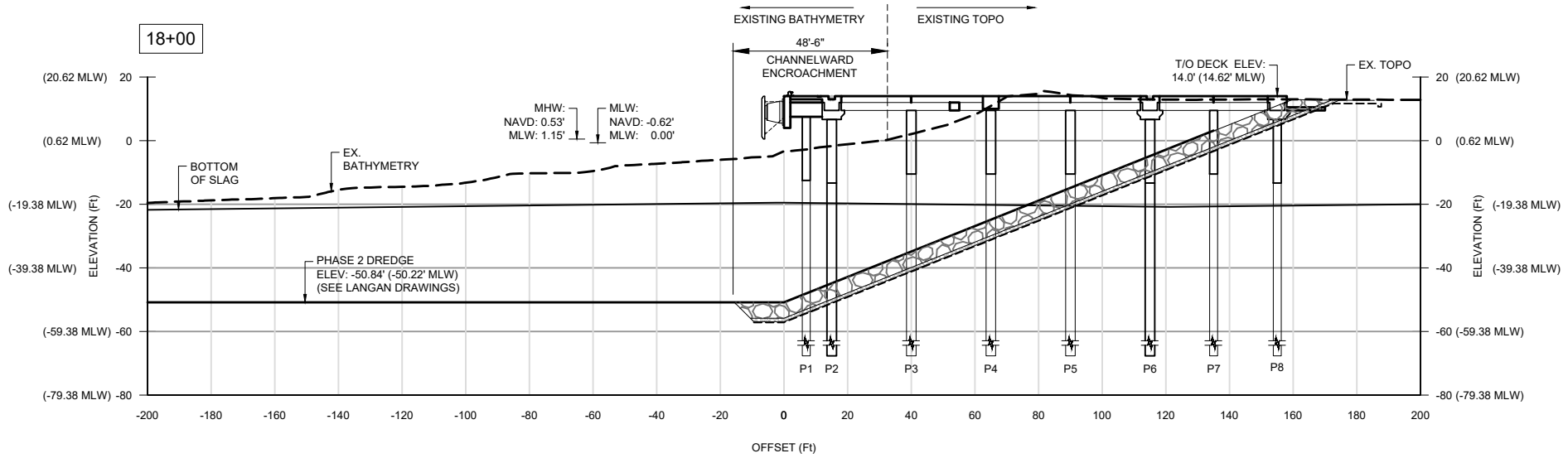
DRAWN BY
TIM DONOVAN

CHECKED BY
SARA SHATZ

PROJECT MGR.
JOSHUA NELSON

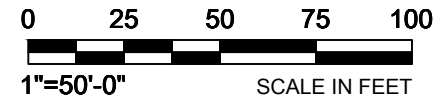
SHEET NUMBER
7 OF 10

DRAWING
0007



PILE LEGEND:

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- P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
- P3 = Ø36" STEEL DECK PILE (20' SPACING)
- P4 = Ø36" STEEL DECK PILE (20' SPACING)
- P5 = Ø36" STEEL DECK PILE (20' SPACING)
- P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
- P7 = Ø30" STEEL DECK PILE (20' SPACING)
- P8 = Ø30" STEEL BATTER PILE (10' SPACING)



HATCH



SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

SECTION

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DATE
25/05/05

PROJECT NUMBER
H374437

DESIGNED BY
SARA SHATZ

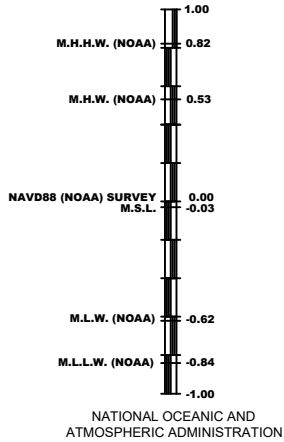
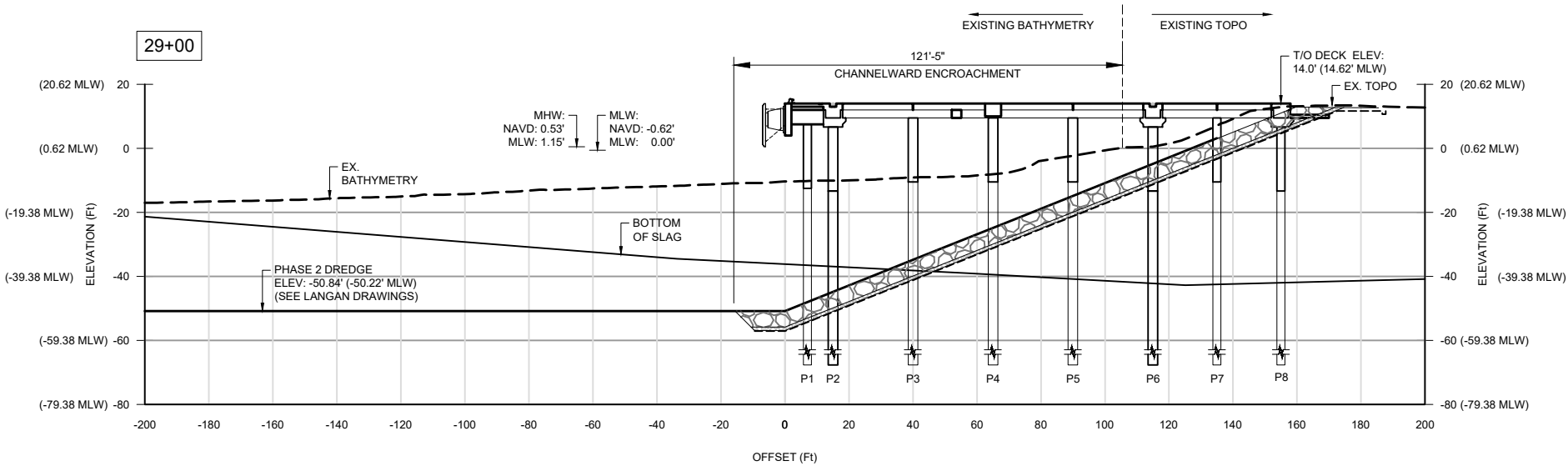
DRAWN BY
TIM DONOVAN

CHECKED BY
SARA SHATZ

PROJECT MGR.
JOSHUA NELSON

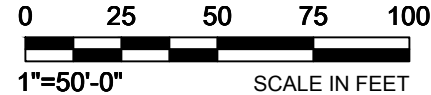
SHEET NUMBER
8 OF 10

DRAWING
0008



PILE LEGEND:

- P1 = Ø30" STEEL CANTILEVER PILE (20' SPACING)
- P2 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
- P3 = Ø36" STEEL DECK PILE (20' SPACING)
- P4 = Ø36" STEEL DECK PILE (20' SPACING)
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- P6 = Ø36" STEEL CRANE RAIL PILE (10' SPACING)
- P7 = Ø30" STEEL DECK PILE (20' SPACING)
- P8 = Ø30" STEEL PILE (10' SPACING)



