

W.W.S

APPROVED PLANS

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

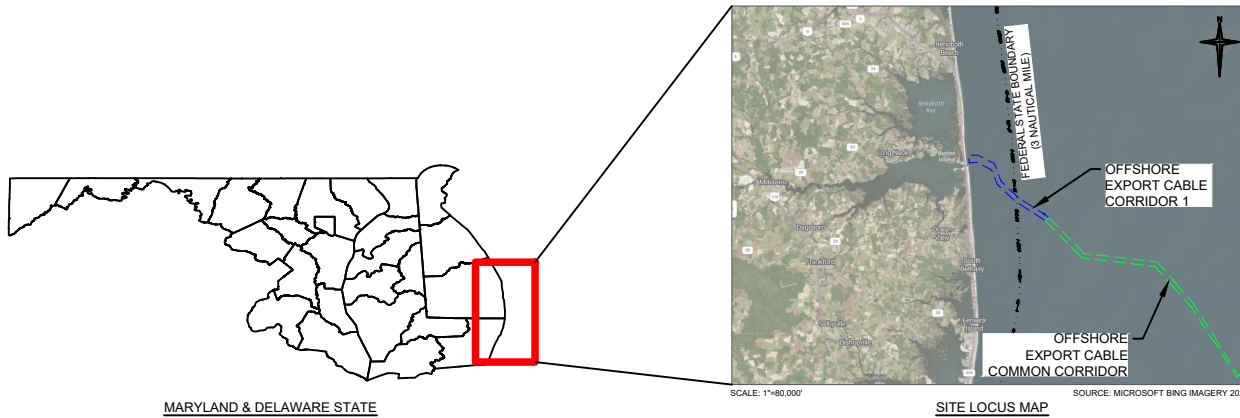
(SEE PERMIT CONDITIONS)

**MARYLAND OFFSHORE WIND PROJECT  
OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM  
PLAN & PROFILE DRAWINGS**

**PREPARED FOR:**

US WIND, INC

OFFSHORE EXPORT CABLE CORRIDOR 1  
OFFSHORE MARYLAND AND DELAWARE



**DRAWING INDEX**

DRAWING NUMBER	SHEET TITLE
--	COVER SHEET
N-01	GENERAL NOTES
VM-01	VICINITY MAP
C-1	PLAN & PROFILE 0+00 - 40+39
C-2	PLAN & PROFILE 40+39 - 77+39
C-3	PLAN & PROFILE 77+39 - 114+39
C-4	PLAN & PROFILE 114+39 - 151+39
C-5	PLAN & PROFILE 151+39 - 188+39
C-6	PLAN & PROFILE 188+39 - 225+39
C-7	PLAN & PROFILE 225+39 - 254+76

PREPARED BY:



404 Wyman Street  
Suite 375  
Waltham, MA 02451  
Phone: 781.419.7706

Version: 2017.10.21

NOTES

- 1. FINAL ALIGNMENT AND BURIAL DEPTH OF THE EXPORT CABLE WILL BE DECIDED UPON COMPLETION OF THE NEPA REVIEW PROCESS FOLLOWING CONSULTATION WITH THE BUREAU OF OCEAN ENERGY MANAGEMENT AND OTHER PARTICIPATING AGENCIES. THE CABLE WILL BE BURIED AT LEAST 1-3 METERS (3.3 - 9.8 FEET), NOT MORE THAN 4 METERS (13.1 FEET) BELOW GRADE. CABLE SEPARATION WILL BE THREE TIMES THE WATER DEPTH, FOLLOWING RECOMMENDATIONS FROM THE INTERNATIONAL CABLE PROTECTION COMMITTEE.
- 2. MINIMUM WIDTH OF OFFSHORE EXPORT CABLE CORRIDOR 1 IS 600M (1,969 FT), THE EXTENTS OF WHICH ARE UNABLE TO SHOW ON ALL PLAN SETS. THE 600-M CORRIDOR IS DEPICTED TO SCALE ON THE VICINITY MAP. EACH PLAN SHOWS CENTERLINE OF THE 600-M CORRIDOR, AND THE EXTENT OF THE CORRIDOR IS SHOWN ON SOME PLAN SETS.
- 3. US WIND WOULD MICRO-SITE EXPORT CABLE WITHIN 600-M OFFSHORE EXPORT CABLE CORRIDOR TO AVOID ACTIVE SAND BORROW AND SAND RESOURCE AREAS WHERE POSSIBLE. BUFFER AREA TARGET OF 400M FROM EDGE OF ACTIVE SAND BORROW AREAS.
- 4. COORDINATES ARE IN US SURVEY FEET, NAD 83, DELAWARE STATE PLANE (SPCS 700).
- 5. ELEVATIONS ARE IN US SURVEY FEET NAVD 88.
  - a. TIDAL ELEVATION AT INDIAN RIVER INLET, MLLW -182', MSL -0.14', MHHW 1.12'
  - b. TIDAL ELEVATION AT ROSEDALE BEACH ON INDIAN RIVER, MLLW -150', MSL 0.14', MHHW 1.83'
- 6. DATA FROM TAKEN FROM THE FOLLOWING SOURCES:
  - US WIND LEASE AREA, FROM BUREAU OF OCEAN ENERGY MANAGEMENT, 2018
  - FENWICK SHOAL, FROM MARINE MINERALS INFORMATION SYSTEM, 2022
  - SAND BORROW AREAS, FROM UNITED STATES ARMY CORPS OF ENGINEERS, 2020
  - ANCHORAGE AREAS, FROM UNITED STATES COAST GUARD, 2019
- 7. PLAN SET BEGINS AT APPROXIMATE LOCATION OF THE HDD PUNCH-OUT LOCATION. SEE APPENDIX C1 OF THE DNREC WETLANDS AND SUBAQUEOUS LANDS PERMIT APPLICATION NARRATIVE FOR HDD DETAIL.

ABBREVIATIONS

- NAD = NORTH AMERICAN DATUM
- NAVD = NORTH AMERICAN VERTICAL DATUM
- MLLW = MEAN LOWER LOW WATER
- MSL = MEAN SEA LEVEL
- MHHW = MEAN HIGHER HIGH WATER
- HDD = HORIZONTAL DIRECTIONAL DRILL

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PROJECT:

US WIND,INC  
MARYLAND OFFSHORE WIND PROJECT  
OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM  
OFFSHORE MARYLAND AND DELAWARE

TITLE:

GENERAL NOTES

DRAWN BY:

LC

CHECKED BY:

GR/KB

APPROVED BY:

KB

DATE:

MARCH 2024

PROJ. NO.:

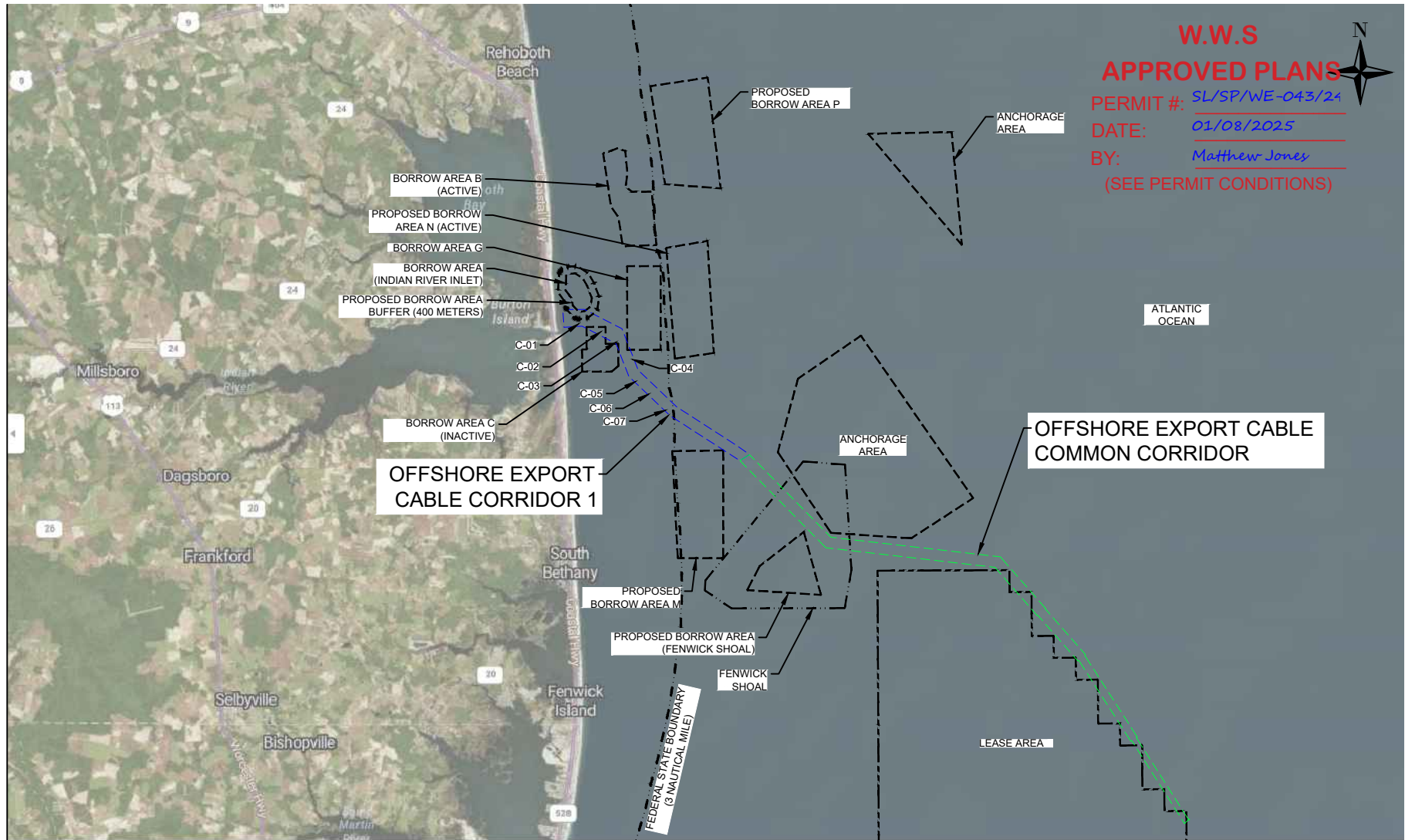
016310.0085

FILE:

0-00 COVER SHEET.dwg

N-01

Version: 2017.10.21



VICINITY MAP



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MARYLAND OFFSHORE WIND PROJECT  
OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM  
OFFSHORE MARYLAND AND DELAWARE

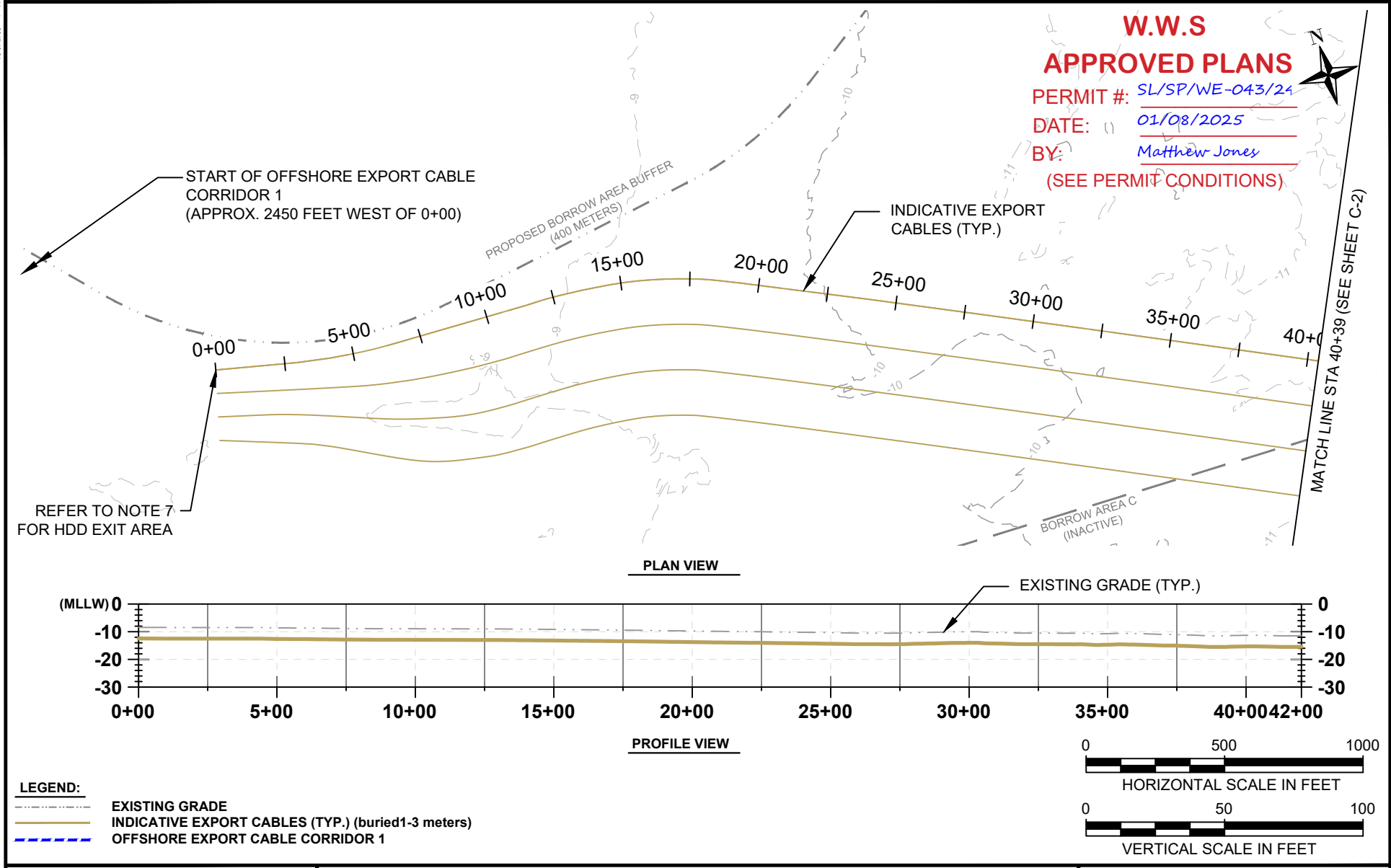
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VICINITY MAP

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	MARCH 2024
PROJ. NO.:	016310.0085
FILE:	0-00 COVER SHEET.dwg

VM-01

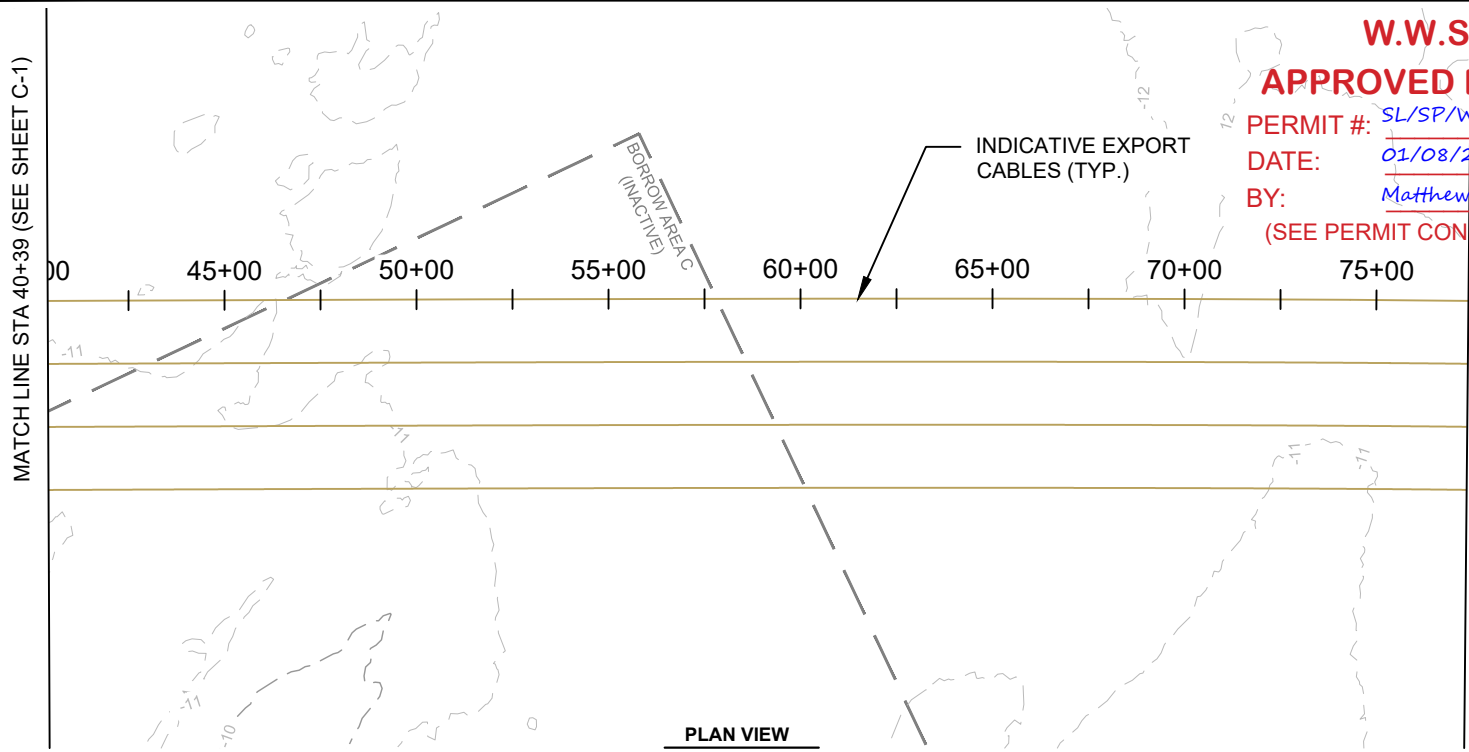
Version: 2017.10.21



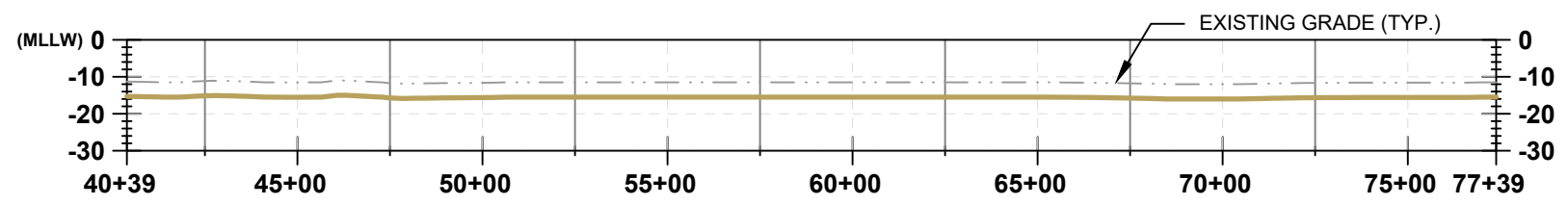
 404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706	PROJECT:	US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM OFFSHORE MARYLAND AND DELAWARE	DRAWN BY: LC
	TITLE:	PLAN & PROFILE 0+00 - 40+39	CHECKED BY: GR/KB
			APPROVED BY: KB
			DATE: MARCH 2024
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			<b>C-1</b>



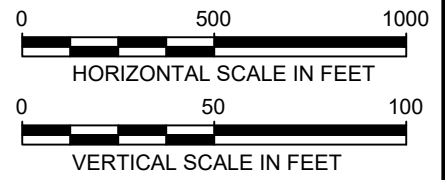
Version: 2017.10.21



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(SEE PERMIT CONDITIONS)



