

PUBLIC NOTICE

REQUEST FOR PERMISSION TO ALTER U.S. ARMY CORPS OF ENGINEERS PROJECTS UNDER SECTION 408

TITLE: U.S. Wind, Inc. – Maryland Offshore Wind Turbine Farm Project – Sussex County, Delaware and Worcester County, Maryland

PUBLIC NOTICE IDENTIFICATION NUMBER: NAP-2023-00408-05

PUBLIC NOTICE COMMENT PERIOD:

Begins: **30 November 2023**

Expires: **30 December 2023**

Interested parties are hereby notified that an application has been received for a Department of the Army Section 408 permission for certain work at or near a federal project of the United States, as described below and shown on attached figures. Written comments are being solicited from anyone having an interest in the requested alteration. Comments will become part of the U.S. Army Corps of Engineers' (USACE's) administrative record and will be considered in determining whether to approve the request. Comments supporting, opposing, or identifying concerns that should be considered by the USACE in its decision process are all welcome.

This public notice is not a paid advertisement and is for public information only. Issuance of this notice does not imply USACE endorsement of the project as described.

1. REQUESTOR: In compliance with 33 USC 408 (Section 14 of the Rivers and Harbors Act of 1899; hereinafter Section 408), U.S. Wind, Inc. has requested permission to construct the Maryland Offshore Wind Energy Generation Project pursuant to Bureau of Ocean Energy Management (BOEM) requirements for Lease Area OCS-A 0490.

2. LOCATION: The proposed offshore wind turbine energy generation farm is located in the Atlantic Ocean, approximately 11.5-miles off the coast of Ocean City, Worcester County, Maryland. Electric utility cable routes from the offshore wind turbine farm, as well as substations and grid connections, are proposed to be sited within Sussex County, Delaware. An Operations and Maintenance (O&M) facility is proposed to be located in West Ocean City, Worcester County, Maryland.

The proposed project would occupy/alter or have the potential to occupy/alter the following Federal Civil Works Projects sited along the Atlantic Ocean coastline and back bay areas:

- A) Offshore Federal Civil Works Sand Resource/Borrow Areas.
- B) Delaware Coast from Cape Henlopen to Fenwick Island, Bethany Beach/South Bethany, Delaware Federal Flood & Coastal Storm Risk Management Civil Works Project.
- C) Delaware Coast from Cape Henlopen to Fenwick Island, Rehoboth Beach/Dewey Beach, Delaware Federal Flood & Coastal Storm Risk Management Civil Works Project.
- D) Indian River Inlet & Bay Federal Navigation Channel.
- E) Inland Waterway from Rehoboth Bay to Delaware Bay Federal Navigation Channel (also known as the "L&R Canal").
- F) Ocean City Harbor and Inlet Federal Navigation Channel.

3. LOCATION MAP(S)/DRAWING(S): Please see attached Project Plan Sheets 1 through 139.

4. REQUESTER'S PROPOSED ACTION: Construct the Maryland Offshore Wind Energy Generation Project pursuant to BOEM requirements for Lease Area OCS-A 0490. The subject project would occupy/alter the following Federal Civil Works Projects as follows:

- A) Offshore Federal Civil Works Sand Resource/Borrow Areas – Offshore export cable crossings of sand resource/borrow areas and/or buffer areas via hydro plow or jet plow installation.
- B) Delaware Coast from Cape Henlopen to Fenwick Island, Bethany Beach/South Bethany, Delaware Federal Flood & Coastal Storm Risk Management Civil Works Project – Offshore export cable landfall crossing beneath Federal project via the Horizontal Directional Drilling (HDD) method.
- C) Delaware Coast from Cape Henlopen to Fenwick Island, Rehoboth Beach/Dewey Beach, Delaware Federal Flood & Coastal Storm Risk Management Civil Works Project – Offshore export cable landfall crossing beneath Federal project via the HDD method.
- D) Indian River Inlet & Bay Federal Navigation Channel – Onshore export cable crossing beneath Federal Navigation Channel via the HDD method and/or trenching/dredging method.
- E) Inland Waterway from Rehoboth Bay to Delaware Bay Federal Navigation Channel (also known as the "L&R Canal") - Onshore export cable crossing beneath Federal Navigation Channel via the HDD method.
- F) Ocean City Harbor and Inlet Federal Navigation Channel - Proposed O&M facility to be sited along the existing waterfront with proposed wharf renovations. Based on the authorized alignment of the Federal Navigation Channel's turning basin, any proposed action involving renovations to the existing wharf may occupy/alter the Federal Navigation Channel.

5. REGULATORY AUTHORITY: This request will be reviewed according to the provisions of Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. 408). A requestor has the responsibility to acquire all other permissions or authorizations required by federal, state, and local laws or regulations, including any required permits from the USACE Regulatory Program under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403), Section 404 of the Clean Water Act (33 USC Section 1344) and/or Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 USC 1413). Any Section 10/404/103 permit decision associated with the proposed alteration is separate from and will not be included in the Section 408 permission decision. An approval under Section 408 does not grant any property rights or exclusive privileges nor does it authorize any injury to the property or rights of others.

6. ENVIRONMENTAL COMPLIANCE: A decision on a Section 408 request is a federal action, and therefore subject to the National Environmental Policy Act (NEPA) and other environmental compliance requirements. While ensuring compliance is the responsibility of USACE, the requester is providing all information that the Philadelphia District identifies as necessary to satisfy all applicable federal laws, executive orders, regulations, policies, and ordinances. Based on information provided by the applicant to date, current Corps regulations governing NEPA implementation, and/or the contents of existing NEPA documentation if available, it is likely that the proposed action will be determined to be categorically excluded from the need to prepare an Environmental Assessment (EA) or Environmental Impact Statement (EIS). This determination will be finalized following completion of agency coordination and prior to issuance of the Section 408 Permission Decision.

7. EVALUATION: As part of its evaluation, USACE will first make a determination that the submittal from the requestor is complete. The Philadelphia District is working closely with the requestor to ensure that all required technical plans, maps, drawings, and specifications are provided and are complete. Once the package is complete, a District-led review will be conducted to determine, in accordance with Engineering Circular (EC) 1165-2-216, whether the proposed alteration will impair the usefulness of the USACE Project or be injurious to the public interest, as follows:

- A. *Impair the Usefulness of the Project Determination.* The Philadelphia District's Section 408 review team will determine if the proposed alteration will limit the ability of the federally authorized project to function as authorized, or will compromise or change any authorized project conditions, purposes or outputs.
- B. *Injurious to the Public Interest Determination.* Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Evaluation of the probable impacts that the proposed alteration to the USACE project may have on the public interest requires a careful weighing of all those factors that are relevant in each particular case. Factors that may be relevant to the public interest depend upon the type of USACE project being altered and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages, navigation, shore erosion or accretion, and recreation. The decision whether to

approve an alteration will be determined by the consideration of whether benefits are commensurate with risks. If the potential detriments are found to outweigh the potential benefits, then it may be determined that the proposed alteration is injurious to the public interest.

8. SOLICITATION OF COMMENTS: The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by USACE to determine whether to issue, modify, condition, or deny a permission for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are considered in making a final determination whether the proposed action will be categorically excluded from the need to prepare further NEPA documentation. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

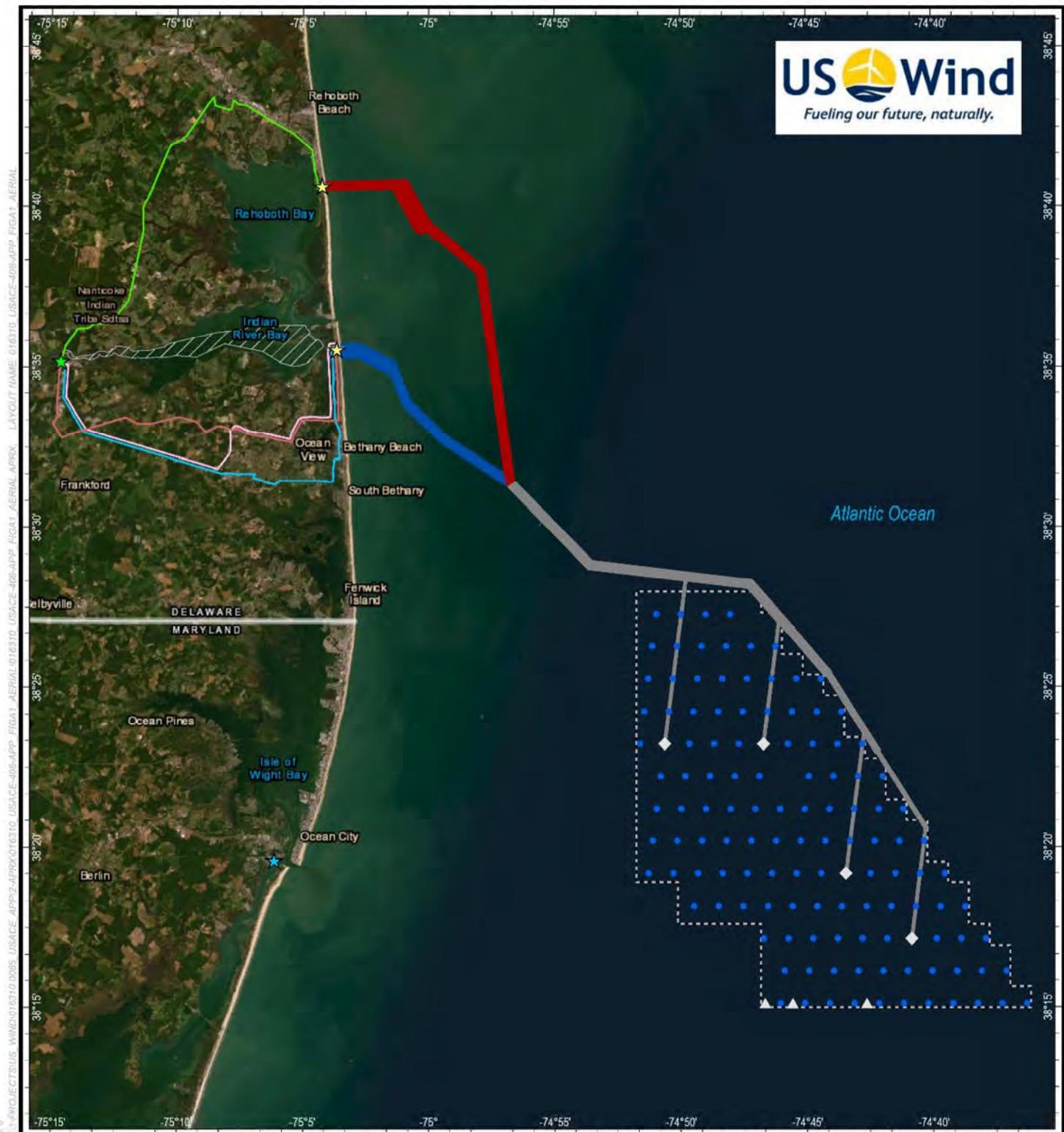
- A. It should be noted that materials submitted as part of the Section 408 request become part of the public record and are thus available to the general public under the procedures of the Freedom of Information Act (FOIA). Individuals may submit a written request to the Philadelphia District Corps of Engineers, Office of Counsel to obtain copies of said materials under the FOIA.
- B. It is presumed that all parties viewing this notice will wish to respond to this public notice; therefore, a lack of response will be interpreted as meaning that there is no objection to the project as described.

9. COMMENT SUBMISSION AND ADDITIONAL INFORMATION: Written comments on the described work should reference the USACE Public Notice Identification Number found on the first page of this notice. Comments must reach this office no later than the stated expiration date of the Public Notice to become part of the record and be considered in the decision. Comments or requests for additional information should be emailed or mailed to the following address:

Email: Bishel.Baby@usace.army.mil

Mailing Address:

U.S. Army Corps of Engineers
Philadelphia District
Attn: Bishel B. Baby
1650 Arch Street, 7th Floor
Philadelphia, PA 19103-2004



US WIND LEASE AREA

POTENTIAL MET TOWER LOCATIONS

OFFSHORE SUBSTATION LOCATIONS

WIND TURBINE GENERATOR LOCATIONS

ONSHORE EXPORT CABLE CORRIDOR 1

ONSHORE EXPORT CABLE CORRIDOR 2

OFFSHORE EXPORT CABLE COMMON CORRIDOR

OFFSHORE EXPORT CABLE CORRIDOR 1

OFFSHORE EXPORT CABLE CORRIDOR 2

ONSHORE EXPORT CABLE CORRIDOR 1A

ONSHORE EXPORT CABLE CORRIDOR 1B

ONSHORE EXPORT CABLE CORRIDOR 1C

MILES
1:320,400 1° = 26,700'

POINT OF INTERCONNECT

LANDFALL

LOCATION OF OPERATIONS AND MAINTENANCE FACILITY

BASE MAP: ESRI, WORLD IMAGERY, 2021

DATA SOURCES: US WIND 2021/2022, BOEM LEASE AREA 2018

PROJECT:
US WIND, INC.
SUSSEX COUNTY, DELAWARE

TITLE:
PROJECT LOCATION

DRAWN BY: K. BACHAND PROJ. NO.: 016310.0085.0000

CHECKED BY: I. MOHAMMADI-HALL

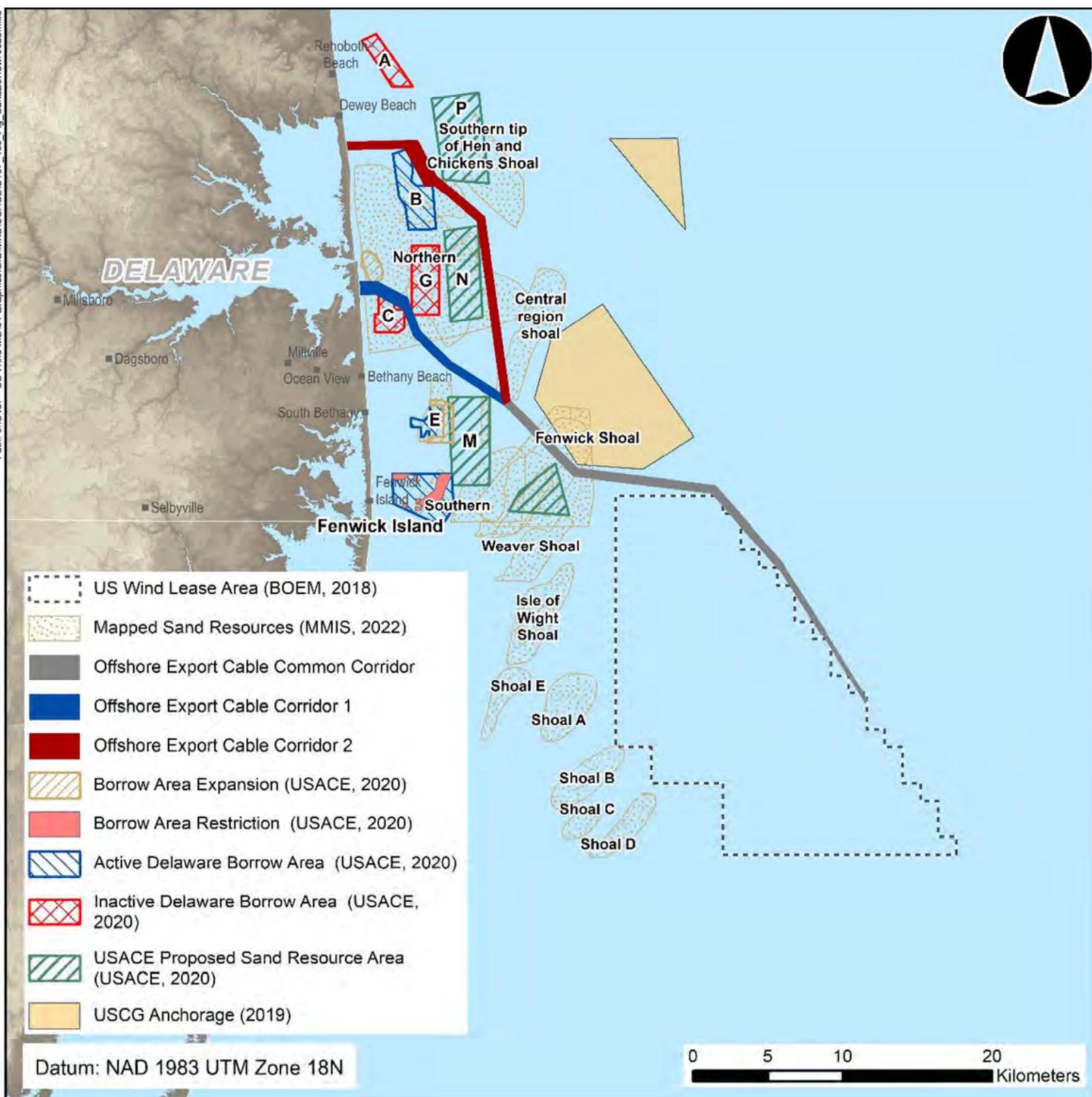
APPROVED BY: C. MARTIN

DATE: AUGUST 2023

FIGURE A.1-2

650 SUFFOLK STREET
SUITE 200
LOWELL, MA 01854
PHONE: 978.870.5600

FILE: 016310.USACSE-408-APP FIGA1_AERIAL





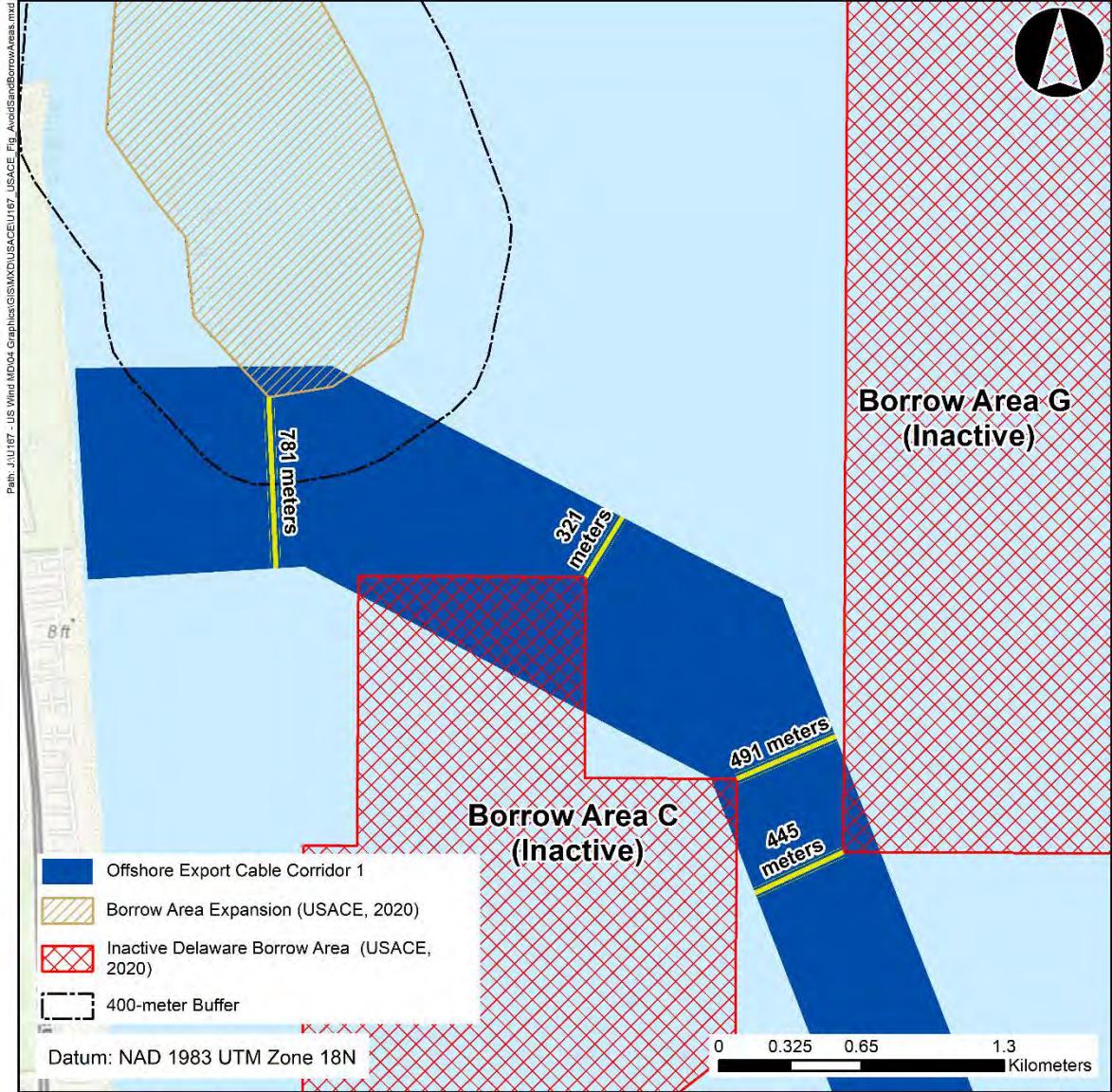
Fenwick Shoal
(Delaware portion)

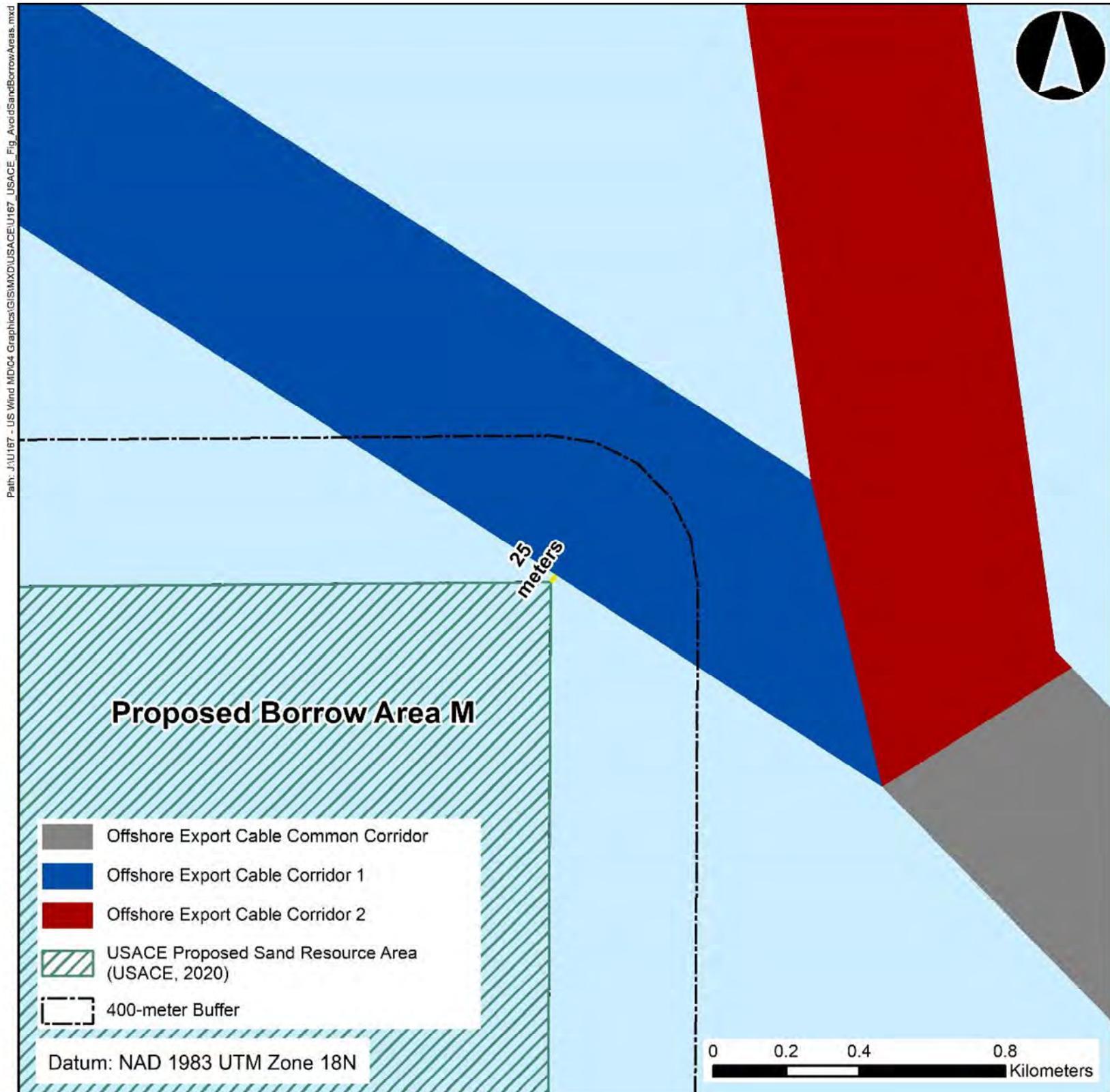
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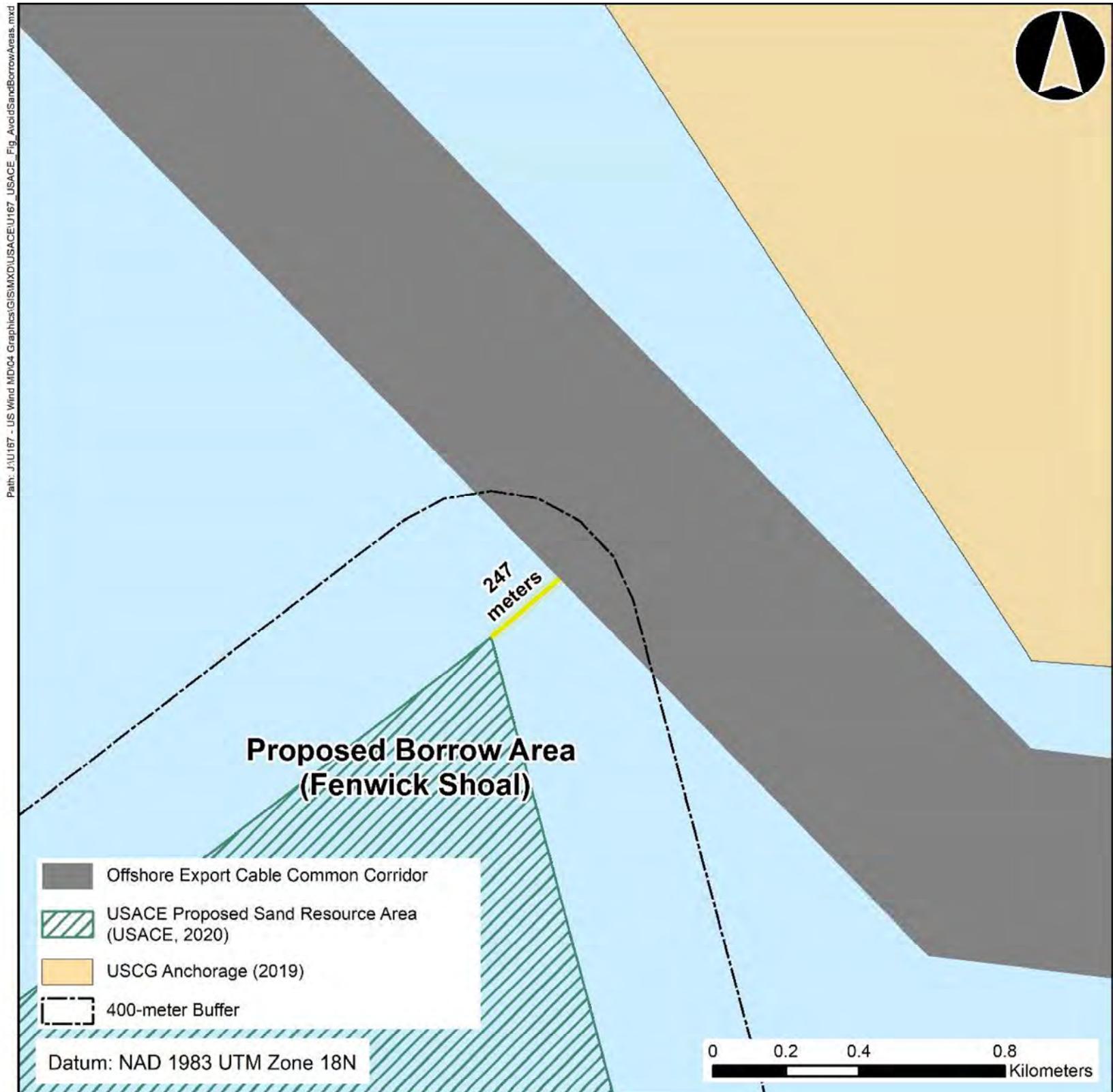
- US Wind Lease Area (BOEM, 2018)
- Offshore Export Cable Common Corridor
- Offshore Export Cable Corridor 1
- Offshore Export Cable Corridor 2
- Mapped Sand Resources (MMIS, 2022)
- USACE Proposed Sand Resource Area (USACE, 2020)
- USCG Anchorage (2019)

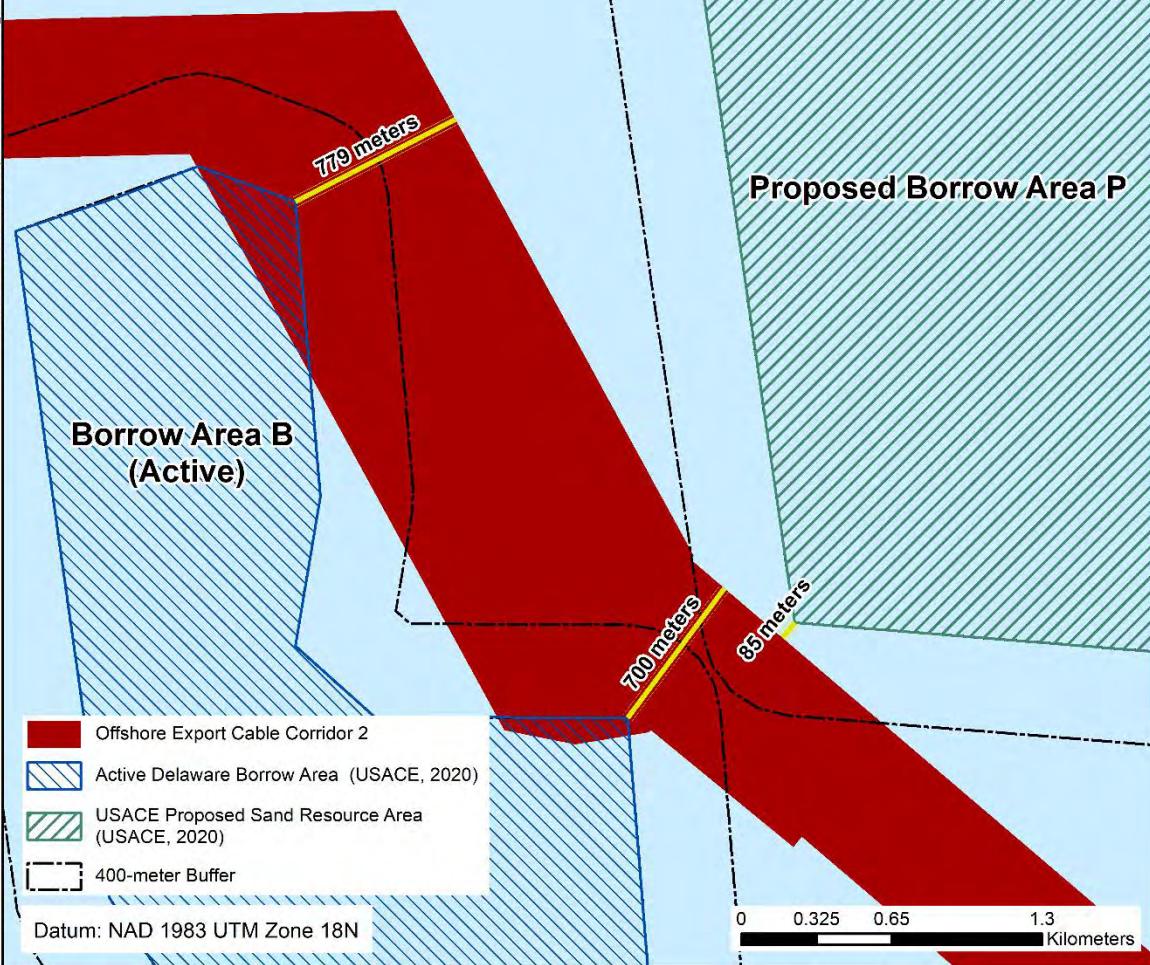
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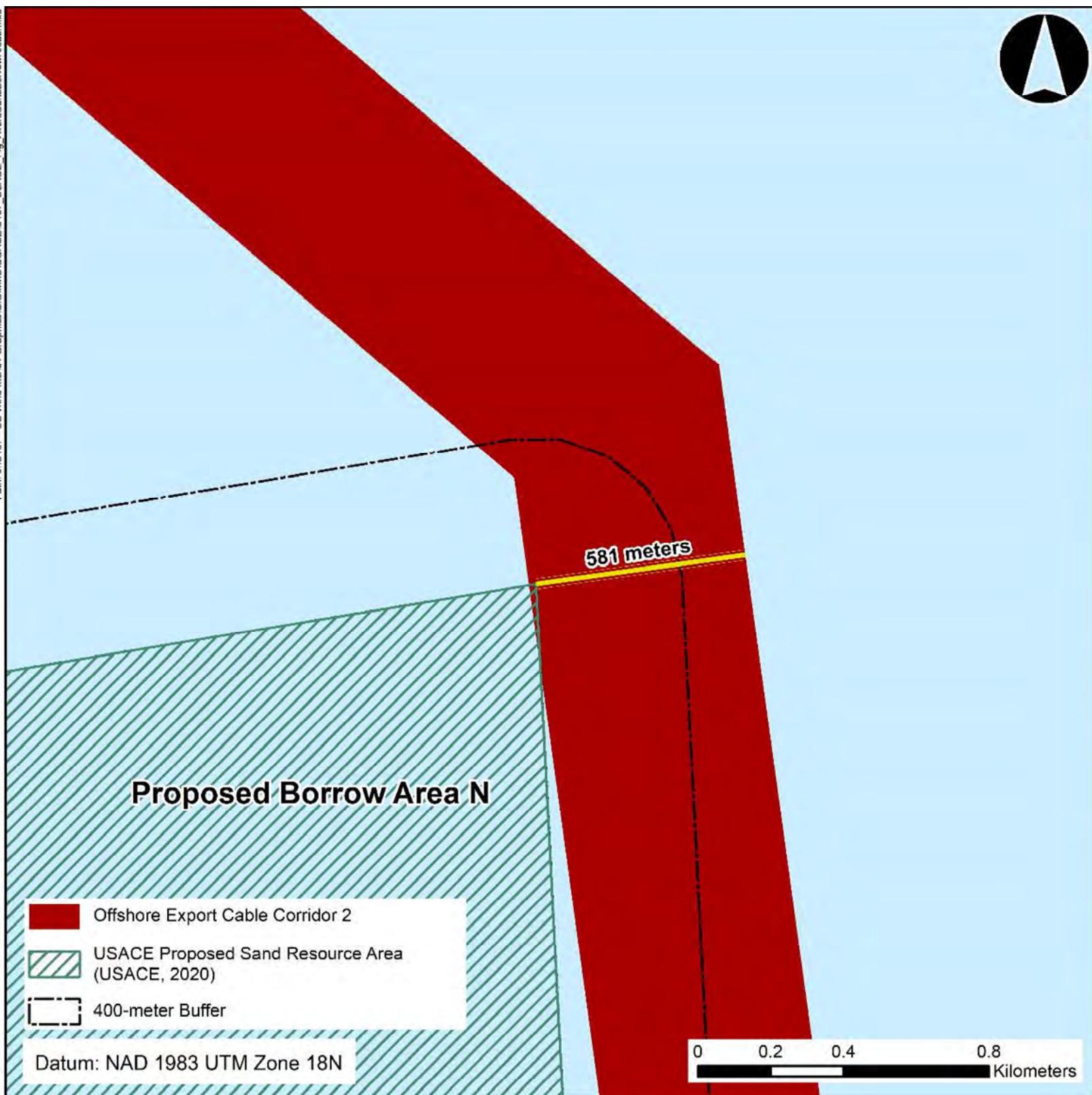
0 0.75 1.5 3 Kilometers