HATCH



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SPARROWS POINT
CONTAINER TERMINAL
WHARF
BALTIMORE COUNTY, MARYLAND

SECTION

DATE 25/05/05	PROJECT NUMBER H374437	DESIGNED BY SARA SHATZ	DRAWN BY TIM DONOVAN	CHECKED BY SARA SHATZ	PROJECT MGR. JOSHUA NELSON	SHEET NUMBER 9 OF 10	DRAWING 0009
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PILES WITHIN CURRENT STATE TIDAL WETLANDS			
DIAMETER	QUANTITY	AREA (FT²)	
30"	139	682.5	
36"	415	2933.5	
	554	3616.0	
		0.08	ACRE

REVETMENT WITHIN CURRENT STATE TIDAL WETLANDS		
AREA	AREA (FT²)	
BENEATH AND IN FRONT OF WHARF	203,439	
OUTSIDE OF WHARF ON BOTH ENDS	48,628	
	252,067	
	5.79	ACRE

PILES WITHIN PROPOSED TIDAL WETLANDS*			
DIAMETER	QUANTITY	AREA (FT²)	
30"	153	751.2	
36"	1061	7501.3	
	1214	8,252.5	
		0.19	ACRE



REVETMENT WITHIN PROPOSED TIDAL WETLANDS*		
AREA	AREA (FT²)	
BENEATH AND IN FRONT OF WHARF	433,734	
OUTSIDE OF WHARF ON BOTH ENDS	89,523	
	523,257	
	12.01	ACRE

* QUANTITIES SHOWN ARE WITHIN ALL PROPOSED TIDAL WETLANDS, INCLUDING CURRENT STATE TIDAL WETLANDS

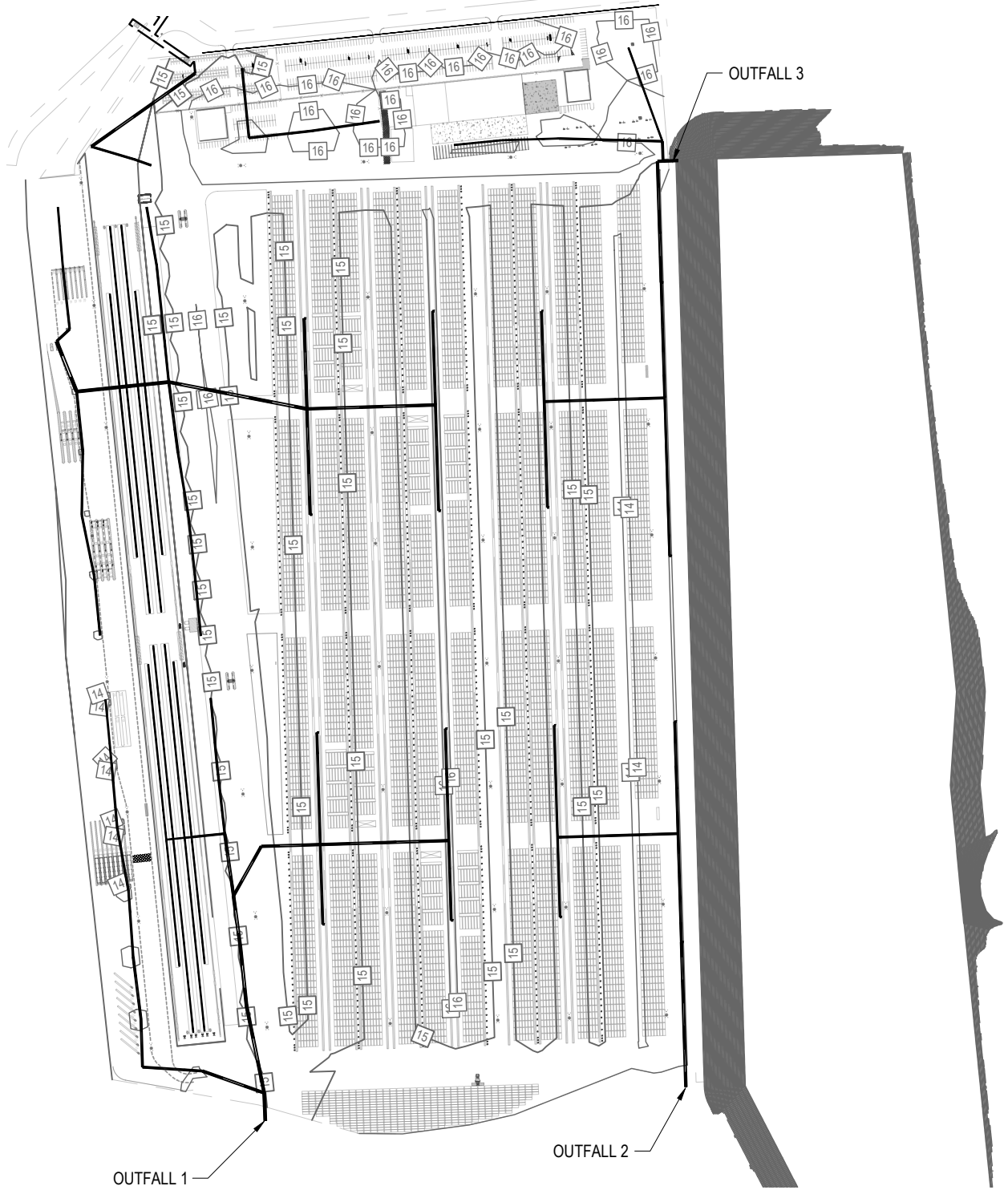
NINE SHIP-TO-SHORE (STS) CRANES
ACTIVE CRANES: MAX HEIGHT OF 330'
ABOVE WHARF DECK
STORED CRANES: MAX HEIGHT OF 484'
ABOVE WHARF DECK



SLAG FILL AREA = 12,468FT² (0.3 ACRES)

<div></div> <div><small>THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.</small></div>			<div></div>	<div>SPARROWS POINT CONTAINER TERMINAL WHARF BALTIMORE COUNTY, MARYLAND</div>		<div>IMPACT</div>		
DATE 25/05/23	PROJECT NUMBER H374437	DESIGNED BY SARA SHATZ	DRAWN BY TIM DONOVAN	CHECKED BY SARA SHATZ	PROJECT MGR. JOSHUA NELSON	SHEET NUMBER 10 OF 10	DRAWING 0010	

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05/01/2025 | DMD | MDA220013.03