PROFILE VIEW



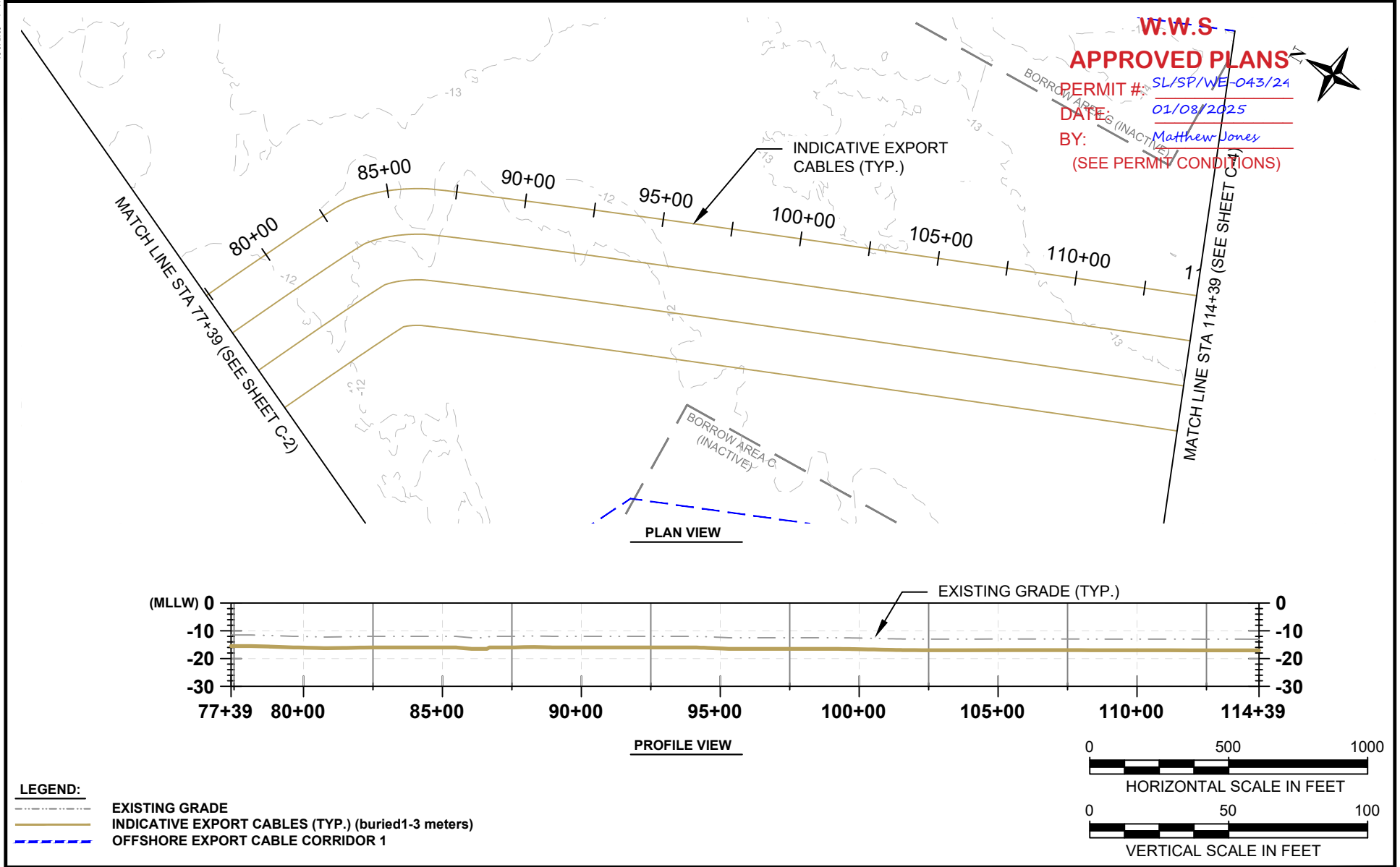
- LEGEND:**
- EXISTING GRADE
  - INDICATIVE EXPORT CABLES (TYP.) (buried 1-3 meters)
  - OFFSHORE EXPORT CABLE CORRIDOR 1

  
404 Wyman Street  
Suite 375  
Waltham, MA 02451  
Phone: 781.419.7706

PROJECT:	US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM OFFSHORE MARYLAND AND DELAWARE
TITLE:	PLAN & PROFILE 40+39 - 77+39

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	MARCH 2024
PROJ. NO.:	016310.0085
FILE:	Export Cables Corridor 1-New Route.dwg
C-2	

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Phone: 781.419.7706

PROJECT:

US WIND, INC  
MARYLAND OFFSHORE WIND PROJECT  
OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM  
OFFSHORE MARYLAND AND DELAWARE

TITLE:

PLAN & PROFILE 77+39 - 114+39

DRAWN BY:

LC

CHECKED BY:

GR/KB

APPROVED BY:

KB

DATE:

MARCH 2024

PROJ. NO.:

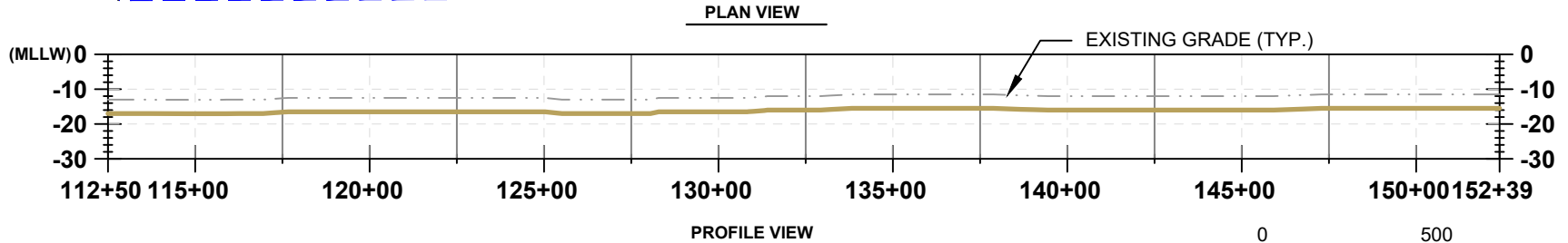
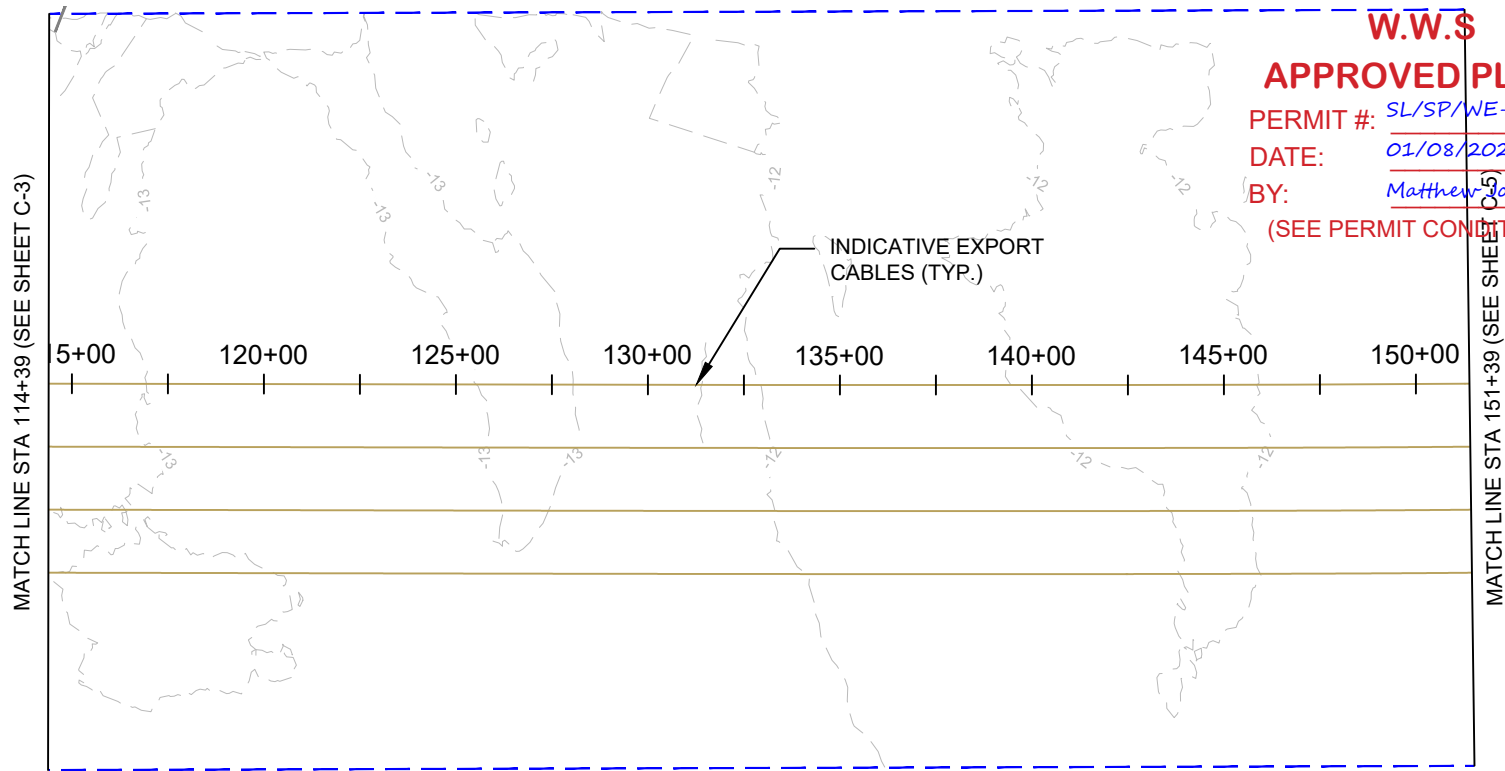
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FILE:

Export Cables Corridor 1-New Route.dwg

C-3

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PROJECT:

**US WIND, INC**  
**MARYLAND OFFSHORE WIND PROJECT**  
**OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM**  
**OFFSHORE MARYLAND AND DELAWARE**

TITLE:

**PLAN & PROFILE 114+39 - 151+39**

DRAWN BY:

LC

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GR/KB

APPROVED BY:

KB

DATE:

MARCH 2024

PROJ. NO.:

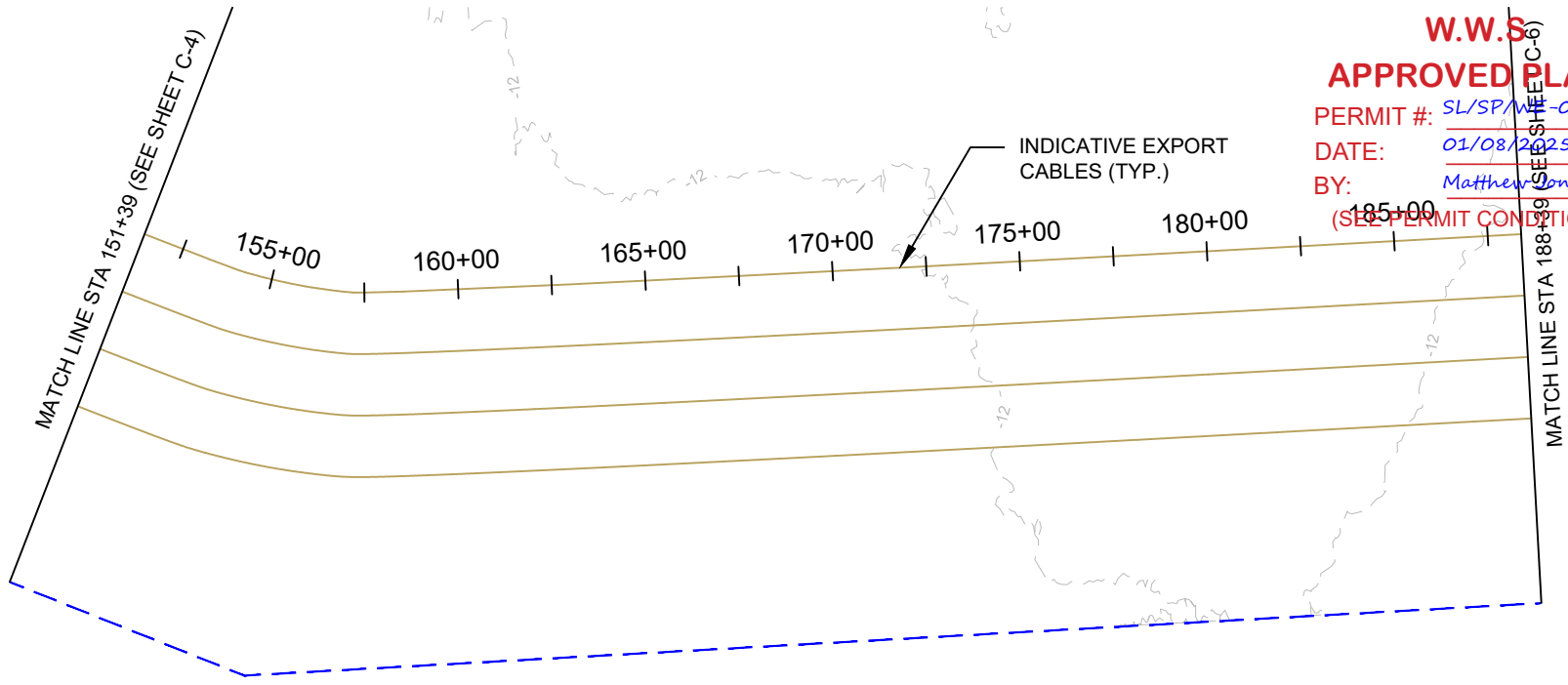
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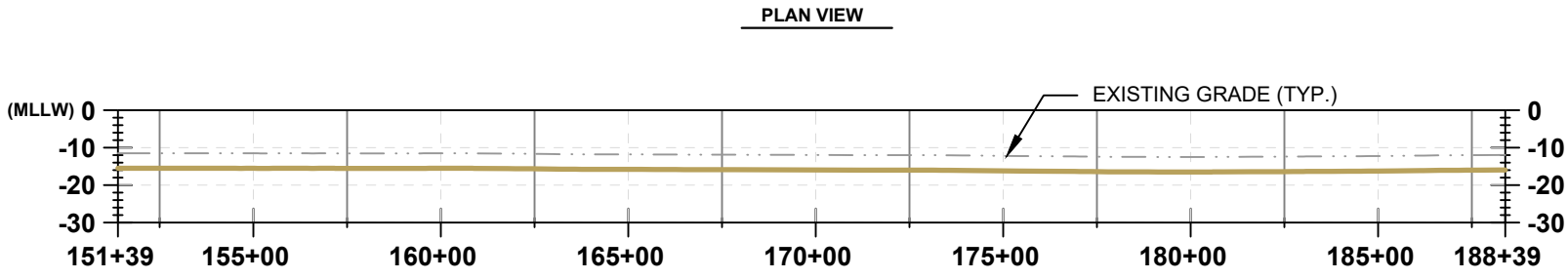
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**C-4**

Version: 2017.10.21

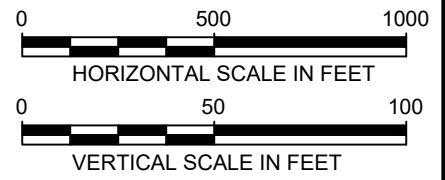


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PERMIT #: SL/SP/WE-043/24  
DATE: 01/08/2025  
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(SEE PERMIT CONDITIONS)



**LEGEND:**

- EXISTING GRADE
- INDICATIVE EXPORT CABLES (TYP.) (buried 1-3 meters)
- OFFSHORE EXPORT CABLE CORRIDOR 1

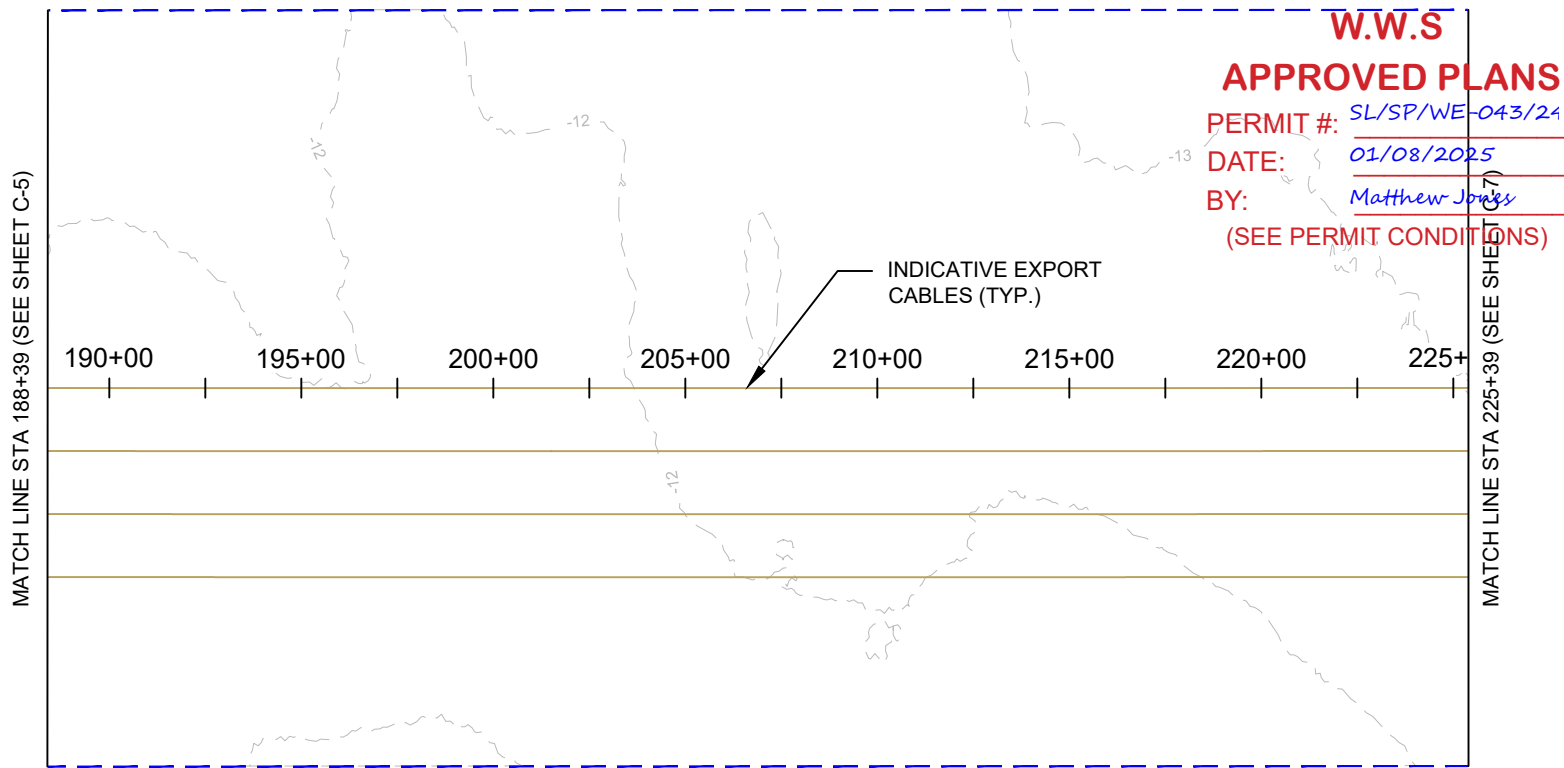


**TRC**  
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Waltham, MA 02451  
Phone: 781.419.7706

PROJECT:	US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM OFFSHORE MARYLAND AND DELAWARE
TITLE:	PLAN & PROFILE 151+39 - 188+39

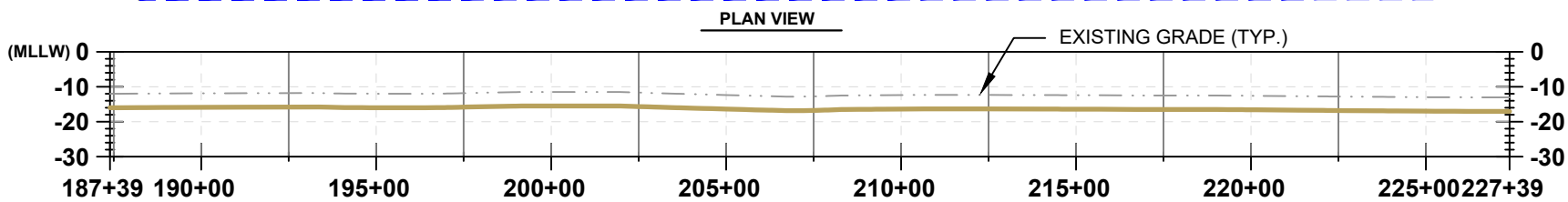
DRAWN BY:	LC
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APPROVED BY:	KB
DATE:	MARCH 2024
PROJ. NO.:	016310.0085
FILE:	Export Cables Corridor 1-New Route.dwg
C-5	

Version: 2017.10.21



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INDICATIVE EXPORT  
CABLES (TYP.)



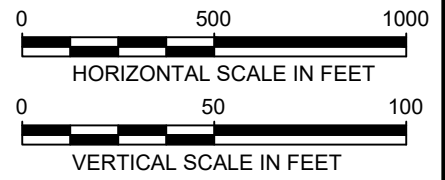
PLAN VIEW

EXISTING GRADE (TYP.)