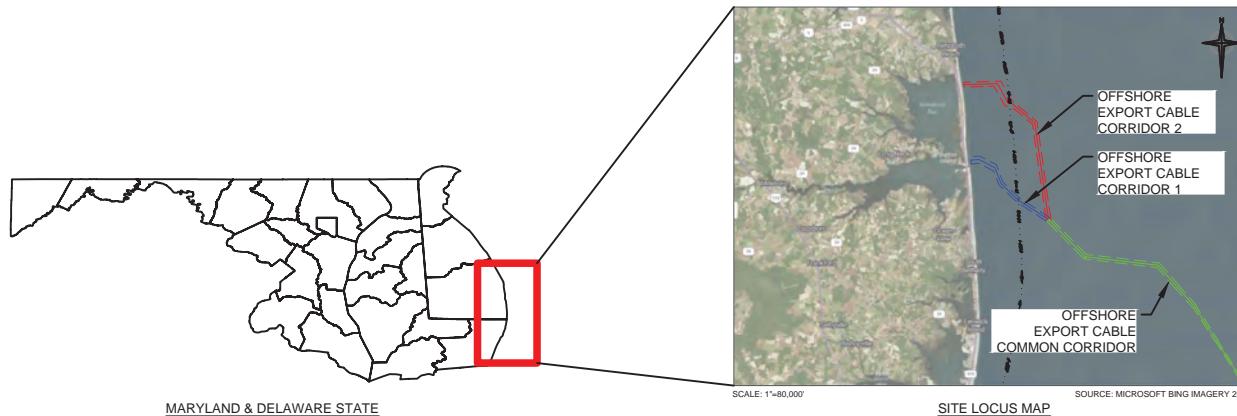






MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE CORRIDORS PLAN & PROFILE DRAWINGS

PREPARED FOR:
US WIND, INC
OFFSHORE MARYLAND AND DELAWARE



PREPARED BY:

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

Drawing Index	
DRAWING NUMBER	SHEET TITLE
--	COVER SHEET
N-01	GENERAL NOTES
VM-01	VICINITY MAP
C-01	PLAN & PROFILE 0+00.00 - 37+00.00
C-02	PLAN & PROFILE 37+00.00 - 74+00.00
C-03	PLAN & PROFILE 74+00.00 - 111+00.00
C-04	PLAN & PROFILE 111+00.00 - 148+00.00
C-05	PLAN & PROFILE 148+00.00 - 185+00.00
C-06	PLAN & PROFILE 185+00.00 - 222+00.00
C-07	PLAN & PROFILE 222+00.00 - 259+00.00
C-08	PLAN & PROFILE 259+00.00 - 296+00.00
C-09	PLAN & PROFILE 296+00.00 - 333+00.00
C-10	PLAN & PROFILE 333+00.00 - 370+00.00
C-11	PLAN & PROFILE 370+00.00 - 407+00.00
C-12	PLAN & PROFILE 407+00.00 - 444+00.00
C-13	PLAN & PROFILE 444+00.00 - 481+00.00
C-14	PLAN & PROFILE 481+00.00 - 518+00.00
C-15	PLAN & PROFILE 518+00.00 - 555+00.00
C-16	PLAN & PROFILE 555+00.00 - 592+00.00
C-17	PLAN & PROFILE 592+00.00 - 629+00.00
C-18	PLAN & PROFILE 629+00.00 - 666+00.00
C-19	PLAN & PROFILE 666+00.00 - 703+00.00
C-20	PLAN & PROFILE 703+00.00 - 740+00.00
C-21	PLAN & PROFILE 740+00.00 - 777+00.00
C-22	PLAN & PROFILE 777+00.00 - 814+00.00
C-23	PLAN & PROFILE 814+00.00 - 851+00.00
C-24	PLAN & PROFILE 851+00.00 - 889+00.00
C-25	PLAN & PROFILE 889+00.00 - 925+00.00
C-26	PLAN & PROFILE 925+00.00 - 962+00.00
C-27	PLAN & PROFILE 962+00.00 - 999+00.00
C-28	PLAN & PROFILE 999+00.00 - 1036+00.00

C-29	PLAN & PROFILE 1036+00.00 - 1073+00.00
C-30	PLAN & PROFILE 1073+00.00 - 1110+00.00
C-31	PLAN & PROFILE 1110+00.00 - 1147+00.00
C-32	PLAN & PROFILE 1147+00.00 - 1184+00.00
C-33	PLAN & PROFILE 1184+00.00 - 1221+00.00
C-34	PLAN & PROFILE 1221+00.00 - 1258+00.00
C-35	PLAN & PROFILE 1258+00.00 - 1295+00.00
C-36	PLAN & PROFILE 1295+00.00 - 1332+00.00
C-37	PLAN & PROFILE 1332+00.00 - 1369+00.00
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C-39	PLAN & PROFILE 1406+00.00 - 1443+00.00
C-40	PLAN & PROFILE 1443+00.00 - 1480+00.00
C-41	PLAN & PROFILE 1480+00.00 - 1526+99.85
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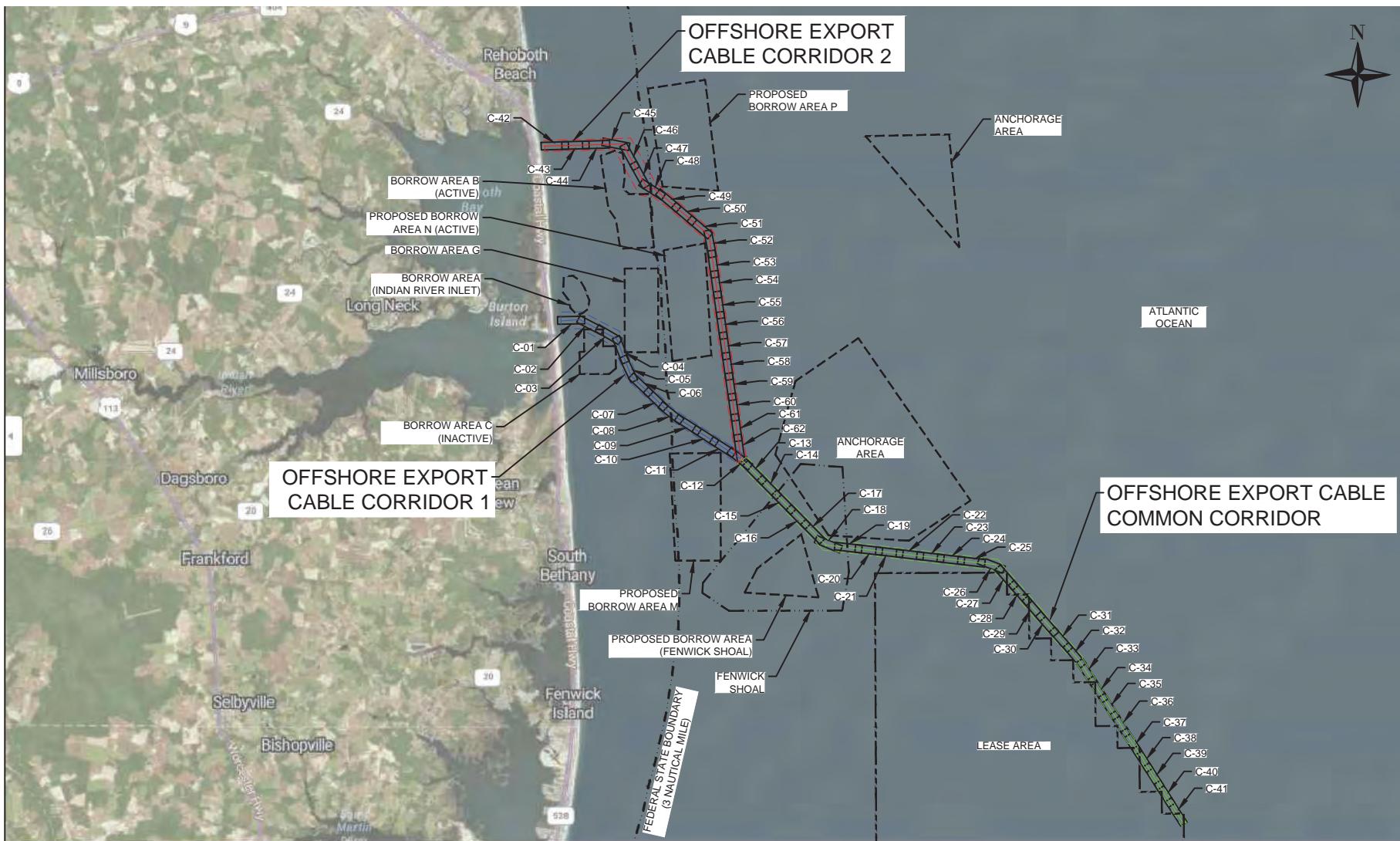
NOTES

1. FINAL ALIGNMENT AND BURIAL DEPTH OF THE EXPORT CABLES WILL BE DECIDED UPON COMPLETION OF THE NEPA REVIEW PROCESS FOLLOWING CONSULTATION WITH THE BUREAU OF OCEAN ENERGY MANAGEMENT AND OTHER PARTICIPATING AGENCIES. THE CABLES 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 CORRIDORS 1 AND 2 IS 600M (1,969 FT), THE EXTENTS OF WHICH ARE UNABLE TO SHOW ON ALL PLAN SETS. THE 600-M CORRIDORS ARE DEPICTED TO SCALE ON THE VICINITY MAP. EACH PLAN SHOWS CENTERLINE OF THE 600-M CORRIDORS, AND THE EXTENT OF THE CORRIDOR IS SHOWN ON SOME PLAN SETS.
3. US WIND WOULD MICRO-SITE EXPORT CABLES WITHIN 600-M OFFSHORE EXPORT CABLE CORRIDORS 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 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 SETS BEGIN AT APPROXIMATE HDD PUNCHOUT LOCATIONS. SEE APPENDIX [D] 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

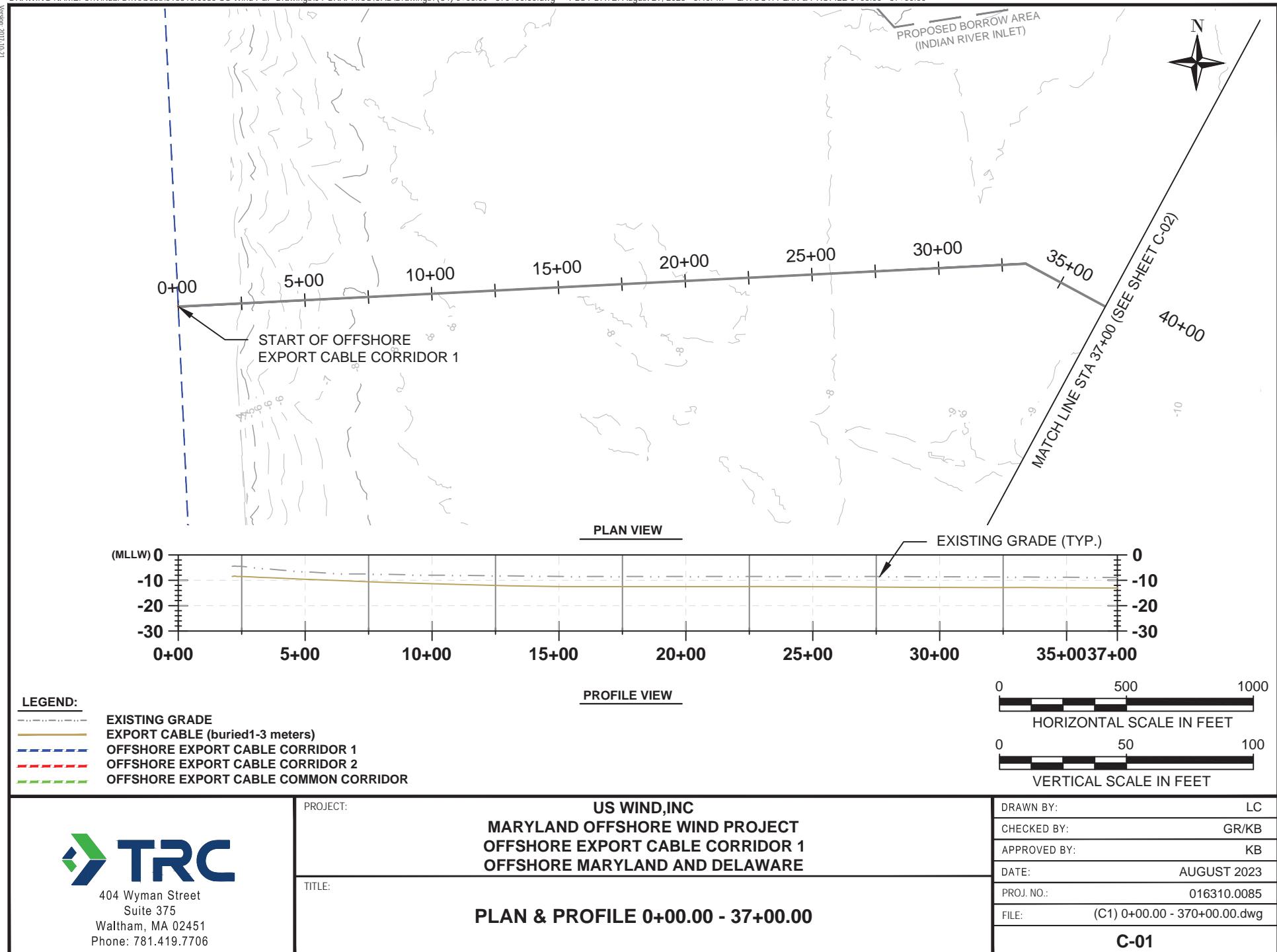
 404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706	PROJECT:	US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE MARYLAND AND DELAWARE	DRAWN BY: LC
	TITLE:	GENERAL NOTES	CHECKED BY: GR/KB
			APPROVED BY: KB
			DATE: AUGUST 2023
			PROJ. NO.: 016310.0085
			FILE: 0-00 COVER SHEET.dwg
			N-01

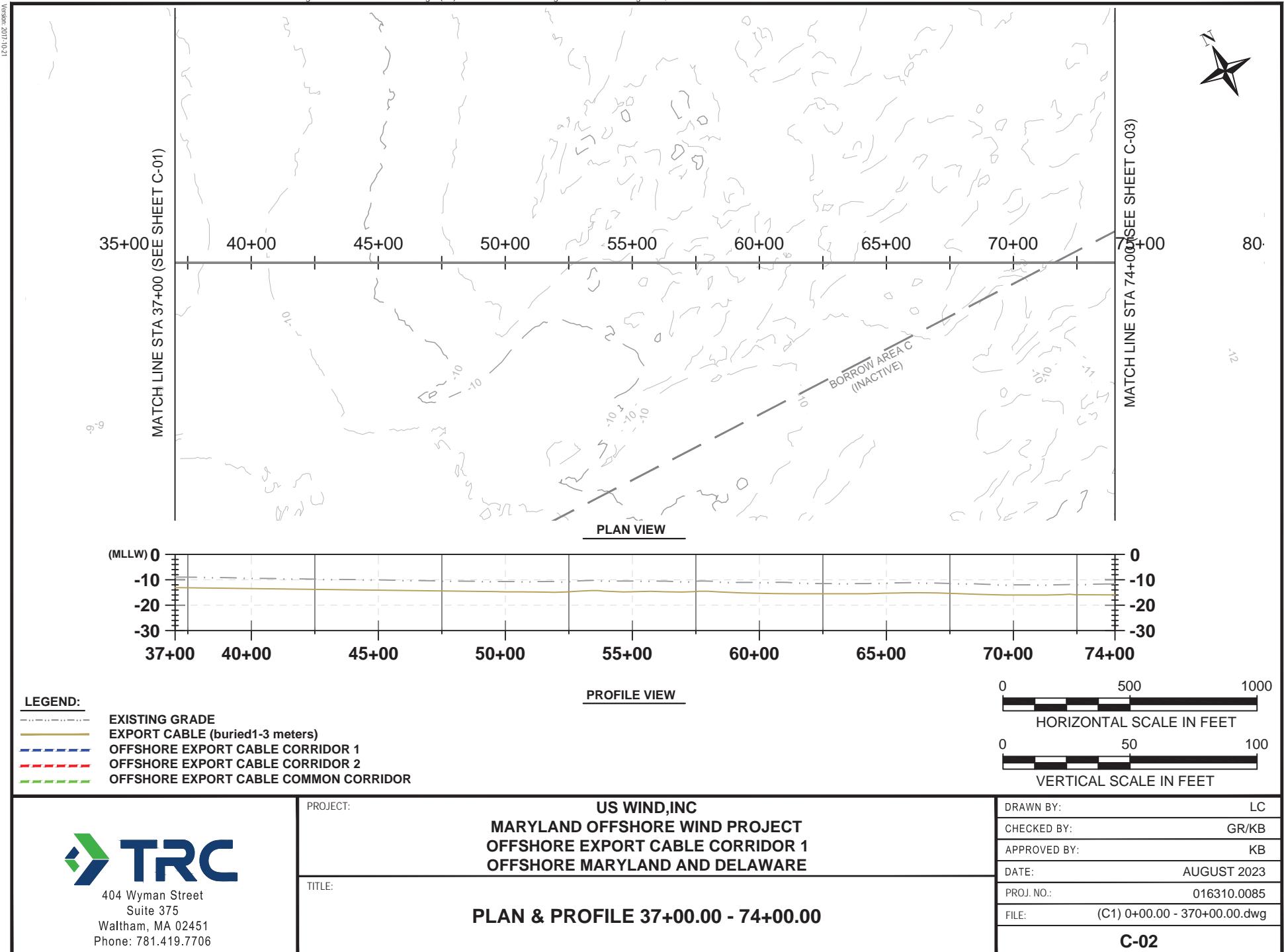


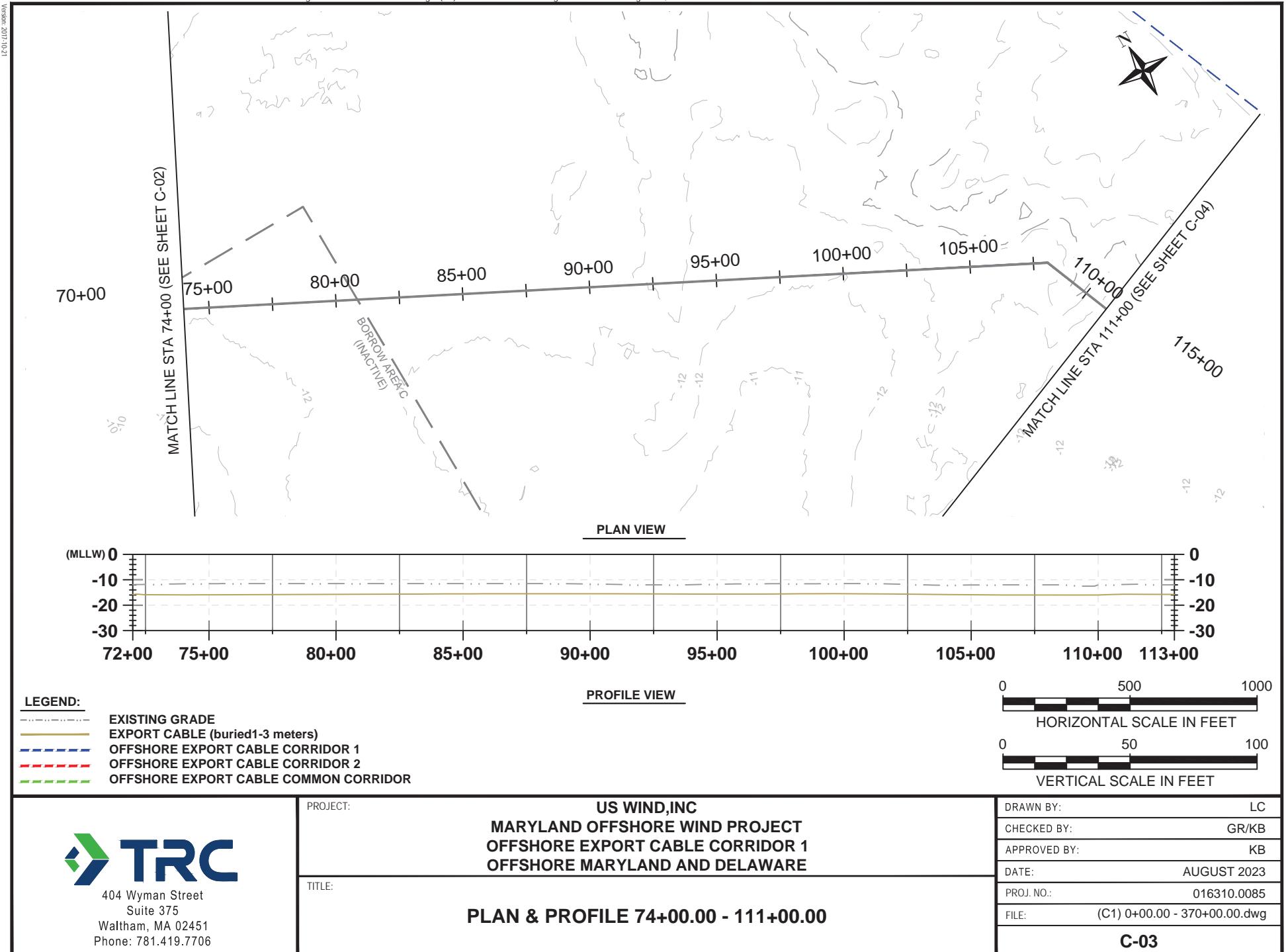
VICINITY MAP

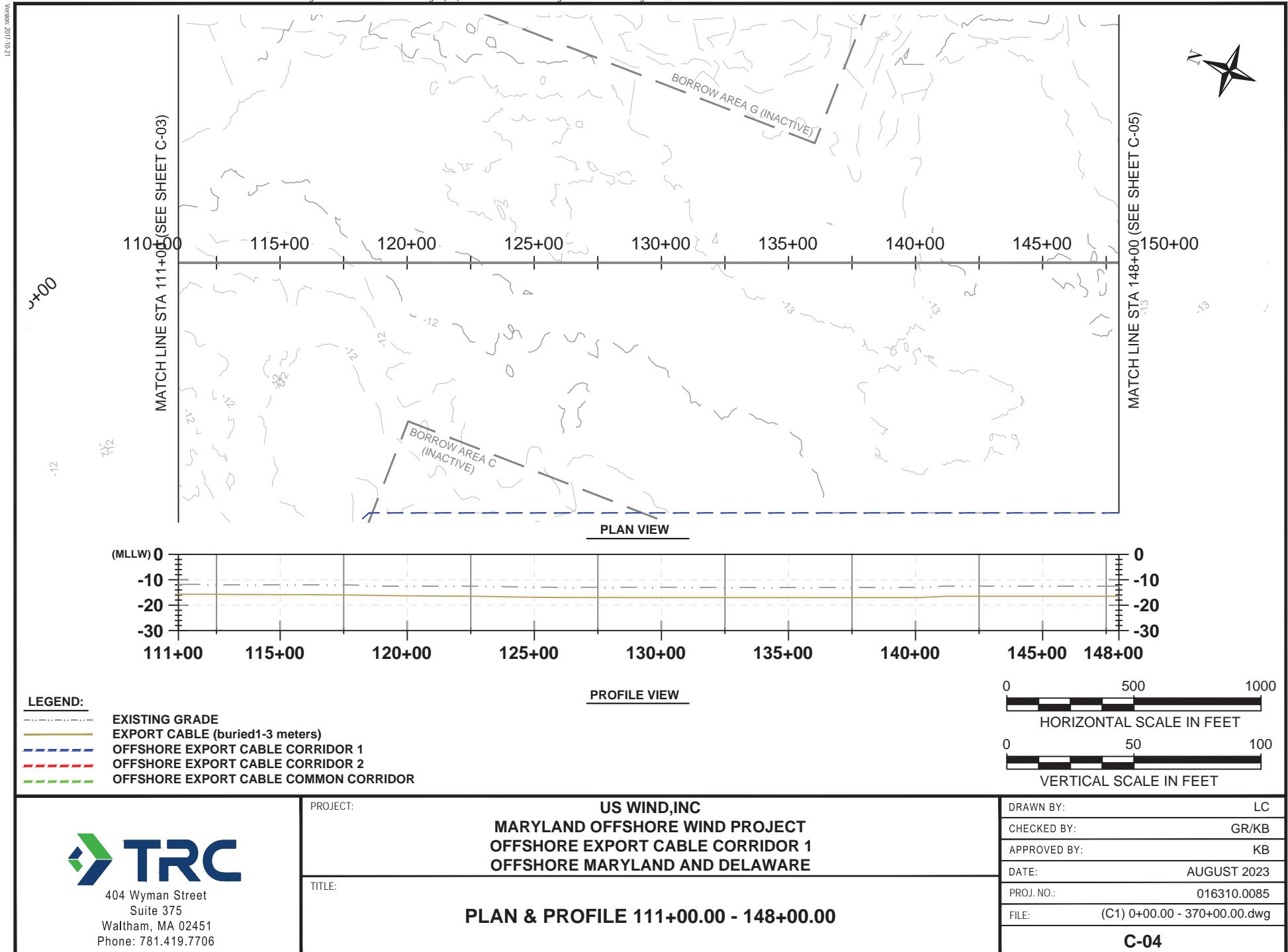
 <p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	PROJECT:	US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE MARYLAND AND DELAWARE	DRAWN BY:	LC
	TITLE:	VICINITY MAP	CHECKED BY:	GR/KB
			APPROVED BY:	KB
			DATE:	AUGUST 2023
			PROJ. NO.:	016310.0085
			FILE:	0-00 COVER SHEET.dwg
				VM-01

Version: 2017.0.21



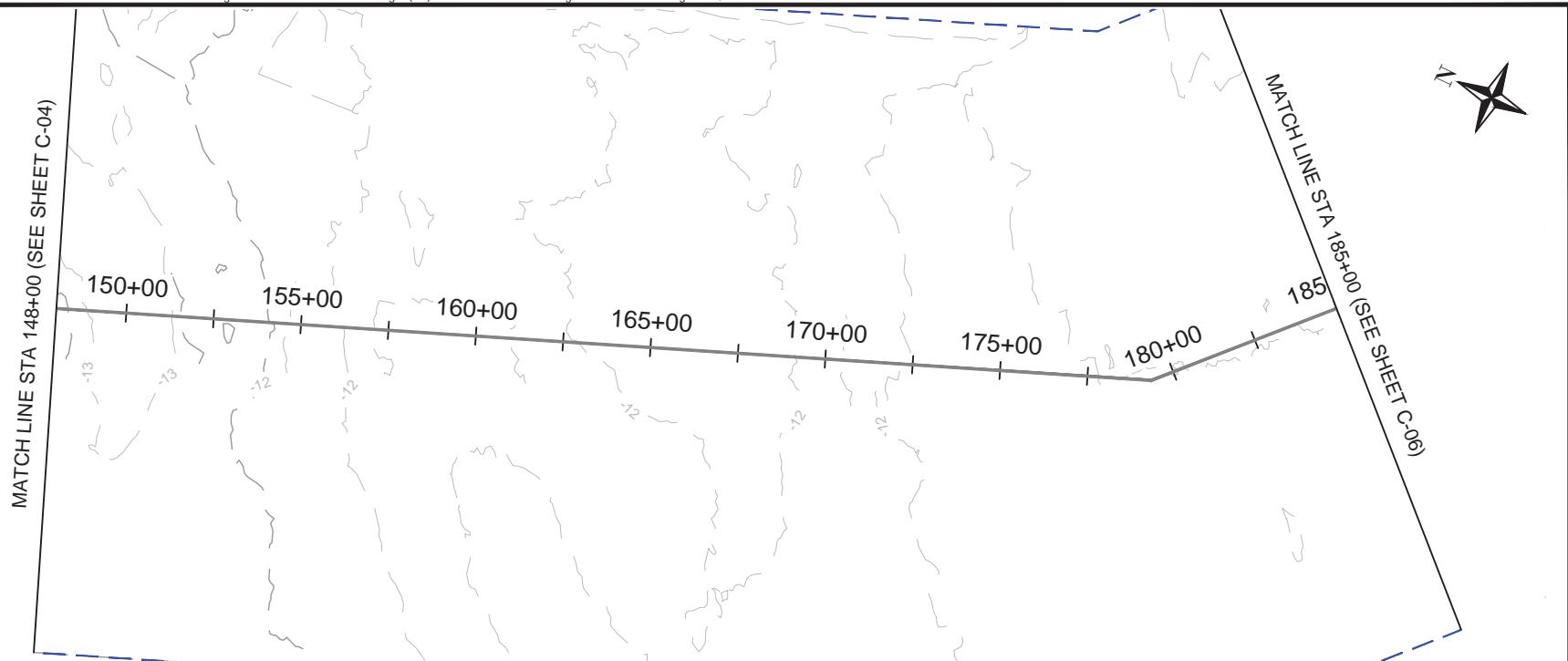




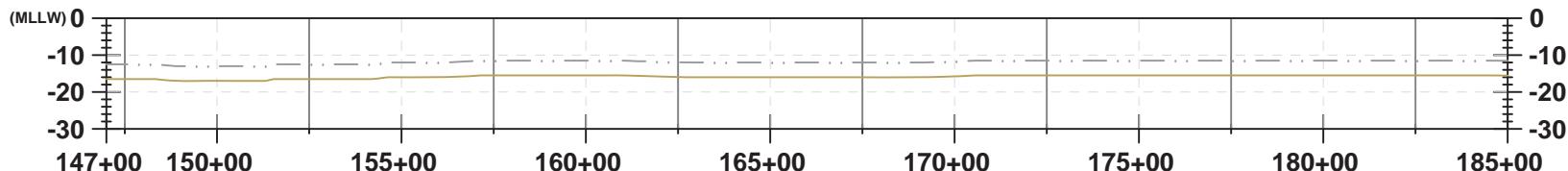


12/01/1102: JRCEN

MATCH LINE STA 148+00 (SEE SHEET C-04)