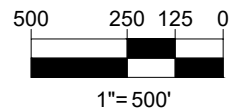
BOHLER //

901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

SPARROWS POINT CONTAINER TERMINAL



**TRADEPOINT
ATLANTIC
BALTIMORE, MD 21219**

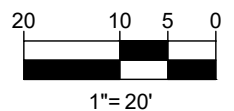




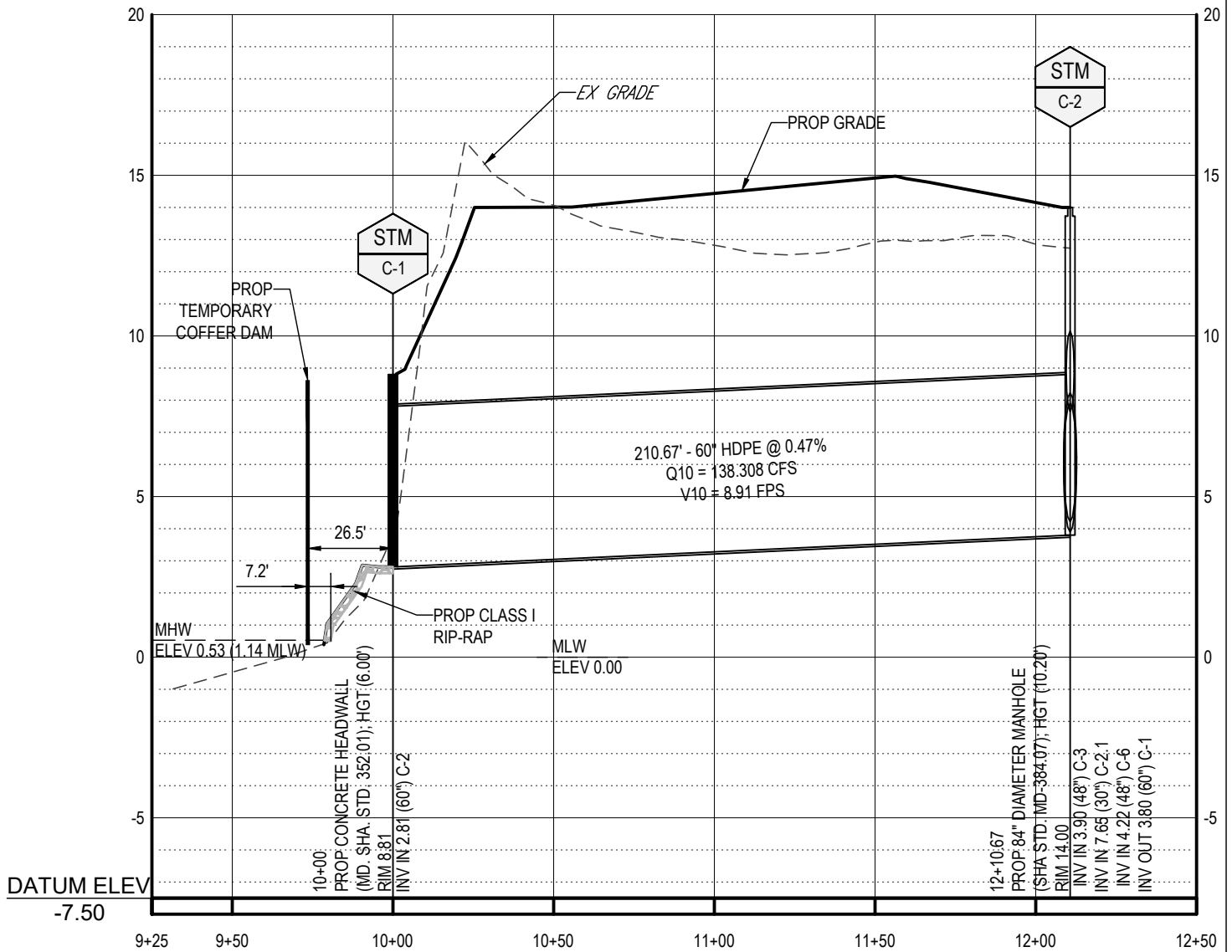
**901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204**
Phone: (410) 821-7900
Fax: (410) 821-7987
MD@BohlerEng.com

**SPARROWS POINT
CONTAINER TERMINAL**

**TRADEPOINT
ATLANTIC**
BALTIMORE, MD 21219

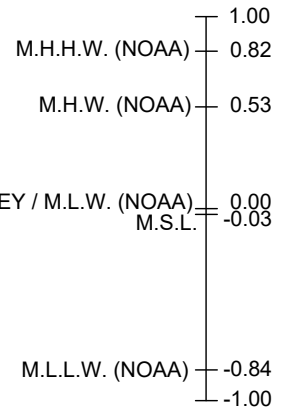


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PROPOSED OUTFALL 1

SCALE: 1"= 50' HORIZONTAL
1"= 5' VERTICAL



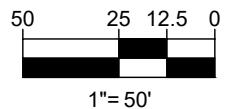
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TOWSON, MARYLAND 21204
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**SPARROWS POINT
CONTAINER TERMINAL**



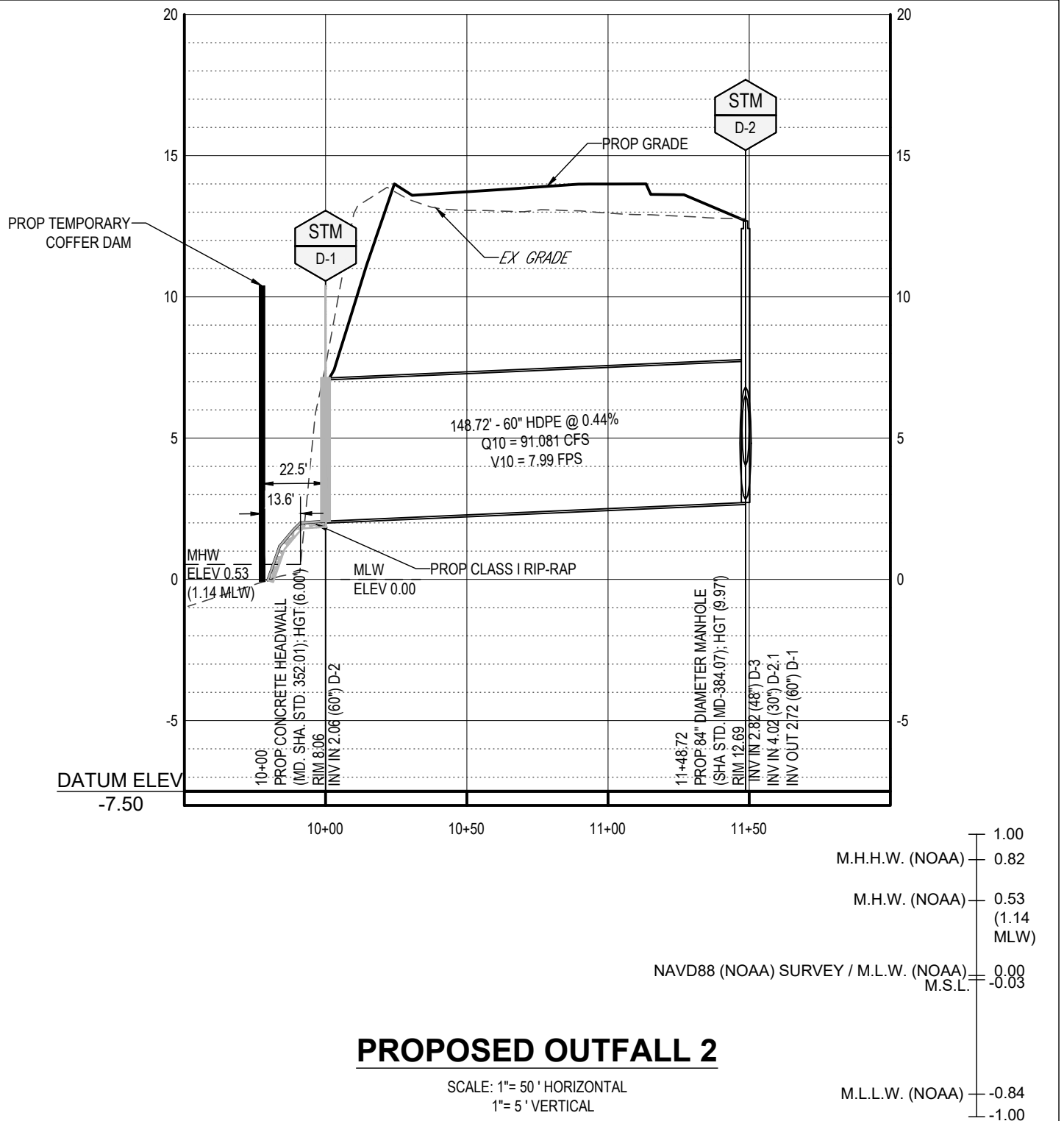
**TRADEPOINT
ATLANTIC
BALTIMORE, MD 21219**