PROFILE VIEW

**LEGEND:**

- EXISTING GRADE
- INDICATIVE EXPORT CABLES (TYP.) (buried 1-3 meters)
- OFFSHORE EXPORT CABLE CORRIDOR 1

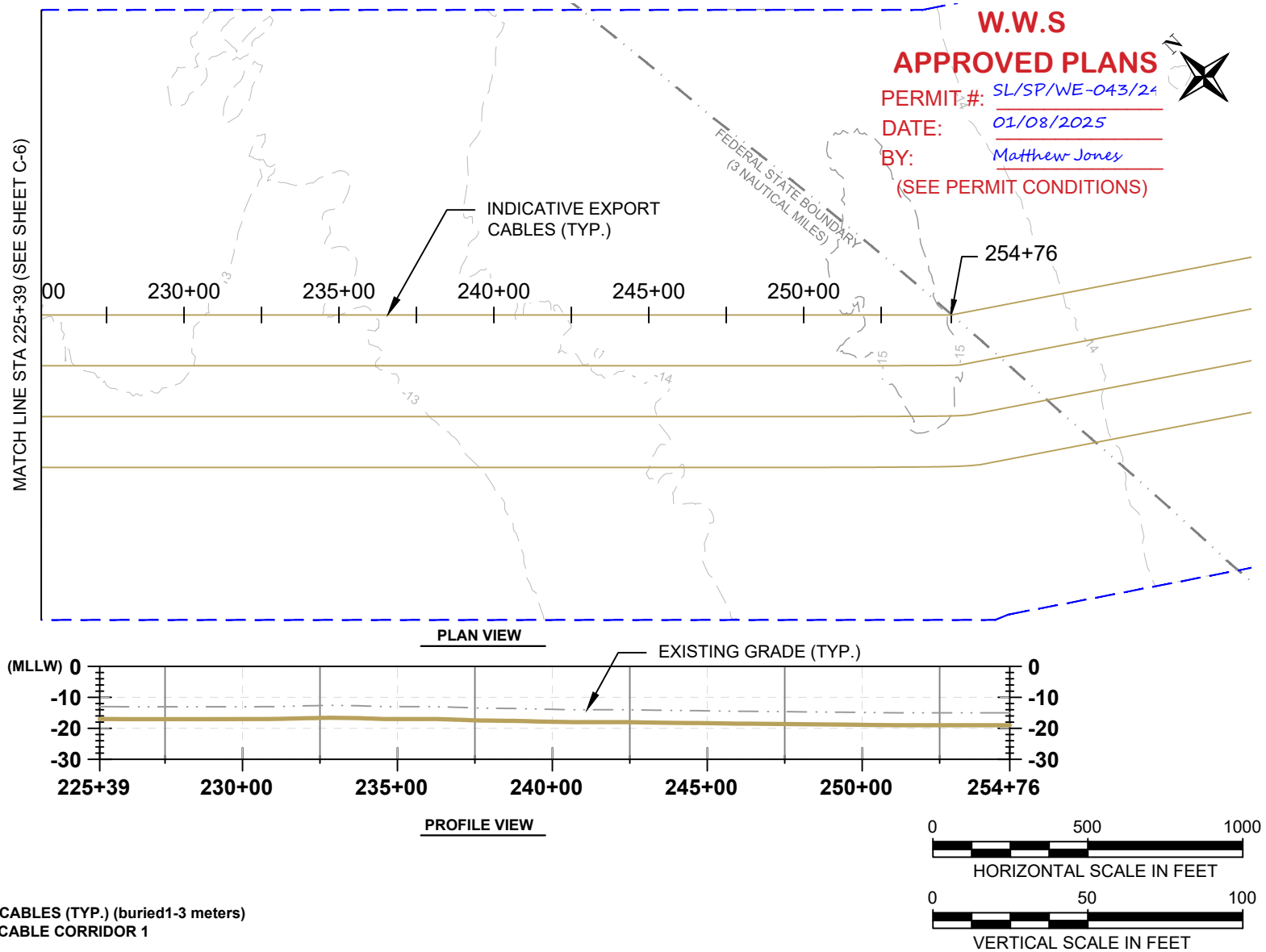


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PROJECT:	US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM OFFSHORE MARYLAND AND DELAWARE
TITLE:	PLAN & PROFILE 188+39 - 225+39

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	MARCH 2024
PROJ. NO.:	016310.0085
FILE:	Export Cables Corridor 1-New Route.dwg
C-6	

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PROJECT:

**US WIND, INC**  
**MARYLAND OFFSHORE WIND PROJECT**  
**OFFSHORE EXPORT CABLE CORRIDOR 1 - HDD PUNCHOUT TO 3NM**  
**OFFSHORE MARYLAND AND DELAWARE**

TITLE:

**PLAN & PROFILE 225+39 - 254+76**

DRAWN BY:

LC

CHECKED BY:

GR/KB

APPROVED BY:

KB

DATE:

MARCH 2024

PROJ. NO.:

016310.0085

FILE: Export Cables Corridor 1-New Route.dwg

**C-7**



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PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)


# US WIND MARYLAND OFFSHORE WIND PROJECT INDIAN RIVER BAY EXPORT CABLES DREDGING PLANS



**BLACK & VEATCH**  
Building a world of difference®

BLACK & VEATCH CORPORATION  
OVERLAND PARK, KS  
PROJECT NO. 410735  
2024

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
		<b>BLACK &amp; VEATCH</b> Building a world of difference®		US WIND INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS						PROJECT 410735 - 000		DRAWING NUMBER		REV 0	
DESIGNER DJ		DRAWN SLH		COVER SHEET						CODE					
CHECKED RW		DATE 10/13/23								AREA					

TITLE	DRAWING NO.	REV	TITLE	DRAWING NO.	REV
COVER SHEET	000	0	DUCT BANK SECTION	020	0
INDEX	001	2	TYPICAL CABLE CORRIDOR CROSS SECTION NEAR NAVIGATIONAL CHANNEL	021	0
VICINITY MAP & GENERAL NOTES	002	2			
KEY MAP	003	1	TYPICAL CABLE CORRIDOR CROSS SECTION AWAY FROM NAVIGATIONAL CHANNEL	022	0
PLAN & PROFILE 1 - INDIAN RIVER BAY ROUTE	004	0			
PLAN & PROFILE 2 - INDIAN RIVER BAY ROUTE	005	0	HDD SECTION	023	0
PLAN & PROFILE 3 - INDIAN RIVER BAY ROUTE	006	0	SPlicing VAULT ON LAND -PLAN VIEW	024	0
PLAN & PROFILE 4 - INDIAN RIVER BAY ROUTE	007	0	SPlicing VAULT ON LAND -SECTION VIEW	025	0
PLAN & PROFILE 5 - INDIAN RIVER BAY ROUTE	008	0	TRANSITION VAULT DETAILS -NOTES	026	0
PLAN & PROFILE 6 - INDIAN RIVER BAY ROUTE	009	0	TRANSITION VAULT DETAILS -PLAN VIEW	027	0
PLAN & PROFILE 7 - INDIAN RIVER BAY ROUTE	010	0	TRANSITION VAULT DETAILS -SECTION VIEW	028	0
PLAN & PROFILE 8 - INDIAN RIVER BAY ROUTE	011	0	TRANSITION VAULT DETAILS -SECTION 2 VIEW	029	0
PLAN & PROFILE 9 - INDIAN RIVER BAY ROUTE	012	0	TRANSITION VAULT DETAILS -SECTION 3 VIEW	030	0
PLAN & PROFILE 10 - INDIAN RIVER BAY ROUTE	013	0	HDD 1 PLAN & PROFILE WEST LANDING	031	0
PLAN & PROFILE 11 - INDIAN RIVER BAY ROUTE	014	1	HDD 2 PLAN & PROFILE EAST LANDING - IRB	032	2
PLAN & PROFILE 12 - INDIAN RIVER BAY ROUTE	015	1	HDD 3 PLAN & PROFILE EAST LANDING - ATLANTIC	033	1
PLAN & PROFILE 13 - INDIAN RIVER BAY ROUTE	016	1	3R'S PARKING LOT PERMANENT DISTURBANCE AREA	034	1
PLAN & PROFILE 14 - INDIAN RIVER BAY ROUTE	017	1	3R'S PARKING LOT TEMPORARY DISTURBANCE AREA	035	1
ONSHORE PLAN & PROFILE 3R'S PARKING LOT	018	1	WEST LANDING PERMANENT DISTURBANCE AREA	036	1
ONSHORE PLAN & PROFILE 3R'S PARKING LOT	019	0	WEST LANDING TEMPORARY DISTURBANCE AREA	037	1

**W.W.S**

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DATE: 01/08/2025

BY: Matthew Jones

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2	03/25/24	ISSUED FOR PERMITTING	SLH	DJ	RW			0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
1	03/07/24	ISSUED FOR PERMITTING	SLH	DJ	RW			NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP

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DESIGNER DJ		DRAWN SLH		CODE				
CHECKED RW		DATE 10/13/23		AREA				

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**APPROVED PLANS**

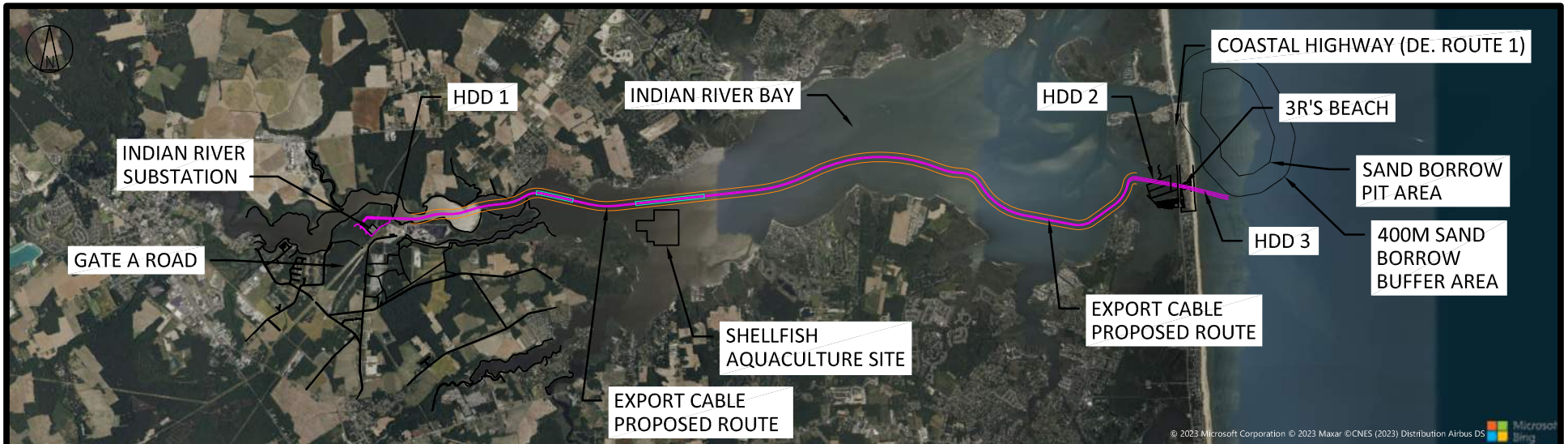
PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# Project Route Overview and General Notes



PLAN VIEW

**GENERAL NOTES:**

1. Coordinates are in US Survey Feet, NAD 83, Delaware State Plane (SPCS 700)
2. Elevations are in US Survey Feet NAVD 88.
3. Route is not final. Minor adjustments in routing may be required as additional information is collected.
4. Disturbance area in water is based on the proposed installation methods.
5. Barge access dredge line is bottom of trench. Extents shown do not include side slopes. Side slope widths may vary.

**W.W.S**

**APPROVED PLANS**

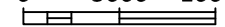
PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones


(SEE PERMIT CONDITIONS)

0 5000 10000 FEET



SCALE 1"=10000'

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1	03/07/24	ISSUED FOR PERMITTING	SLH	DJ	RW			NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>			US WIND INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS							PROJECT DRAWING NUMBER 410735 - 002			REV 2		
DESIGNER DJ		DRAWN SLH		VICINITY MAP & GENERAL NOTES							CODE				
CHECKED RW		DATE 10/13/23									AREA				

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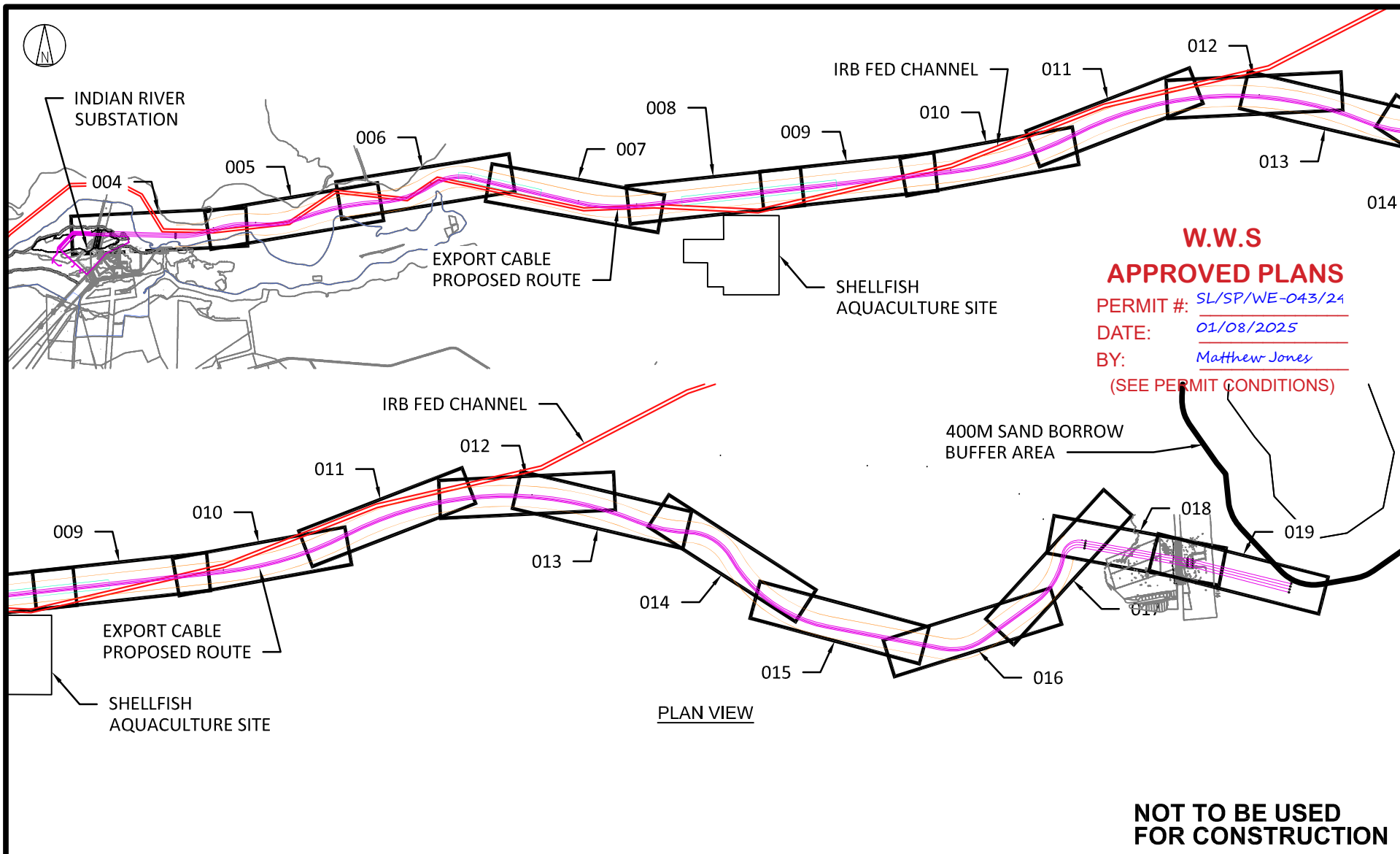
DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# Plan and Profile Drawing

## Sheet Key Map



1	03/25/24	ISSUED FOR PERMITTING	SLH	DJ	RW		0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
							NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP

 <b>BLACK &amp; VEATCH</b> Building a world of difference.®		US WIND INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS		PROJECT 410735 - 003	DRAWING NUMBER 410735 - 003	REV 1
DESIGNER DJ	DRAWN SLH		KEY MAP	CODE		
CHECKED RW	DATE 10/13/23			AREA		



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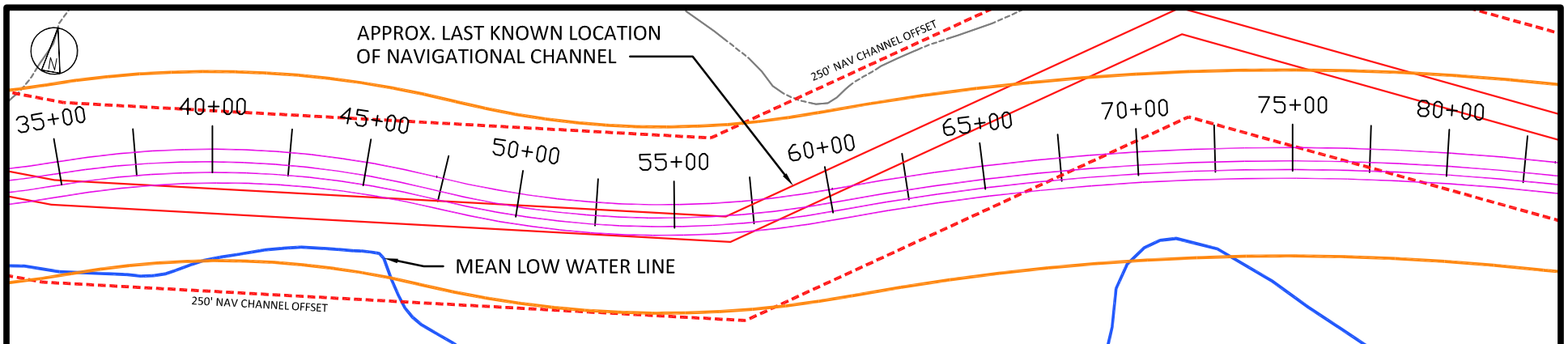
BY: Matthew Jones

(SEE PERMIT CONDITIONS)

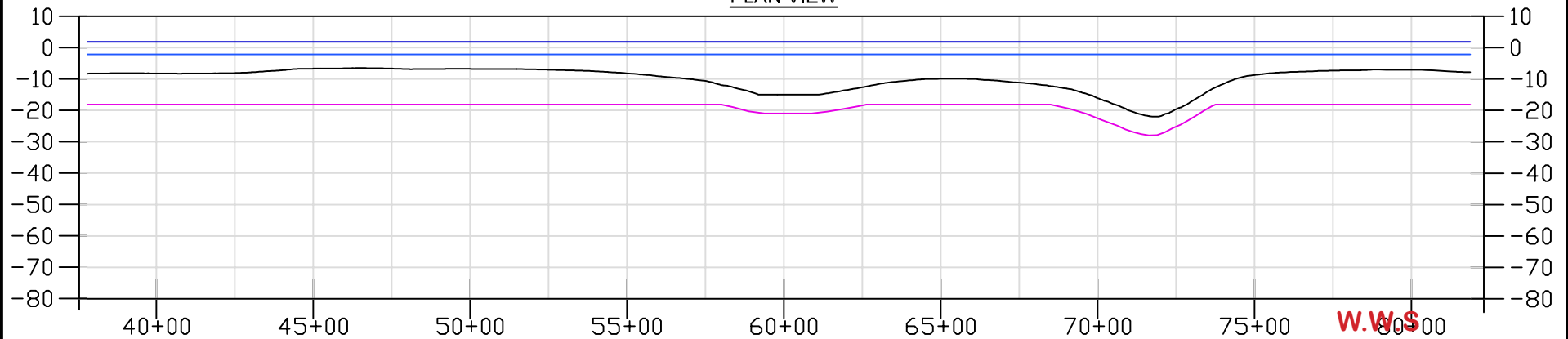
# Plan and Profiles

## Indian River Bay





PLAN VIEW



PROFILE VIEW

**LEGEND:**

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE  
(DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
40+00	80+00	CAMPAIGN 1	0 CU. YDS
		CAMPAIGN 2	0 CU. YDS

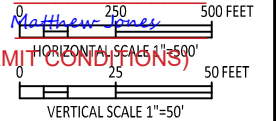
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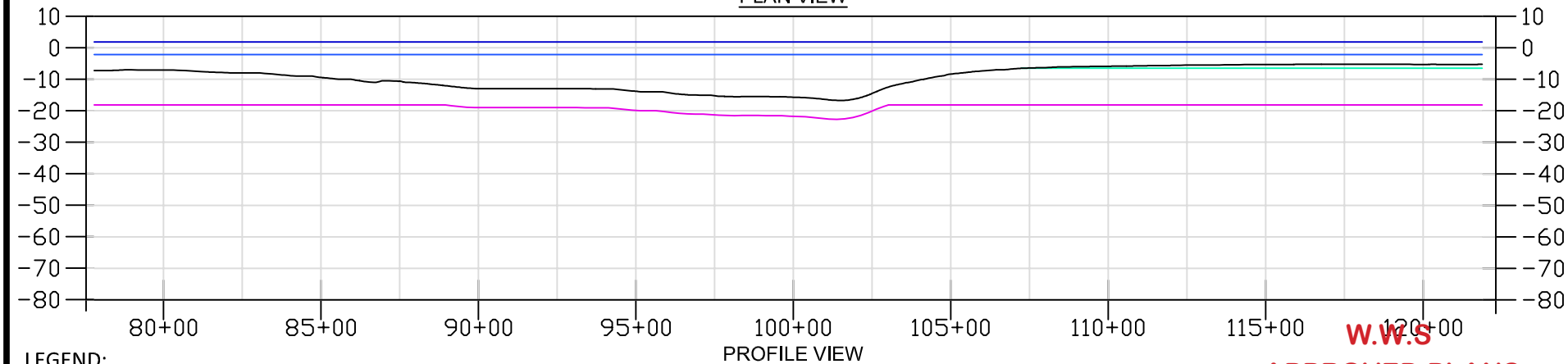
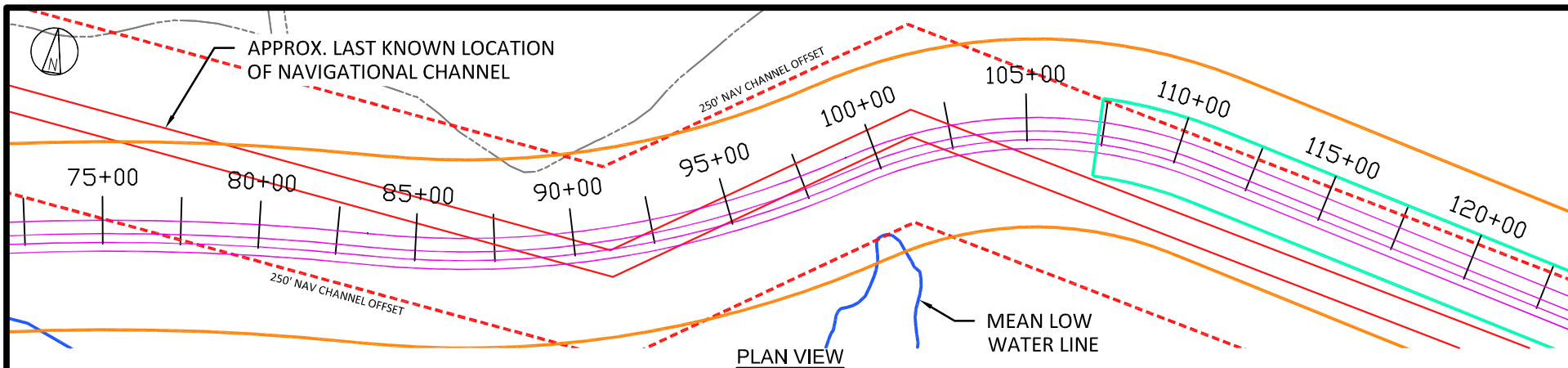
**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