PLAN VIEW



PROFILE VIEW

LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

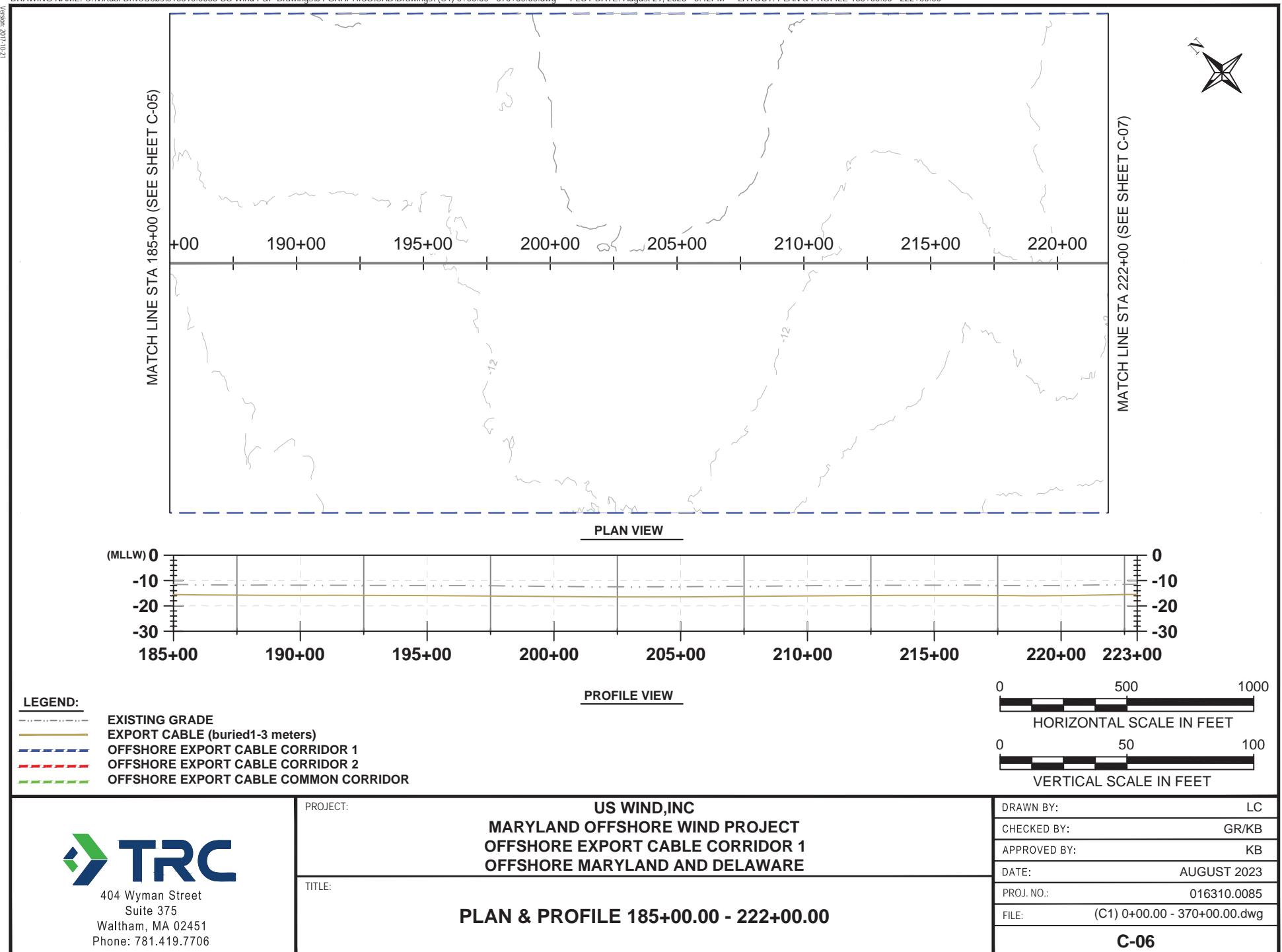
PROJECT:

US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 1
OFFSHORE MARYLAND AND DELAWARE

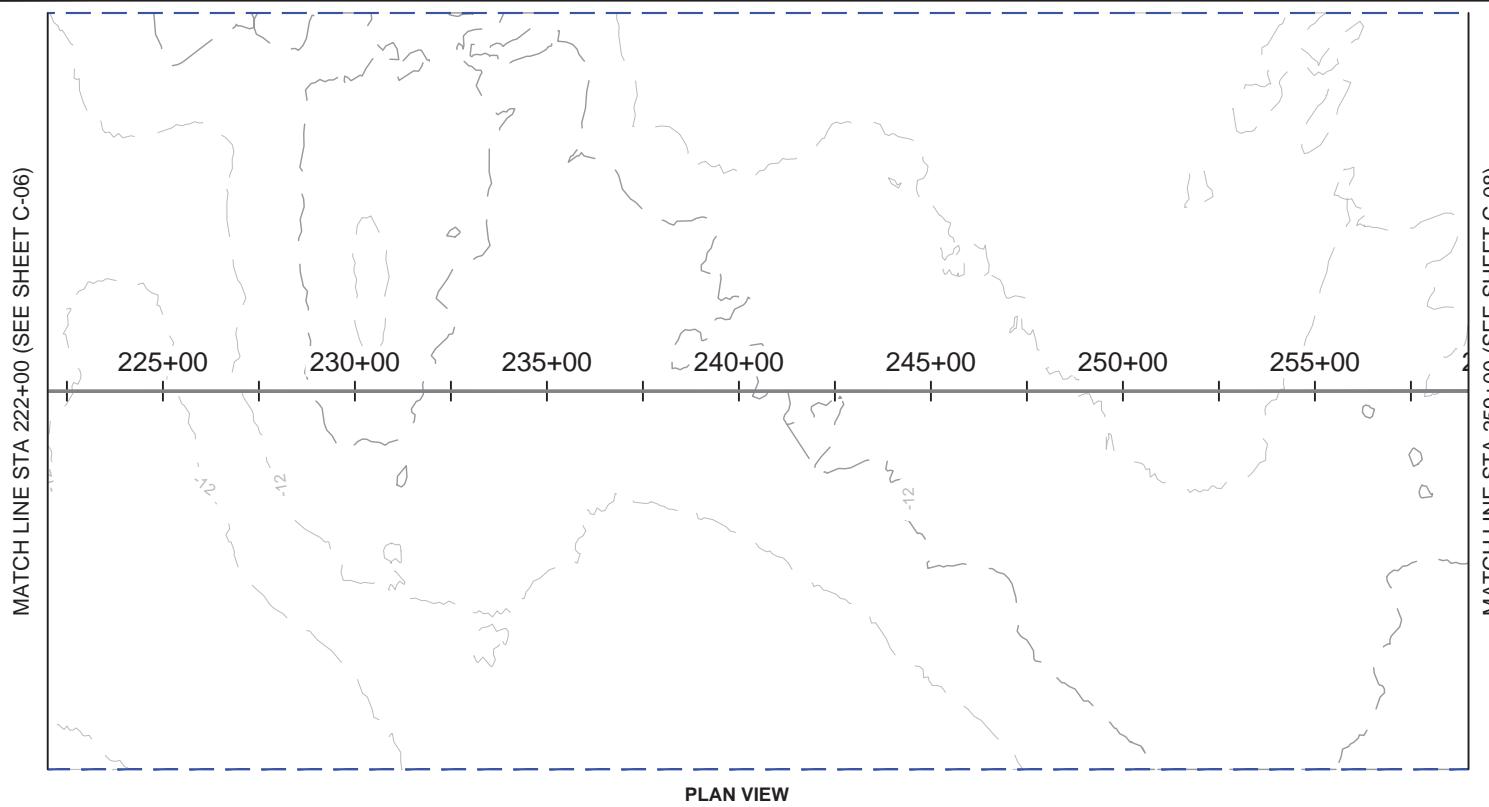
TITLE:

PLAN & PROFILE 148+00.00 - 185+00.00

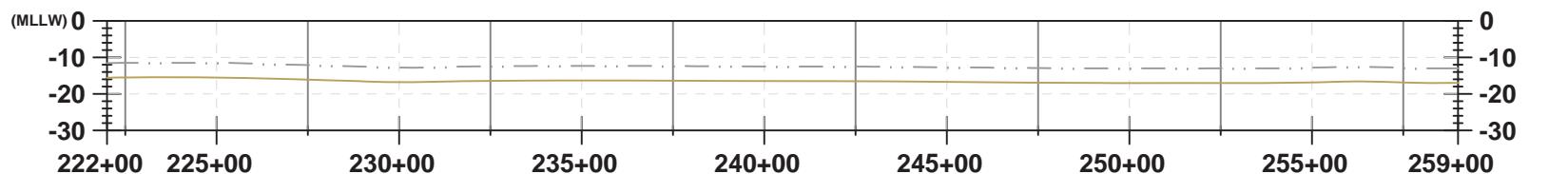
DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 0+00.00 - 370+00.00.dwg
C-05	



12-01-1102-JRCEN



PLAN VIEW



PROFILE VIEW

LEGEND:

- EXISTING GRADE
- EXPORT CABLE (buried 1-3 meters)
- - - OFFSHORE EXPORT CABLE CORRIDOR 1
- - - OFFSHORE EXPORT CABLE CORRIDOR 2
- - - OFFSHORE EXPORT CABLE COMMON CORRIDOR


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

PROJECT:

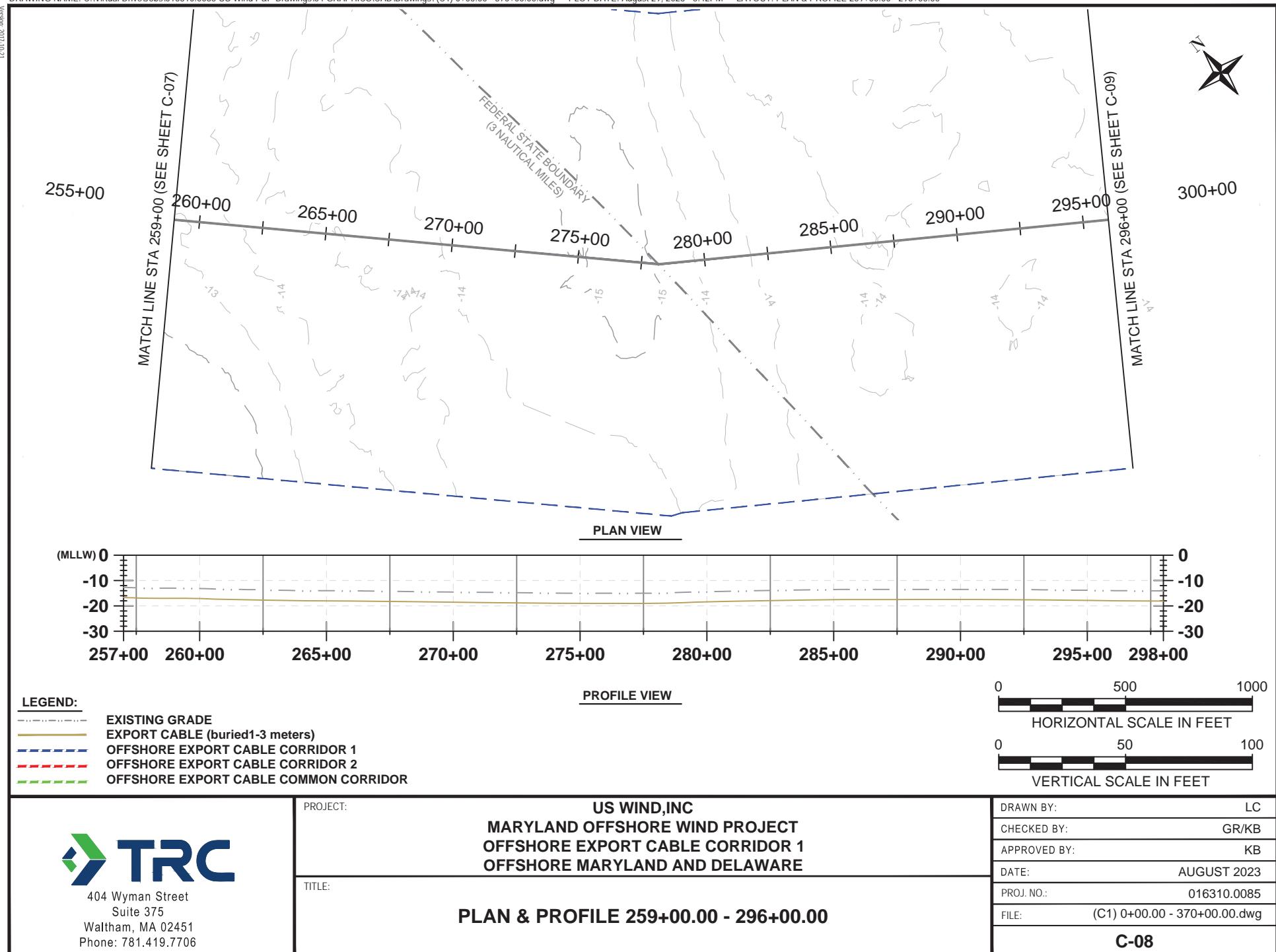
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 1
OFFSHORE MARYLAND AND DELAWARE

TITLE:

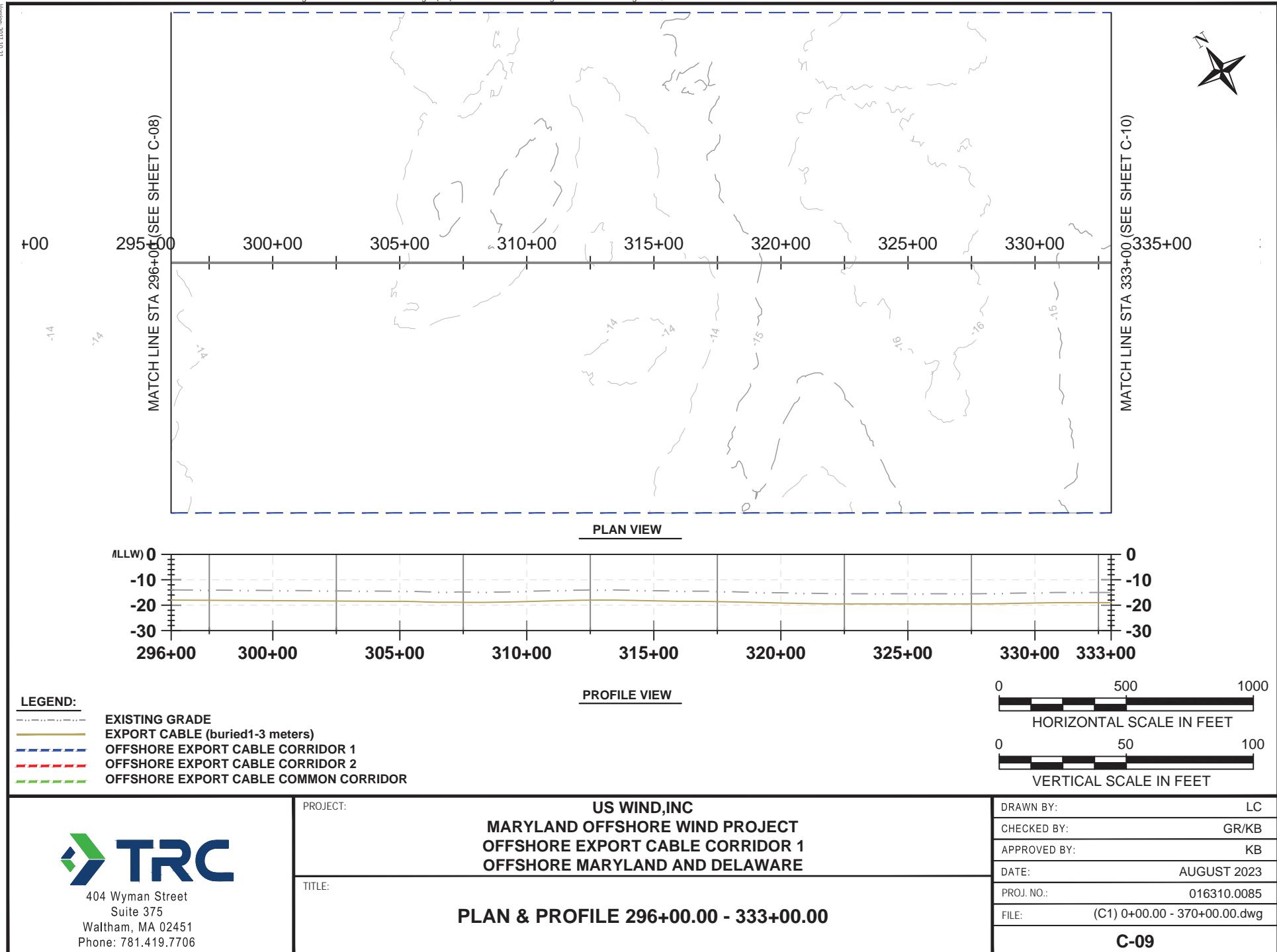
PLAN & PROFILE 222+00.00 - 259+00.00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
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FILE:	(C1) 0+00.00 - 370+00.00.dwg
C-07	

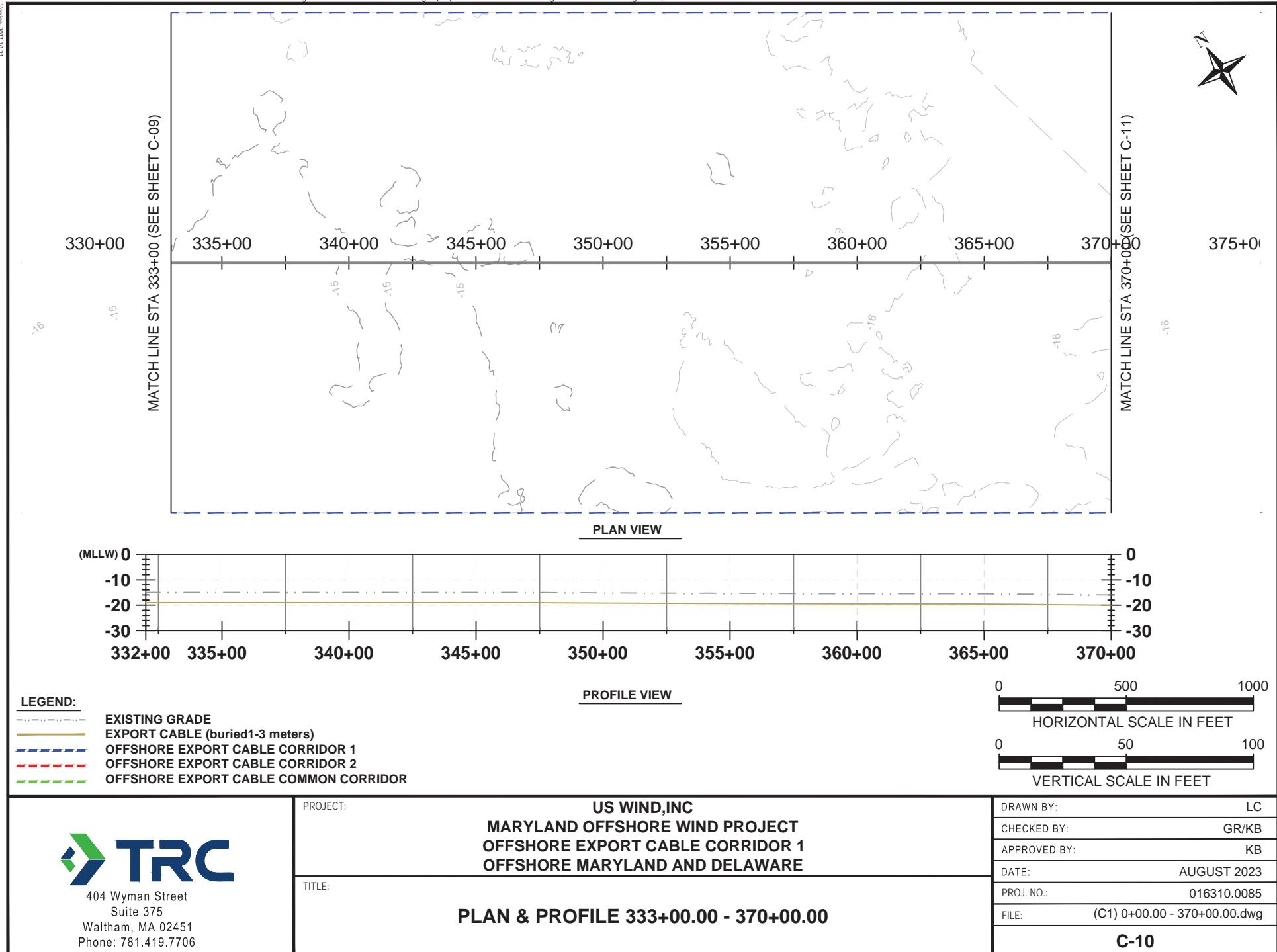
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12-01-1102-JRCEN



12'01" 11'02" 10'00"



12-01-1102-JRCEN

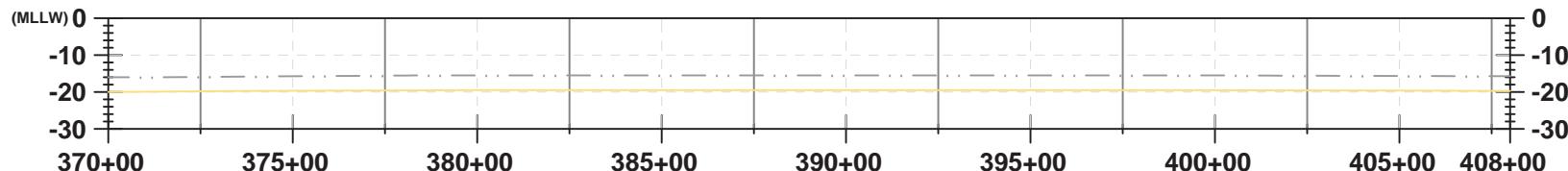
MATCH LINE STA 370+00 (SEE SHEET C-10)

+00 375+00 380+00 385+00 390+00 395+00 400+00 405+00



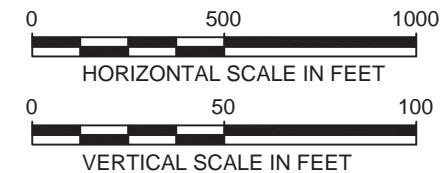
MATCH LINE STA 407+00 (SEE SHEET C-12)

PLAN VIEW



PROFILE VIEW

- LEGEND:
- Existing Grade
 - Export Cable (buried 1-3 meters)
 - - - Offshore Export Cable Corridor 1
 - - - Offshore Export Cable Corridor 2
 - - - Offshore Export Cable Common Corridor



PROJECT:

US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 1
OFFSHORE MARYLAND AND DELAWARE

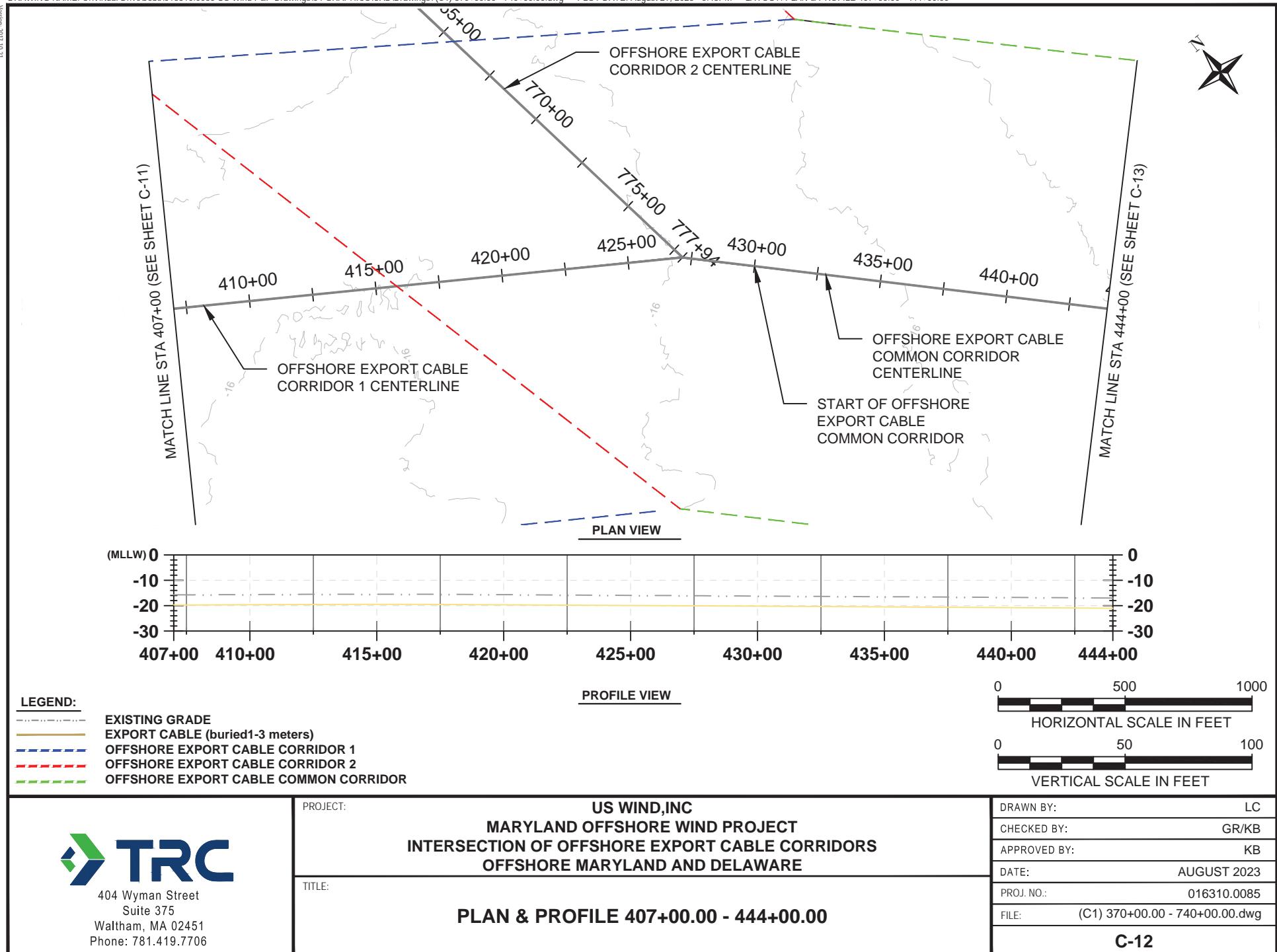
TITLE:

PLAN & PROFILE 370+00.00 - 407+00.00

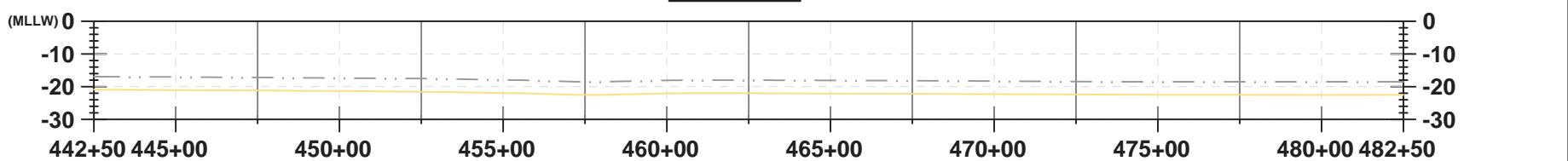
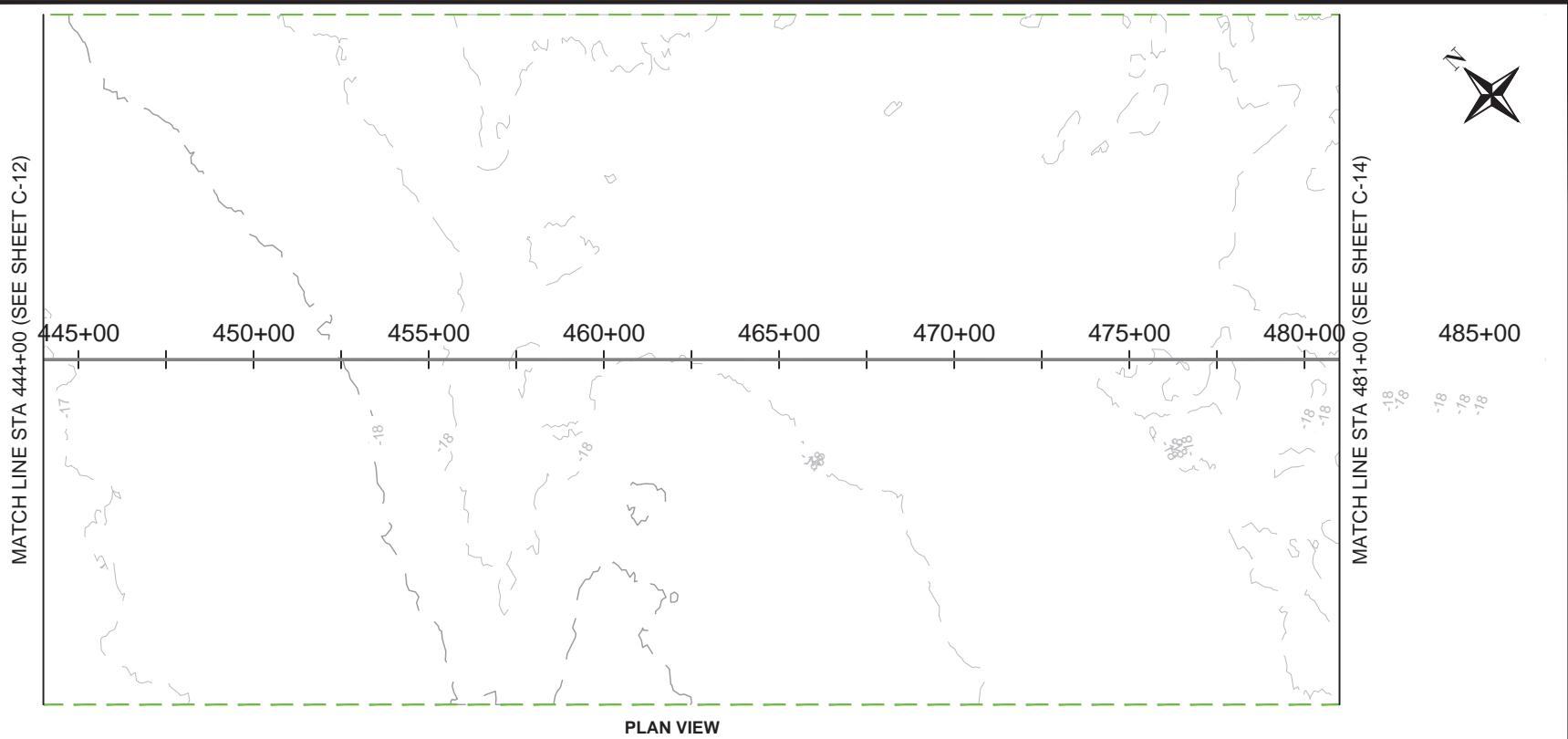
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CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 370+00.00 - 740+00.00.dwg