05/01/25 | DMD | MDA220013.03



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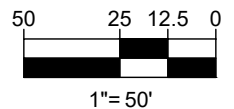
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Fax: (410) 821-7987
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**SPARROWS POINT
CONTAINER TERMINAL**

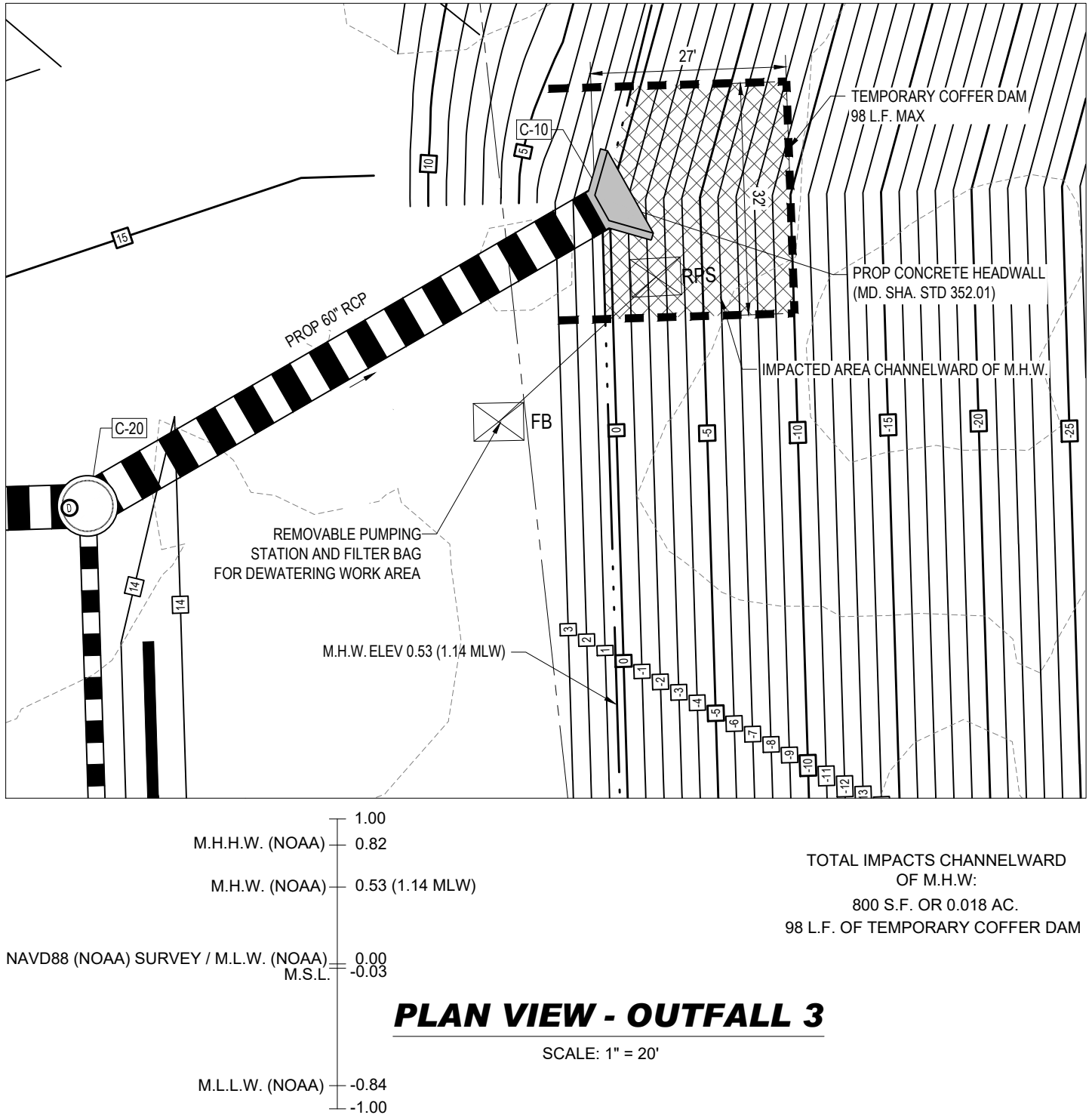


**TRADEPOINT
ATLANTIC**
BALTIMORE, MD 21219



1/7/25 | DMD | MDA220013.03

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SPARROWS POINT

05/01/2025 | DMD | MDA220013.03

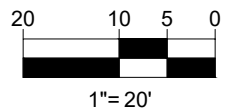
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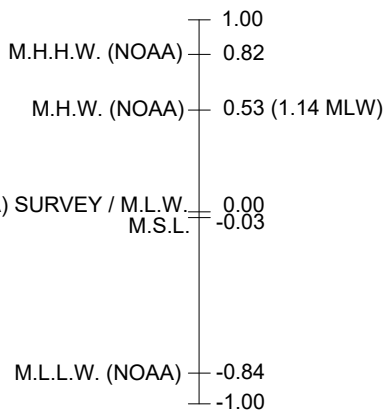
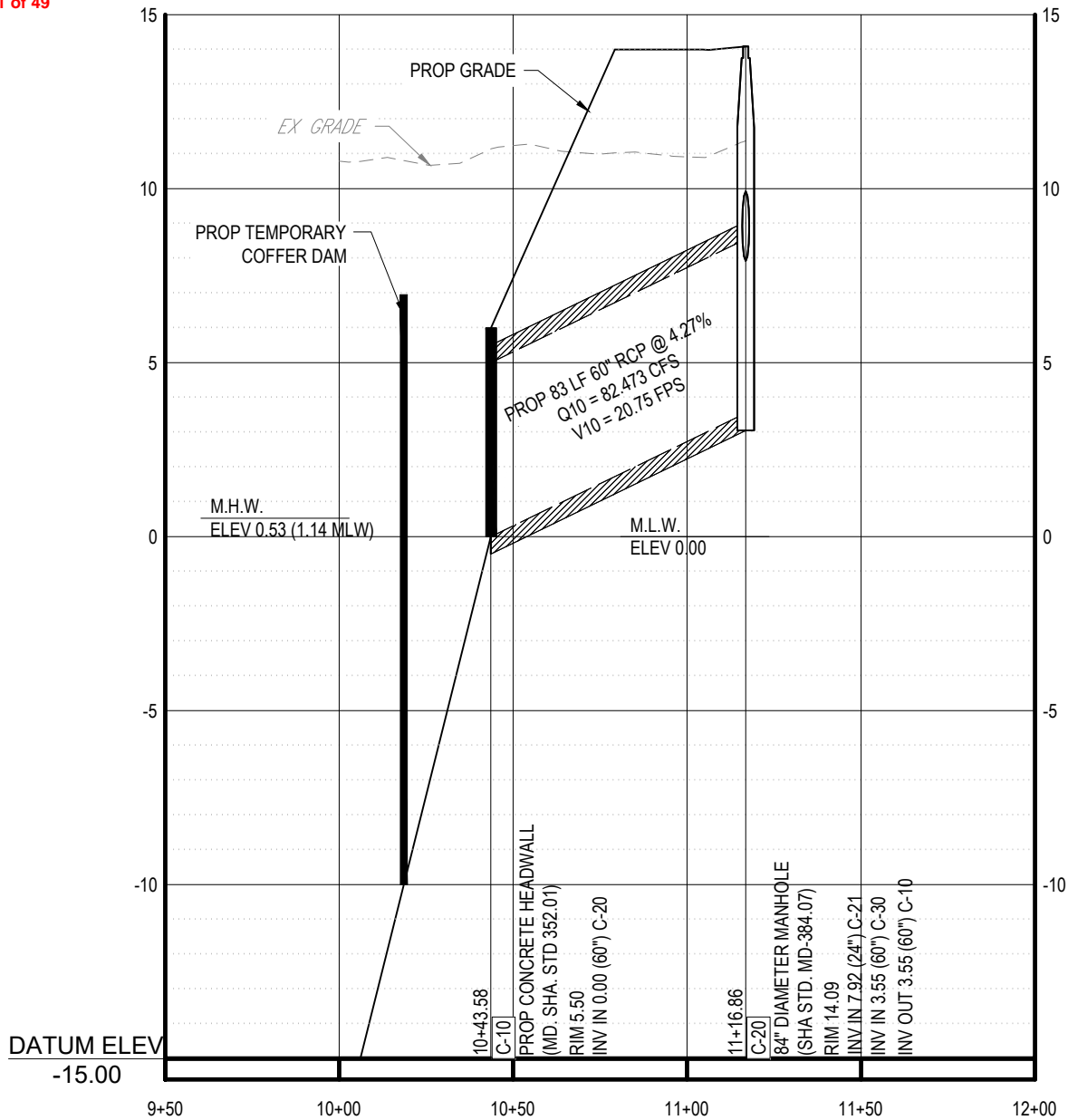
CONTAINER TERMINAL

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**TRADEPOINT
ATLANTIC
BALTIMORE, MD 21219**





PROPOSED OUTFALL 3

SCALE: 1" = 20'

SPARROWS POINT

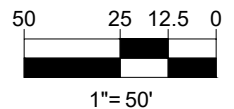
CONTAINER TERMINAL

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Fax: (410) 821-7987
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**TRADEPOINT
ATLANTIC
BALTIMORE, MD 21219**



SWM OUTFALLS IMPACT SUMMARY TABLE	
QUANTITY OF TEMPORARY OUTFALLS (EA)	0
QUANTITY OF PERMANENT OUTFALLS (EA)	3