PROJECT: 410735 - 005  
DRAWING NUMBER: 0

DESIGNER: DJ  
DRAWN: SLH  
CHECKED: RW  
DATE: 10/13/23

PLAN & PROFILE 2  
INDIAN RIVER BAY ROUTE

CODE:   
AREA:



#### LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
80+00	120+00	CAMPAIGN 1	10,417 CU. YDS
		CAMPAIGN 2	14,931 CU. YDS

#### APPROVED PLANS

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(SEE PERMIT CONDITIONS)

HORIZONTAL SCALE 1"=500'

VERTICAL SCALE 1"=50'

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

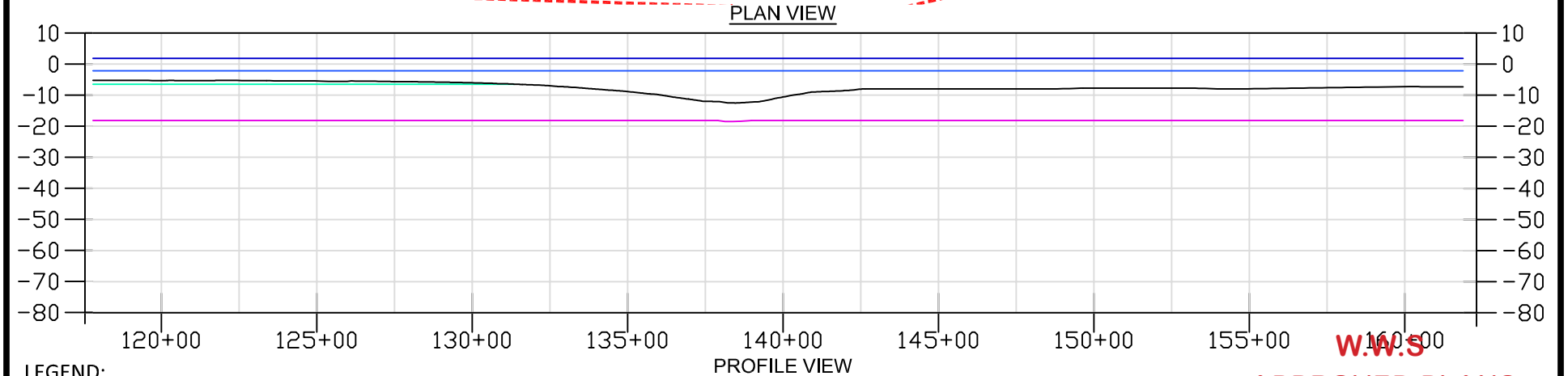
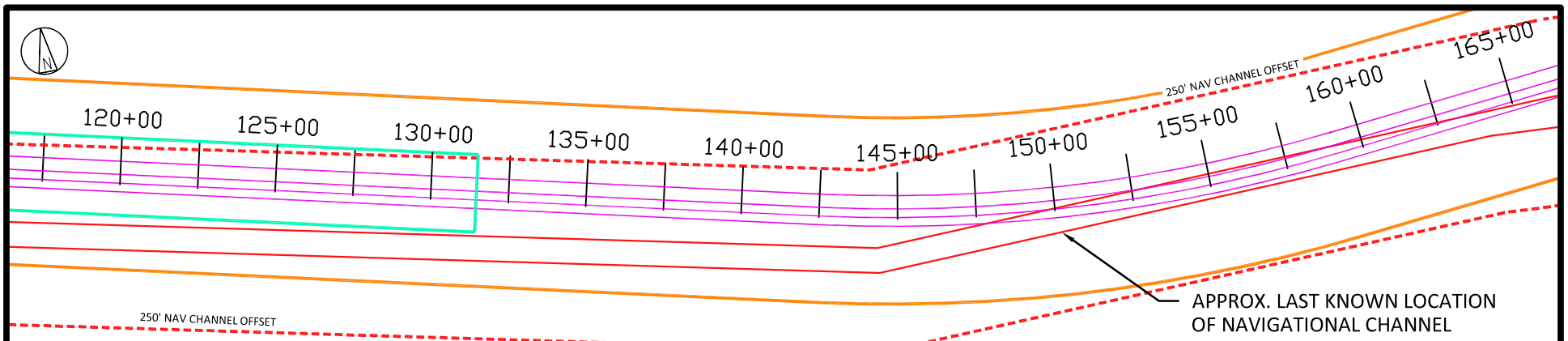
PROJECT DRAWING NUMBER  
410735 - 006

REV  
0

DESIGNER DJ	DRAWN SLH
CHECKED RW	DATE 10/13/23

PLAN & PROFILE 3  
INDIAN RIVER BAY ROUTE

CODE  
AREA



#### LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
120+00	160+00	CAMPAIGN 1	7,778 CU. YDS
		CAMPAIGN 2	11,148 CU. YDS

#### APPROVED PLANS

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: [Signature]

(SEE PERMIT CONDITIONS)

HORIZONTAL SCALE 1"=500'

VERTICAL SCALE 1"=50'

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

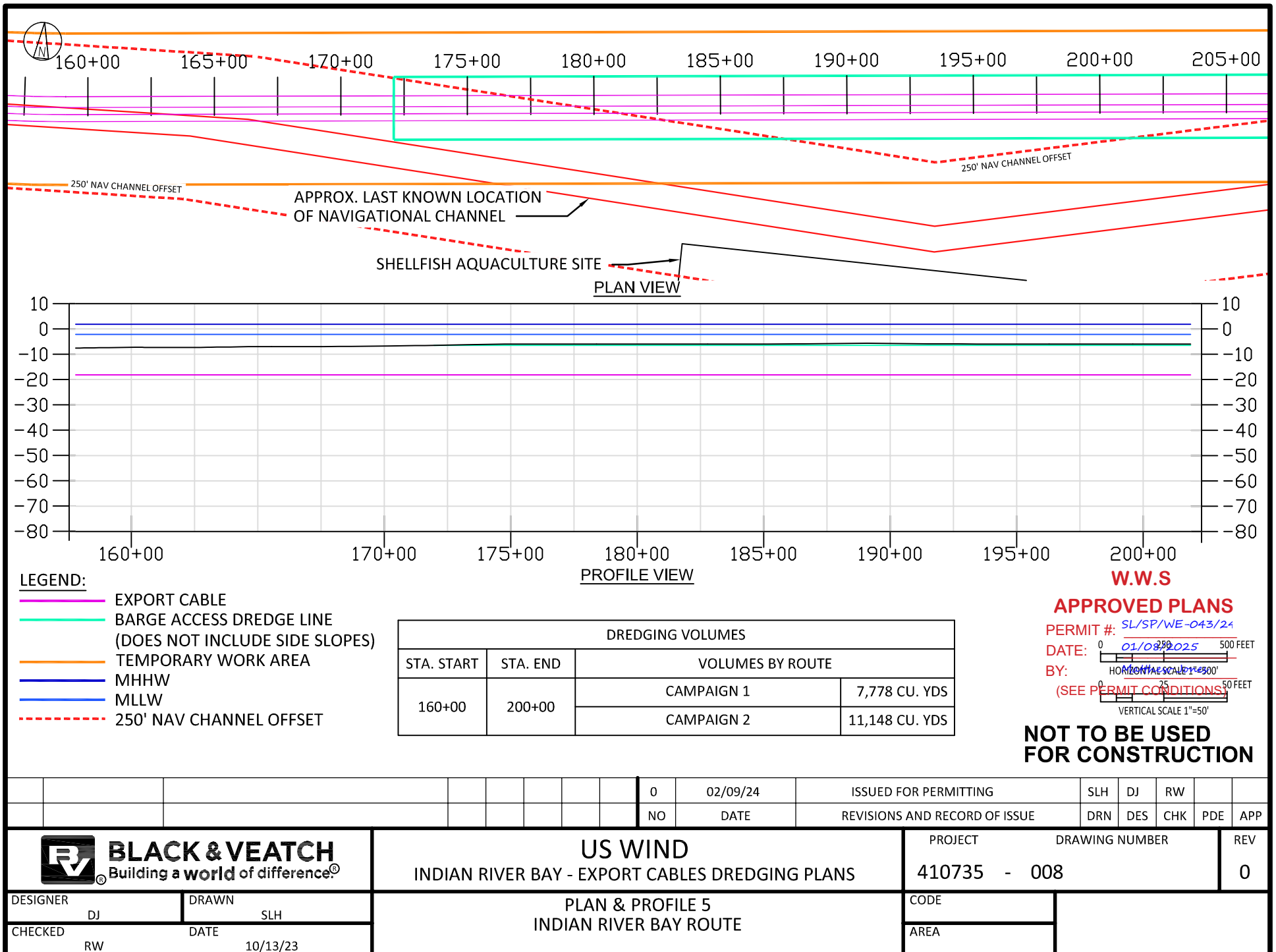
PROJECT: 410735 - 007  
DRAWING NUMBER: 007

REV: 0

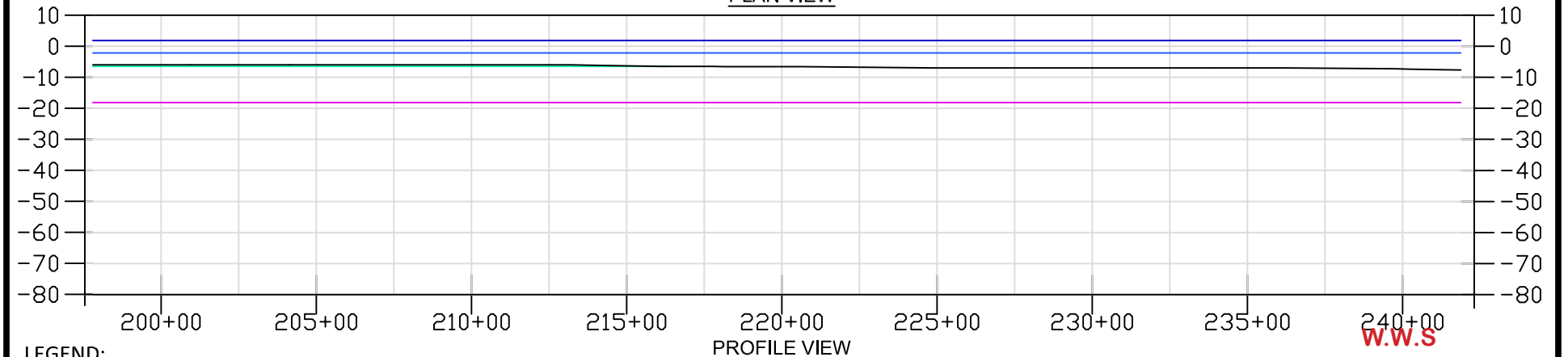
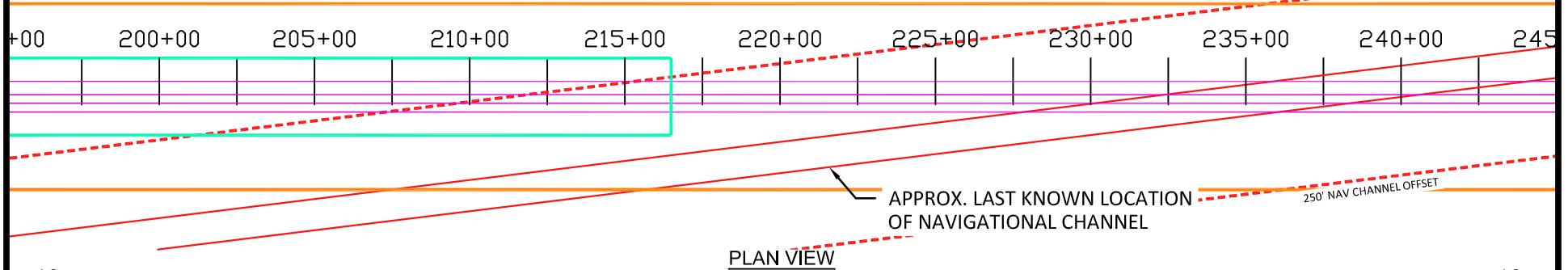
DESIGNER: DJ	DRAWN: SLH
CHECKED: RW	DATE: 10/13/23

PLAN & PROFILE 4  
INDIAN RIVER BAY ROUTE

CODE:  
AREA:







**LEGEND:**

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
200+00	240+00	CAMPAIGN 1	4,306 CU. YDS
		CAMPAIGN 2	6,171 CU. YDS

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24  
DATE: 01/08/2025  
BY: [Signature]  
HORIZONTAL SCALE 1"=500'  
VERTICAL SCALE 1"=50'  
(SEE PERMIT CONDITIONS)

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



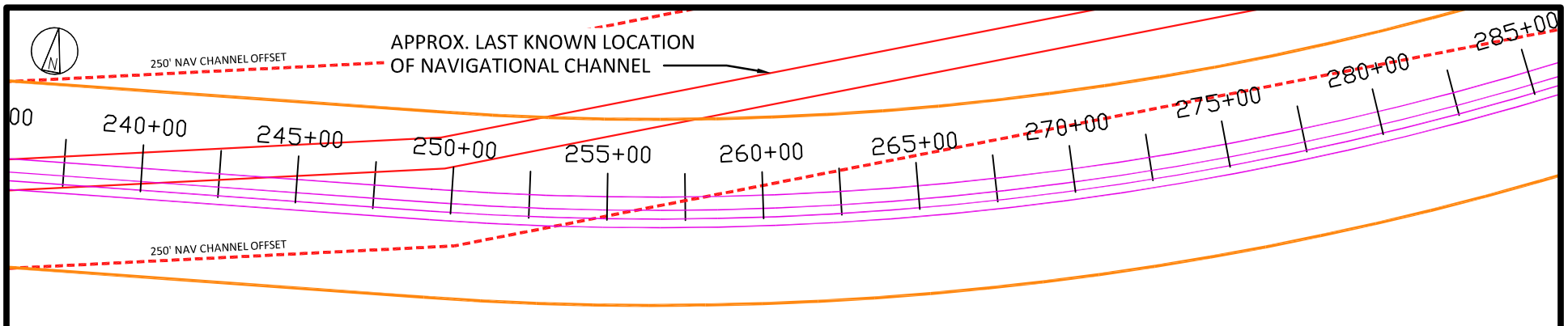
**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

PROJECT: 410735 - 009  
DRAWING NUMBER: 0  
REV: 0

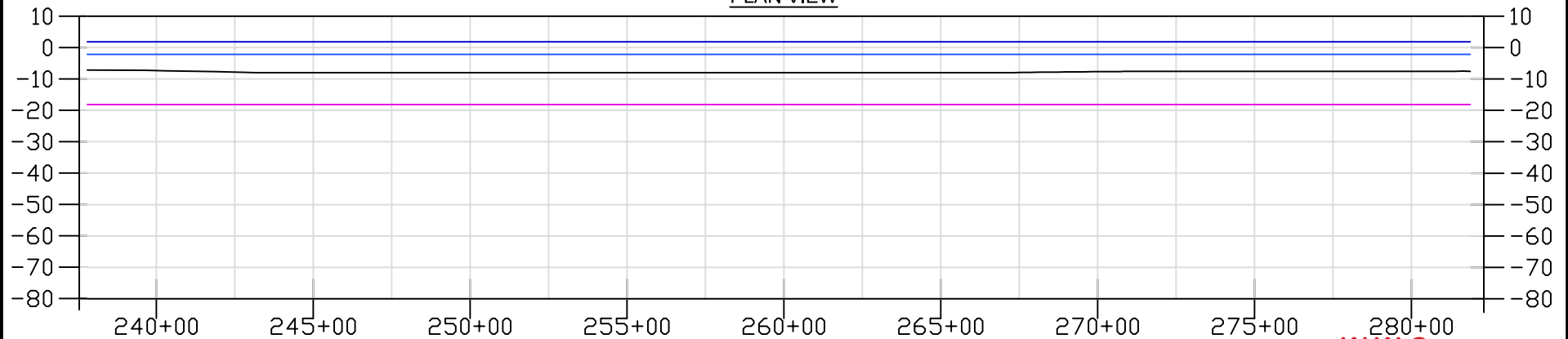
DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

**PLAN & PROFILE 6**  
INDIAN RIVER BAY ROUTE

CODE	
AREA	



PLAN VIEW



PROFILE VIEW

LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE  
(DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
240+00	280+00	CAMPAIGN 1	0 CU. YDS
		CAMPAIGN 2	0 CU. YDS

W.W.S

APPROVED PLANS

PERMIT #: SL/SP/WE-043/24  
 DATE: 01/08/2025  
 BY: Matthew Jones  
 (SEE PERMIT CONDITIONS)

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

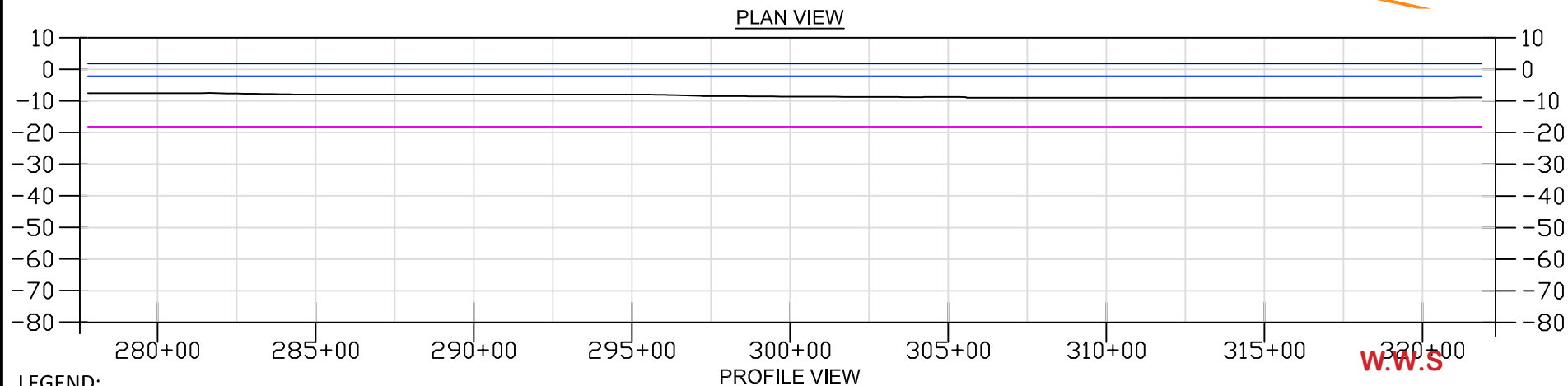
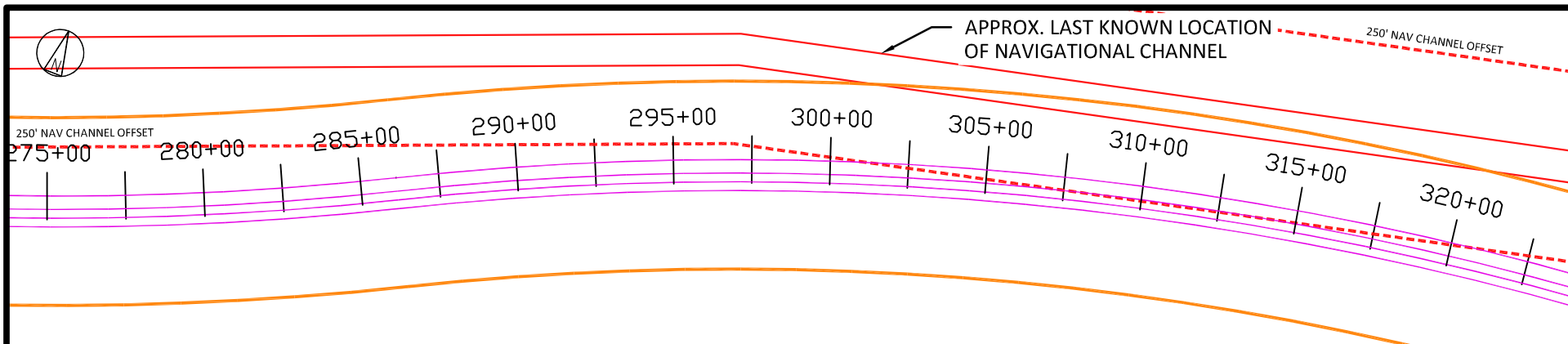
PROJECT: 410735 - 010  
DRAWING NUMBER: 010

REV: 0

DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

PLAN & PROFILE 7  
INDIAN RIVER BAY ROUTE

CODE	
AREA	



#### LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
280+00	320+00	CAMPAIGN 1	0 CU. YDS
		CAMPAIGN 2	0 CU. YDS

#### APPROVED PLANS

PERMIT #: SL/SP/WE-043/24  
 DATE: 01/08/2025  
 BY: Matthew Jones  
 (SEE PERMIT CONDITIONS)  
 HORIZONTAL SCALE 1"=500'  
 VERTICAL SCALE 1"=50'