C-11

17-01102-JRCEN

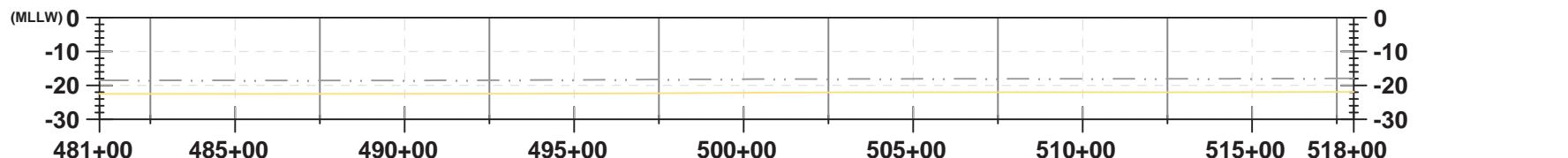
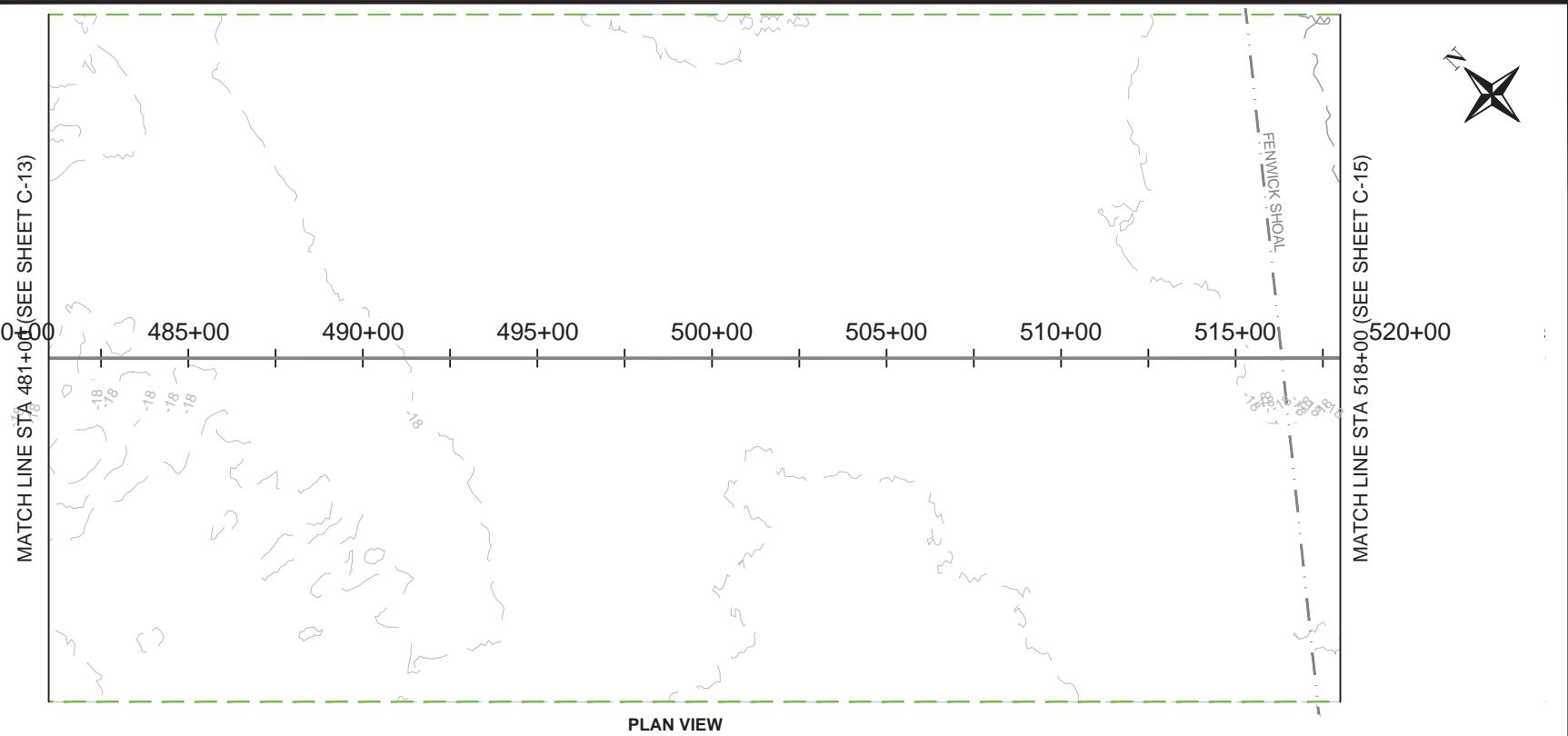


12'01" LOC: JUNGEN



 404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706	PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE TITLE: PLAN & PROFILE 444+00.00 - 481+00.00	DRAWN BY:	LC
		CHECKED BY:	GR/KB
		APPROVED BY:	KB
		DATE:	AUGUST 2023
		PROJ. NO.:	016310.0085
		FILE:	(C1) 370+00.00 - 740+00.00.dwg
		C-13	

12-01-1102-JRCEN



LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

0 500 1000
Horizontal Scale in Feet

0 50 100
Vertical Scale in Feet

PROJECT:

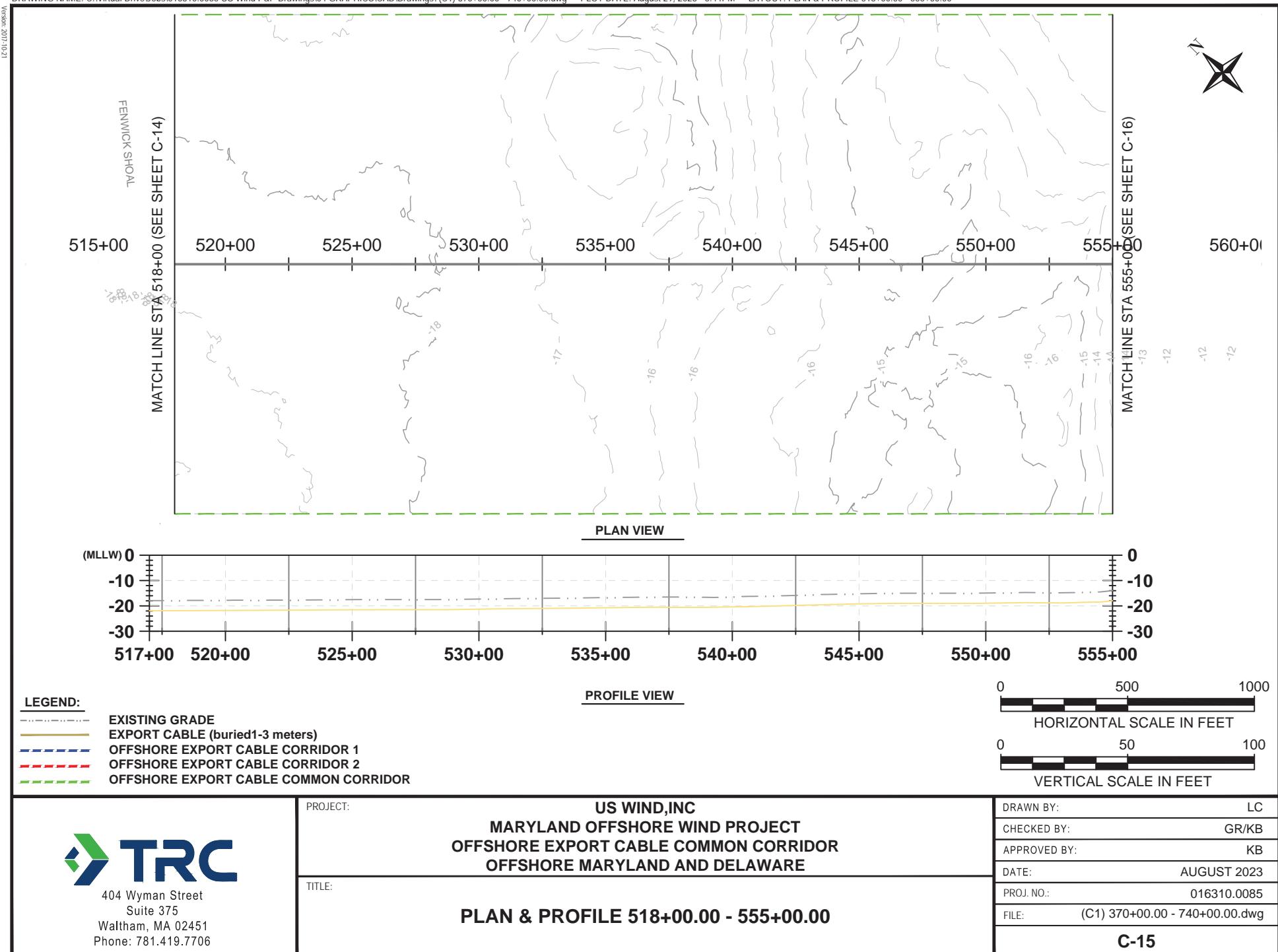
US WIND, INC
 MARYLAND OFFSHORE WIND PROJECT
 OFFSHORE EXPORT CABLE COMMON CORRIDOR
 OFFSHORE MARYLAND AND DELAWARE

TITLE:

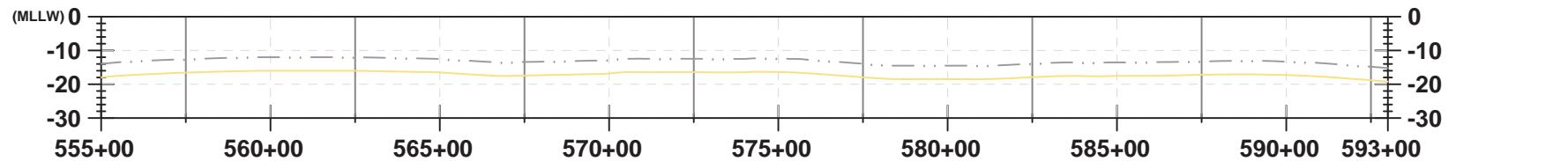
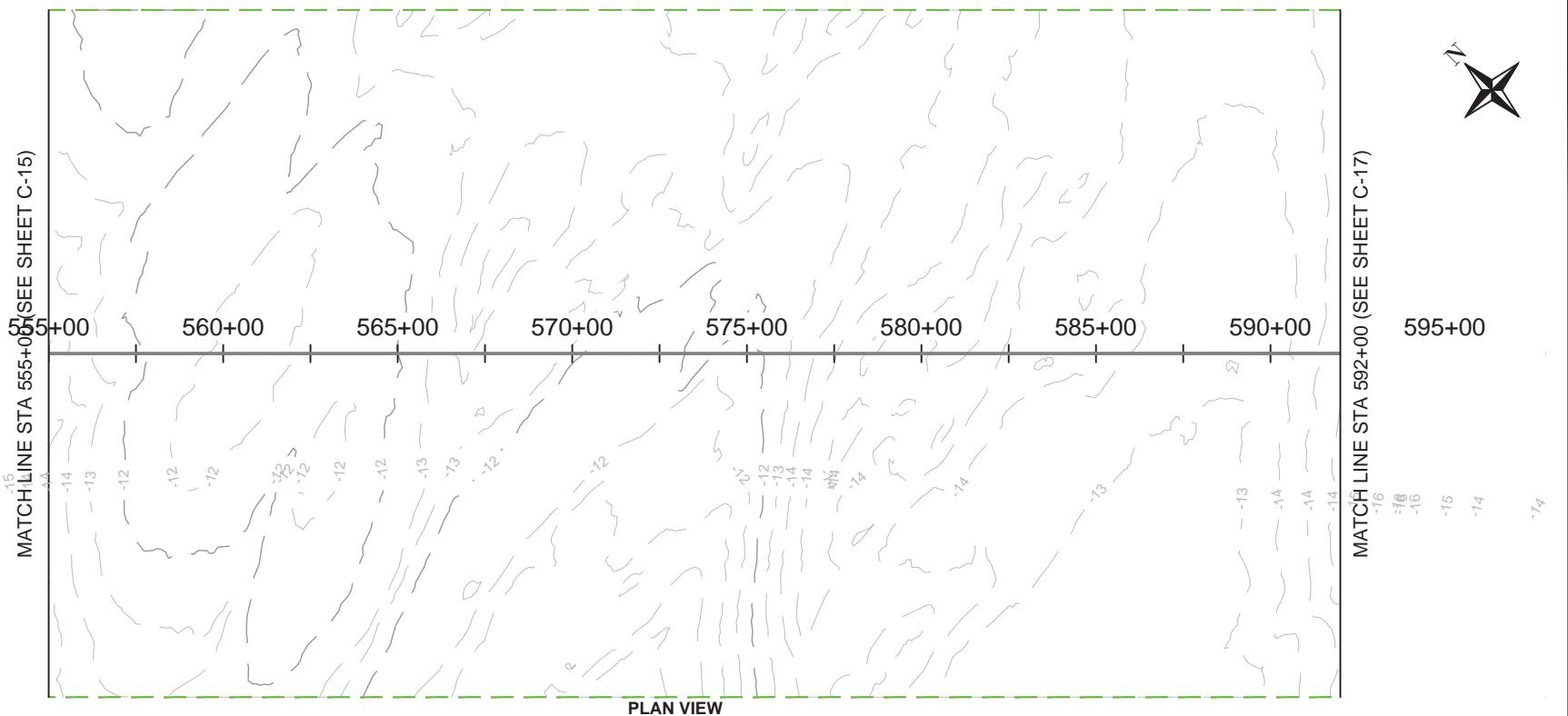
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DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 370+00.00 - 740+00.00.dwg

C-14



12'01" 1102' 1000'



LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

PROJECT:

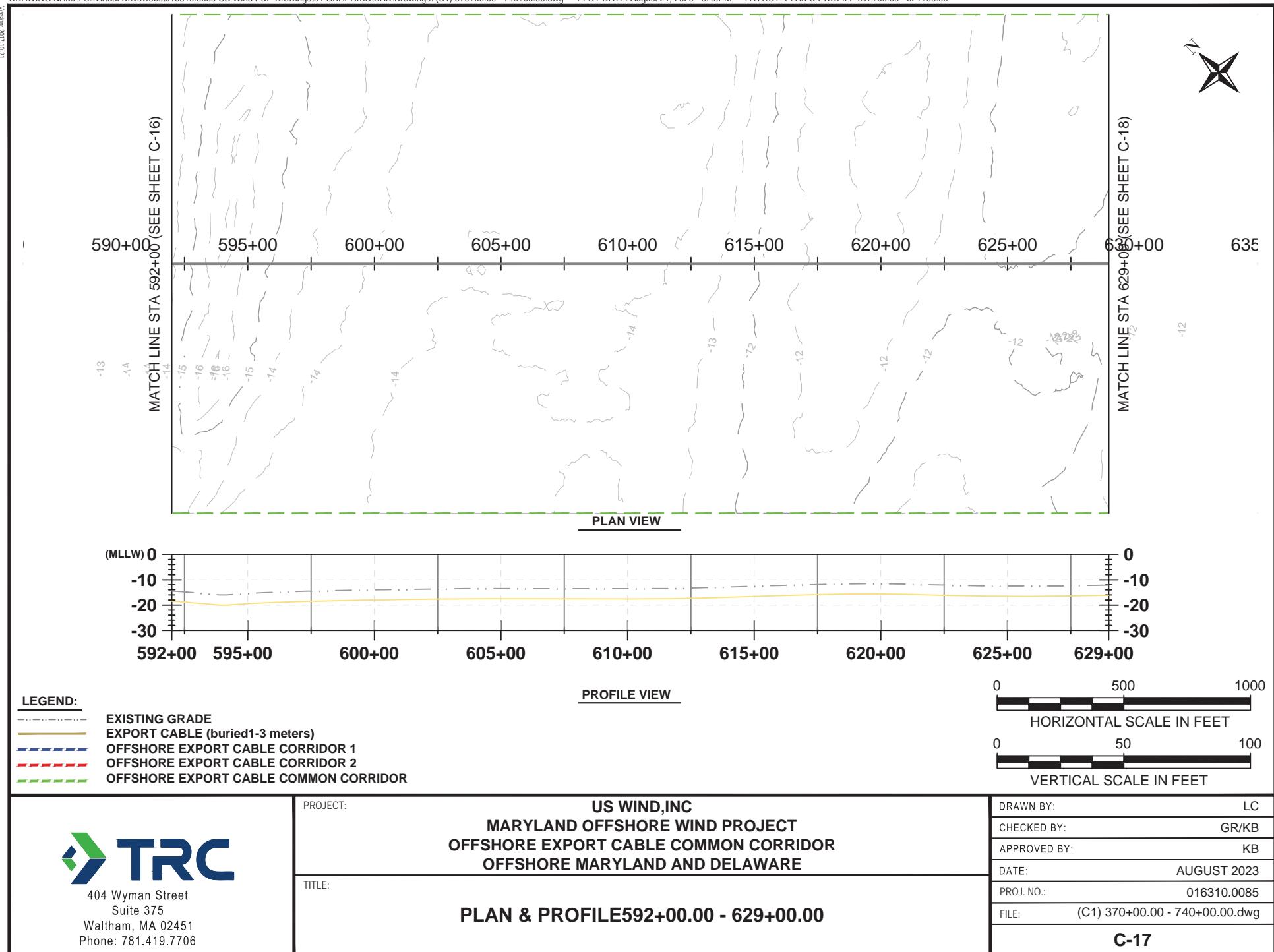
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE COMMON CORRIDOR
OFFSHORE MARYLAND AND DELAWARE

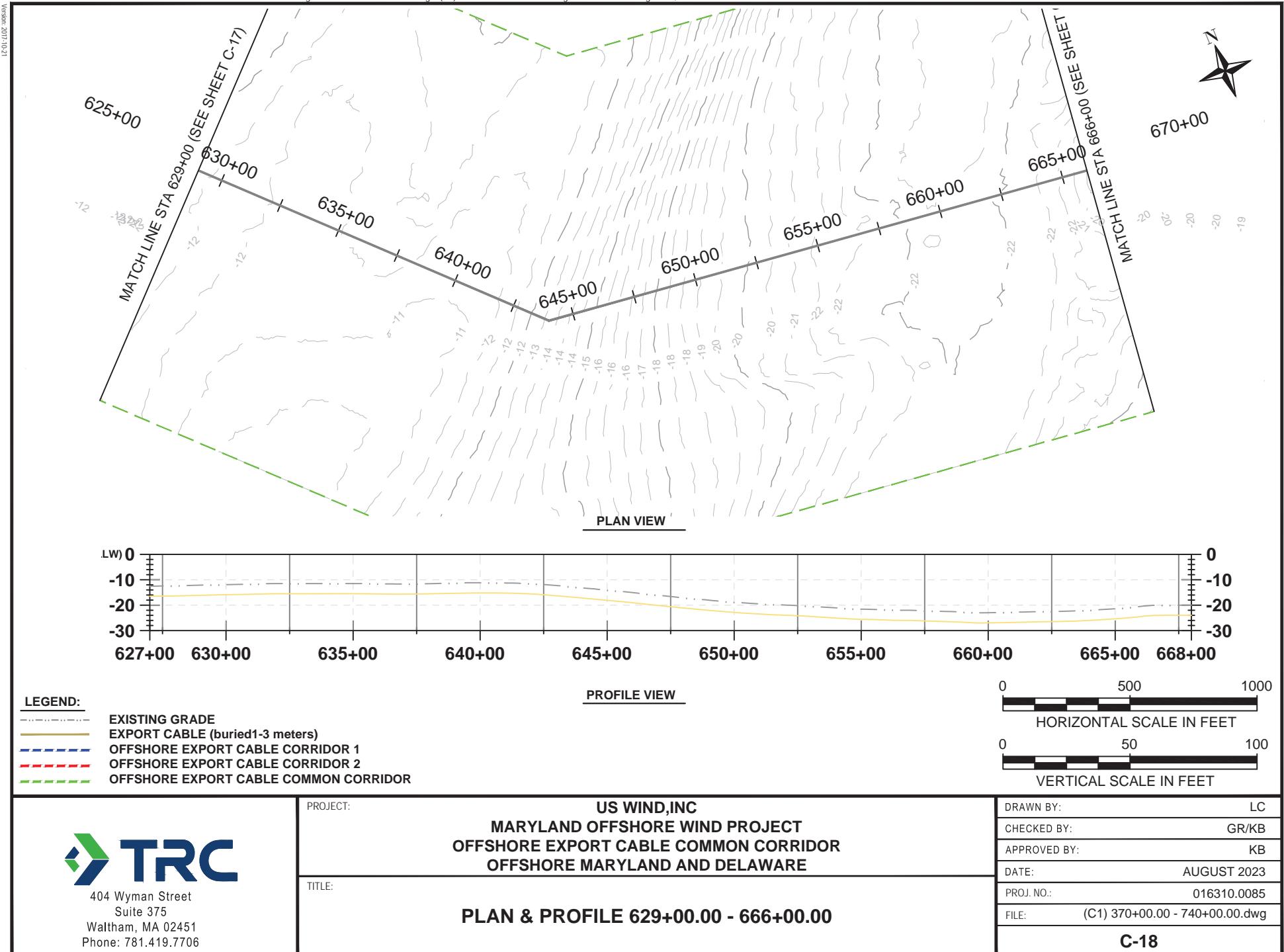
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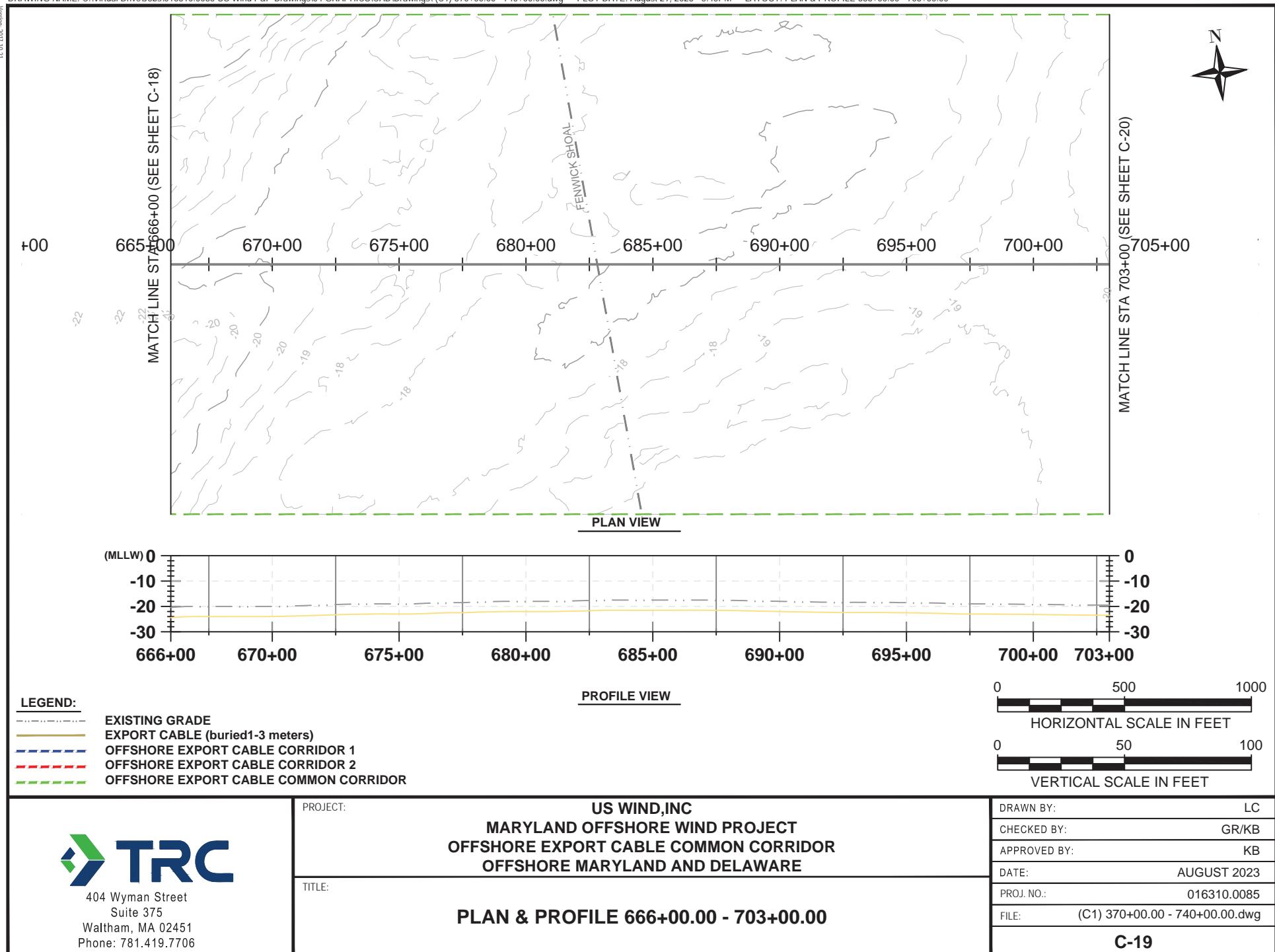
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C-16	

12-01-1102-JRCEN

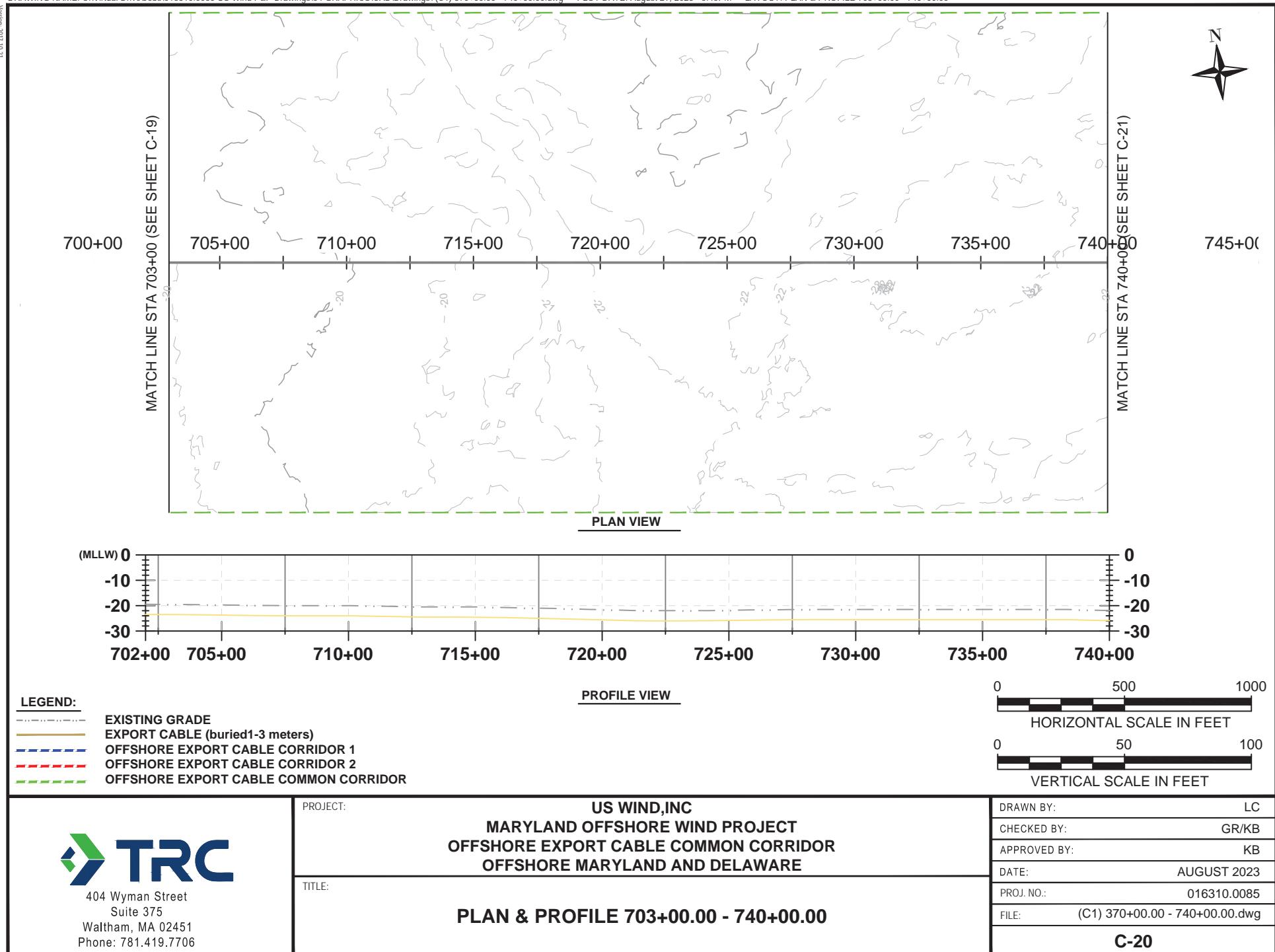




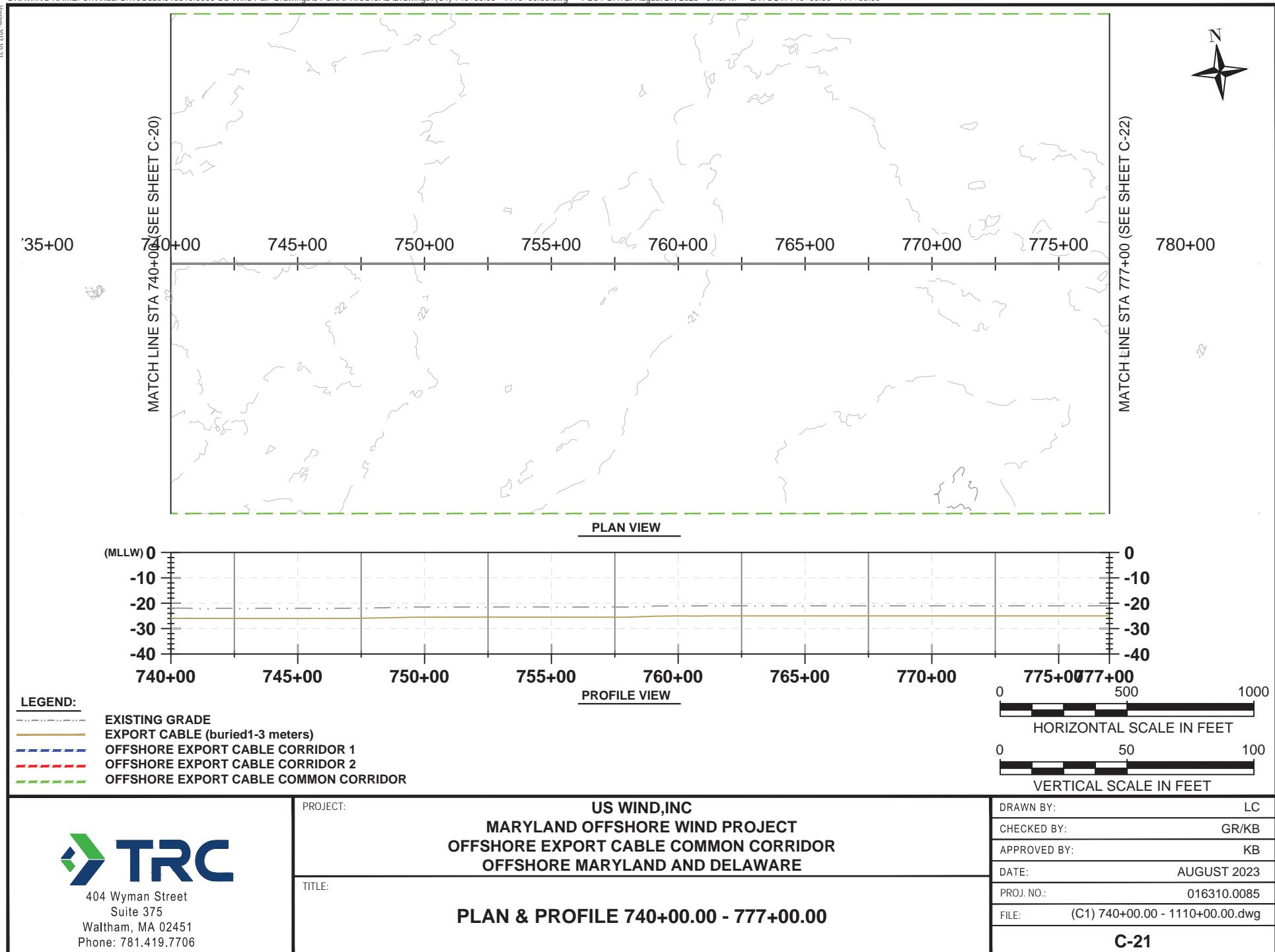
12-01-1102-LCook



17.01.1102 - JRCEN



12-01-1102-JRCEN



12-01-1102-JRCEN



MATCH LINE STA 777+00 (SEE SHEET C-21)

775+00

780+00

785+00

790+00

795+00

800+00

805+00

810+00

814+00

820

MATCH LINE STA 814+00 (SEE SHEET C-23)

PLAN VIEW

(MLLW)

0

-10

-20

-30

-40

777+00

780+00

785+00

790+00

795+00

800+00

805+00

810+00

814+00

0

-10

-20

-30

-40

0

500

1000

HORIZONTAL SCALE IN FEET

0 50 100

VERTICAL SCALE IN FEET

LEGEND:

- EXISTING GRADE
- EXPORT CABLE (buried 1-3 meters)
- OFFSHORE EXPORT CABLE CORRIDOR 1
- OFFSHORE EXPORT CABLE CORRIDOR 2
- OFFSHORE EXPORT CABLE COMMON CORRIDOR

PROFILE VIEW

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 740+00.00 - 1110+00.00.dwg
C-22	