EXTENT OF OUTFALLS CHANNELWARD OF MHWL (SF)	65 L.F.
LENGTH X WIDTH OF PIPE AND/OR ASSOCIATED STONE STRUCTURE X # OF OUTFALLS (SF)	<p>OUTFALL #1: 60" DIAMETER OUTFALL, WITH 15'X20' STONE, 20' CHANNELWARD OF MHWL.</p> <p>OUTFALL #2: 60" DIAMETER OUTFALL, WITH 15'X20' STONE, 15' CHANNELWARD OF MHWL.</p> <p>OUTFALL #3: 60" DIAMETER OUTFALL, 30' CHANNELWARD OF MHWL.</p>

Outfall 1			
Max Length	28.5	LF	
Max Width	32.9	LF	
Total Area Channelward of MHWL	626	SF	
Max. Channelward Encroachment =	20	LF	
Max. Temporary Impact (Including within the Cofferdam) =	872	SF	
Outfall 2			
Max Length	22.5	LF	
Max Width	33	LF	
Total Area	280	SF	
Max. Channelward Encroachment =	23	LF	
Max. Temporary Impact (Including within the Cofferdam) =	743	SF	
Outfall 3			
Max Length	27	LF	
Max Width	32	LF	
Total Area	800	SF	
Max. Channelward Encroachment =	98	LF	
Max. Temporary Impact (Including within the Cofferdam) =	864	SF	NOTE: Impact is within the impact area already accounted for for the revetment

05/01/2025 | DMD | MDA220013.03

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TOWSON, MARYLAND 21204

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**SPARROWS POINT
CONTAINER TERMINAL**



**TRADEPOINT
ATLANTIC**

BALTIMORE, MD 21219



1"= 50'