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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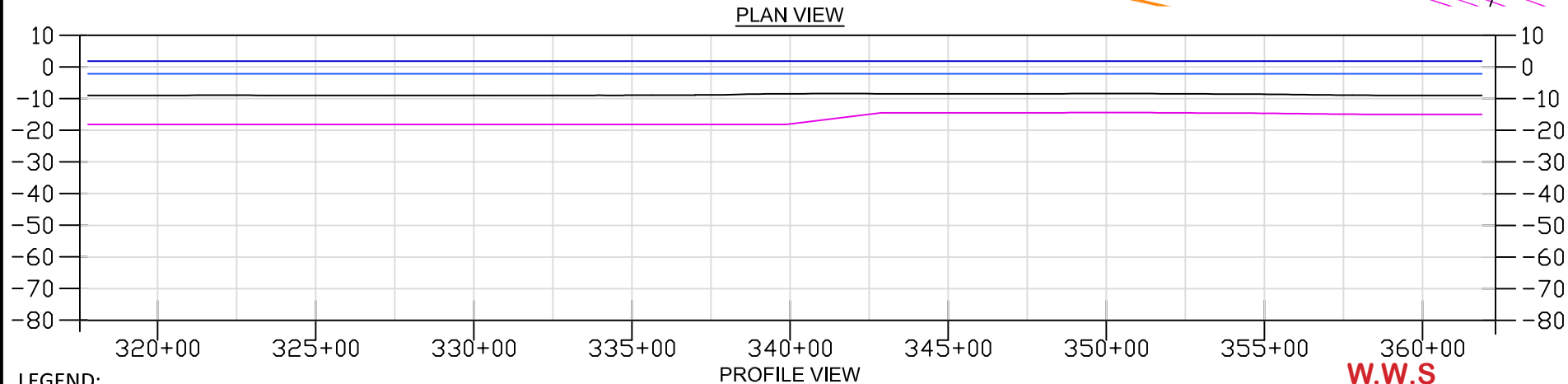
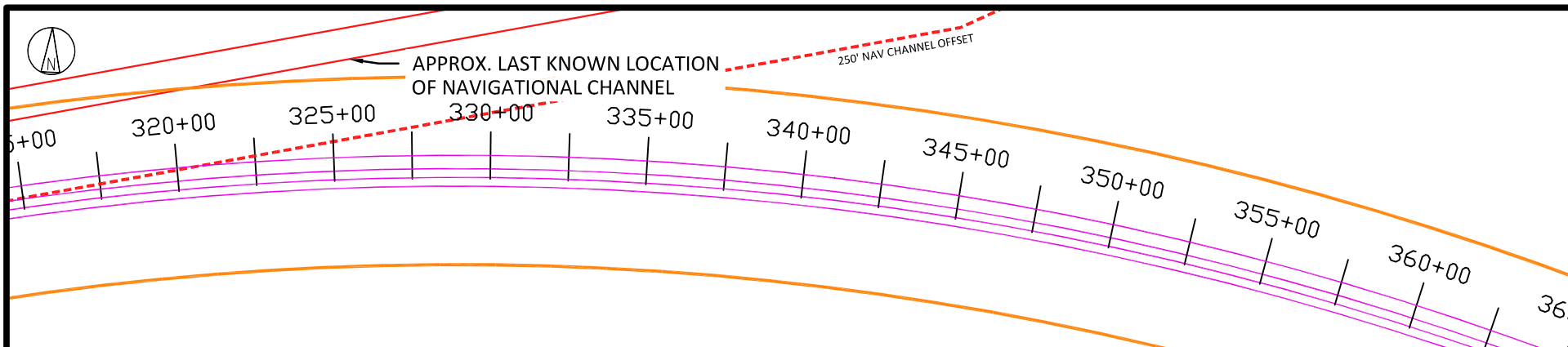
**US WIND**  
 INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

PROJECT: 410735 - 011  
 DRAWING NUMBER: 011  
 REV: 0

DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

**PLAN & PROFILE 8**  
 INDIAN RIVER BAY ROUTE

CODE	
AREA	



# LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
320+00	360+00	CAMPAIGN 1	0 CU. YDS
		CAMPAIGN 2	0 CU. YDS

**W.W.S**  
**APPROVED PLANS**  
 PERMIT #: SL/SP/WE-043/24  
 DATE: 01/08/2025  
 BY: Matthew Jones  
 (SEE PERMIT FOR NOTES)  
**NOT TO BE USED FOR CONSTRUCTION**

0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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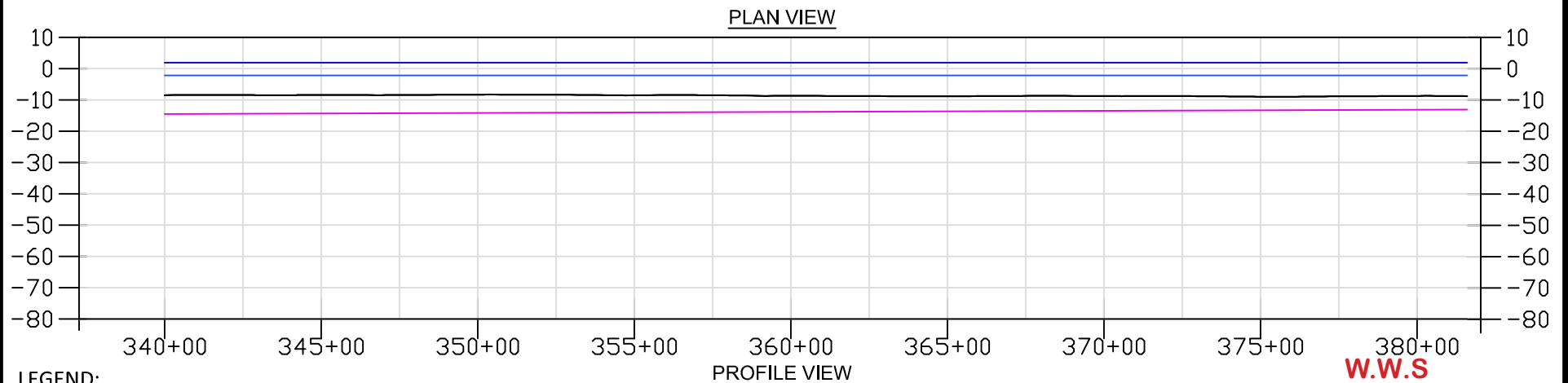
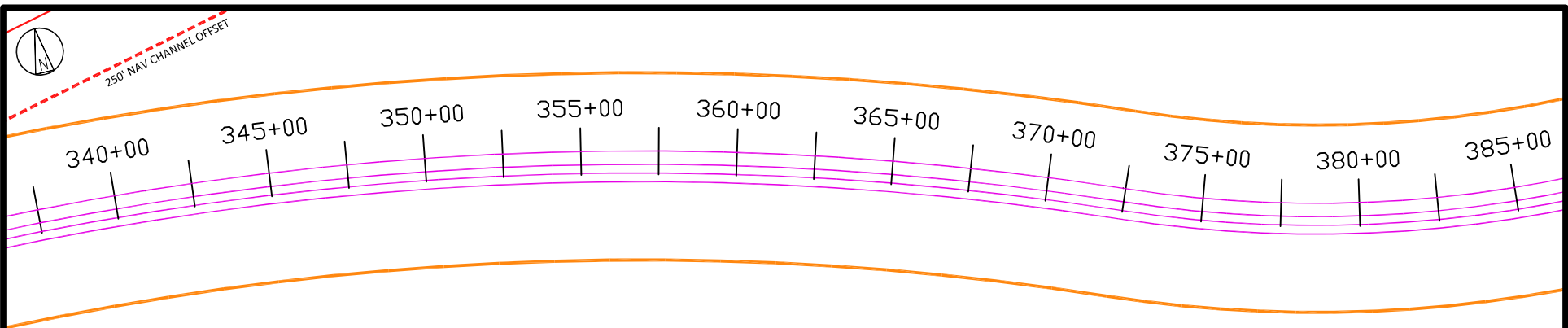
**US WIND**  
 INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

PROJECT: 410735 - 012  
 DRAWING NUMBER: 012  
 REV: 0

DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

**PLAN & PROFILE 9**  
 INDIAN RIVER BAY ROUTE

CODE	
AREA	



#### LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE  
(DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
340+00	380+00	CAMPAIGN 1	0 CU. YDS
		CAMPAIGN 2	0 CU. YDS

**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/25

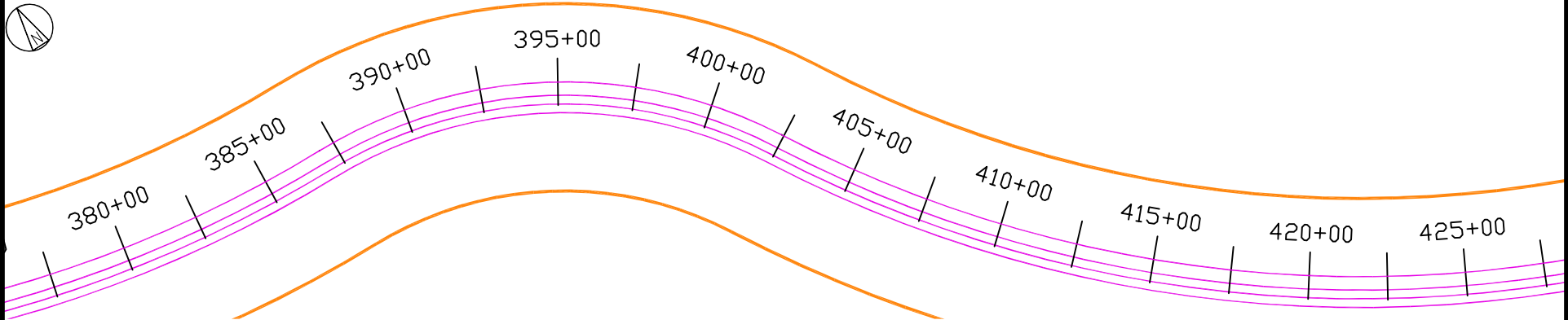
BY: [Signature]

(SEE PERMIT FOR CONDITIONS)

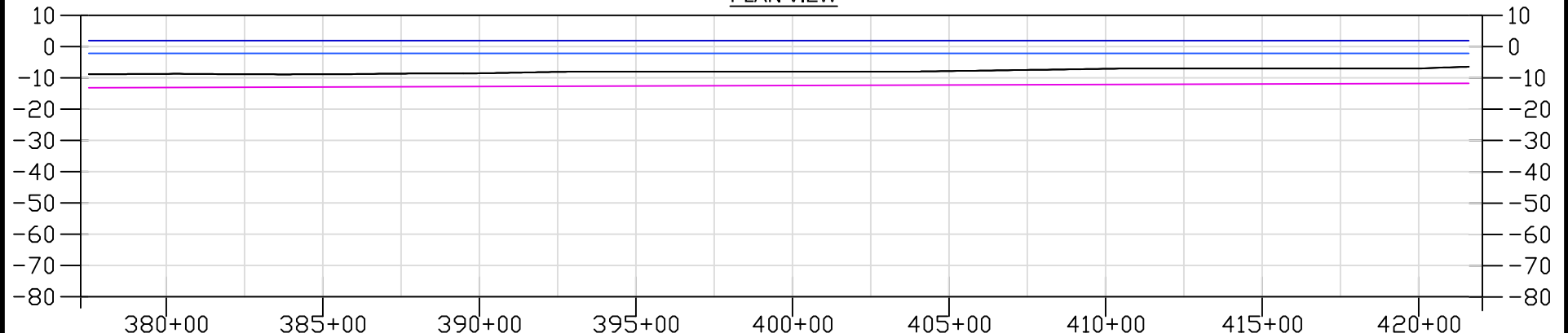
**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP

 <b>BLACK &amp; VEATCH</b> Building a world of difference.®		US WIND INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS		PROJECT 410735	DRAWING NUMBER - 013	REV 0
DESIGNER DJ	DRAWN SLH	PLAN & PROFILE 10 INDIAN RIVER BAY ROUTE		CODE		
CHECKED RW	DATE 10/13/23			AREA		



PLAN VIEW



PROFILE VIEW

LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE  
(DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
380+00	420+00	CAMPAIGN 1	0 CU. YDS
		CAMPAIGN 2	0 CU. YDS

W.W.S

APPROVED PLANS

PERMIT #: SL/SP/WE-043/24  
DATE: 01/08/2025  
BY: Matthew Jones  
(SEE PERMIT CONDITIONS)  
HORIZONTAL SCALE 1"=500'  
VERTICAL SCALE 1"=50'

NOT TO BE USED  
FOR CONSTRUCTION

1	03/07/24	ISSUED FOR PERMITTING	SLH	DJ	RW			0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

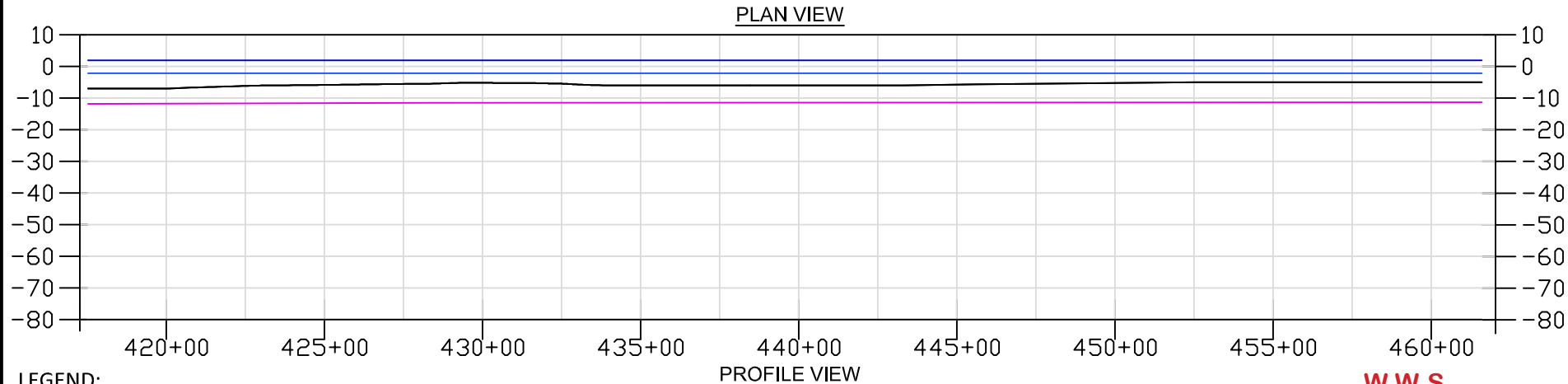
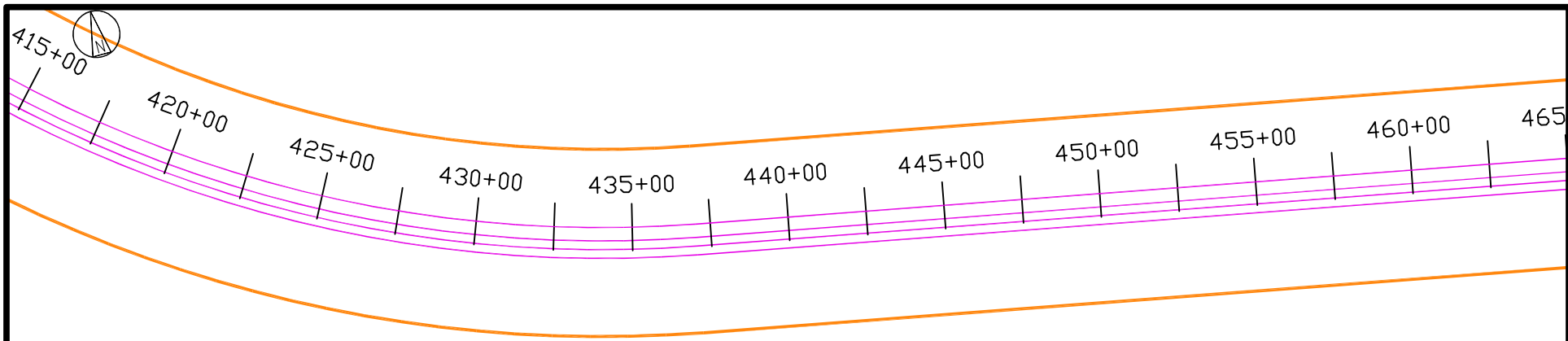
PROJECT: 410735 - 014  
DRAWING NUMBER: 014  
REV: 1

DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

PLAN & PROFILE 11  
INDIAN RIVER BAY ROUTE

CODE	
AREA	





#### LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

DREDGING VOLUMES			
STA. START	STA. END	VOLUMES BY ROUTE	
420+00	460+00	CAMPAIGN 1	0 CU. YDS
		CAMPAIGN 2	0 CU. YDS


**W.W.S**

#### APPROVED PLANS

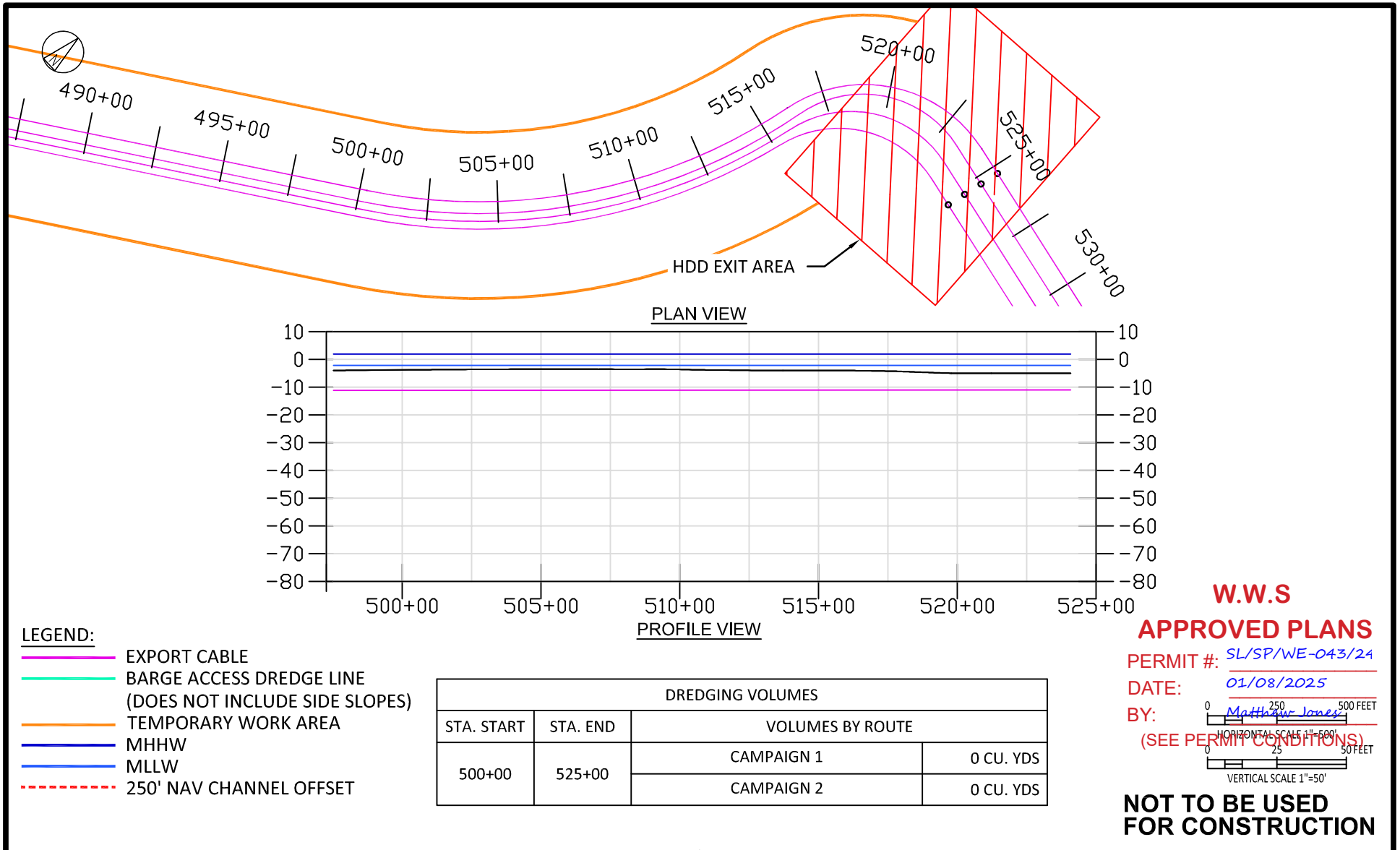
PERMIT #: SL/SP/WE-043/24  
 DATE: 01/08/2025  
 BY: Matthew Jones  
 HORIZONTAL SCALE 1"=500'  
 VERTICAL SCALE 1"=50'  
 (SEE PERMIT CONDITIONS)