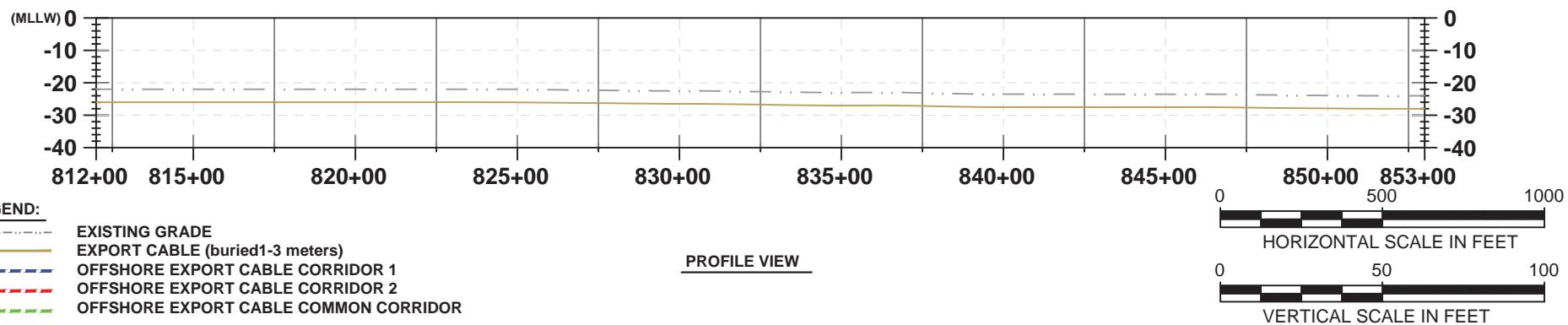
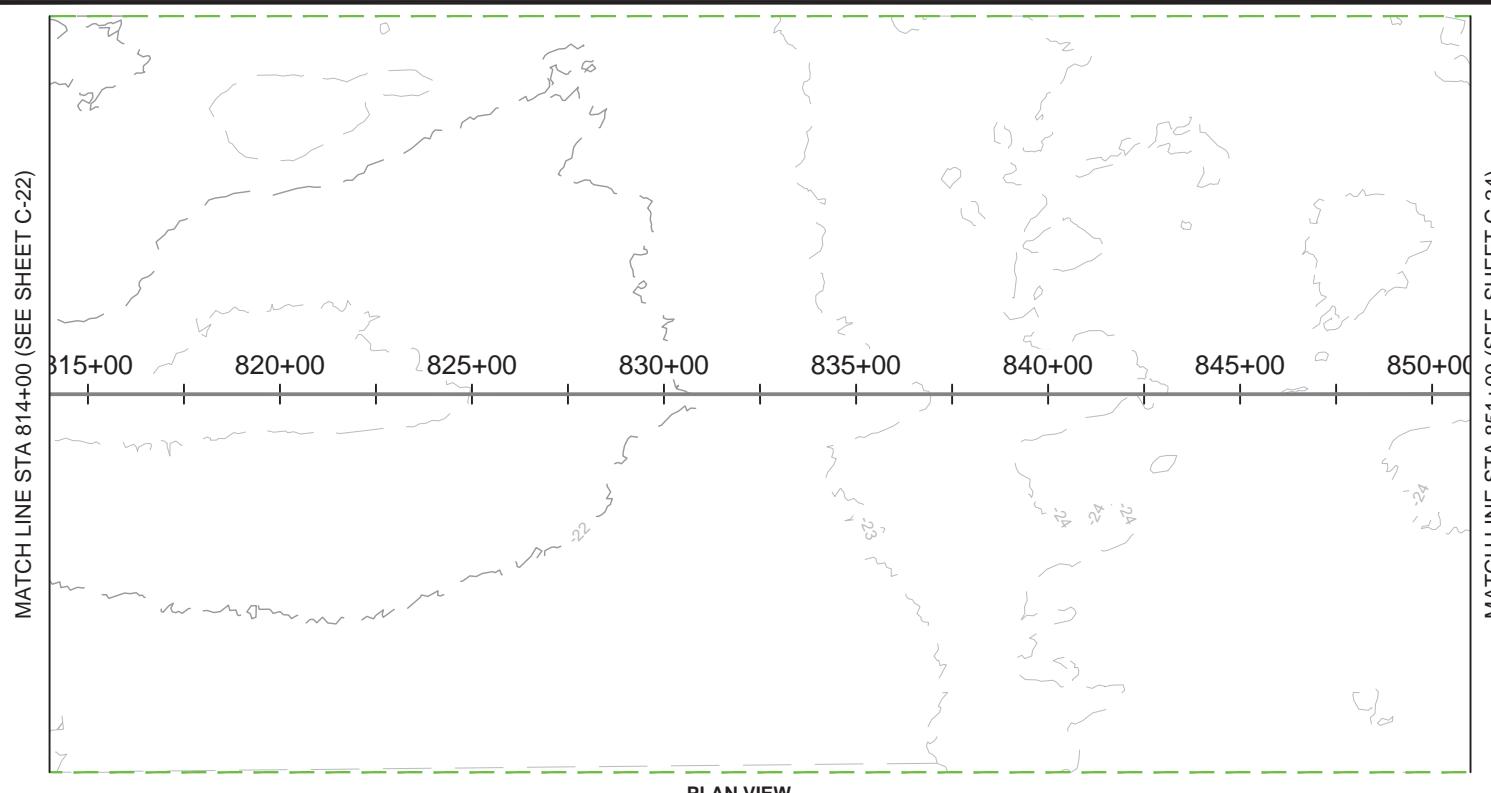
PROJECT:

US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE COMMON CORRIDOR
OFFSHORE MARYLAND AND DELAWARE

TITLE:

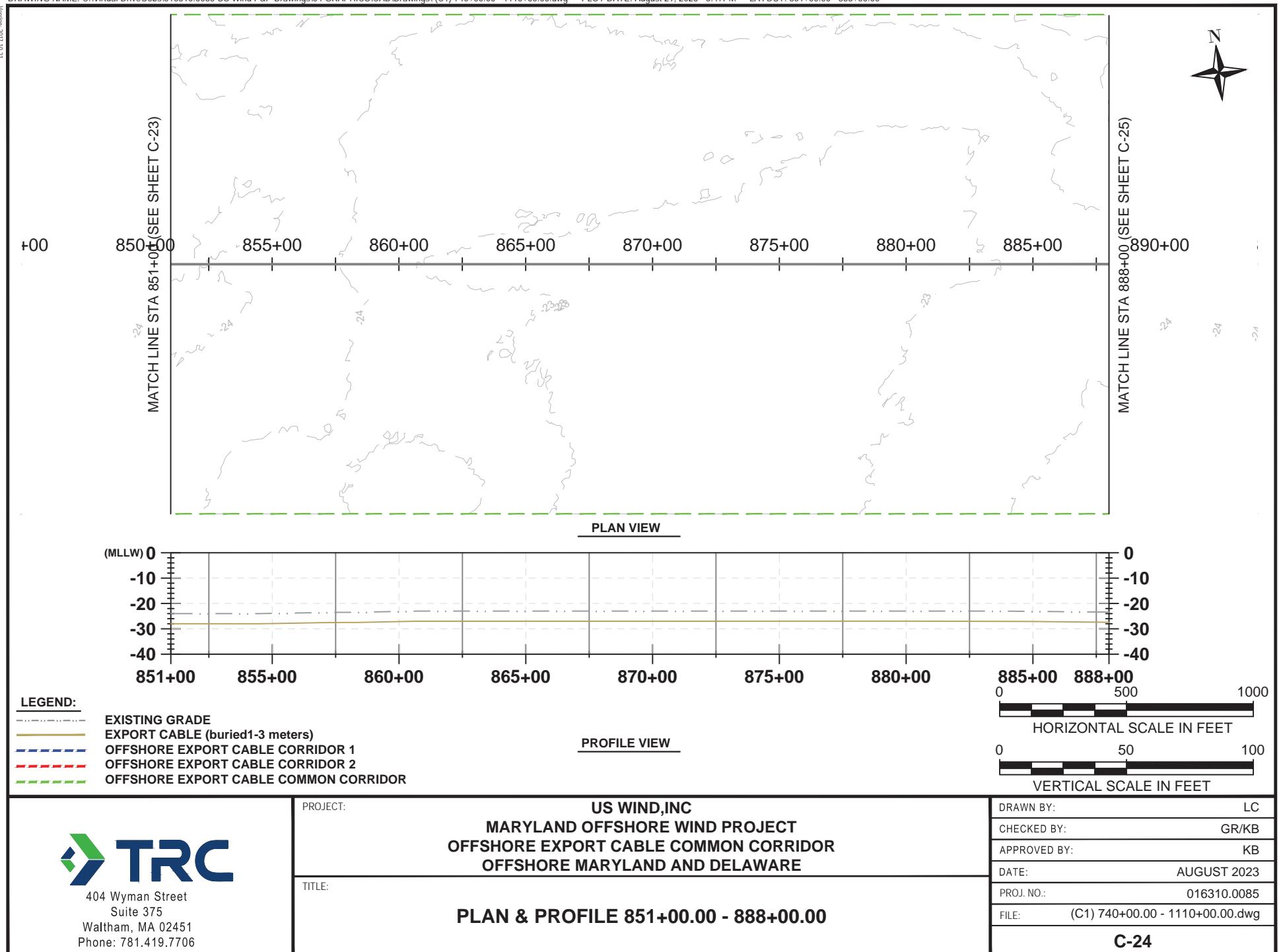
PLAN & PROFILE 777+00.00 - 814+00.00

12-01-1102-JRCEN

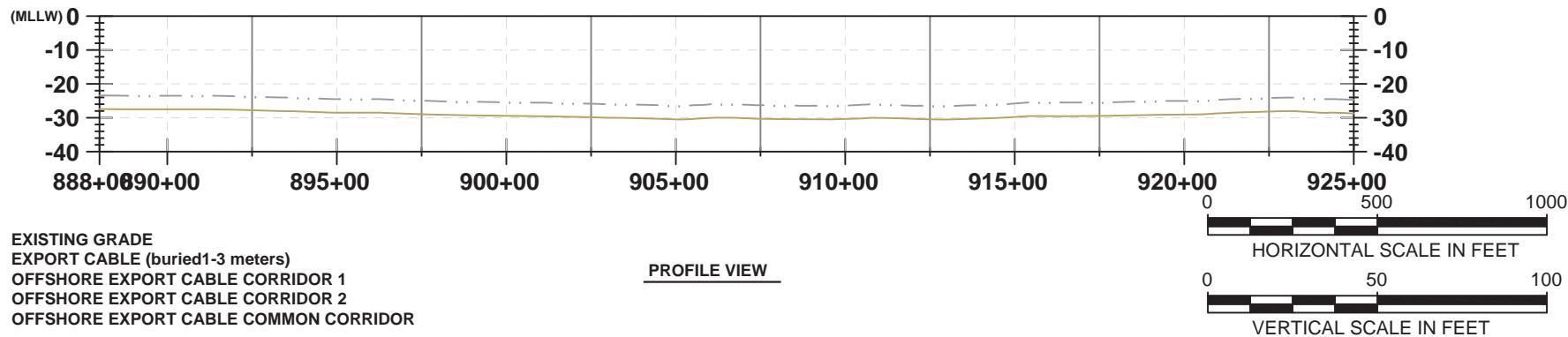
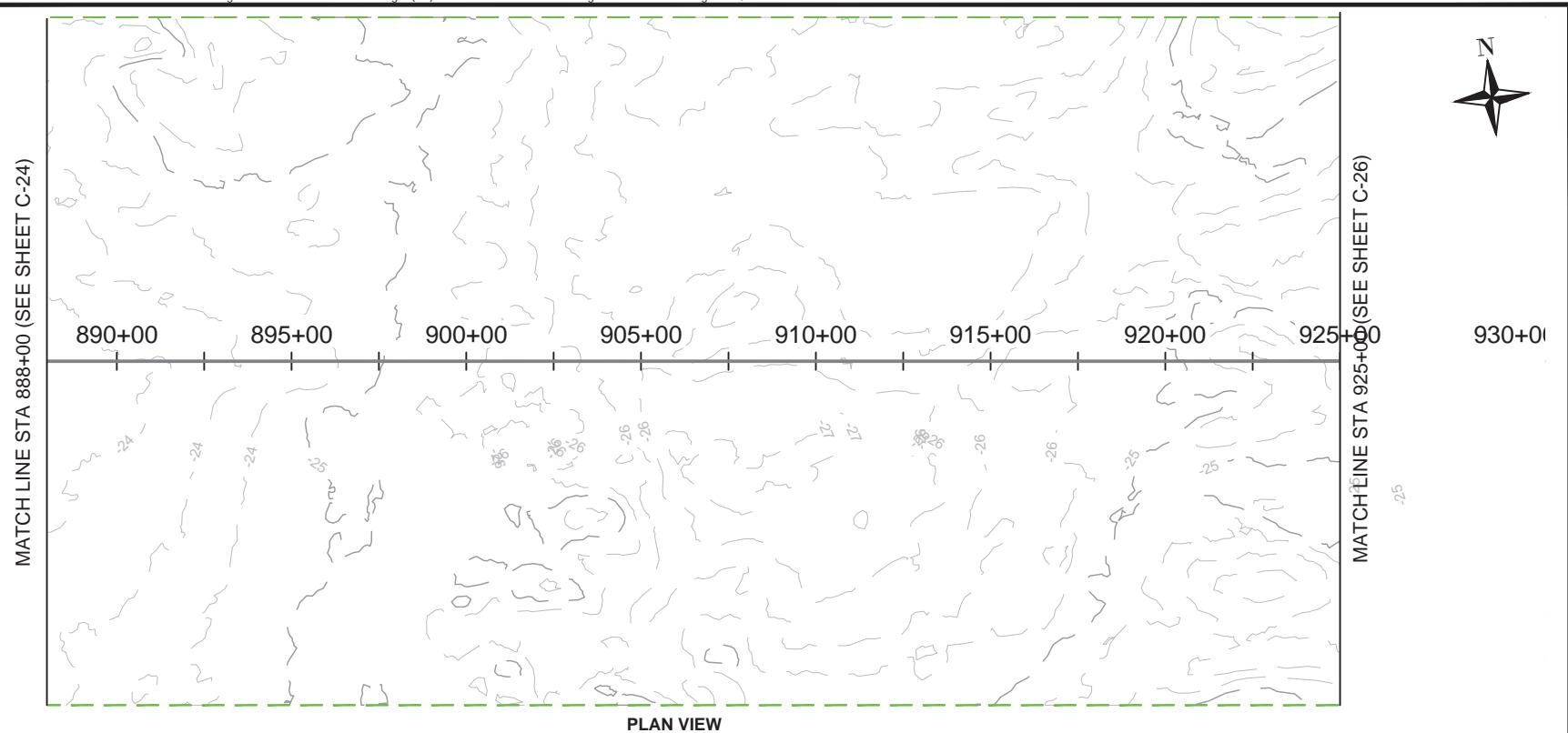


 <p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	<p>PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE</p> <p>TITLE: PLAN & PROFILE 814+00.00 - 851+00.00</p>	<p>DRAWN BY: LC</p> <p>CHECKED BY: GR/KB</p> <p>APPROVED BY: KB</p> <p>DATE: AUGUST 2023</p> <p>PROJ. NO.: 016310.0085</p> <p>FILE: (C1) 740+00.00 - 1110+00.00.dwg</p>
	C-23	

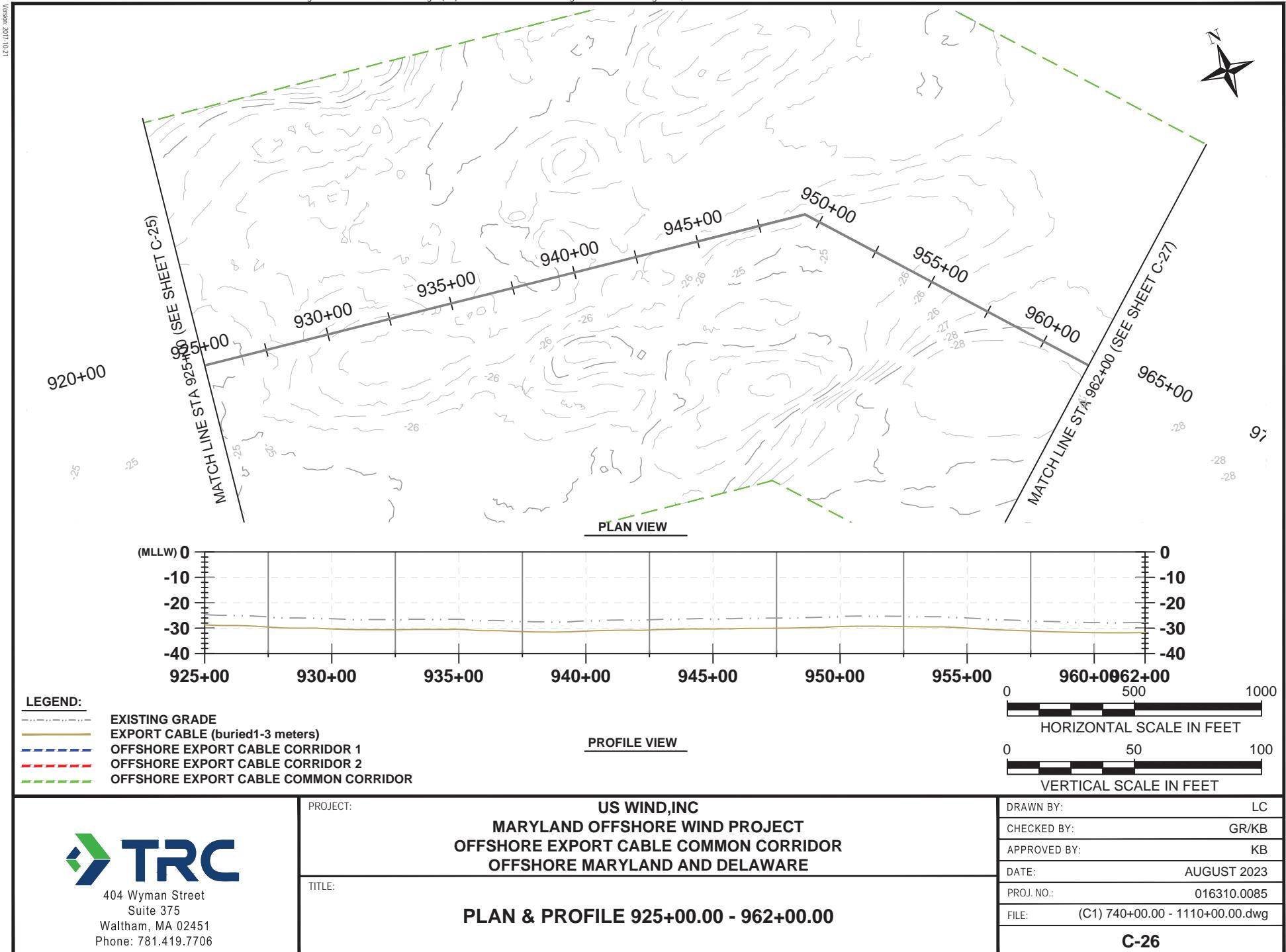
12' 01" LOC: JUNIOR



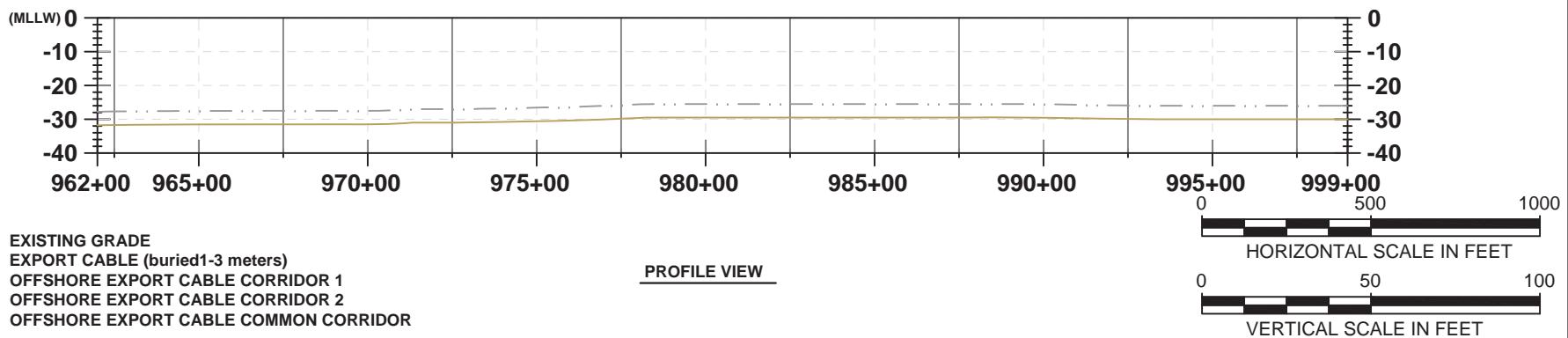
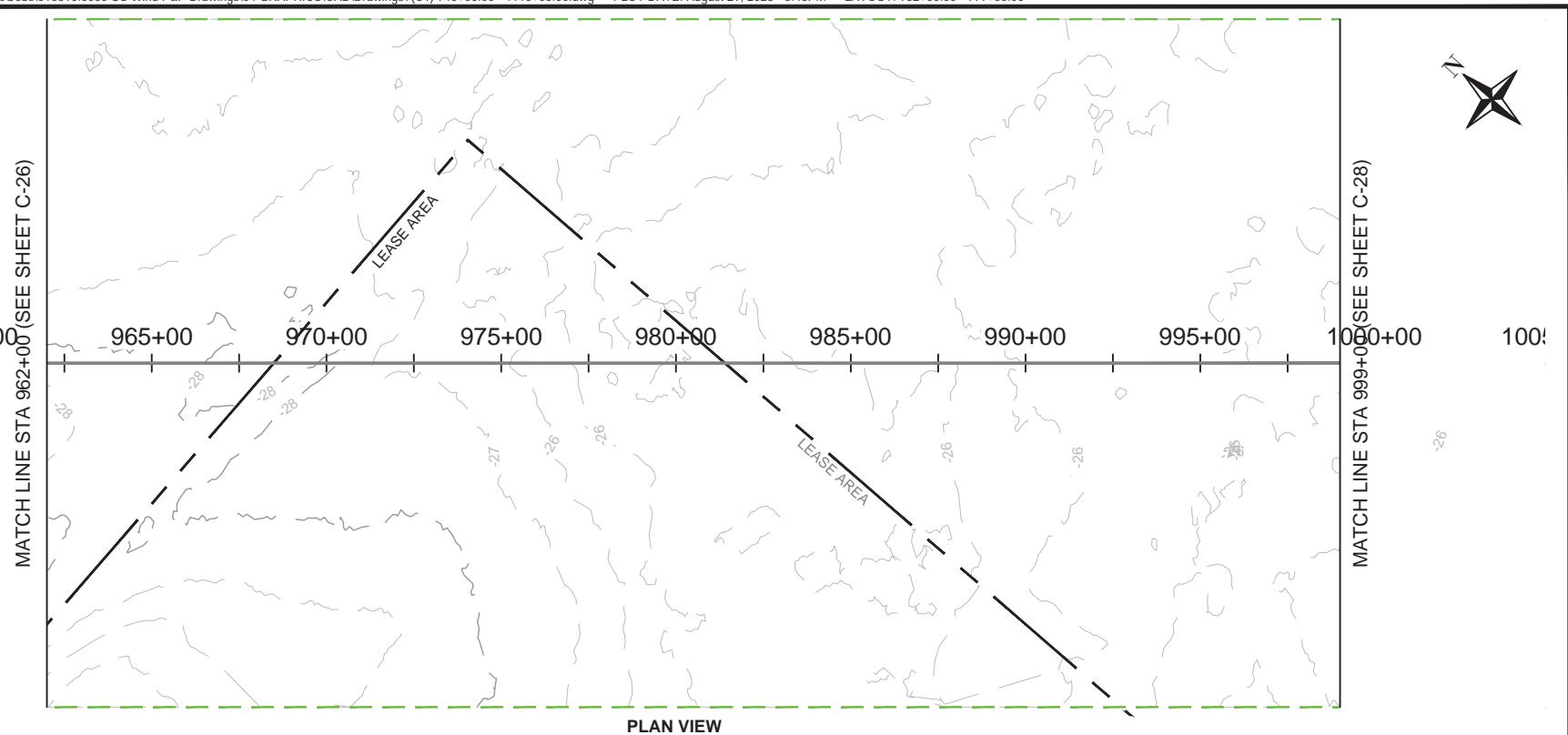
17-01102-LCOOK



 <p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	<p>PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE</p> <p>TITLE: PLAN & PROFILE 888+00.00 - 925+00.00</p>	DRAWN BY: LC
		CHECKED BY: GR/KB
		APPROVED BY: KB
		DATE: AUGUST 2023
		PROJ. NO.: 016310.0085
		FILE: (C1) 740+00.00 - 1110+00.00.dwg
		C-25

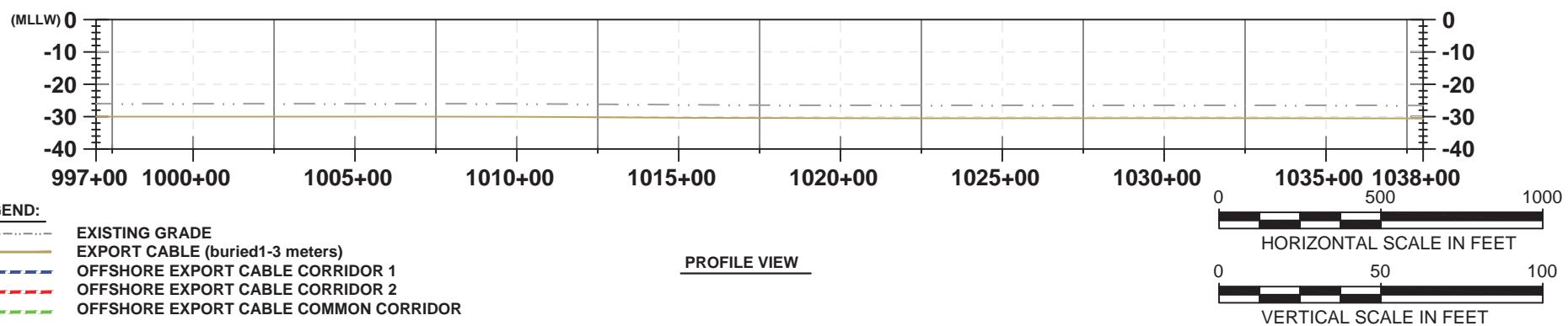
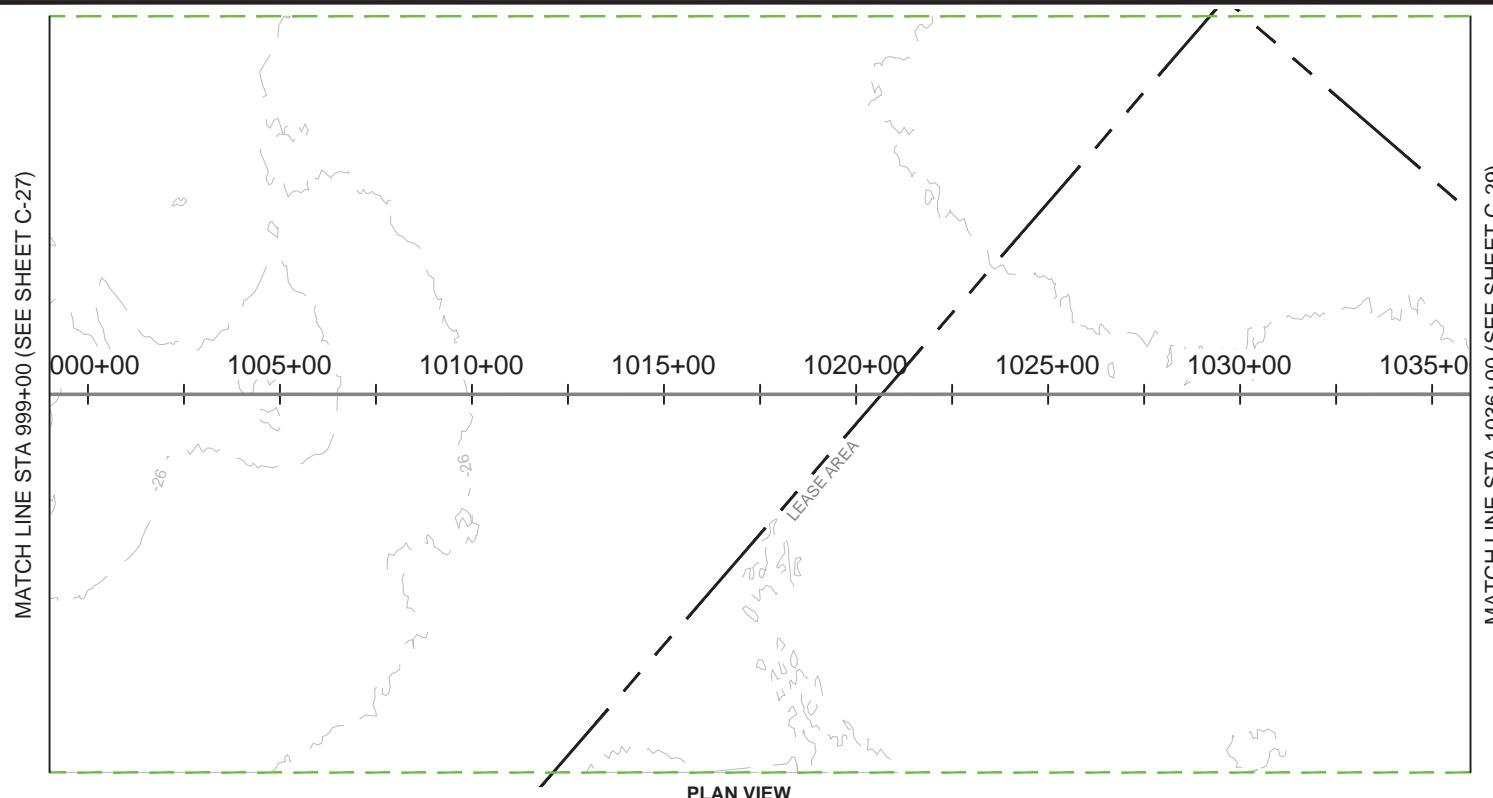


12-01-1102-JRCEN

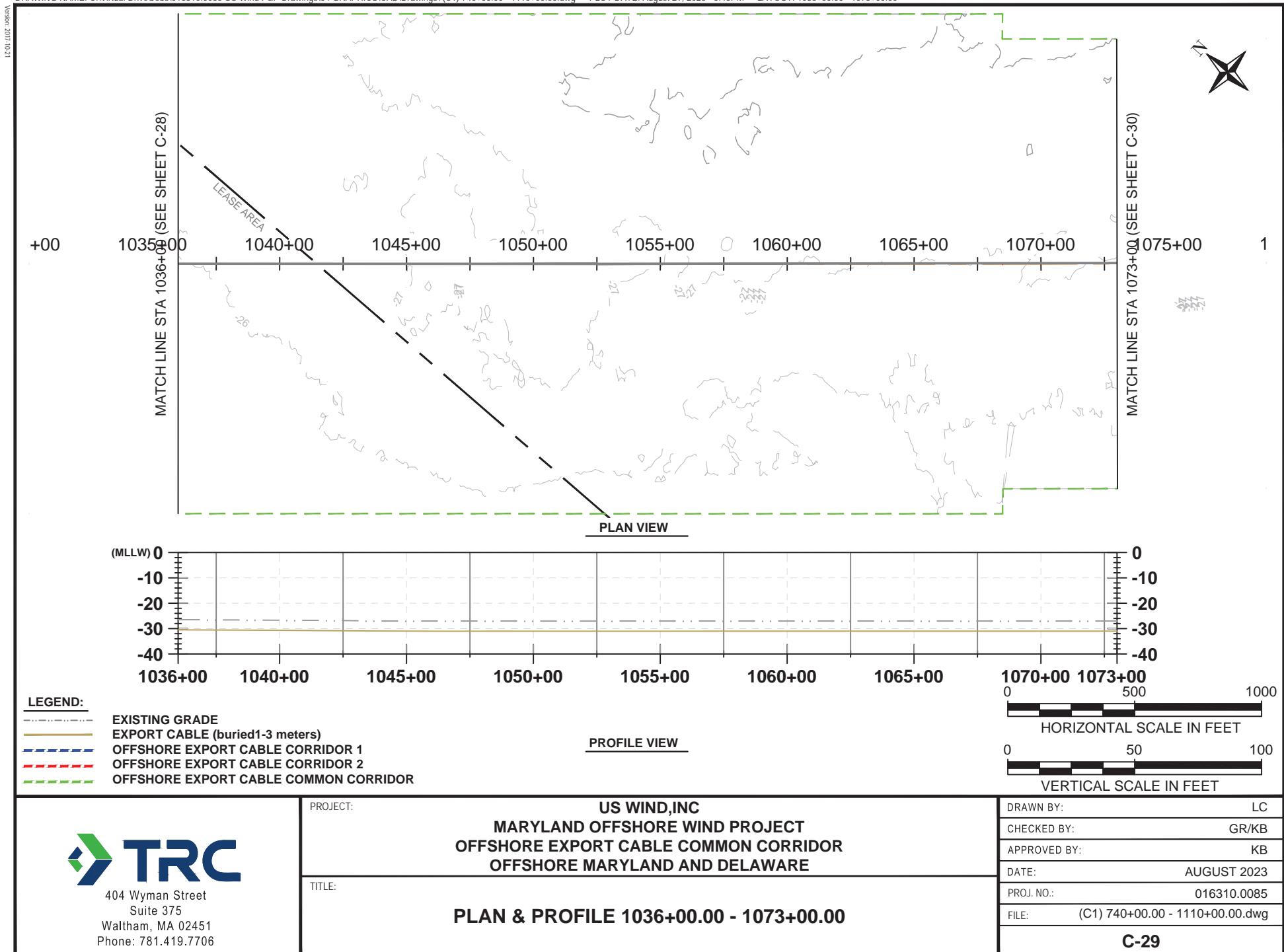


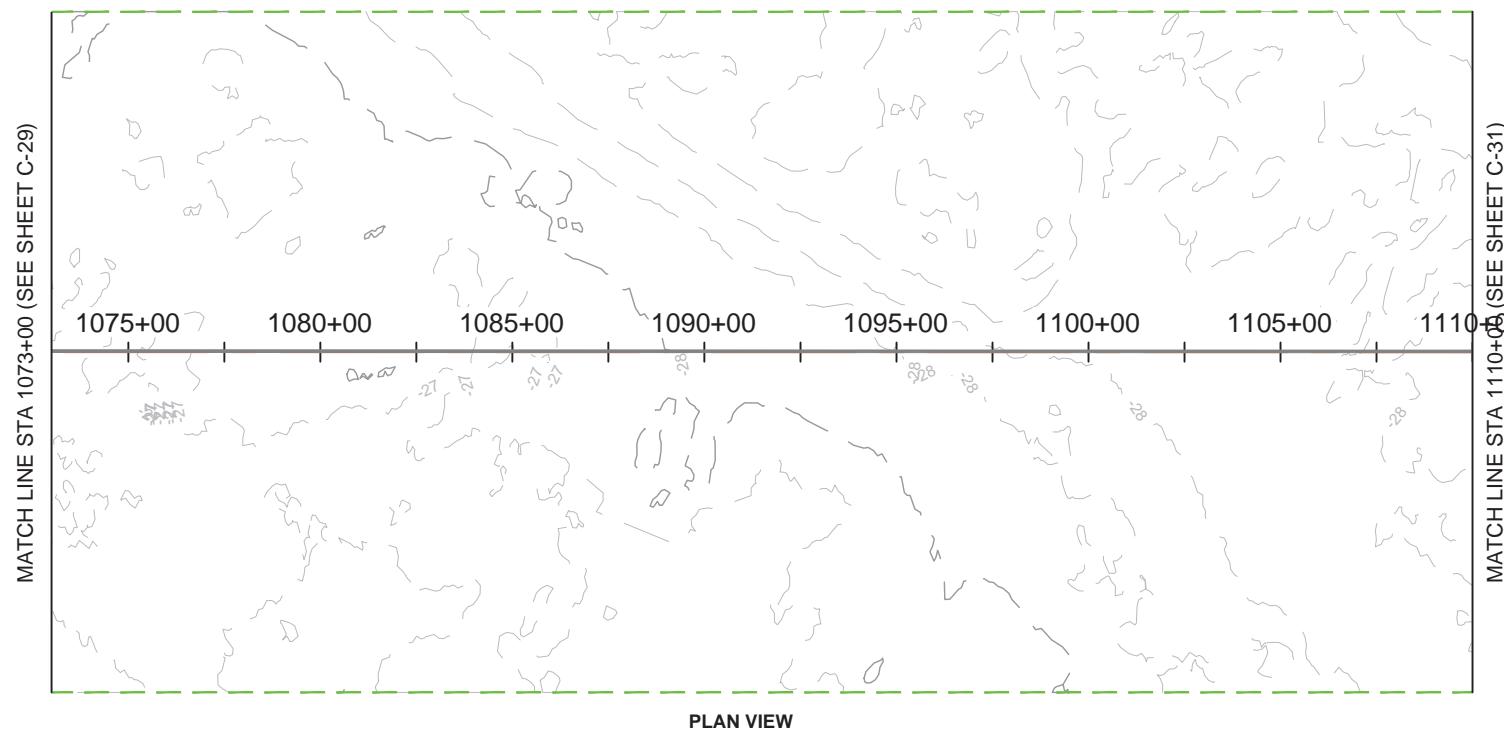
<p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	<p>PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE</p> <p>TITLE: PLAN & PROFILE 962+00.00 - 999+00.00</p>	<p>DRAWN BY: LC</p> <p>CHECKED BY: GR/KB</p> <p>APPROVED BY: KB</p> <p>DATE: AUGUST 2023</p> <p>PROJ. NO.: 016310.0085</p> <p>FILE: (C1) 740+00.00 - 1110+00.00.dwg</p>
		C-27