High Head Industrial Basin DMCF

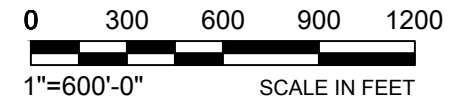
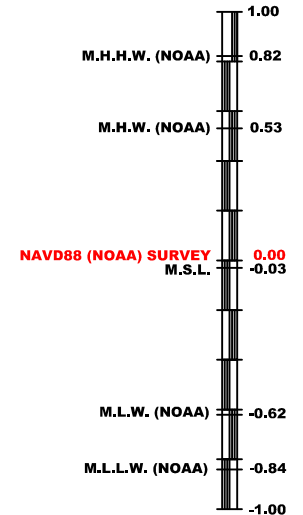
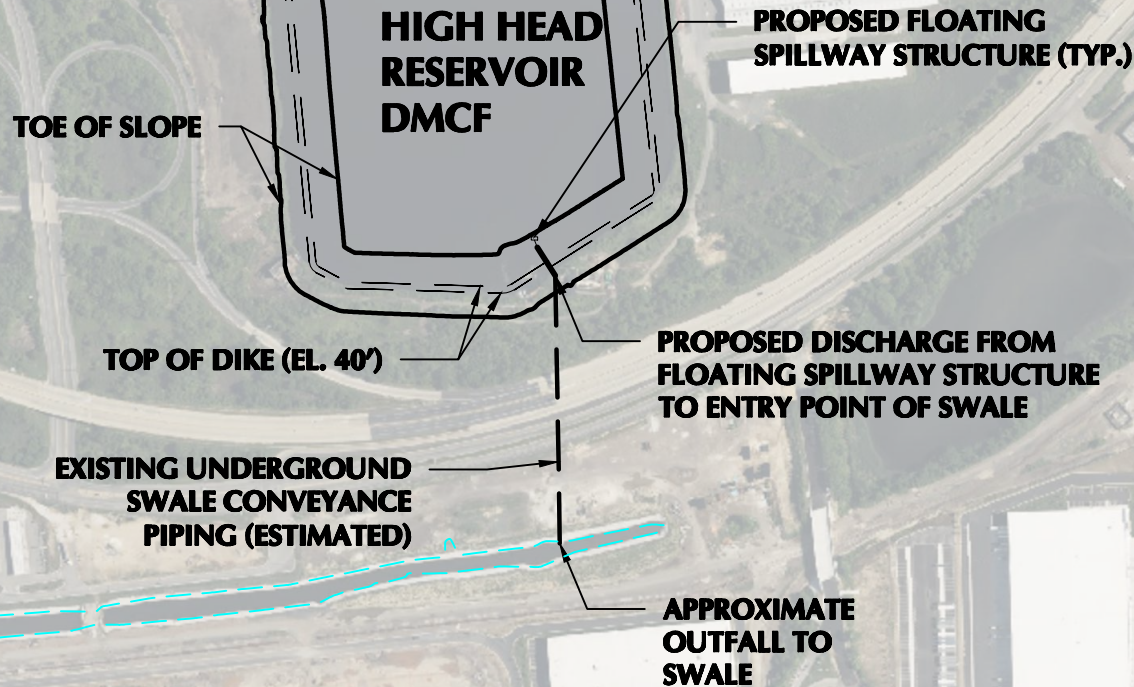
- Placement Area
- Outer Edge of Dike
- High Head Industrial Basin DMCF Effluent Pipeline
- Offshore Diffuser Area
- Baltimore Harbor Channels (Federal Navigation Channels)
- Sparrows Point Channel
- Tradepoint Atlantic Property

23-WL-0762 / 24-WQC-0045 / 202361200
6/5/2025 43 of 47



NOTES:
1. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A CONVERSION SCALE IS SHOWN ON THIS DRAWING TO CONVERT TO OTHER DATUMS.

Dredged Material Capacity
High Head Reservoir DMCF
1,700,000 CY



HATCH **LANGAN**



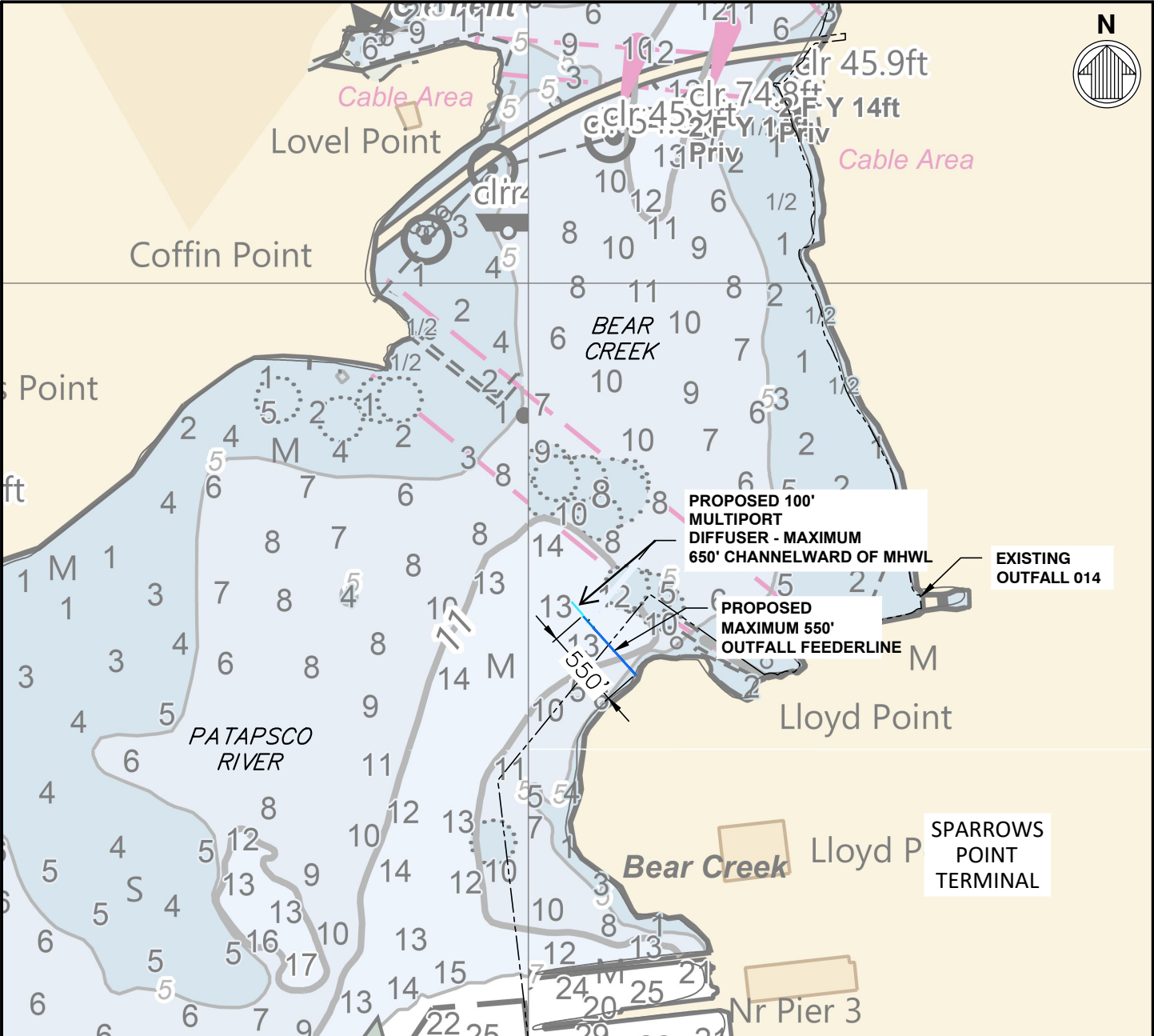
SPARROWS POINT
CONTAINER TERMINAL

PLAN - HIGH HEAD
RESERVOIR DMCF

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DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/02/2025		ATR	ATR				DM102

SHEET SIZE: A



PLAN – OUTFALL FEEDERLINE AND MULTIPOINT DIFFUSER

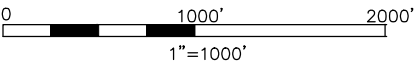
NOTES

- 1. TEMPORARY OUTFALL WITH DIFFUSER INSTALLED DURING DREDGED MATERIAL PLACEMENT AND DEWATERING.
- 2. EXISTING DEPTHS SHOWN IN FEET BASED ON CUSTOM CHART RENDERED FROM NOAA ELECTRONIC NAVIGATIONAL CHART DATA.
- 3. SEE NEXT SHEET FOR SECTION VIEW.