**NOT TO BE USED  
FOR CONSTRUCTION**

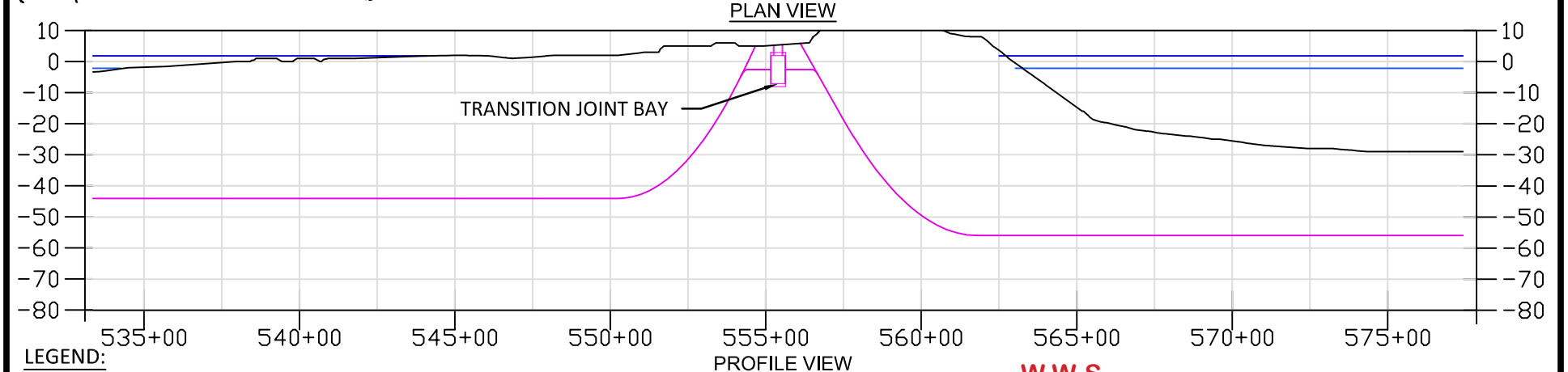
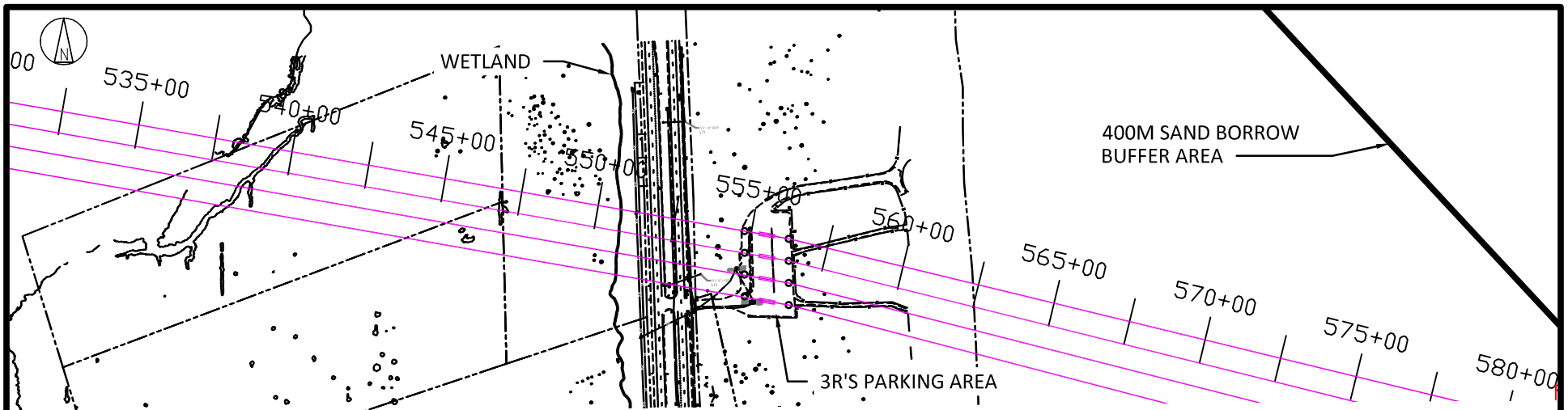
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								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP

 <b>BLACK &amp; VEATCH</b> Building a world of difference®	<b>US WIND</b> INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS		PROJECT 410735 - 015	DRAWING NUMBER 410735 - 015	REV 1
	DESIGNER DJ		DRAWN SLH		CODE
	CHECKED RW		DATE 10/13/23		AREA





								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW			
1	03/07/24	ISSUED FOR PERMITTING	SLH	DJ	RW			NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP	
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference.®</div>			US WIND INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS							PROJECT DRAWING NUMBER 410735 - 017				REV 1		
DESIGNER DJ		DRAWN SLH		PLAN & PROFILE 14 INDIAN RIVER BAY ROUTE							CODE					
CHECKED RW		DATE 10/13/23									AREA					



**LEGEND:**

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - - 250' NAV CHANNEL OFFSET

**W.W.S**

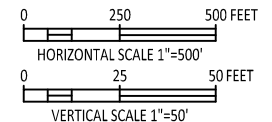
**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)



**NOT TO BE USED  
FOR CONSTRUCTION**

1	03/25/24	ISSUED FOR PERMITTING	SLH	DJ	RW		0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
							NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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Building a world of difference®

**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

PROJECT: 410735 - 018  
DRAWING NUMBER: 018

REV: 1

DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

ONSHORE PLAN & PROFILE 3R'S PARKING LOT

CODE	
AREA	



**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# **Ductbank Cross Section**

## **(Westside Land-based From Transition Vault To Substation)**

W.W.S

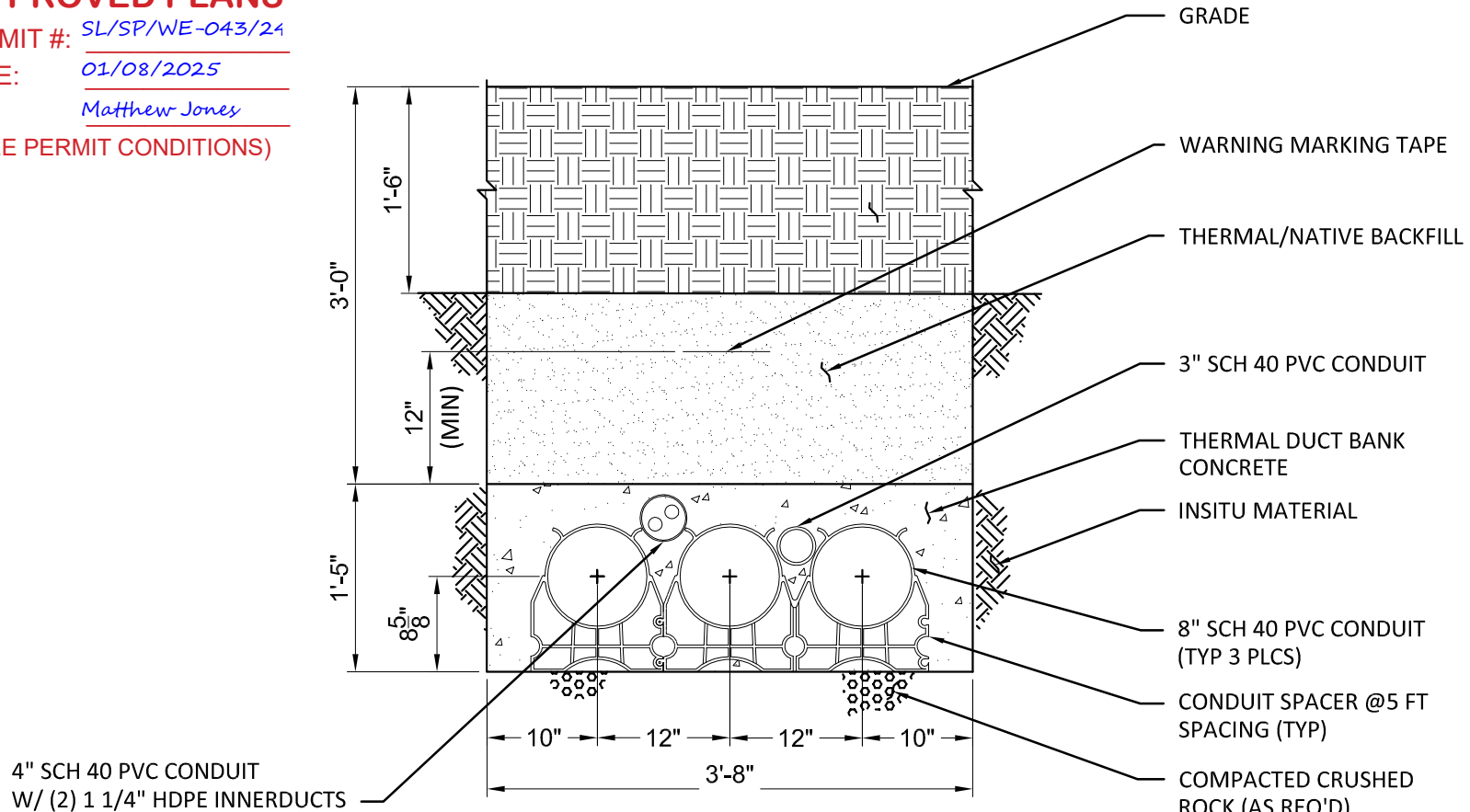
APPROVED PLANS

PERMIT #: SL/SP/WE-043/24


DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)



NOT TO BE USED  
FOR CONSTRUCTION

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW																		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP																
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>								US WIND INDIAN RIVER BAY - EXPORT CABLES								PROJECT				DRAWING NUMBER				REV							
																410735				- 020				0							
								DESIGNER				DRAWN				DUCT BANK SECTION								CODE							
								CHECKED				DATE												AREA							
								DJ				SLH																			
RW				10/13/23																											

**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

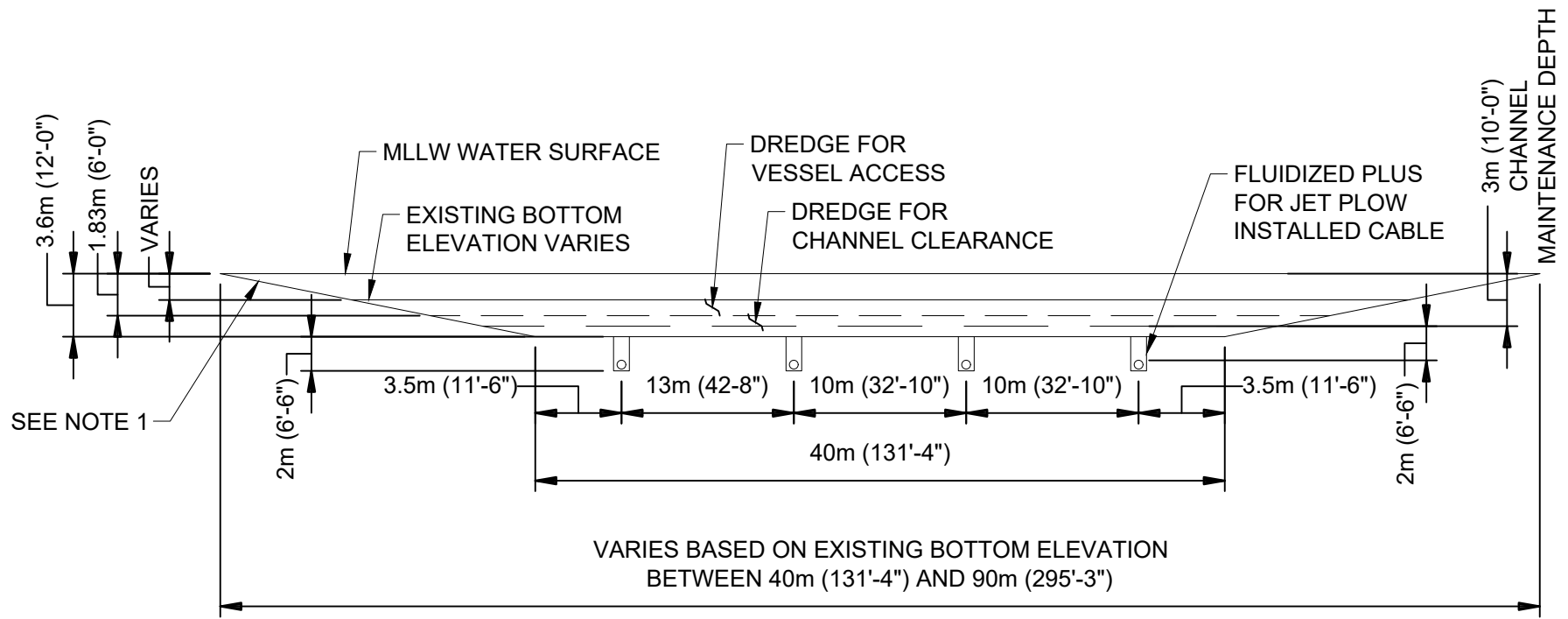
DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# Typical Submarine Cable Trench Details During Installation





DETAIL A  
IN WATER CABLE INSTALLATION CROSS-SECTION  
NEAR EXISTING CHANNEL  
 SCALE: 1/32" = 1'-0"

**NOTES:**

1. SLOPED SIDE, ANGLE TO BE DETERMINED, EXPECT TO BE BETWEEN 1:5 AND 1:10.

**W.W.S**


**APPROVED PLANS**

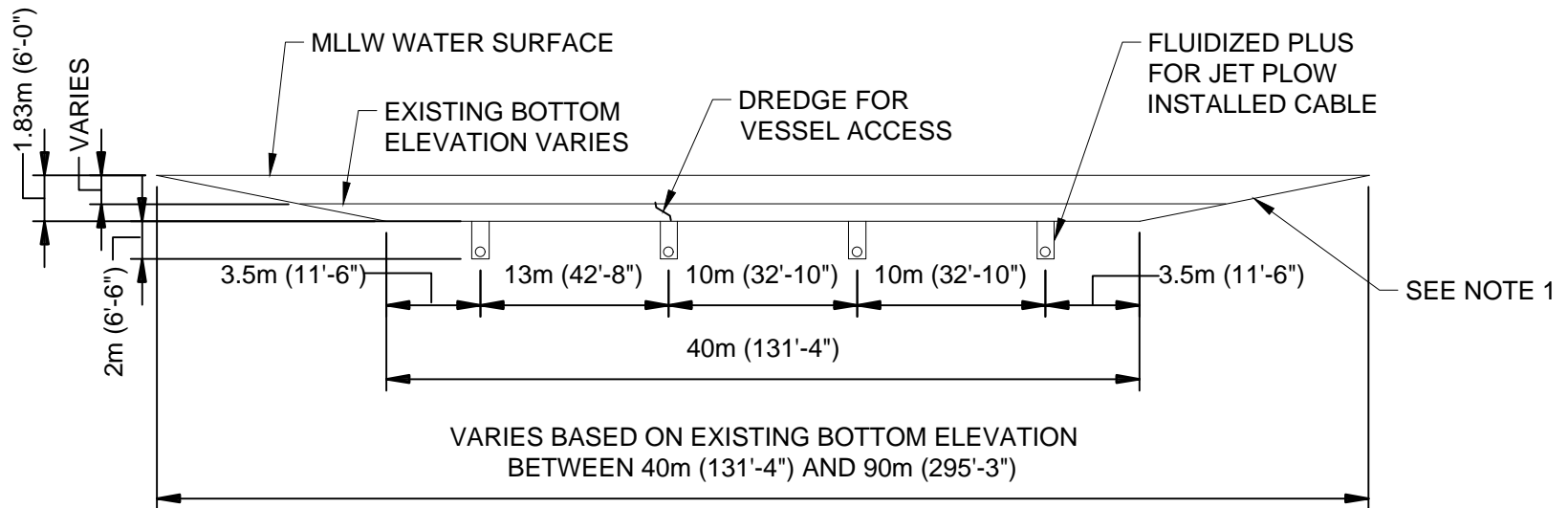
PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 <b>BLACK &amp; VEATCH</b> Building a world of difference®		<b>US WIND</b> INDIAN RIVER BAY - EXPORT CABLES								PROJECT	DRAWING NUMBER				REV
										410735 - 021					0
DESIGNER	DJ	DRAWN	SLH	TYPICAL CABLE CORRIDOR CROSS SECTION NEAR NAVIGATIONAL CHANNEL								CODE			
CHECKED	RW	DATE	10/13/23									AREA			




**DETAIL B**  
**IN WATER CABLE INSTALLATION CROSS-SECTION**  
**(AWAY FROM NAVIGATIONAL CHANNEL)**  
 SCALE: 1/32" = 1'-0"

**W.W.S**  
**APPROVED PLANS**  
 PERMIT #: SL/SP/WE-043/24  
 DATE: 01/08/2025  
 BY: Matthew Jones  
 (SEE PERMIT CONDITIONS)

**NOTES:**

1. SLOPED SIDE, ANGLE TO BE DETERMINED, EXPECT TO BE BETWEEN 1:5 AND 1:10.

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW														
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP												
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>								US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT			DRAWING NUMBER			REV							
														410735			- 022			0							
								DESIGNER		DJ		DRAWN		SLH		TYPICAL CABLE CORRIDOR CROSS SECTION AWAY FROM NAVIGATIONAL CHANNEL						CODE					
								CHECKED		RW		DATE		10/13/23								AREA					

**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# Horizontal Directional Drill Cross Section



**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# West Side Splicing Vault Details

W.W.S

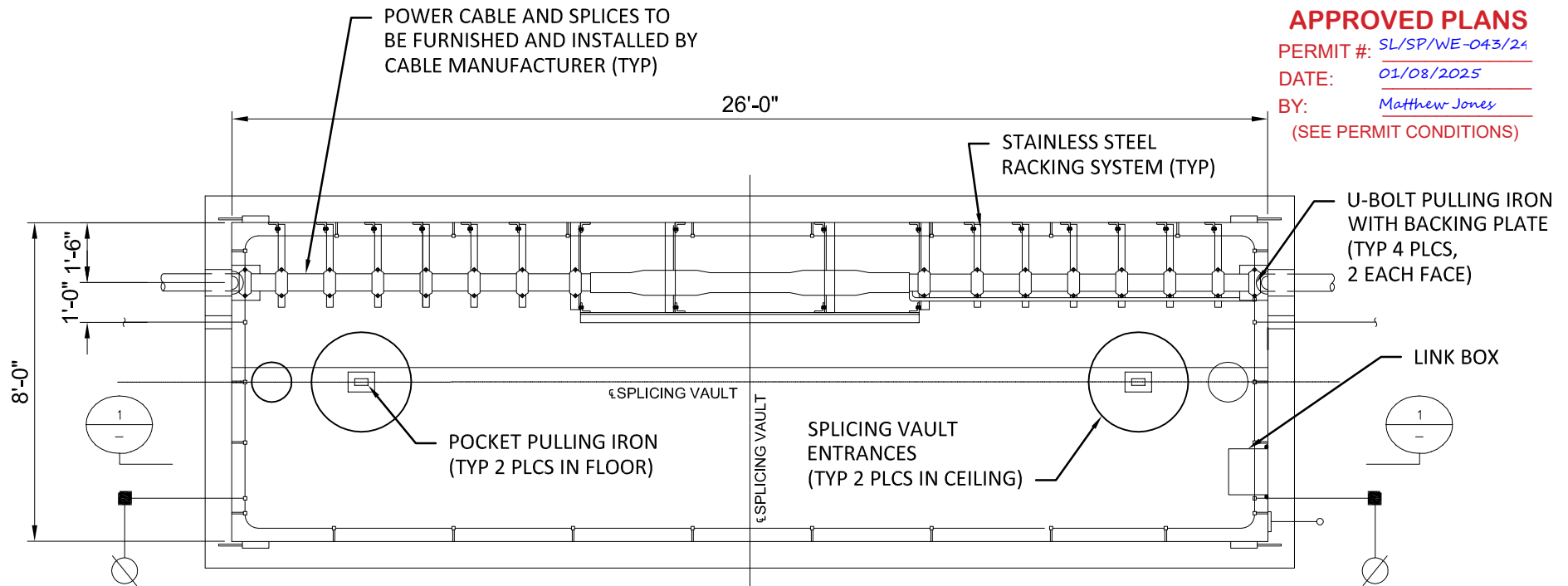
**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025


BY: Matthew Jones

(SEE PERMIT CONDITIONS)



PLAN VIEW  
SCALE: 1/4"=1'-0"

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW							
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP					
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>								US WIND INDIAN RIVER BAY - SINGLE CIRCUIT VAULT								PROJECT		DRAWING NUMBER		REV
																410735		- 024		0
DESIGNER		SPlicing VAULT ON LAND - PLAN VIEW						CODE												
DJ								SLH												
CHECKED								AREA												
RW								DATE												

W.W.S

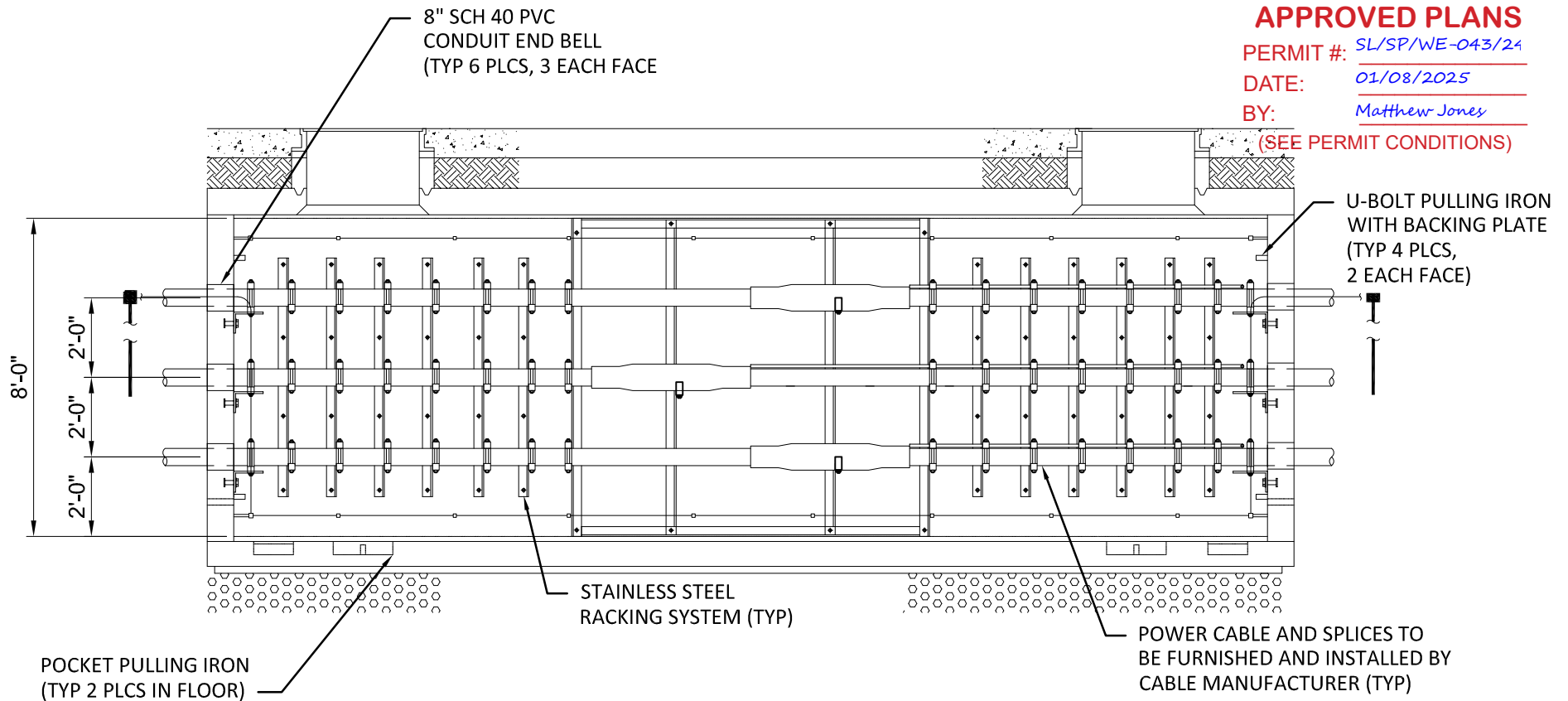
**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025