12' 01" LOC: JUNGEN

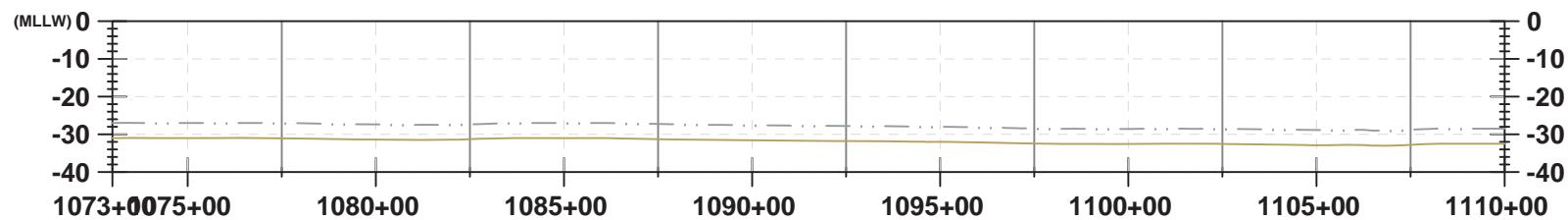


 404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706	PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE	DRAWN BY: LC CHECKED BY: GR/KB APPROVED BY: KB DATE: AUGUST 2023 PROJ. NO.: 016310.0085 FILE: (C1) 740+00.00 - 1110+00.00.dwg
	TITLE: PLAN & PROFILE 999+00.00 - 1036+00.00	C-28





PLAN VIEW



LEGEND:

- EXISTING GRADE
- EXPORT CABLE (buried 1-3 meters)
- OFFSHORE EXPORT CABLE CORRIDOR 1
- OFFSHORE EXPORT CABLE CORRIDOR 2
- OFFSHORE EXPORT CABLE COMMON CORRIDOR

PROFILE VIEW



VERTICAL SCALE IN FEET

PROJECT:

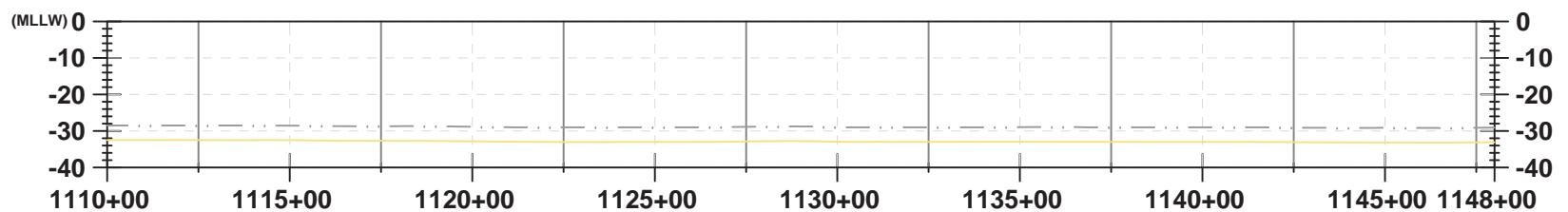
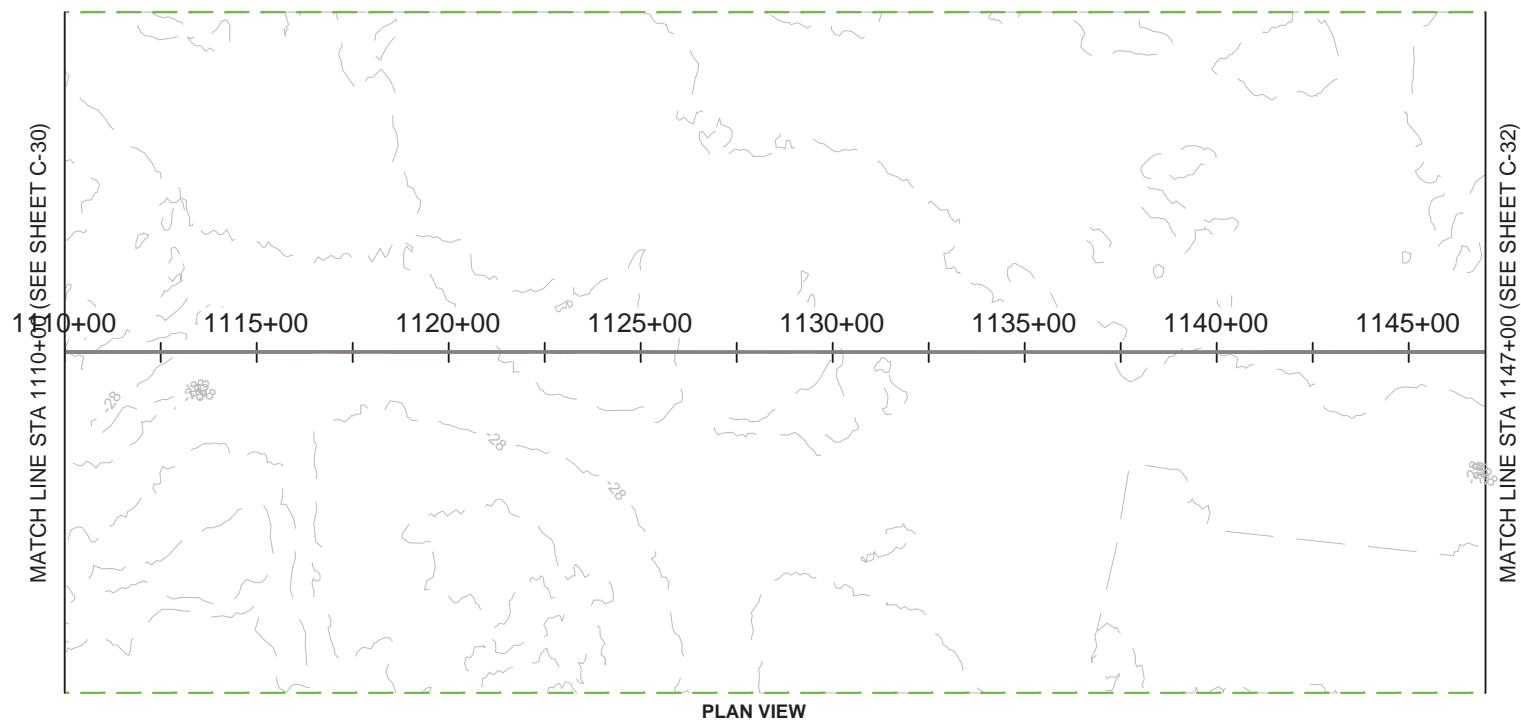
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE COMMON CORRIDOR
OFFSHORE MARYLAND AND DELAWARE

TITLE:

PLAN & PROFILE 1073+00.00 - 1110+00.00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 740+00.00 - 1110+00.00.dwg
C-30	

12-01-1102 - JRCEN



LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

PROJECT:

US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE COMMON CORRIDOR
OFFSHORE MARYLAND AND DELAWARE

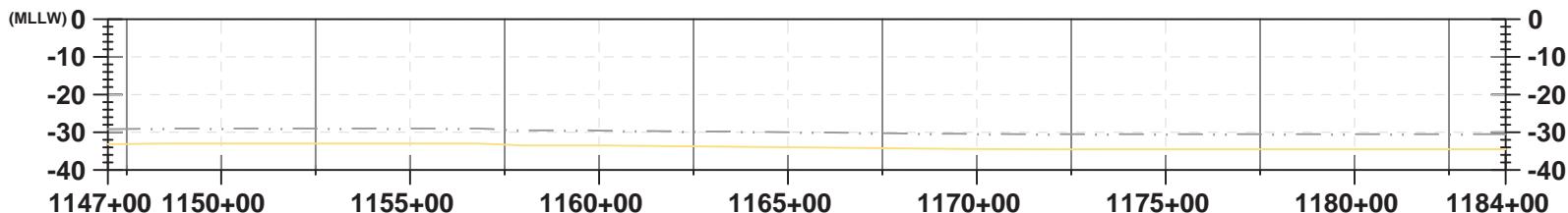
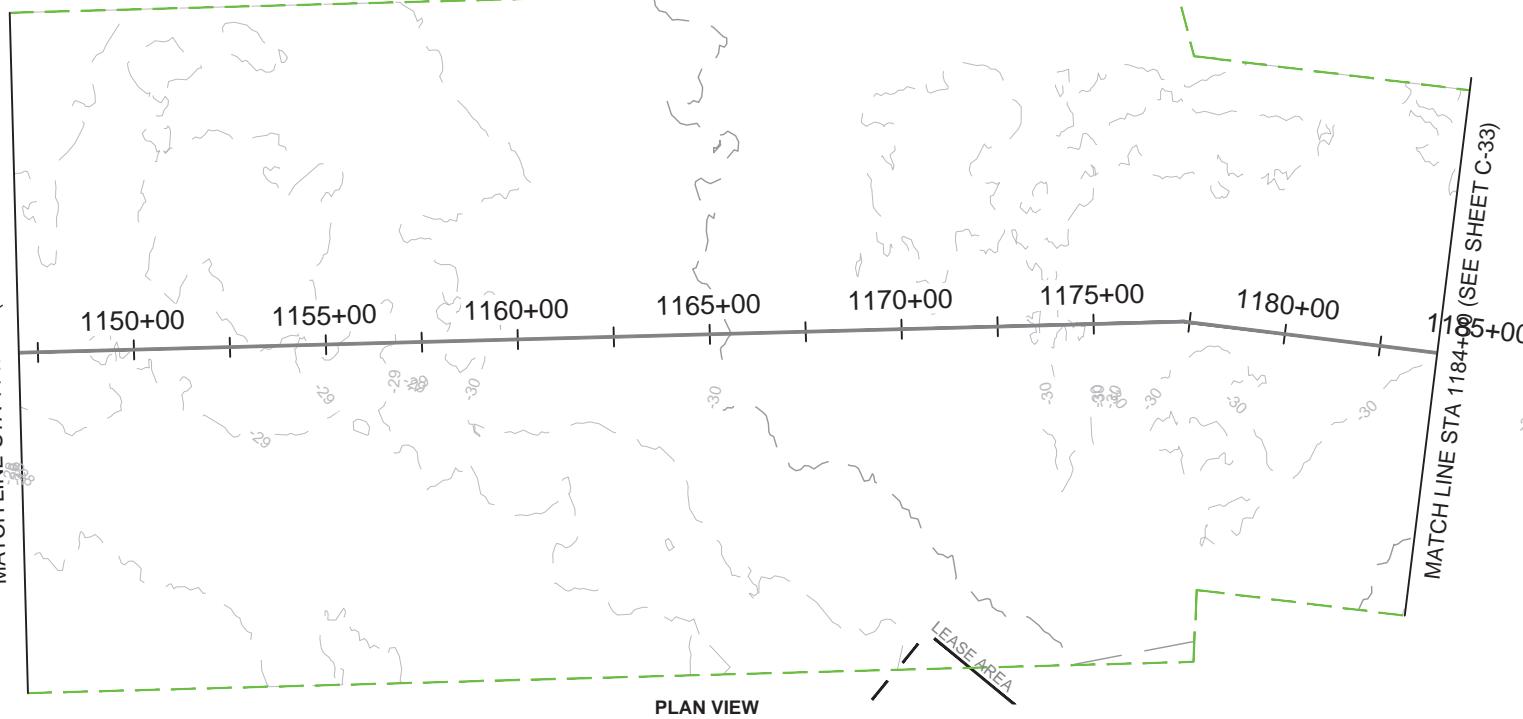
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PLAN & PROFILE 1110+00.00 - 1147+00.00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 1110+00.00 - 1480+00.00.dwg
C-31	

17-011002-JRCEN

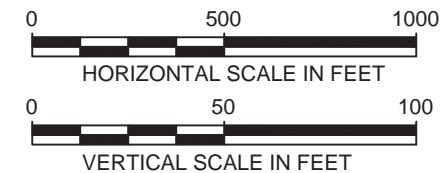
MATCH LINE STA 1147+00 (SEE SHEET C-31)



LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

PROFILE VIEW



PROJECT:

US WIND, INC
 MARYLAND OFFSHORE WIND PROJECT
 OFFSHORE EXPORT CABLE COMMON CORRIDOR
 OFFSHORE MARYLAND AND DELAWARE

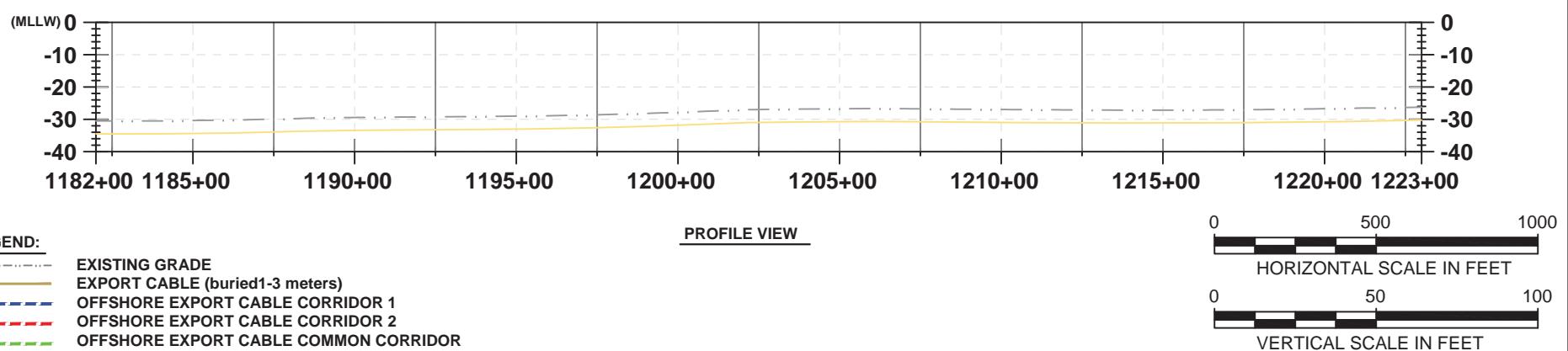
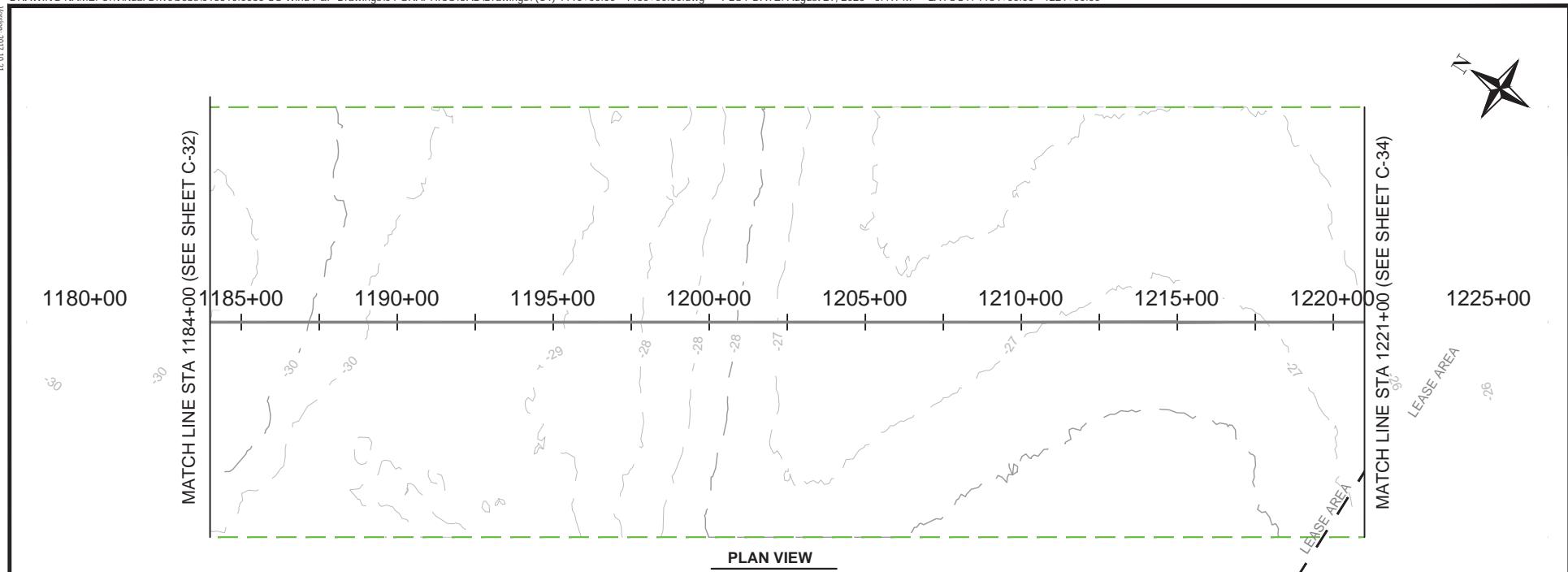
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PLAN & PROFILE 1147+00.00 - 1184+00.00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 1110+00.00 - 1480+00.00.dwg

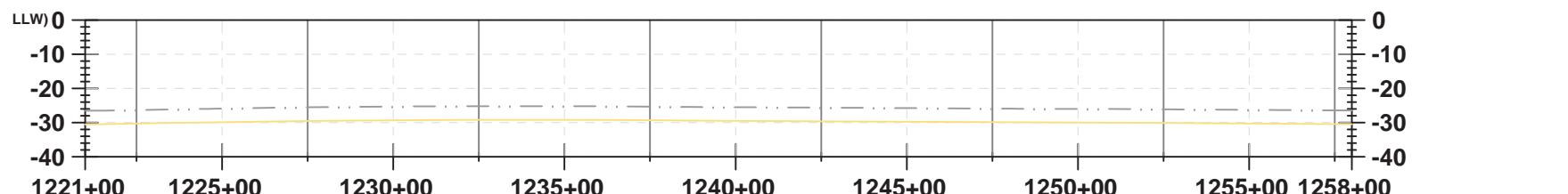
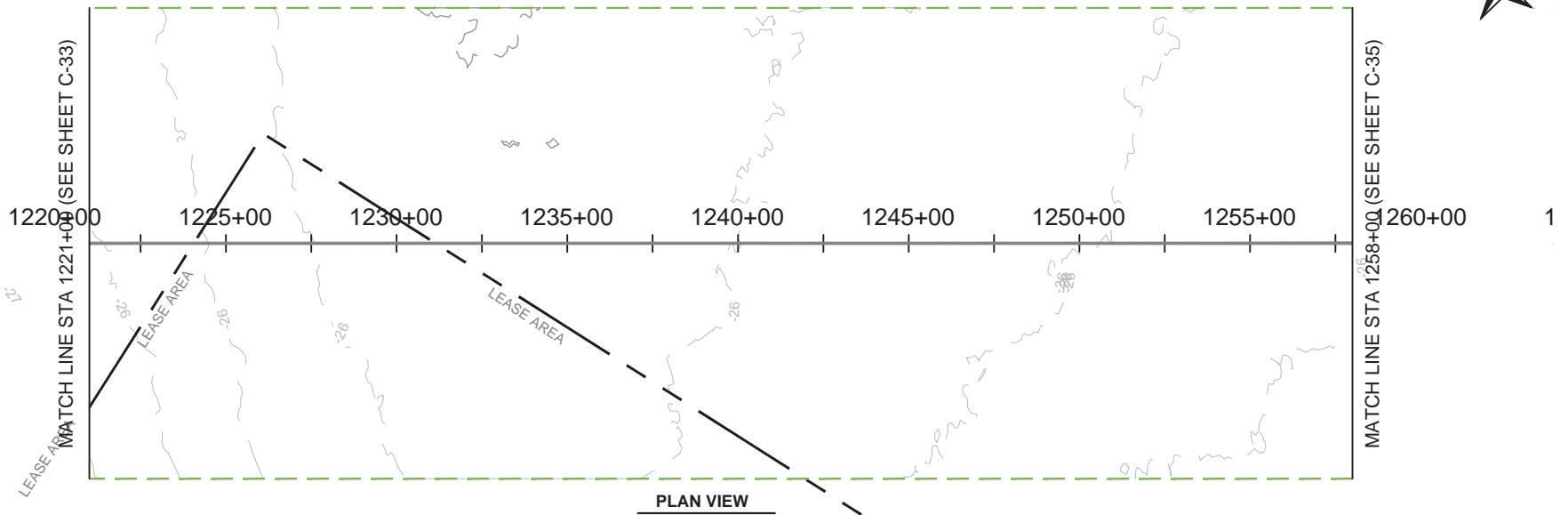
C-32

17.01.1102 - JUNGEN



<p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	<p>PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE</p> <p>TITLE: PLAN & PROFILE 1184+00.00 - 1221+00.00</p>	DRAWN BY: LC
		CHECKED BY: GR/KB
		APPROVED BY: KB
		DATE: AUGUST 2023
		PROJ. NO.: 016310.0085
		FILE: (C1) 1110+00.00 - 1480+00.00.dwg
		C-33

Version: 2017-10-21



LEGEND:

- EXISTING GRADE**
EXPORT CABLE (buried 1-3 meters)
OFFSHORE EXPORT CABLE CORRIDOR 1
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE EXPORT CABLE COMMON CORRIDOR

PROFILE VIEW

HORIZONTAL SCALE IN FEET

0 50 100

VERTICAL SCALE IN FEET

BRAUNN BY L.C.

DRAWN BY: LC

CHECKED BY: GR/KB

APPROVED BY: KB

DATE: AUGUST 2023

PROJ. NO.: 016310.0085

FILE: (C1) 1110+00.00 - 1480+00.00.dwg



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

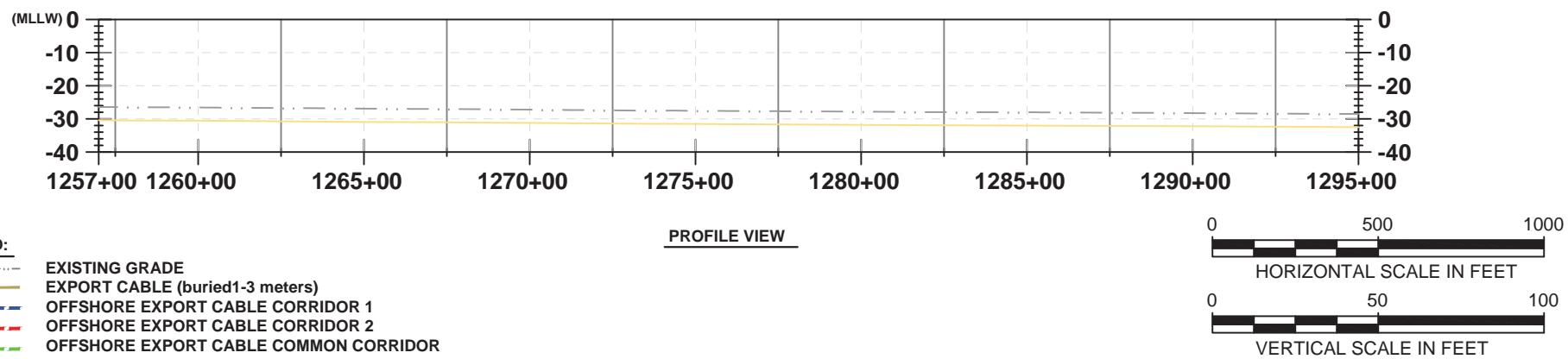
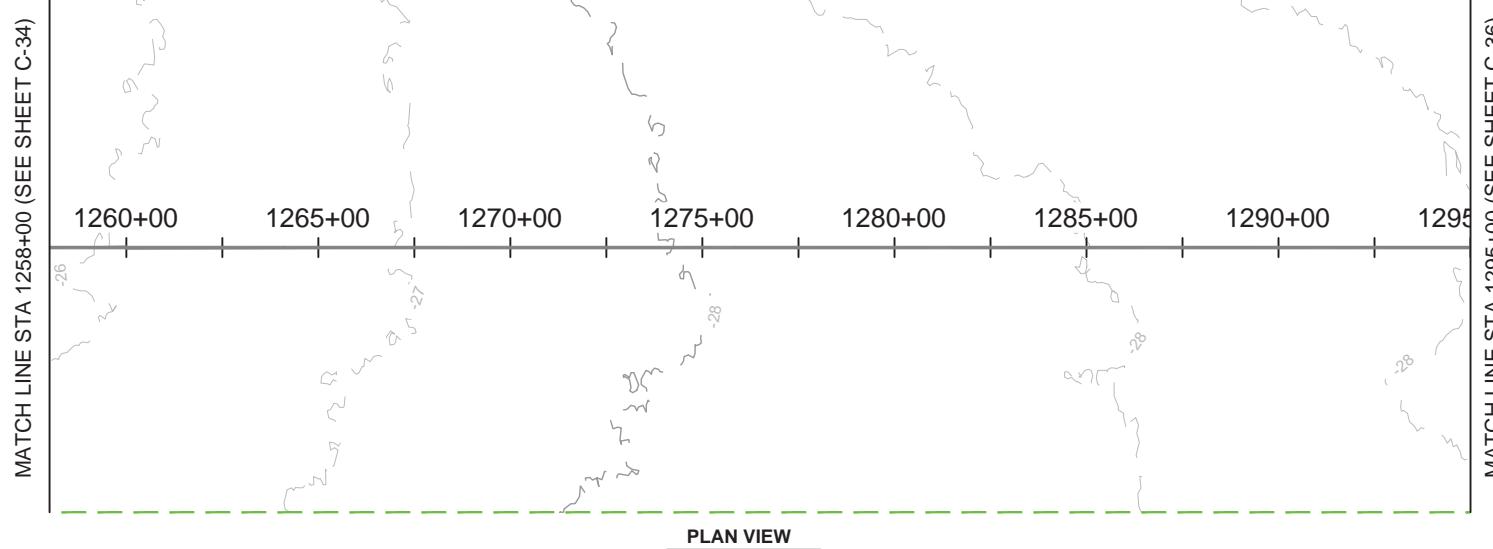
PROJECT

US WIND,INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE COMMON CORRIDOR
OFFSHORE MARYLAND AND DELAWARE

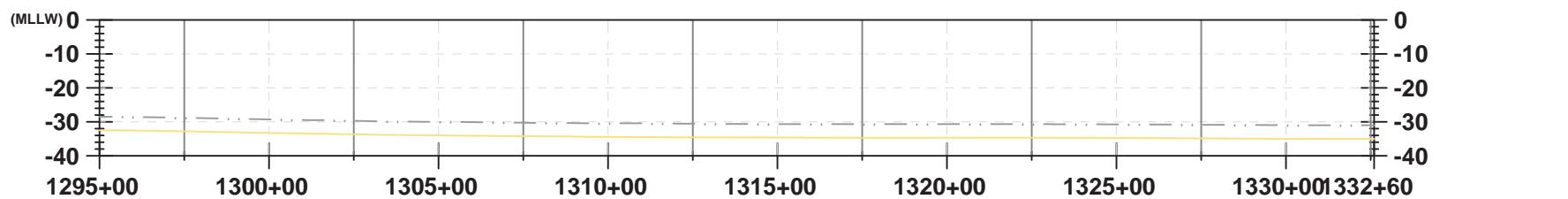
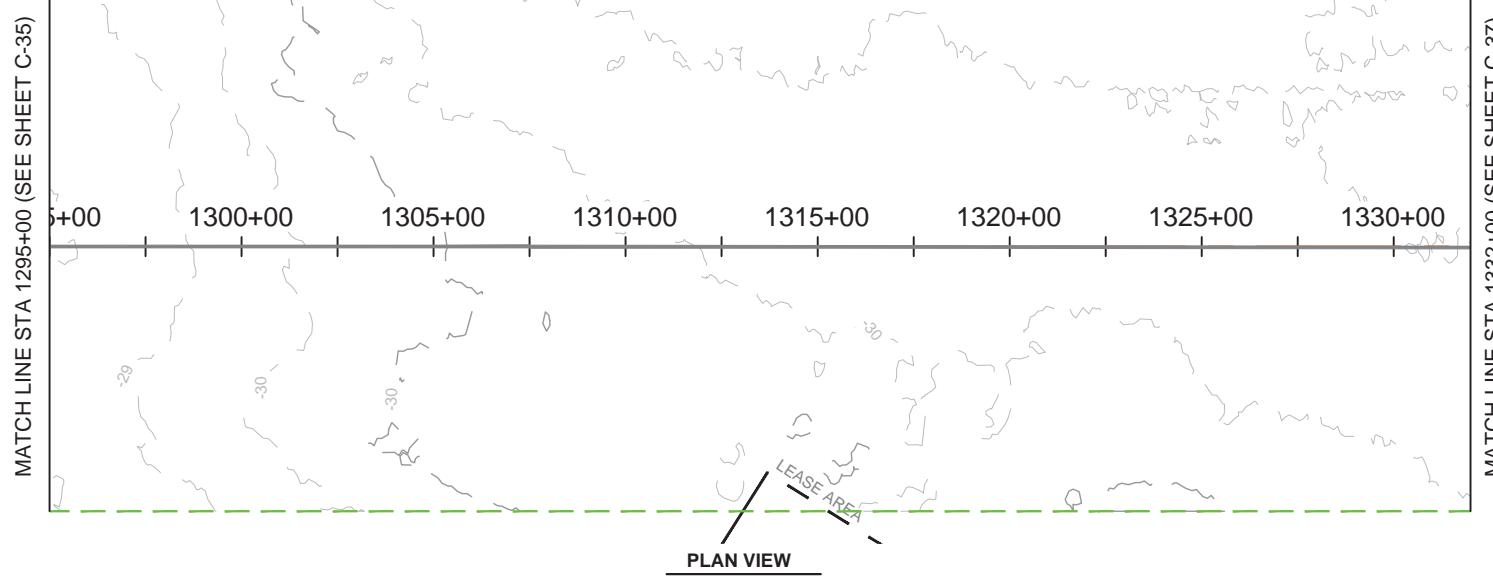
PLAN & PROFILE 1221+00.00 - 1258+00.00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 1110+00.00 - 1480+00.00.dwg