APPLICATION BY:
TRADEPOINT ATLANTIC
6995 BETHLEHEM BLVD.
BALTIMORE, MARYLAND 21219

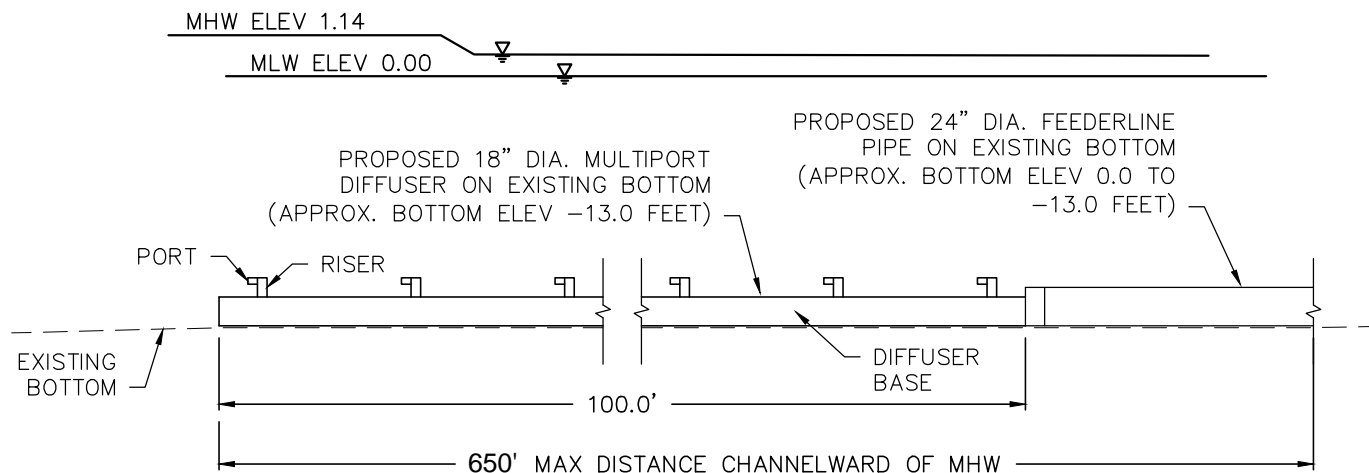
HIGH HEAD INDUSTRIAL BASIN DMC
OUTFALL AND DIFFUSER

PROJECT LOCATION:
PATAPSCO RIVER / BEAR CREEK
BALTIMORE COUNTY, MARYLAND



DATE: JUN 4, 2025

SHEET OF



SECTION – OUTFALL FEEDERLINE AND MULTIPOINT DIFFUSER

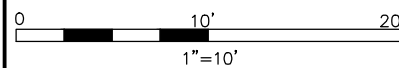
NOTES

1. FEEDERLINE AND DIFFUSER TO BE SECURED TO BOTTOM USING STRAPS/CLAMPS AND ANCHORS.

APPLICATION BY:
TRADEPOINT ATLANTIC
6995 BETHLEHEM BLVD.
BALTIMORE, MARYLAND 21219

HIGH HEAD INDUSTRIAL BASIN DMCF
OUTFALL AND DIFFUSER

PROJECT LOCATION:
PATAPSCO RIVER / BEAR CREEK
BALTIMORE COUNTY, MARYLAND



DATE: JUN 4, 2025

SHEET OF



**COX CREEK DREDGED
MATERIAL CONTAINMENT
FACILITY**

UNLOADING PIER

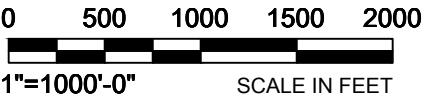
PATAPSCO RIVER

NOTES:

1. THE COX CREEK DREDGED MATERIAL CONTAINMENT FACILITY (DMCF) IS OPERATED BY THE MARYLAND PORTS ADMINISTRATION (MPA) AS PART OF THE DREDGED MATERIAL MANAGEMENT PROGRAM.
2. ANY DREDGED MATERIAL TO BE DISPOSED AT COX CREEK REQUIRES THE ASSOCIATED ANALYTICAL TESTING, SAMPLING, AND APPROVALS IN ACCORDANCE WITH THE MPA REQUIREMENTS.
3. APPROVED PLACEMENT VOLUMES FOR DISPOSAL OF DREDGED MATERIAL AT MPA FACILITIES ARE LISTED IN THE TABLE BELOW. VOLUMES SHOWN ARE THE MAXIMUM COMBINED VOLUME FOR DISPOSAL AT THE COX CREEK AND MASONVILLE DMCFs.
4. ONCE THE DREDGED MATERIAL SCOW IS SECURED AT COX CREEK, THE MPA WILL BE RESPONSIBLE FOR PUMPING, REMOVING, AND PLACING THE DREDGED SEDIMENTS INTO THE COX CREEK DMCF. MPA WILL ALSO BE RESPONSIBLE FOR MAINTAINING THE COX CREEK DMCF, AND THE DREDGED MATERIALS PLACED AT THE DMCF.

**MPA Placement (Cox Creek
and/or Masonville DMCF)**

FY 2026	350,000 CY
FY 2027	200,000 CY
FY 2028	400,000 CY
FY 2029	300,000 CY
TOTAL	1,250,000 CY



HATCH



THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF TRADEPOINT TIL TERMINAL, LLC ("CLIENT") AND IS ISSUED PURSUANT TO THE ENGINEERING SERVICES AGREEMENT DATED 2ND AUGUST 2024 BETWEEN CLIENT AND HATCH ASSOCIATES CONSULTANTS, INC ("HATCH"). UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, (A) HATCH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OF OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND (B) THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF HATCH.

**SPARROWS POINT
CONTAINER TERMINAL**

**PLAN - MPA COX
CREEK DMCF**

DATE 01/07/2025	PROJECT NUMBER	DESIGNED BY ATR	DRAWN BY ATR	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING DM103
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MASONVILLE DREDGED MATERIAL CONTAINMENT FACILITY

PATAPSCO RIVER

NOTES:

1. THE MASONVILLE DREDGED MATERIAL CONTAINMENT FACILITY (DMCF) IS OPERATED BY THE MARYLAND PORTS ADMINISTRATION (MPA) AS PART OF THE DREDGED MATERIAL MANAGEMENT PROGRAM.
2. ANY DREDGED MATERIAL TO BE DISPOSED AT MASONVILLE REQUIRES THE ASSOCIATED ANALYTICAL TESTING, SAMPLING, AND APPROVALS IN ACCORDANCE WITH THE MPA REQUIREMENTS.
3. APPROVED PLACEMENT VOLUMES FOR DISPOSAL OF DREDGED MATERIAL AT MPA FACILITIES ARE LISTED IN THE TABLE BELOW. VOLUMES SHOWN ARE THE MAXIMUM COMBINED VOLUME FOR DISPOSAL AT THE COX CREEK AND MASONVILLE DMCFs.
4. ONCE THE DREDGED MATERIAL SCOW IS SECURED AT MASONVILLE, THE MPA WILL BE RESPONSIBLE FOR PUMPING, REMOVING, AND PLACING THE DREDGED SEDIMENTS INTO THE COX CREEK DMCF. MPA WILL ALSO BE RESPONSIBLE FOR MAINTAINING THE COX CREEK DMCF, AND THE DREDGED MATERIALS PLACED AT THE DMCF.