BY: Matthew Jones

(SEE PERMIT CONDITIONS)



SECTION 1  
SCALE: 1/4"=1'-0"

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW																		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP																
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>								US WIND INDIAN RIVER BAY - SINGLE CIRCUIT VAULT								PROJECT				DRAWING NUMBER				REV							
																410735				- 025				0							
								DESIGNER				DRAWN				SPlicing VAULT ON LAND - SECTION VIEW								CODE							
								DJ				SLH												AREA							
								CHECKED				DATE																			
RW				10/13/23																											

## Transition Vault Details

**-3 R's Parking Lot Submarine Cable to  
Submarine Cable Splices**

**-West Landing Submarine Cable to Land  
Cable Splices**



1. THE TRANSITION JOINT BAY SUPPLIER SHALL PROVIDE A SUFFICIENT NUMBER OF GRADE RINGS TO FACILITATE INSTALLATION OF THE TRANSITION JOINT BAY TO A DEPTH OF 4'-0" (TOP OF TRANSITION JOINT BAY TO GRADE) IF REQUIRED. TRANSITION JOINT BAY SHALL BE INSTALLED WITH A MINIMUM OF 1'-6" COVER.
2. EXTERIOR TRANSITION JOINT BAY SURFACES SHALL BE COATED WITH DAMP PROOFING, AND INTERIOR TRANSITION JOINT BAY SURFACES SHALL BE SEALED IN ACCORDANCE WITH THE SPECIFICATIONS.
3. THE TRANSITION JOINT BAY SHALL BE SUPPLIED WITH AN ADEQUATE QUANTITY OF JOINT SEALANT TO COMPLETELY SEAL ALL TRANSITION JOINT BAY JOINT INTERFACES, INCLUDING THE TRANSITION JOINT BAY COVER FRAME. JOINT SEALER TO BE K.T. SNYDER CO. "RAM-NEK" OR ACCEPTABLE EQUAL. SUPPLIER TO ENSURE SUFFICIENT JOINT SEALANT IS AVAILABLE AND APPLIED TO JOINT SURFACES WHEN SETTING TRANSITION JOINT BAYS.
4. PULLING IRONS SHALL BE RATED FOR A MINIMUM OF 32,000 LBS TENSION AT A LOADING ANGLE PERPENDICULAR TO THE WALL AND A SAFETY FACTOR OF 2.
5. TRANSITION JOINT BAY SUPPLIER SHALL PRECAST A MINIMUM 2" DEEP BY 2'-6" WIDE BY 4'-6" HIGH RECESS IN THE TRANSITION JOINT BAY OUTSIDE END WALL CENTERED AROUND EACH OF THE TWO DUCT ENTRANCES. TRANSITION JOINT BAY SUPPLIER SHALL FURNISH AND INSTALL 10 THREADED CONCRETE ANCHORS AND THREADED #4 BY 14 INCH LONG CONCRETE REINFORCING STEEL BARS AT EACH OF THE TWO DUCT ENTRANCES. CIVIL CONSTRUCTION SUBCONTRACTOR SHALL ENSURE A SUFFICIENT AMOUNT OF DUCT CONCRETE IS PLACED TO COMPLETELY FILL EACH RECESS.
6. TRANSITION JOINT BAY SUMP COVER SHALL BE FABRICATED USING MINIMUM 1/8"X3/4" STEEL BAR STOCK AND WELDED IN A CONFIGURATION FOR SUPPORT OF 300 PSF MINIMUM. COVER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. SUBCONTRACTOR SHALL SUBMIT COVER DESIGN FABRICATION DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION. TRANSITION JOINT BAY FLOOR SHALL BE SLOPED 1/16"/FT TOWARDS THE SUMP OPENING.
7. TRANSITION JOINT BAY FABRICATOR SHALL CAST WITHIN THE TRANSITION JOINT BAY END WALL PVC/HDPE MOLDED END BELL AND LONG BELL COUPLING FITTINGS TO FACILITATE INSTALLATION OF CONDUIT BY OTHERS. END BELLS SHALL BE SIZED AND LOCATED ON THE INTERIOR WALL AS SHOWN ON THE DRAWINGS.
8. TRANSITION JOINT BAY SHALL BE DESIGNED TO WITHSTAND AASHTO HS-25 HEAVY LOADINGS, USING WHICHEVER COMBINATION OF FORCES PRODUCES THE MAXIMUM STRESS.
9. FOR ADDITIONAL DESIGN PARAMETERS, SEE SPECIFICATIONS.
10. THE TRANSITION JOINT BAY SUPPLIER SHALL DESIGN AND INSTALL LIFTING LUGS SO AS TO SUPPORT THE WEIGHT OF EACH SECTION DURING PLACEMENT. LIFTING LUGS SHALL BE DESIGNED AND INSTALLED RECESSED INTO CONCRETE SLAB AND SHALL NOT PROTRUDE ABOVE FLOOR SURFACE.
11. REBAR WITHIN TRANSITION JOINT BAY WALLS SHALL NOT FORM A CLOSED LOOP AROUND ANY INDIVIDUAL 8 INCH CONDUIT OPENINGS. REBAR LOOPS ARE ACCEPTABLE WHEN ENCIRCLING ALL OF THE 8 INCH CONDUIT OPENINGS.
12. TRANSITION JOINT BAY SUPPLIER SHALL PROVIDE TWO (2) GROUNDING CONNECTIONS, EACH CONSISTING OF ONE (1) NEMA 2-HOLE PAD CONNECTED TO A BARE CONDUCTOR PIGTAIL CAST INTO THE TRANSITION JOINT BAY END WALL. CONNECTIONS SHALL BE EXOTHERMALLY WELDED AND CONTINUITY TESTED BEFORE AND AFTER INSTALLATION. PIGTAIL SHALL EXTEND A MINIMUM OF 8'-0" OUTSIDE OF THE WALL. SEE DETAIL A.
13. ALL FABRICATION DETAIL DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
14. AT NO POINT SHOULD A CLOSED METAL LOOP BE CREATED AROUND ANY ONE SINGLE CABLE.
15. VAULT WILL BE EXPOSED TO SEA WATER, WHICH CLASSIFIES AS EXPOSURE CLASS C2 PER ACI 318 WHICH REQUIRES ADDITIONAL MEASURE TO BE TAKEN TO PROTECT THE REINFORCEMENT FROM CORROSION. VAULT CONCRETE MIX DESIGN WILL REQUIRE A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 5,000 psi AND A MAXIMUM WATER CEMENT RATIO OF 0.40.

# APPROVED PLANS

PERMIT #: SL/SP/WE-043/24


DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP

 <b>BLACK &amp; VEATCH</b> Building a world of difference®	<b>US WIND</b> INDIAN RIVER BAY - EXPORT CABLES		PROJECT 410735 - 026	DRAWING NUMBER 026	REV 0
	DESIGNER DJ	DRAWN SLH	TRANSITION VAULT DETAILS -NOTES		CODE
	CHECKED RW	DATE 10/13/23			AREA



36" DIA TRANSITION JOINT BAY LID  
AND FRAME WITH IBSP LOGO  
(TYP 2 PLCS) (SEE NOTE 13)

5'-6" REMOVEABLE  
ROOF SECTION  
(TYP 2 PLCS)

PAVEMENT

COMPACTED  
ROAD  
BASE

GRADE RINGS  
(SEE NOTE 1) (TYP)  
7'-0" REMOVEABLE  
ROOF SECTION  
(TYP 7 PLCS)

GRADE

U-BOLT PULLING IRON  
WITH BACKING PLATE  
(TYP 2 PLCS) (SEE NOTE 4)

U-BOLT PULLING IRON  
WITH BACKING PLATE  
(TYP 2 PLCS) (SEE NOTE 4)

ANTI-FLOTATION COLLAR

M.A. INDUSTRIES Ø12"x4"  
PLASTIC SUMP WITH COVER  
(TYP 2 PLCS)

GEOTEXTILE

CRUSHED STONE

POCKET  
PULLING IRON  
(TYP 2 PLCS)

SECTION 1  
SCALE: 1/8"=1'-0"

**W.W.S**

**APPROVED PLANS**


PERMIT #: SL/SP/WE-043/24

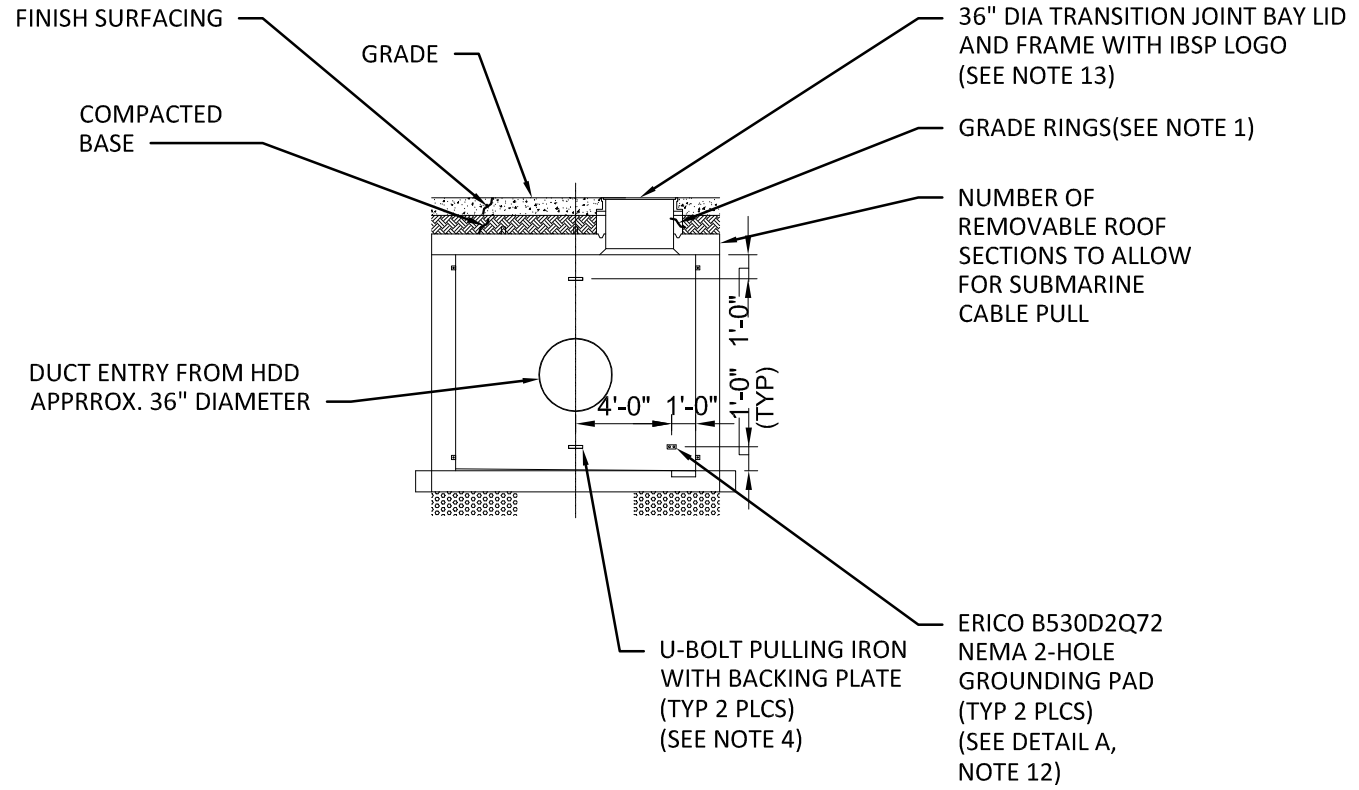
DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW																		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP																
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>								US WIND INDIAN RIVER BAY - EXPORT CABLES								PROJECT				DRAWING NUMBER				REV							
																410735				- 028				0							
								DESIGNER		DRAWN						TRANSITION VAULT DETAILS -SECTION VIEW								CODE							
								DJ		SLH														AREA							
								CHECKED		DATE																					
RW		10/13/23																													



SECTION 2  
SCALE: 1/8"=1'-0"

**W.W.S**

**APPROVED PLANS**


PERMIT #: SL/SP/WE-043/24


DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

**NOT TO BE USED  
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								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW																		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP																
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>								US WIND INDIAN RIVER BAY - EXPORT CABLES								PROJECT				DRAWING NUMBER				REV							
																410735				- 029				0							
								DESIGNER				DRAWN				TRANSITION VAULT DETAILS -SECTION 2 VIEW								CODE							
								CHECKED				DATE												AREA							
DJ				SLH																											
RW				10/13/23																											

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW				
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP		
 <b>BLACK &amp; VEATCH</b> Building a world of difference.®								<b>US WIND</b> INDIAN RIVER BAY - EXPORT CABLES					PROJECT 410735 - 030			DRAWING NUMBER 0	
DESIGNER DJ		DRAWN SLH		TRANSITION VAULT DETAILS -SECTION 3 VIEW					CODE								
CHECKED RW		DATE 10/13/23							AREA								

**W.W.S**

**APPROVED PLANS**

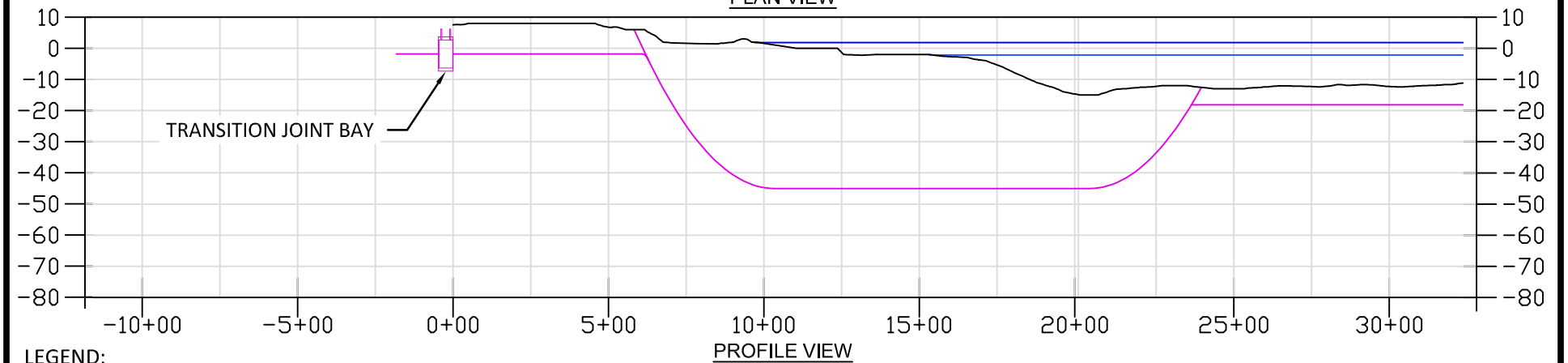
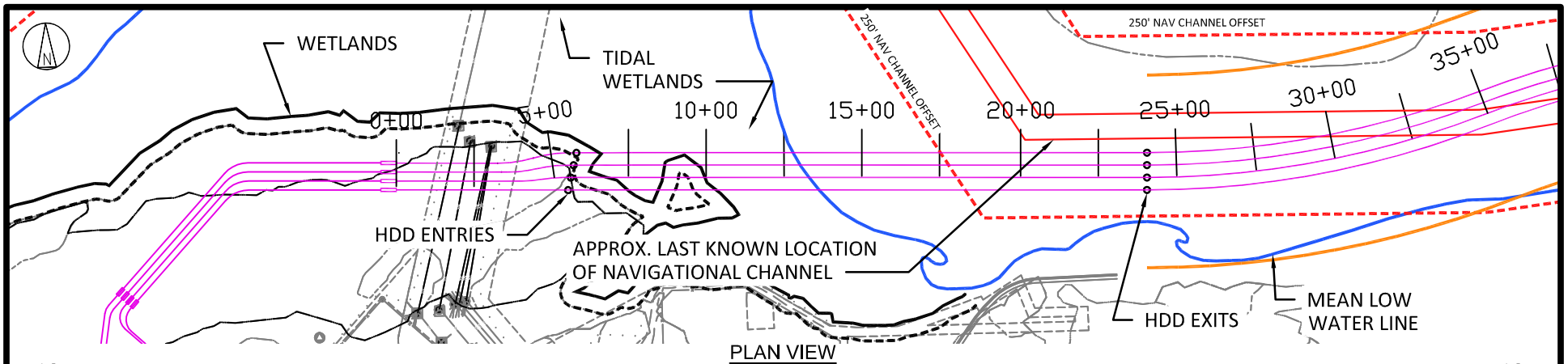
PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

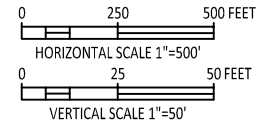
# Horizontal Directional Drill Plan and Profiles



**LEGEND:**

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE  
(DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

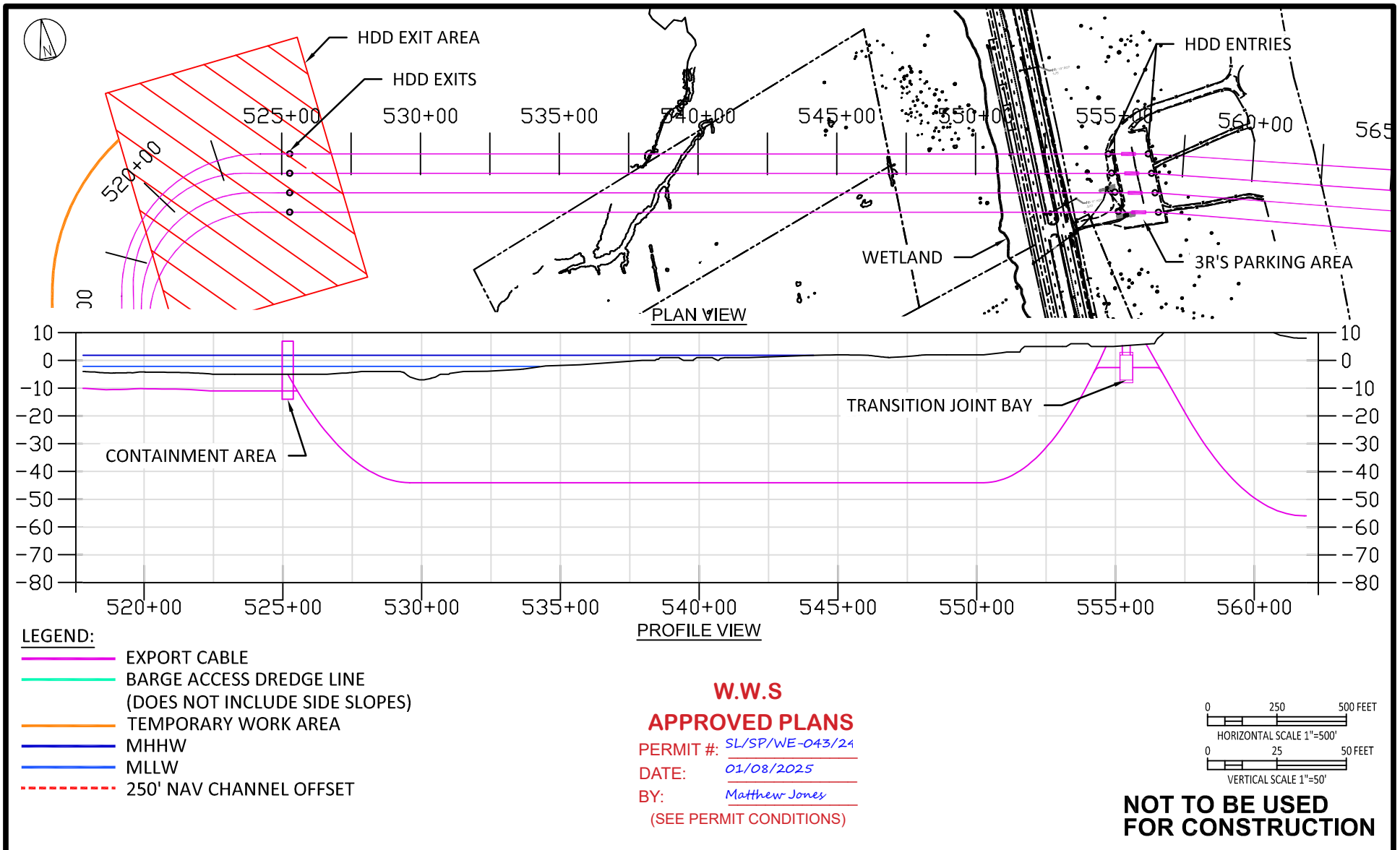
**W.W.S**  
**APPROVED PLANS**  
 PERMIT #: SL/SP/WE-043/24  
 DATE: 01/08/2025  
 BY: Matthew Jones  
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									NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP

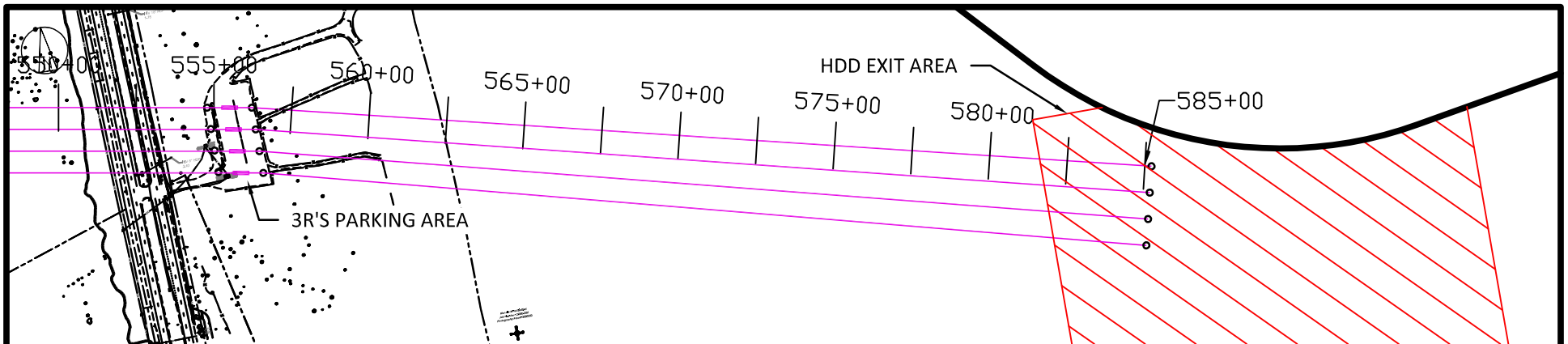
 <b>BLACK &amp; VEATCH</b> Building a world of difference.®		US WIND INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS		PROJECT 410735 - 031		DRAWING NUMBER		REV 0	
DESIGNER DJ		DRAWN SLH		HDD 1 PLAN & PROFILE WEST LANDING		CODE			
CHECKED RW		DATE 10/13/23				AREA			



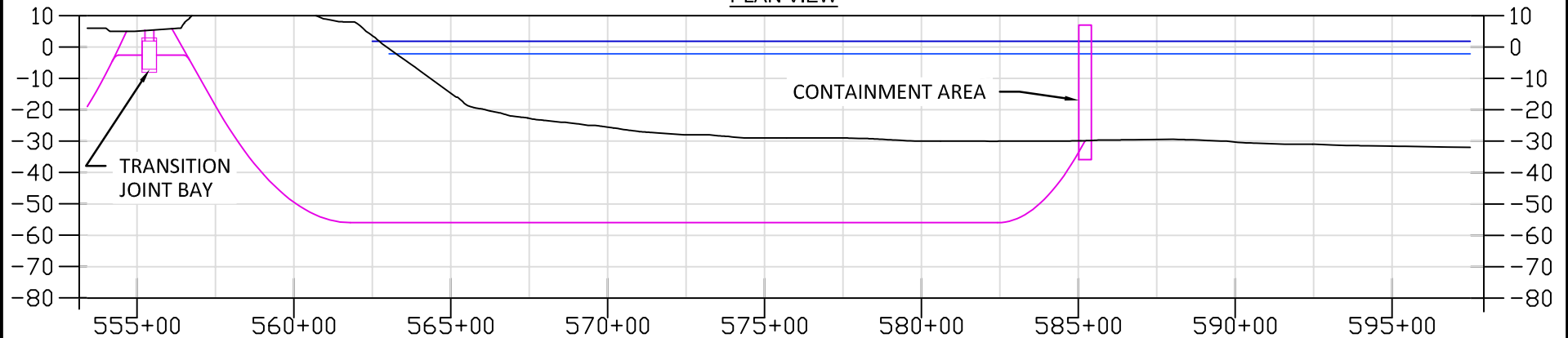
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1	03/07/24	ISSUED FOR PERMITTING	SLH	DJ	RW		NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP

<b>BLACK &amp; VEATCH</b> Building a world of difference®	<b>US WIND</b> INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS						PROJECT	DRAWING NUMBER			REV
	HDD PLAN & PROFILE 2						410735	- 032			2
	EAST LANDING - IRB						CODE				
DESIGNER	DRAWN						AREA				
DJ	SLH										
CHECKED	DATE										
RW	10/13/23										





PLAN VIEW



PROFILE VIEW

LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE  
(DOES NOT INCLUDE SIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW
- - - 250' NAV CHANNEL OFFSET

**W.W.S**

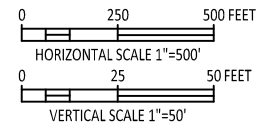
**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)



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FOR CONSTRUCTION**

1	03/25/24	ISSUED FOR PERMITTING	SLH	DJ	RW			0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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Building a world of difference®

**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES DREDGING PLANS

PROJECT: 410735 - 033  
DRAWING NUMBER: 033

REV: 1

DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

HDD 3 PLAN & PROFILE  
EAST LANDING - ATLANTIC

CODE	
AREA	

**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

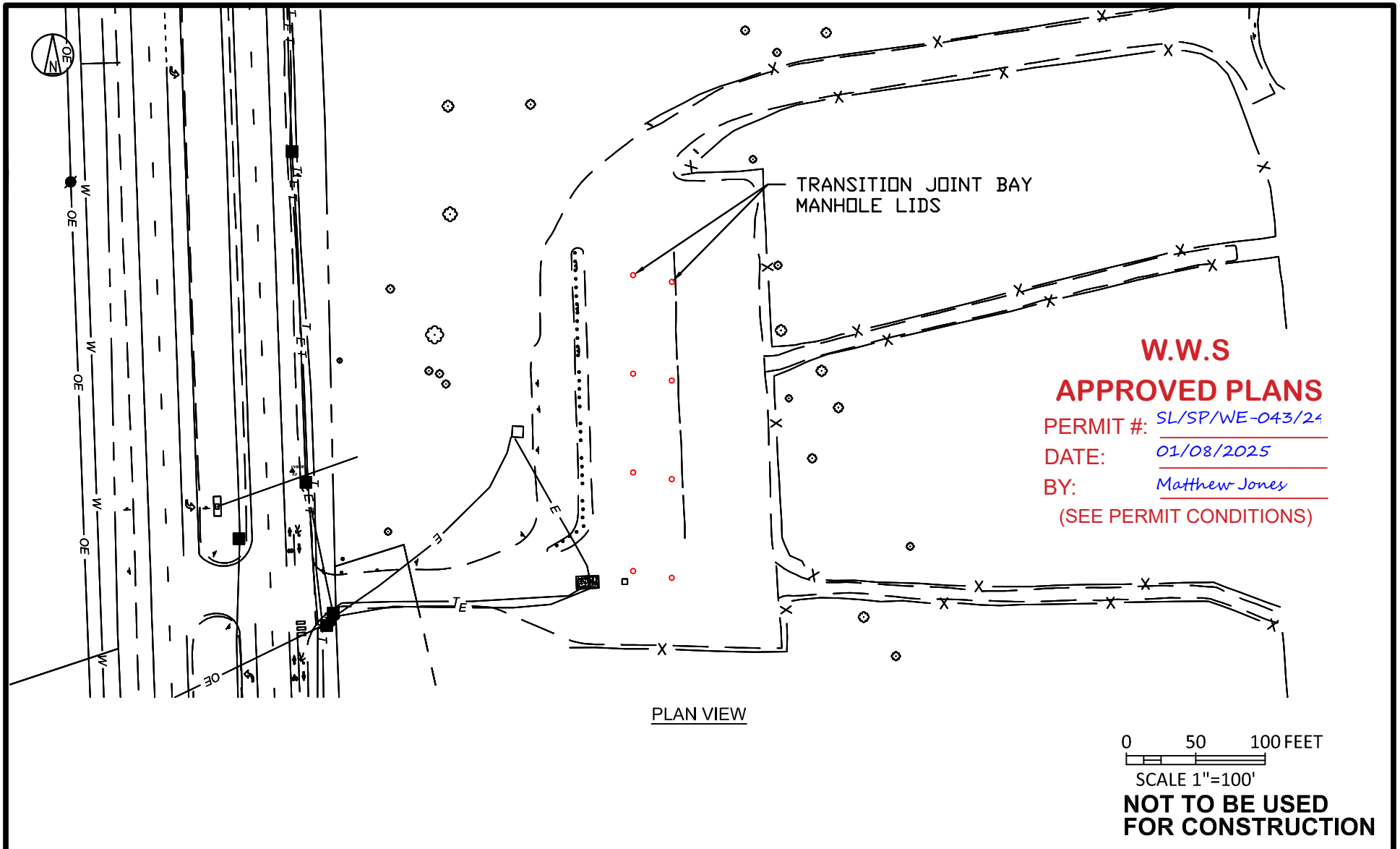
BY: Matthew Jones


(SEE PERMIT CONDITIONS)

# **East Landing – 3 R's Parking Lot**

## **Permanent Disturbance**

### **(Manhole Lids Only)**



								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
1	03/25/24	ISSUED FOR PERMITTING	SLH	DJ	RW			NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
<div> <b>BLACK &amp; VEATCH</b> Building a world of difference®</div>			US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT DRAWING NUMBER 410735 - 034			REV 1		
DESIGNER DJ		DRAWN SLH		3R'S PARKING LOT PERMANENT DISTURBANCE AREA							CODE				
CHECKED RW		DATE 10/13/23									AREA				

W.W.S

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

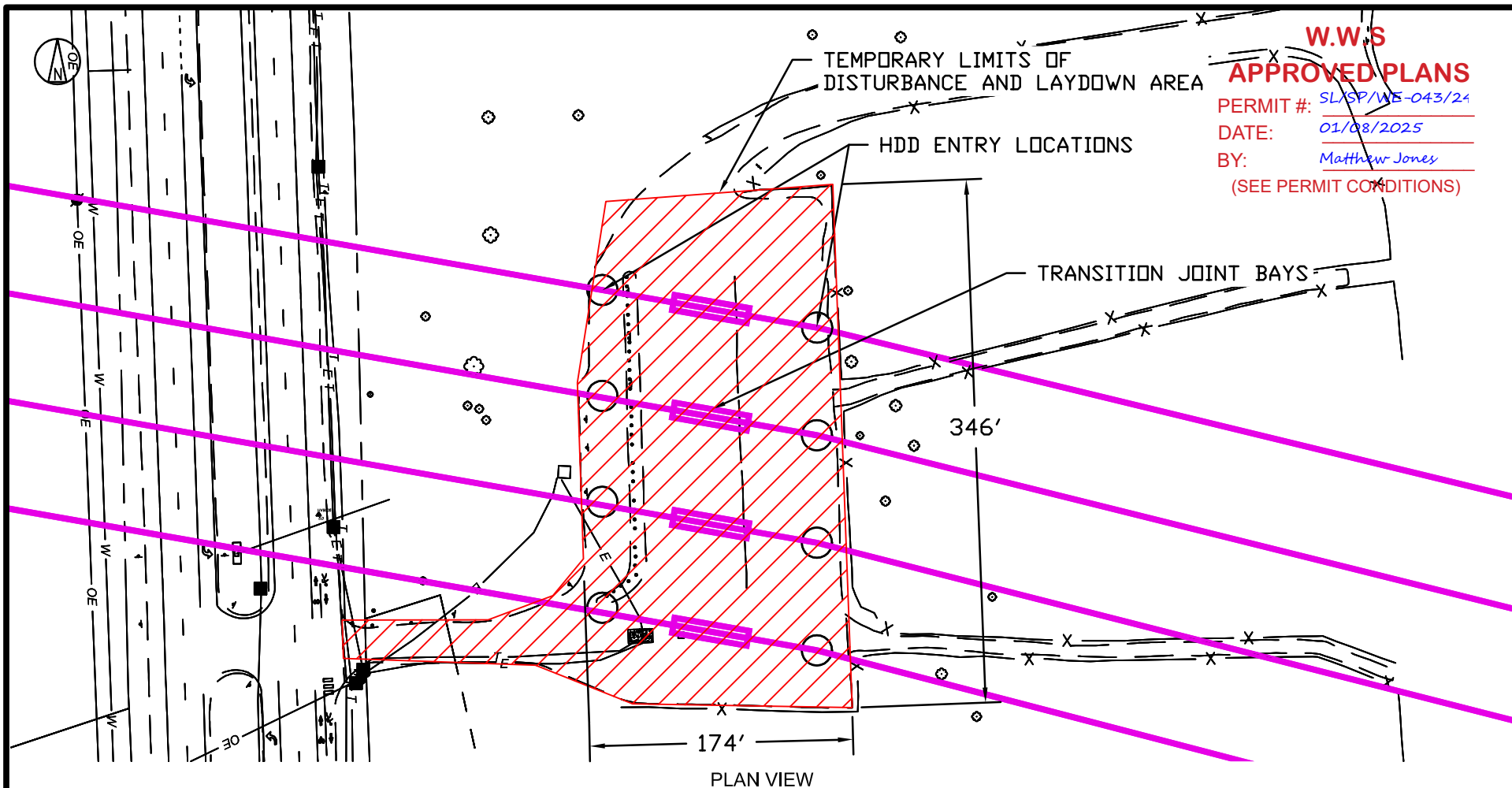
DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# East Landing – 3 R's Parking Lot

## Temporary Disturbance During Installation




**W.W.S**  
**APPROVED PLANS**  
 PERMIT #: SL/SP/WE-043/24  
 DATE: 01/08/2025  
 BY: Matthew Jones  
 (SEE PERMIT CONDITIONS)

**NOTE:**

1. Temporary disturbance within limits of parking area (no additional surface disturbance).

0 50 100 FEET  
 SCALE 1"=100'

**NOT TO BE USED  
 FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW			
1	03/25/24	ISSUED FOR PERMITTING	SLH	DJ	RW			NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP	
<div><div></div><div><b>BLACK &amp; VEATCH</b> Building a world of difference®</div></div>			US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT DRAWING NUMBER 410735 - 035				REV 1		
DESIGNER DJ		DRAWN SLH		3R'S PARKING LOT TEMPORARY DISTURBANCE AREA							CODE					
CHECKED RW		DATE 10/13/23									AREA					

**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# **West Landing – Vicinity Of Substations Permanent Disturbance (Manhole Lids Only)**



W.W.S

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

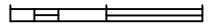
TRANSITION JOINT BAY  
MANHOLE LIDS

EXISTING  
TRANSMISSION TOWERS

EXISTING DPL  
TRANSMISSION ROW

PLAN VIEW

0 50 100 FEET



SCALE 1"=100'

**NOT TO BE USED  
FOR CONSTRUCTION**

								0	02/09/24	ISSUED FOR PERMITTING	SLH	DJ	RW		
1	03/25/24	ISSUED FOR PERMITTING	SLH	DJ	RW			NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP



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**US WIND**  
INDIAN RIVER BAY - EXPORT CABLES

PROJECT DRAWING NUMBER  
410735 - 036

REV  
1

DESIGNER	DJ	DRAWN	SLH
CHECKED	RW	DATE	10/13/23

WEST LANDING  
PERMANENT DISTURBANCE AREA

CODE  
AREA

**W.W.S**

**APPROVED PLANS**

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

# **West Landing – Vicinity of Substations Temporary Disturbance During Installation**





W.W.S

# APPROVED PLANS

PERMIT #: SL/SP/WE-043/24

DATE: 01/08/2025

BY: Matthew Jones

(SEE PERMIT CONDITIONS)

EXISTING  
TRANSMISSION TOWERS

HDD ENTRY LOCATIONS

250'

TRANSITION JOINT BAYS

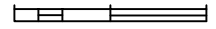
250'

EXISTING DPL  
TRANSMISSION ROW

TEMPORARY LIMITS OF DISTURBANCE  
AND LAYDOWN AREA


PLAN VIEW

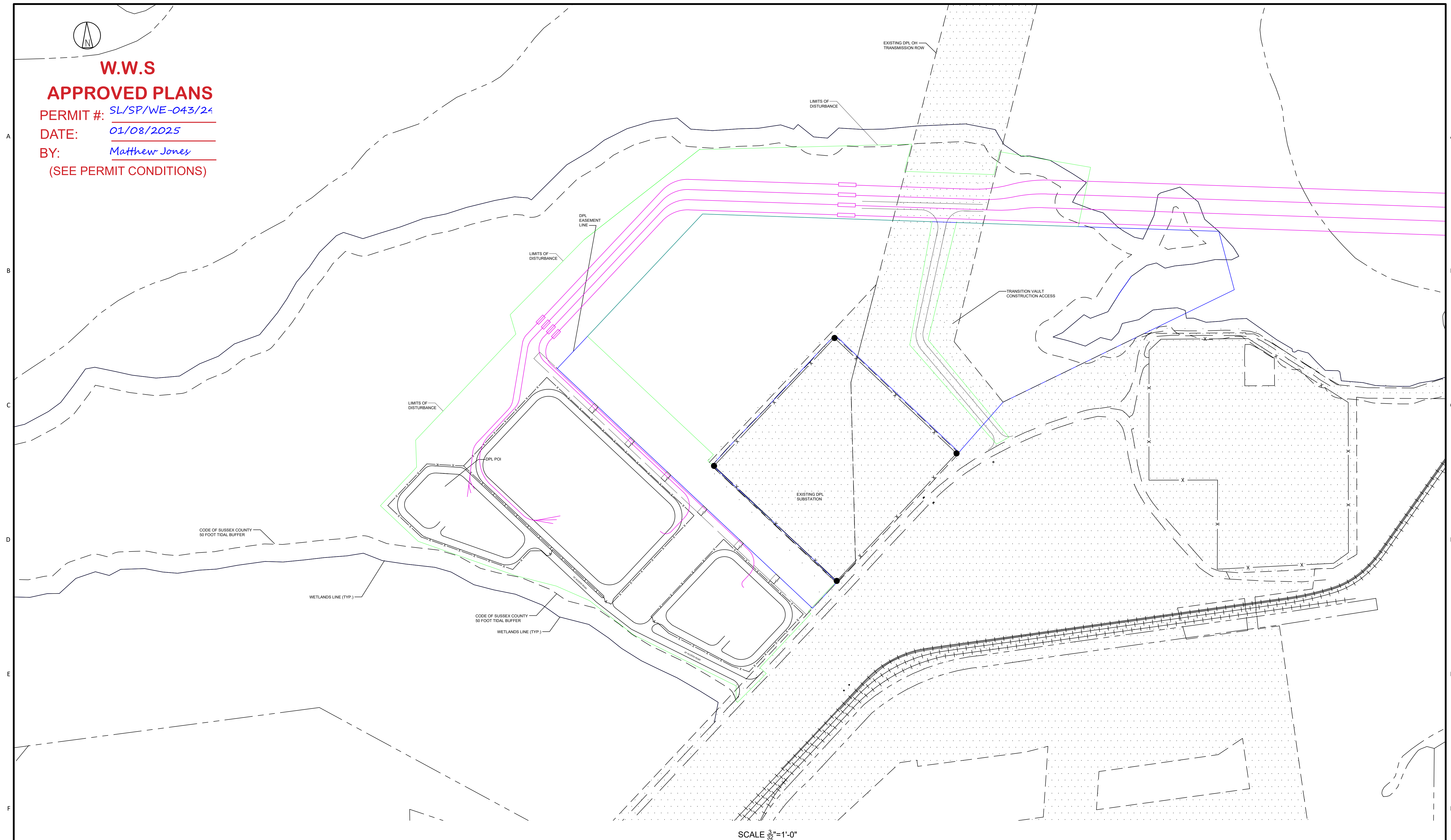
0 50 100 FEET



SCALE 1"=100'


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								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 <b>BLACK &amp; VEATCH</b> Building a world of difference®			US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT 410735 - 037				DRAWING NUMBER		REV 1
DESIGNER DJ		DRAWN SLH		WEST LANDING TEMPORARY DISTURBANCE AREA						CODE					
CHECKED RW		DATE 10/13/23								AREA					



SCALE  $\frac{3}{32}"=1'-0"$

**NOT TO BE USED  
FOR CONSTRUCTION**

										I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF (State Name Here)										 <b>BLACK &amp; VEATCH</b> Building a world of difference®										US WIND MARYLAND OFFSHORE WIND PROJECT										PROJECT DRAWING NUMBER <b>410735-GA-0008</b>										REV <b>B</b>									
										SIGNED _____ Name Here										DESIGNER CMG DRAWN TOW										ONSHORE SUBSTATIONS ULTIMATE SITE PLAN										CODE																			
										DATE _____ REG NO. _____ No. Here										CHECKED AFM DATE 11/21/2023																				AREA																			
										DRN DES CHK PDE APP																																																	
										NO DATE REVISIONS AND RECORD OF ISSUE																																																	
										A 12/14/23 ISSUED FOR PRELIMINARY US WIND REVIEW																																																	
										B 1/17/24 ISSUED FOR PRELIMINARY US WIND REVIEW										TOWCMG - - -																																							