1258+00.00 - 1295+00.00



 404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706	PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE	DRAWN BY: LC CHECKED BY: GR/KB APPROVED BY: KB DATE: AUGUST 2023 PROJ. NO.: 016310.0085 FILE: (C1) 1110+00.00 - 1480+00.00.dwg
	TITLE: PLAN & PROFILE 1258+00.00 - 1295+00.00	C-35



LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

0 500 1000
HORIZONTAL SCALE IN FEET

0 50 100
VERTICAL SCALE IN FEET

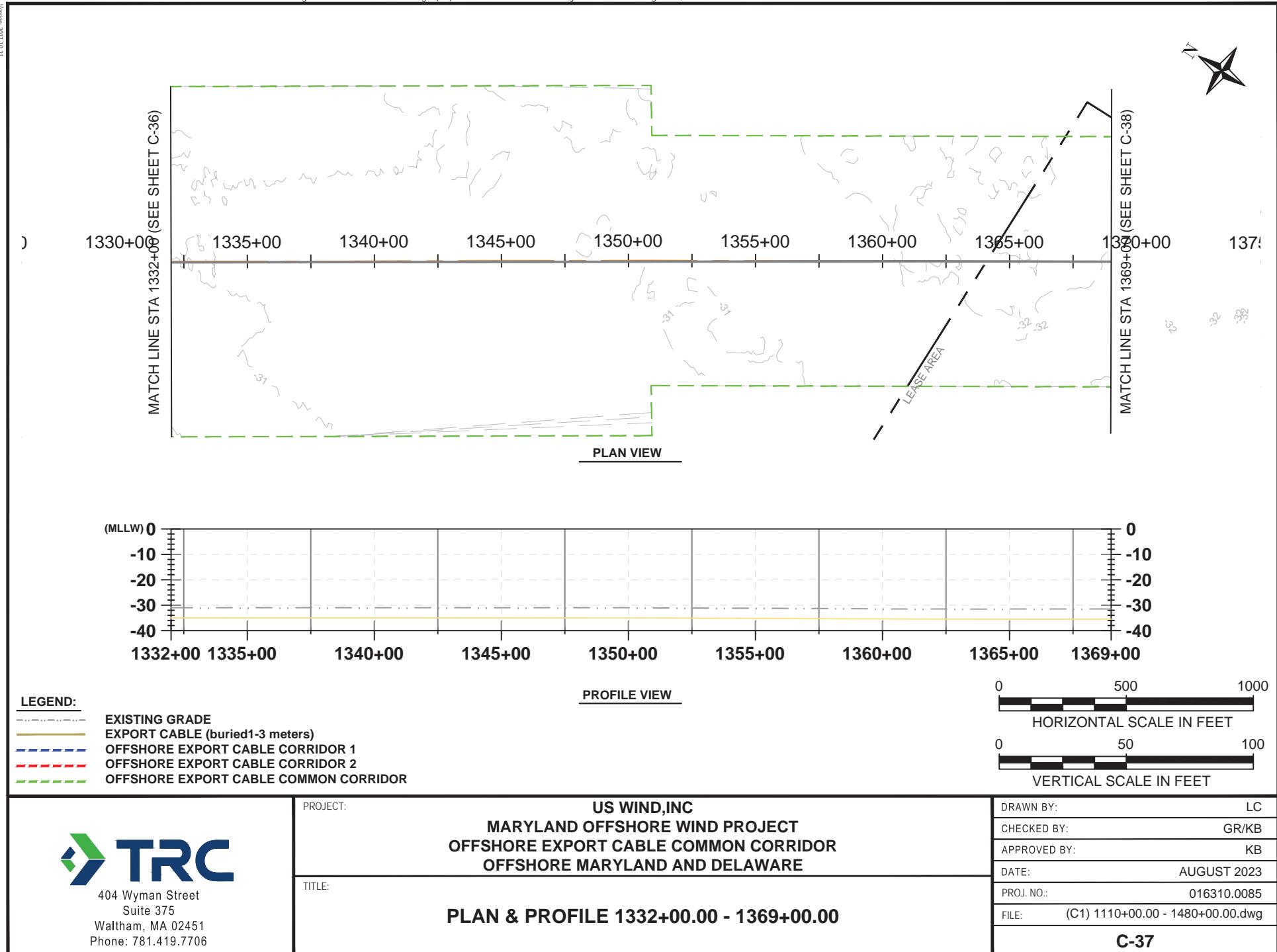
PROJECT:

US WIND, INC
 MARYLAND OFFSHORE WIND PROJECT
 OFFSHORE EXPORT CABLE COMMON CORRIDOR
 OFFSHORE MARYLAND AND DELAWARE

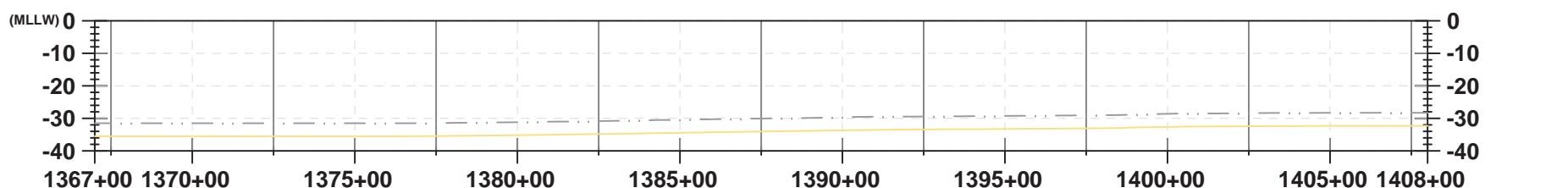
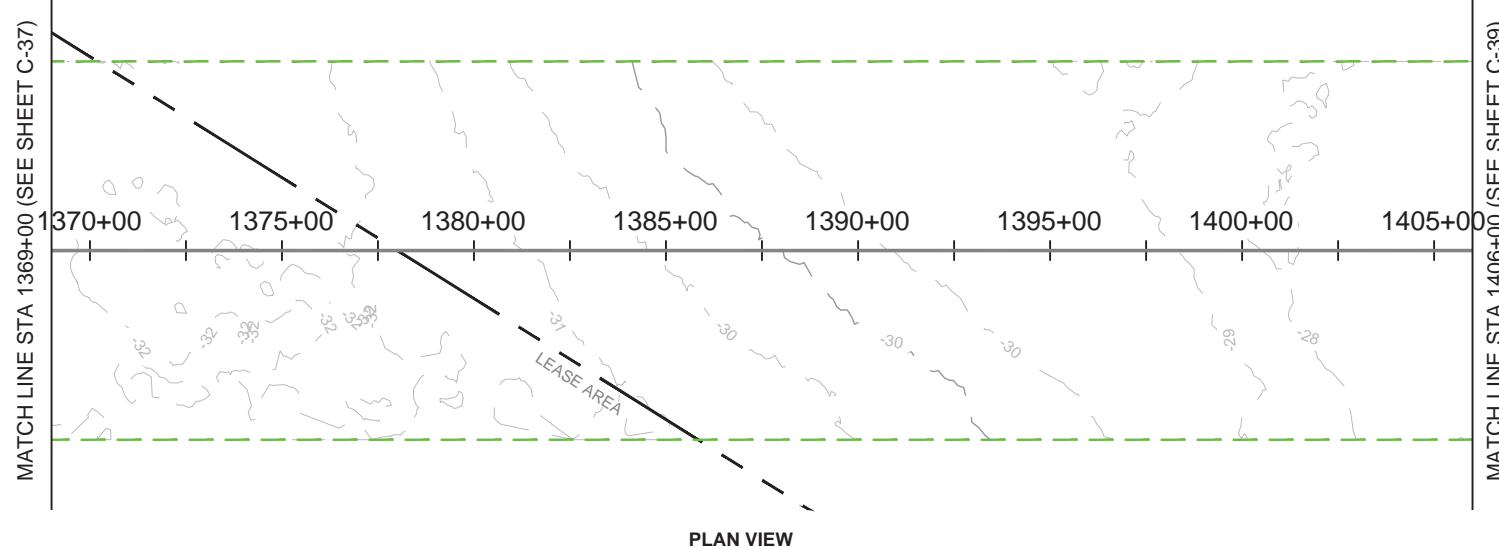
TITLE:

PLAN & PROFILE 1295+00.00 - 1332+00.00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 1110+00.00 - 1480+00.00.dwg
C-36	

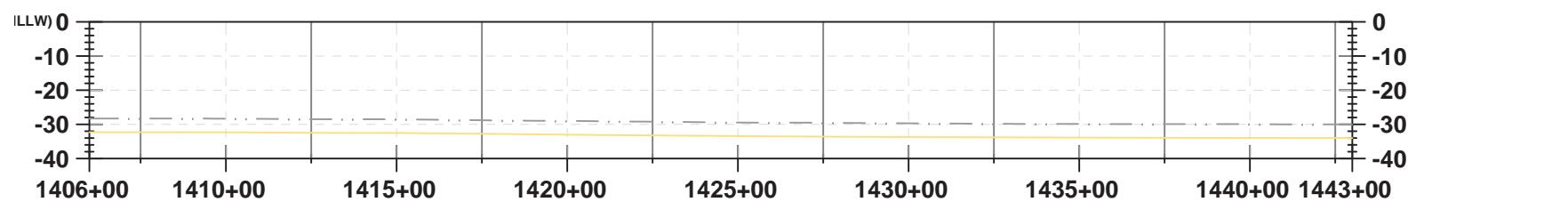
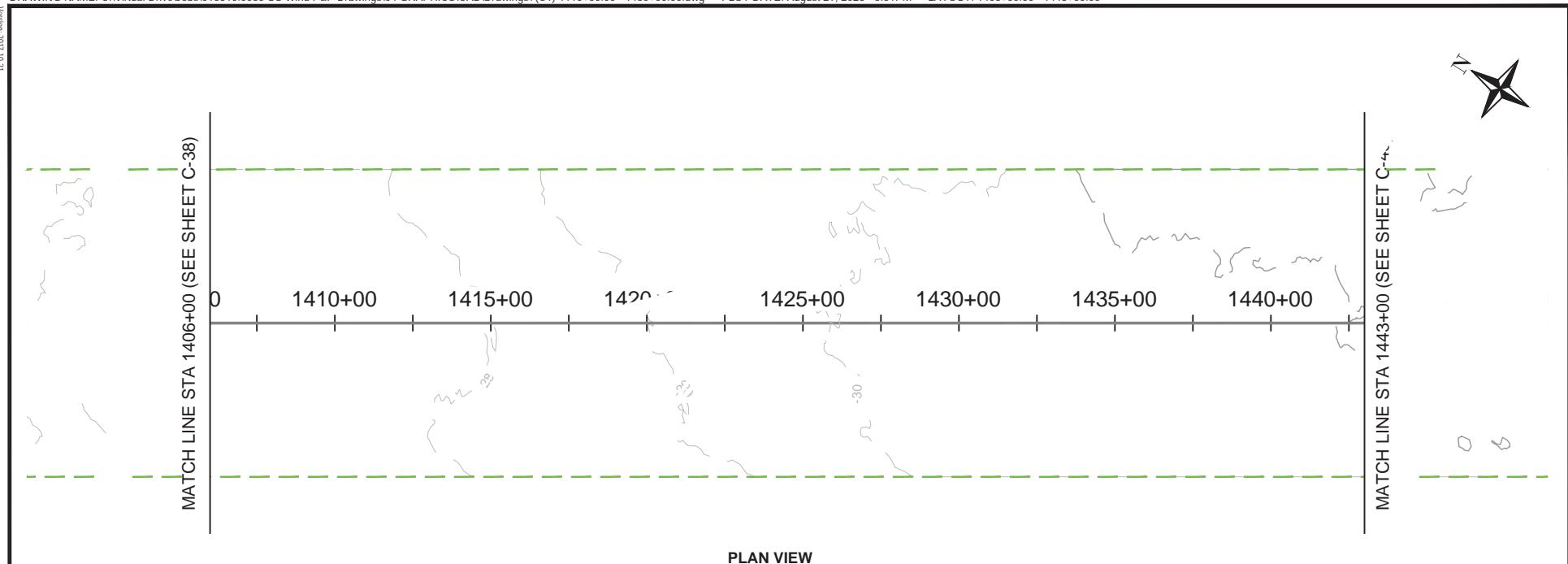


17-01-1102-JRCBEN



 404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706	PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE	DRAWN BY: LC CHECKED BY: GR/KB APPROVED BY: KB DATE: AUGUST 2023 PROJ. NO.: 016310.0085 FILE: (C1) 1110+00.00 - 1480+00.00.dwg
	TITLE: PLAN & PROFILE 1369+00.00 - 1406+00.00	C-38

17-01-1102-JRCEN



LEGEND:

- EXISTING GRADE
- EXPORT CABLE (buried 1-3 meters)
- OFFSHORE EXPORT CABLE CORRIDOR 1
- OFFSHORE EXPORT CABLE CORRIDOR 2
- OFFSHORE EXPORT CABLE COMMON CORRIDOR

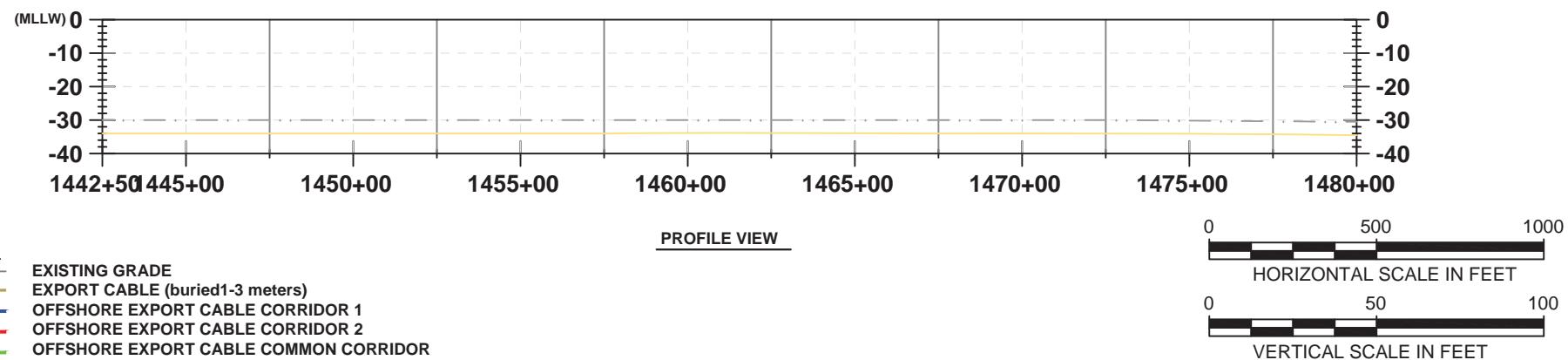
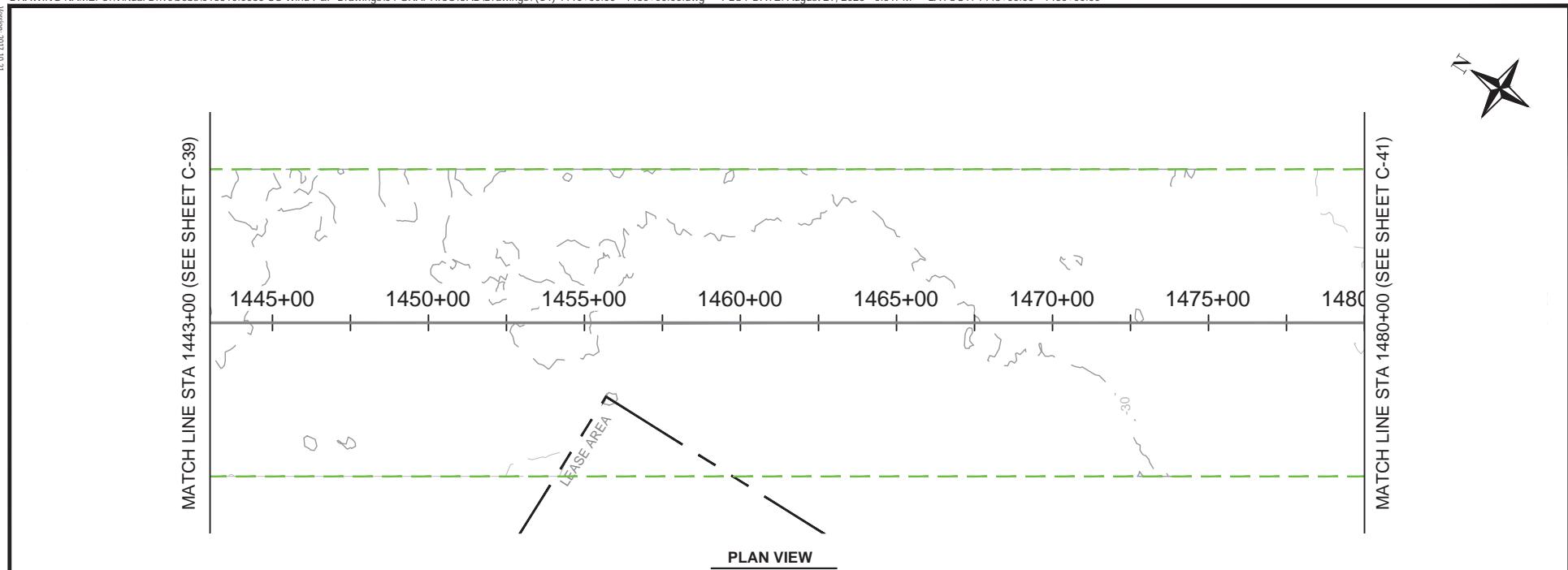
PROJECT:

US WIND, INC
 MARYLAND OFFSHORE WIND PROJECT
 OFFSHORE EXPORT CABLE COMMON CORRIDOR
 OFFSHORE MARYLAND AND DELAWARE

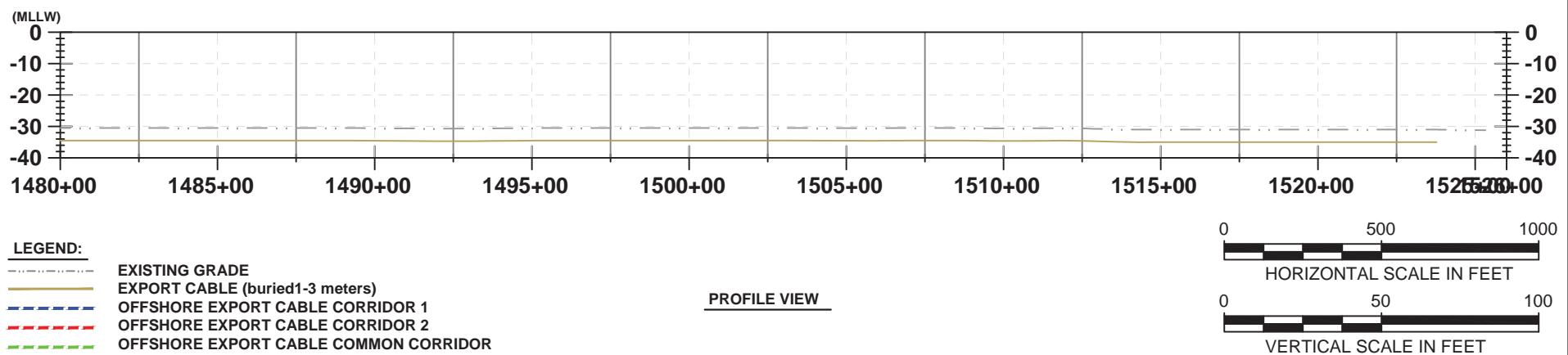
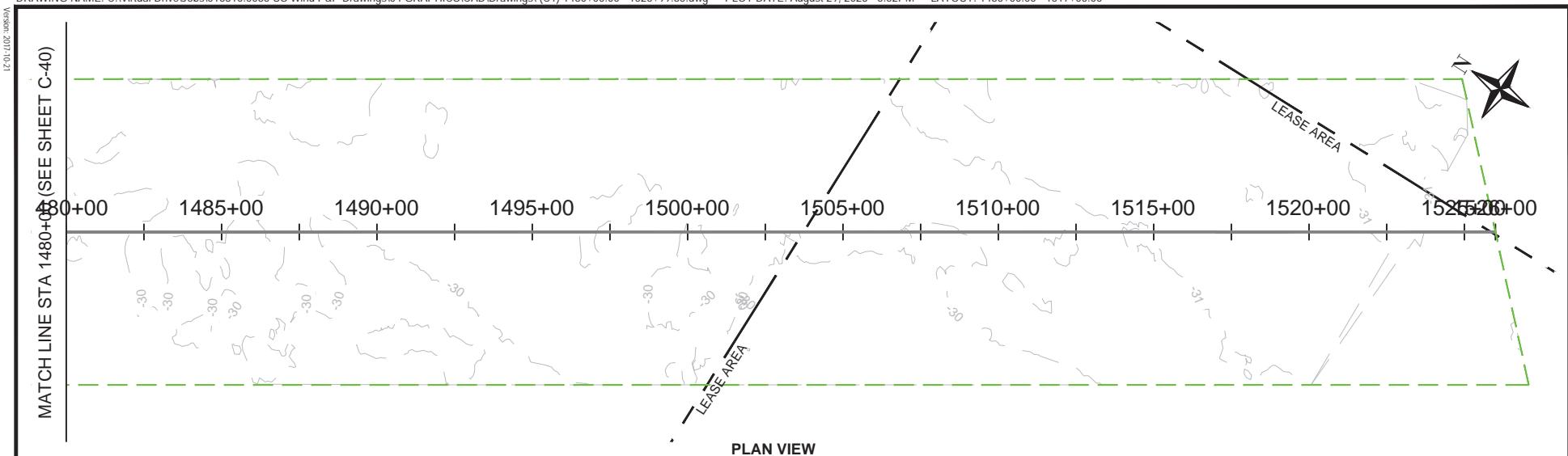
TITLE:

PLAN & PROFILE 1406+00.00 - 1443+00.00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C1) 1110+00.00 - 1480+00.00.dwg
C-39	

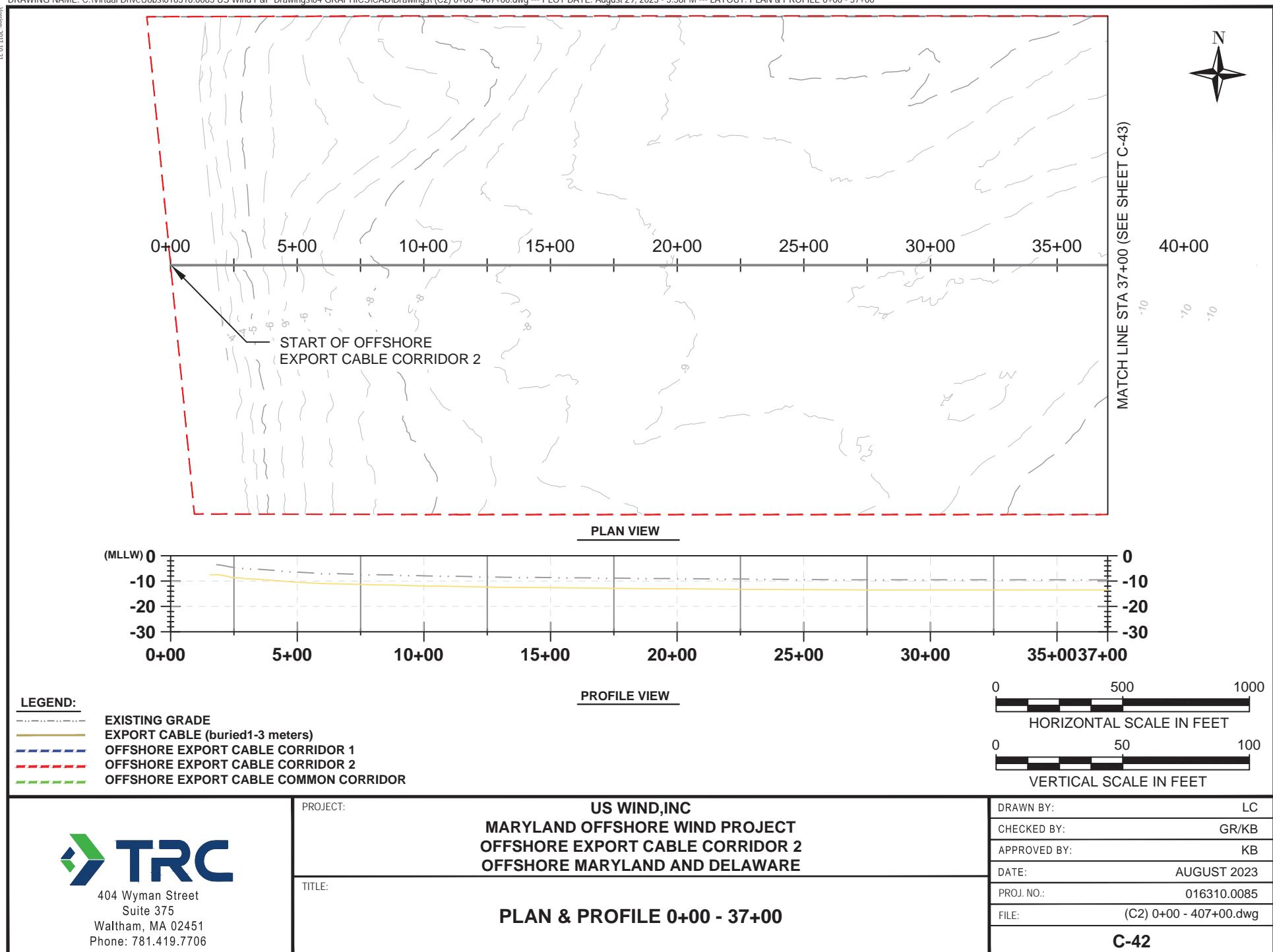


<p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	<p>PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE</p> <p>TITLE: PLAN & PROFILE 1443+00.00 - 1480+00.00</p>	<p>DRAWN BY: LC</p> <p>CHECKED BY: GR/KB</p> <p>APPROVED BY: KB</p> <p>DATE: AUGUST 2023</p> <p>PROJ. NO.: 016310.0085</p> <p>FILE: (C1) 1110+00.00 - 1480+00.00.dwg</p>
		C-40

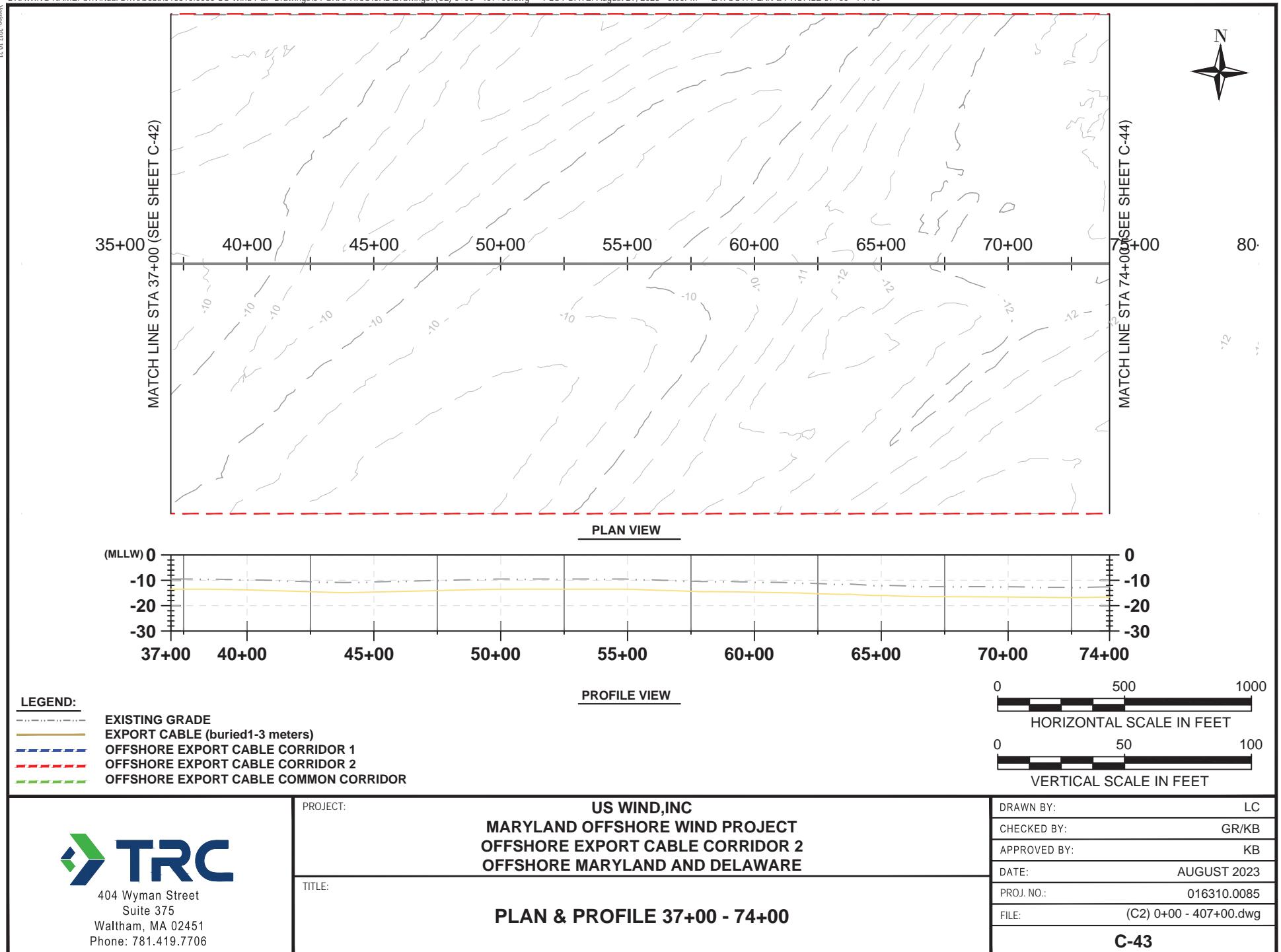


<p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	<p>PROJECT: US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE COMMON CORRIDOR OFFSHORE MARYLAND AND DELAWARE</p> <p>TITLE: PLAN & PROFILE 1480+00.00 - 1526+99.85</p>	<p>DRAWN BY: LC</p> <p>CHECKED BY: GR/KB</p> <p>APPROVED BY: KB</p> <p>DATE: AUGUST 2023</p> <p>PROJ. NO.: 016310.0085</p> <p>FILE: (C1) 1480+00.00 - 1525+99.85.dwg</p>
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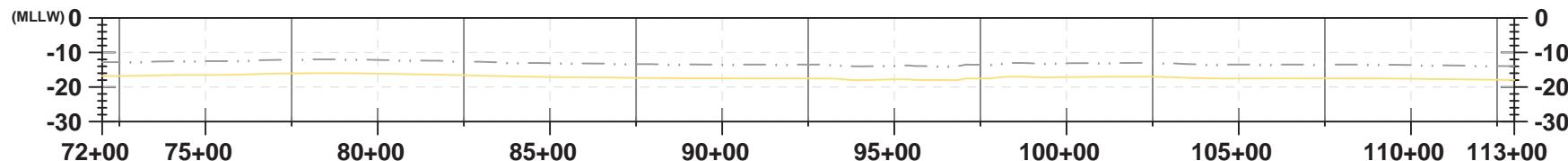
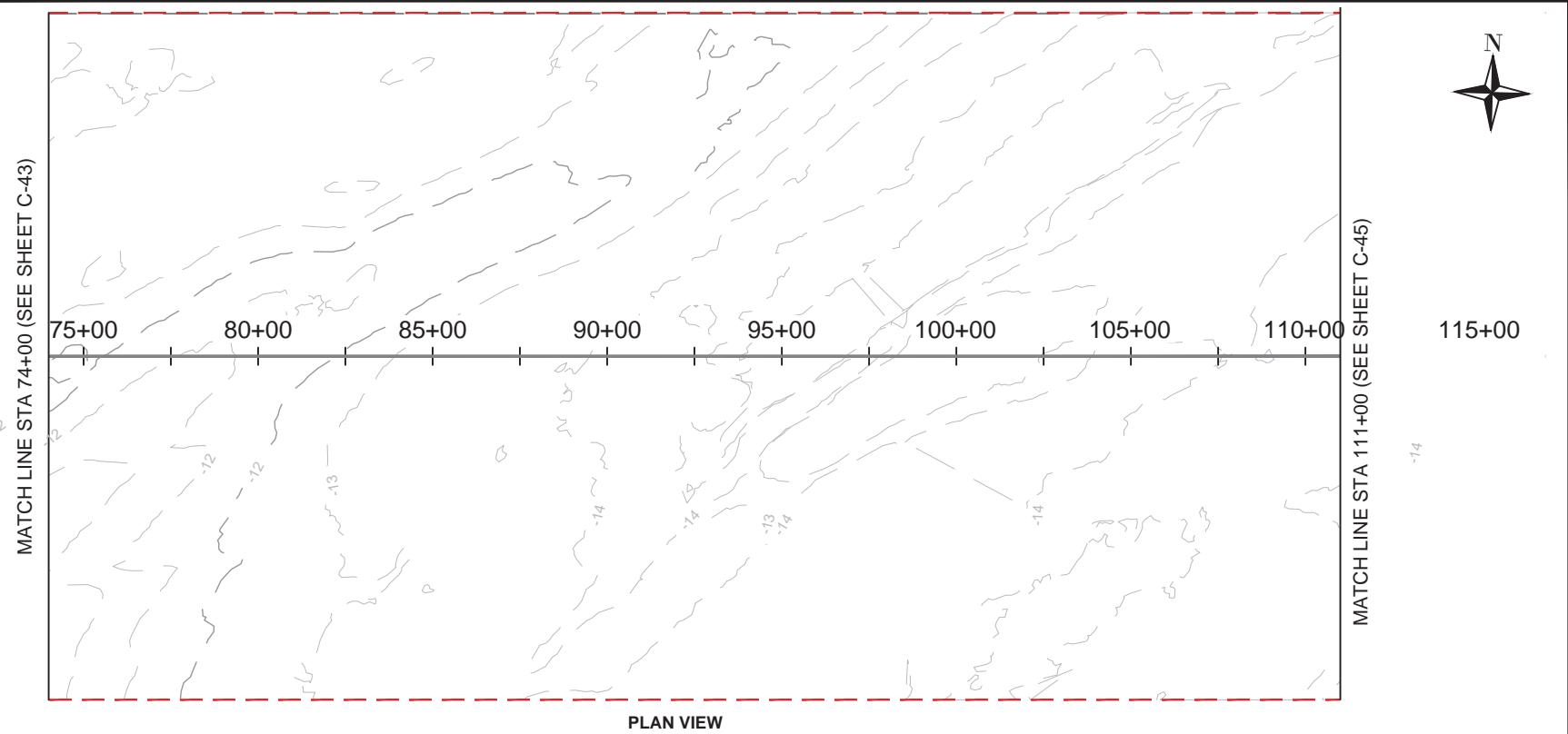
Version: 2011.01.01