MPA Placement (Cox Creek and/or Masonville DMCF)

FY 2026	350,000 CY
FY 2027	200,000 CY
FY 2028	400,000 CY
FY 2029	300,000 CY
TOTAL	1,250,000 CY

0 400 800 1200 1600
1"=800'-0" SCALE IN FEET

HATCH



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SPARROWS POINT
CONTAINER TERMINAL

PLAN - MPA
MASONVILLE DMCF

DATE
01/07/2025

PROJECT NUMBER

DESIGNED BY
ATR

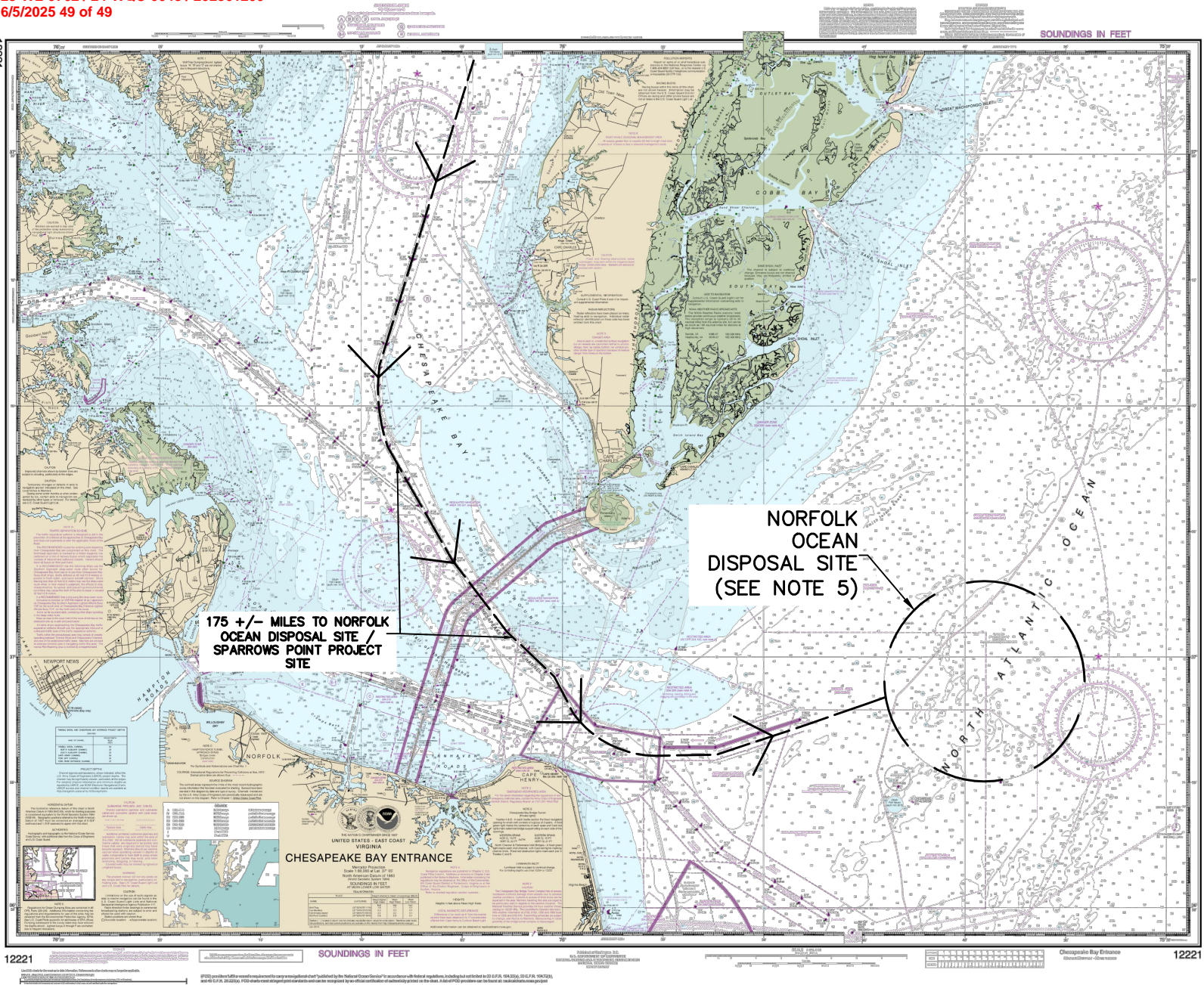
DRAWN BY
ATR

CHECKED BY

PROJECT MGR.

SHEET NUMBER

DRAWING
DM104



- NOTES:**
1. THE NORFOLK OCEAN DISPOSAL SITE (NODS) IS MANAGED BY UNITED STATES ARMY CORPS OF ENGINEERS (USACE).
 2. DREDGED MATERIAL DISPOSAL AT NODS IS SUBJECT TO THE PERMIT REGULATIONS SPECIFIED BY THE USACE. SEDIMENT SAMPLING AND ANALYTICAL TESTING OF THE DREDGED SEDIMENTS FOR OFFSHORE DISPOSAL AT NODS IS REQUIRED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS, AND ALL MATERIAL BEING TRANSPORTED TO NODS MUST BE APPROVED AND MANAGED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS.
 3. TRANSPORT OF DREDGED MATERIAL FROM THE PROJECT SITE TO NODS MAY REQUIRE REMOTE MONITORING OR MANNED SPOTTERS, AS DEFINED BY THE USACE PERMIT.
 4. ANY LOSS OF DREDGED MATERIAL DURING TRANSPORT FROM THE PROJECT SITE TO NODS SHALL BE REPORTED TO THE USACE AND OTHER PARTIES AS SPECIFIED IN THE USACE PERMIT.
 5. NODS EXTENTS SHOWN ARE APPROXIMATE AND BASED ON NOAA NAUTICAL CHART 12221. DREDGED MATERIAL PLACEMENT SHALL BE LOCATED IN ACCORDANCE WITH THE USACE PERMIT.

Dredged Material Capacity
Norfolk Ocean Disposal Site (NODS)
1,570,00 CY

HATCH

LANGAN



SPARROWS POINT
CONTAINER TERMINAL

PLAN - NORFOLK OCEAN
DISPOSAL SITE (NODS)

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DATE	PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MGR.	SHEET NUMBER	DRAWING
05/21/2025		ATR	ATR				DM105