12-01-1102-JRCEN

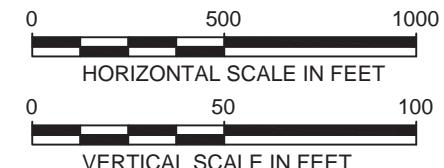


12-01-1102-JRCEN



- LEGEND:**
- Existing Grade
 - Export Cable (buried 1-3 meters)
 - - - Offshore Export Cable Corridor 1
 - - - Offshore Export Cable Corridor 2
 - - - Offshore Export Cable Common Corridor

PROFILE VIEW



PROJECT:

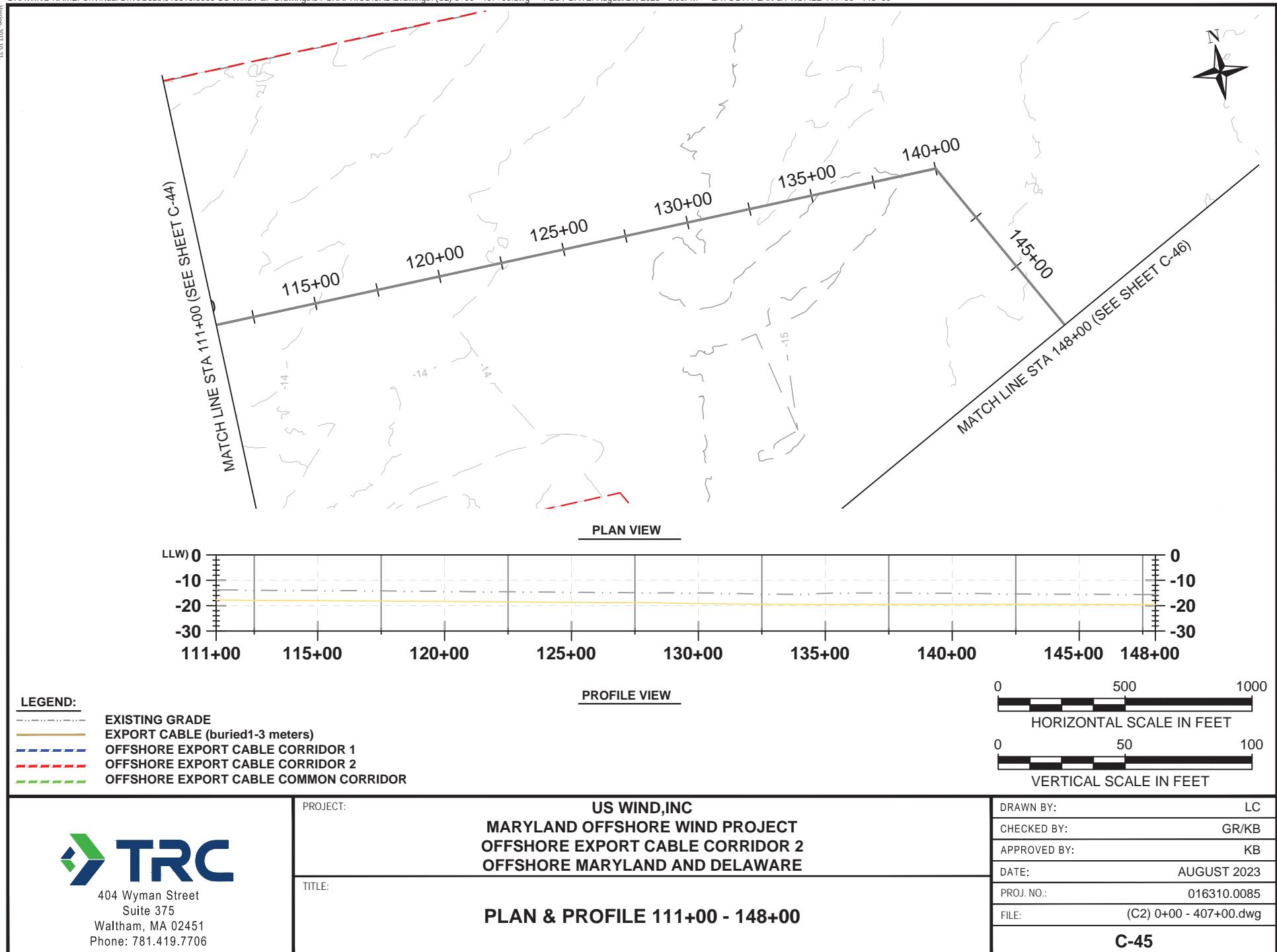
US WIND, INC
 MARYLAND OFFSHORE WIND PROJECT
 OFFSHORE EXPORT CABLE CORRIDOR 2
 OFFSHORE MARYLAND AND DELAWARE

TITLE:

PLAN & PROFILE 74+00 - 111+00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 0+00 - 407+00.dwg
C-44	

Version: 2021.01.17



17-01-1102-JRCEN

MATCH LINE STA 148+00 (SEE SHEET C-45)

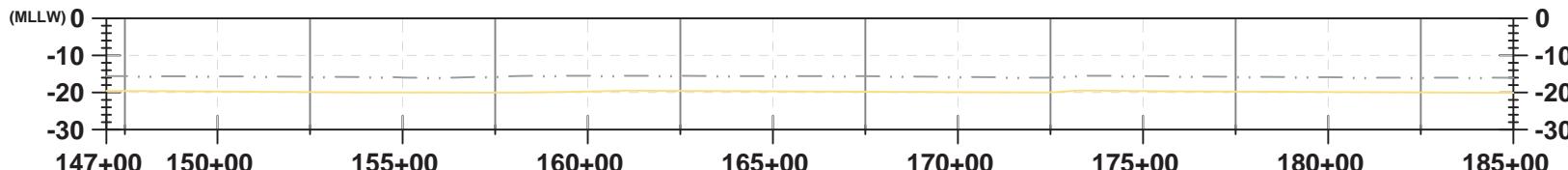
150+00 155+00 160+00 165+00 170+00 175+00 180+00 185

MATCH LINE STA 185+00 (SEE SHEET C-47)



BORROW AREA B (ACTIVE)

PLAN VIEW



PROFILE VIEW

LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- Offshore Export Cable Corridor 1
- Offshore Export Cable Corridor 2
- Offshore Export Cable Common Corridor



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

PROJECT:

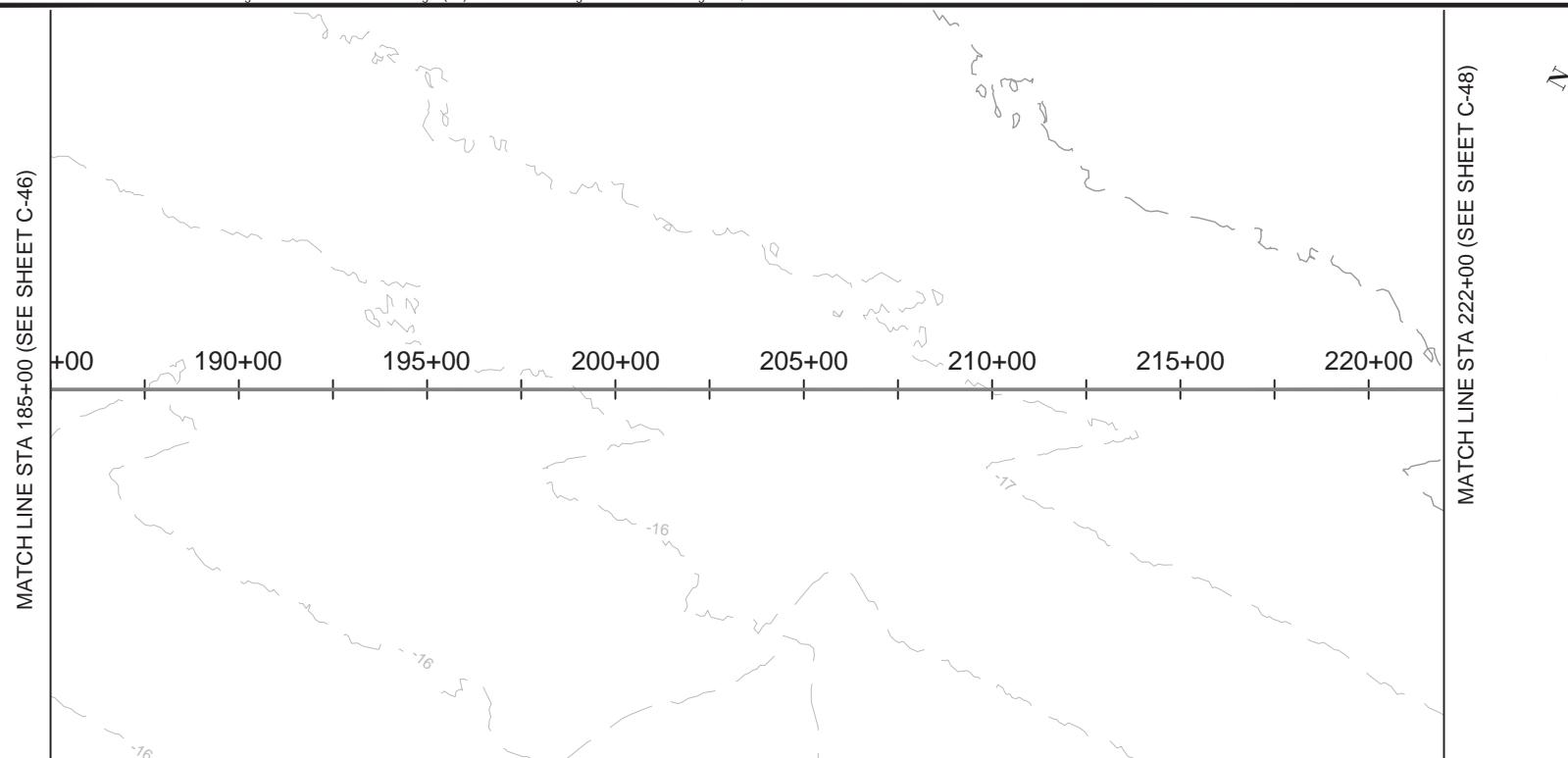
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE MARYLAND AND DELAWARE

TITLE:

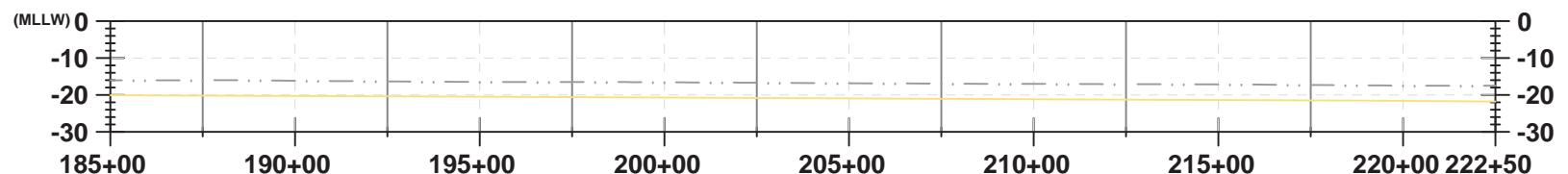
PLAN & PROFILE 148+00 - 185+00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 0+00 - 407+00.dwg
C-46	

12-01-1102-JRCEN



PLAN VIEW



PROFILE VIEW

LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

0 500 1000
HORIZONTAL SCALE IN FEET

0 50 100
VERTICAL SCALE IN FEET

PROJECT:

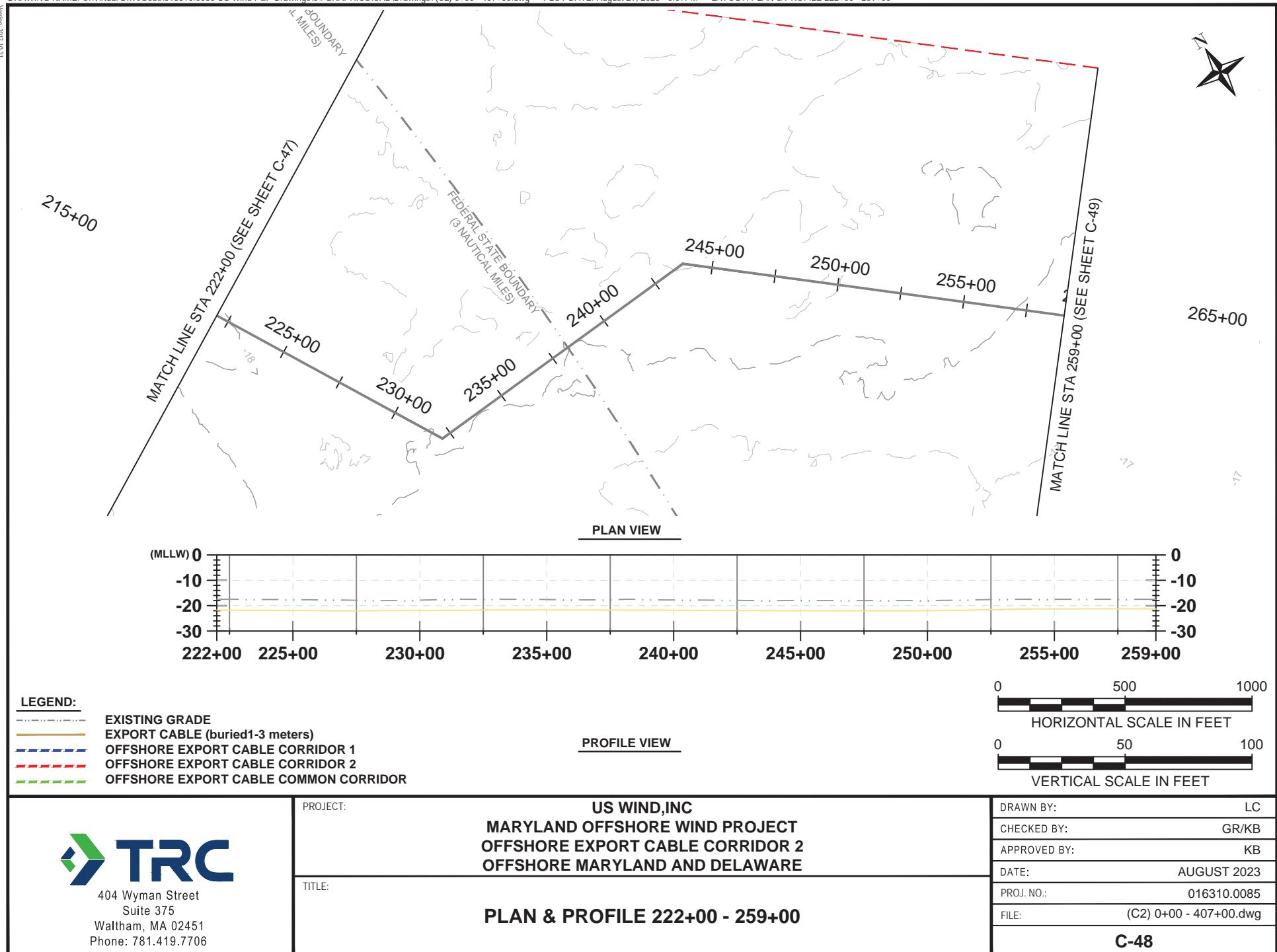
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE MARYLAND AND DELAWARE

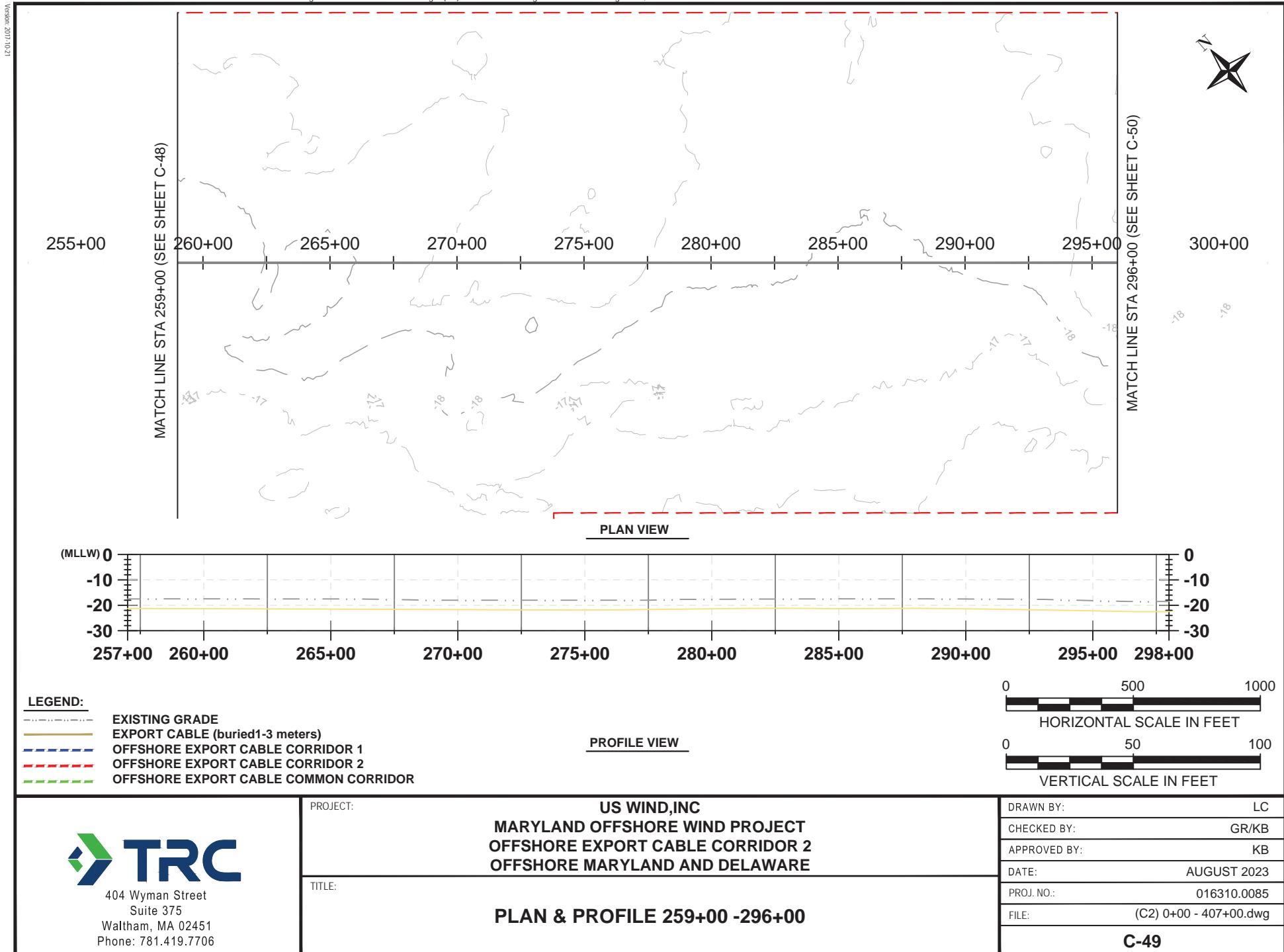
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PLAN & PROFILE 185+00 - 222+00

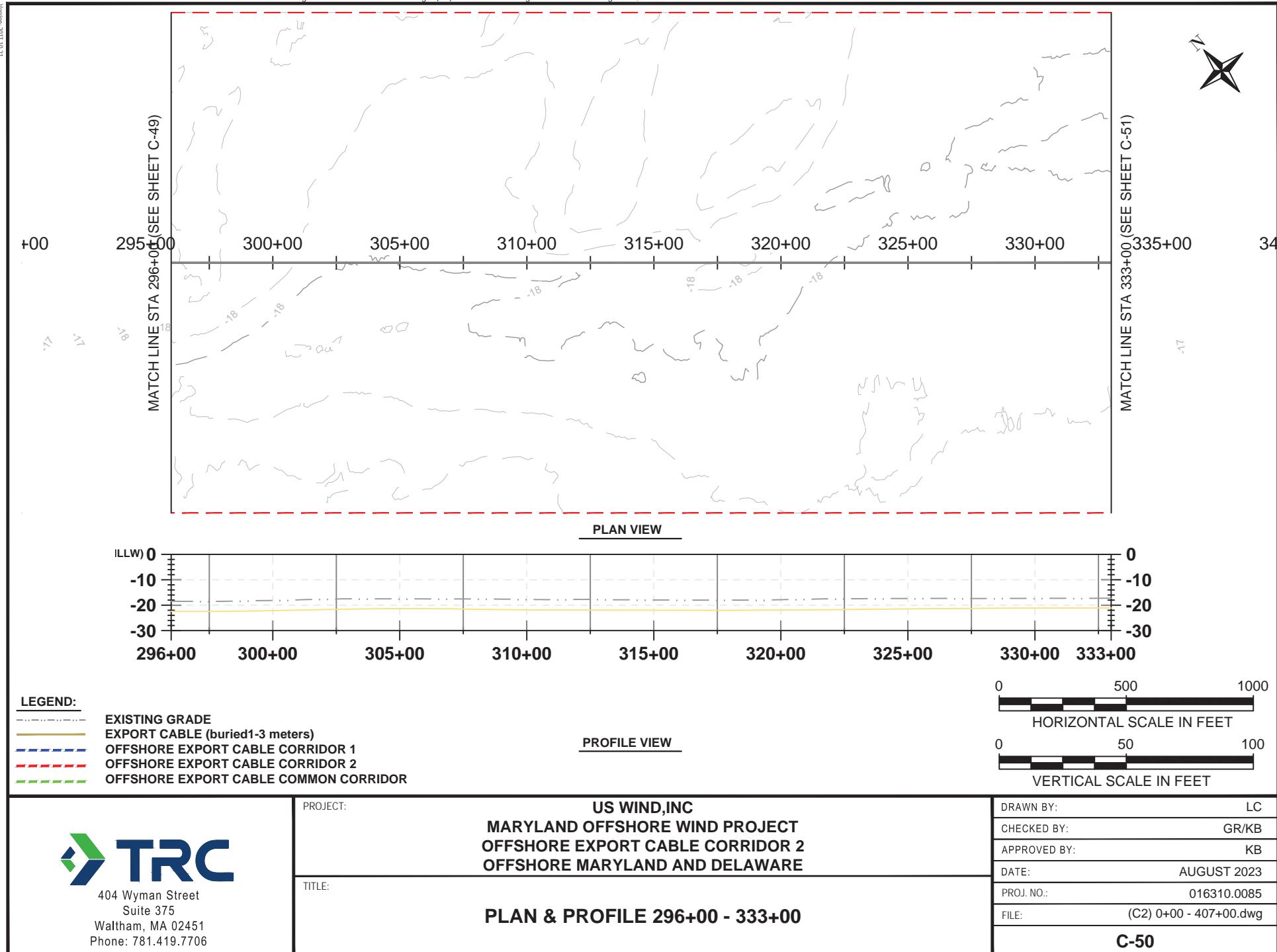
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CHECKED BY:	GR/KB
APPROVED BY:	KB
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FILE:	(C2) 0+00 - 407+00.dwg
C-47	

Version: 2011.02.1

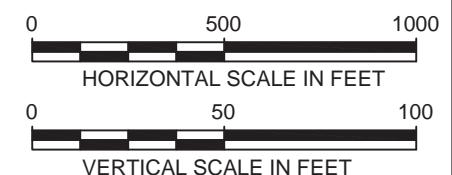
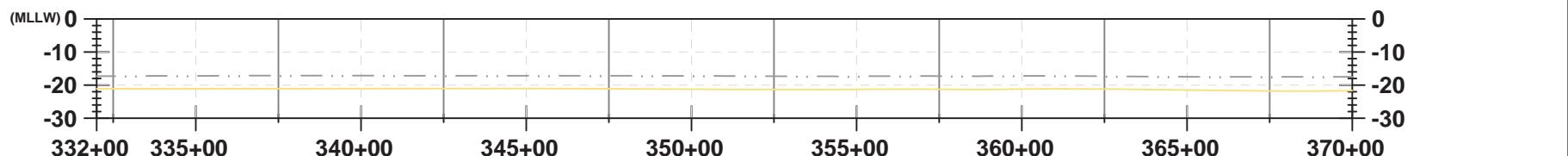
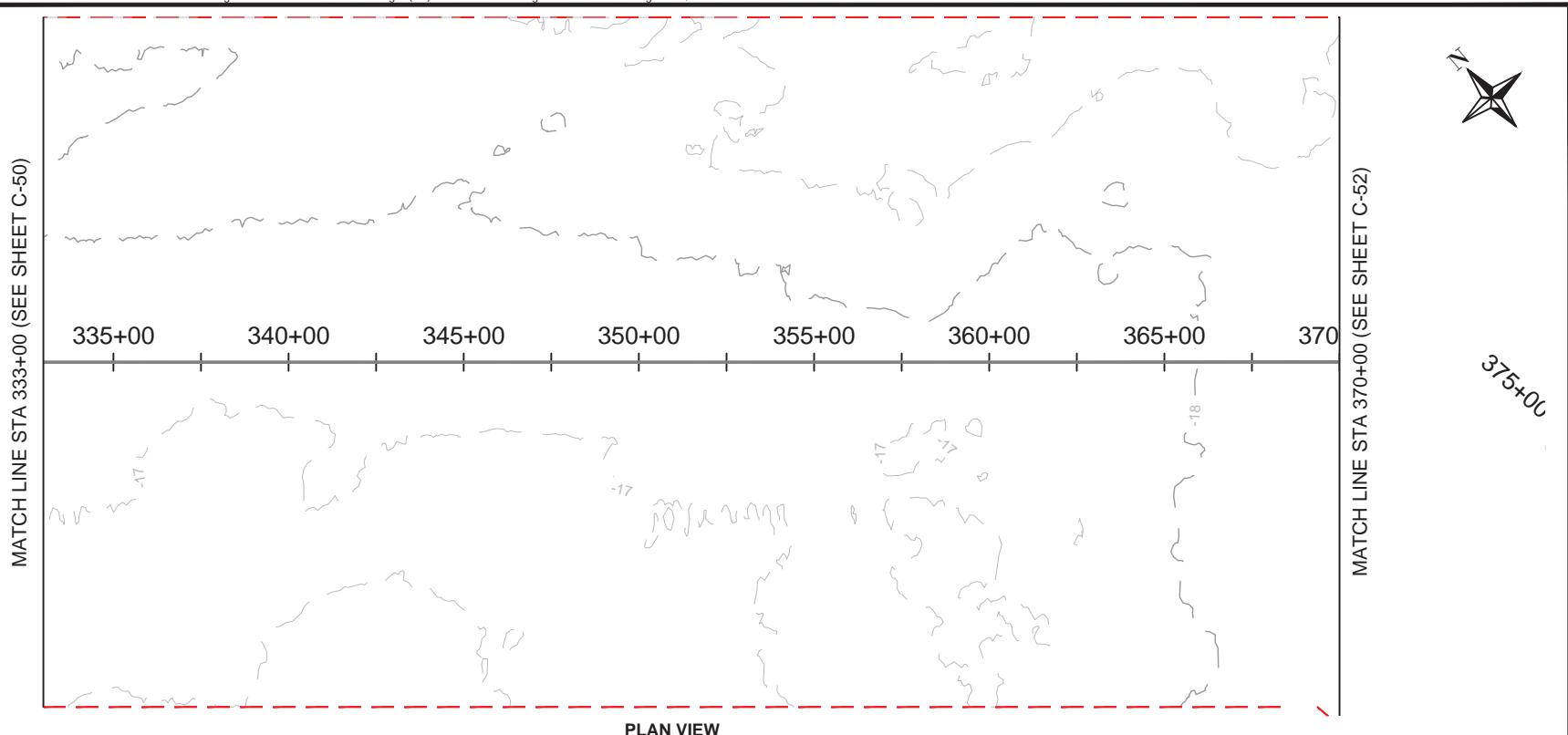




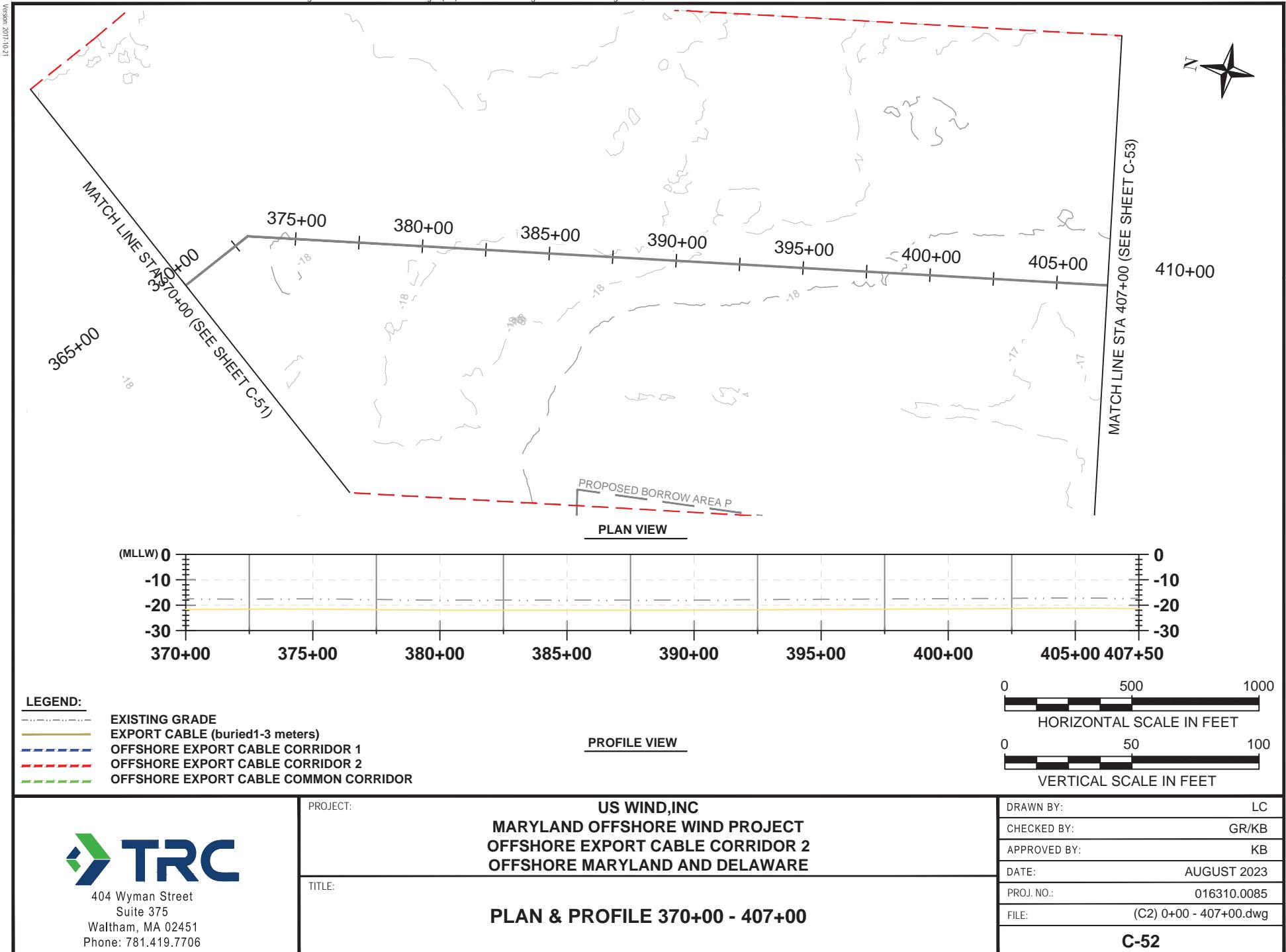
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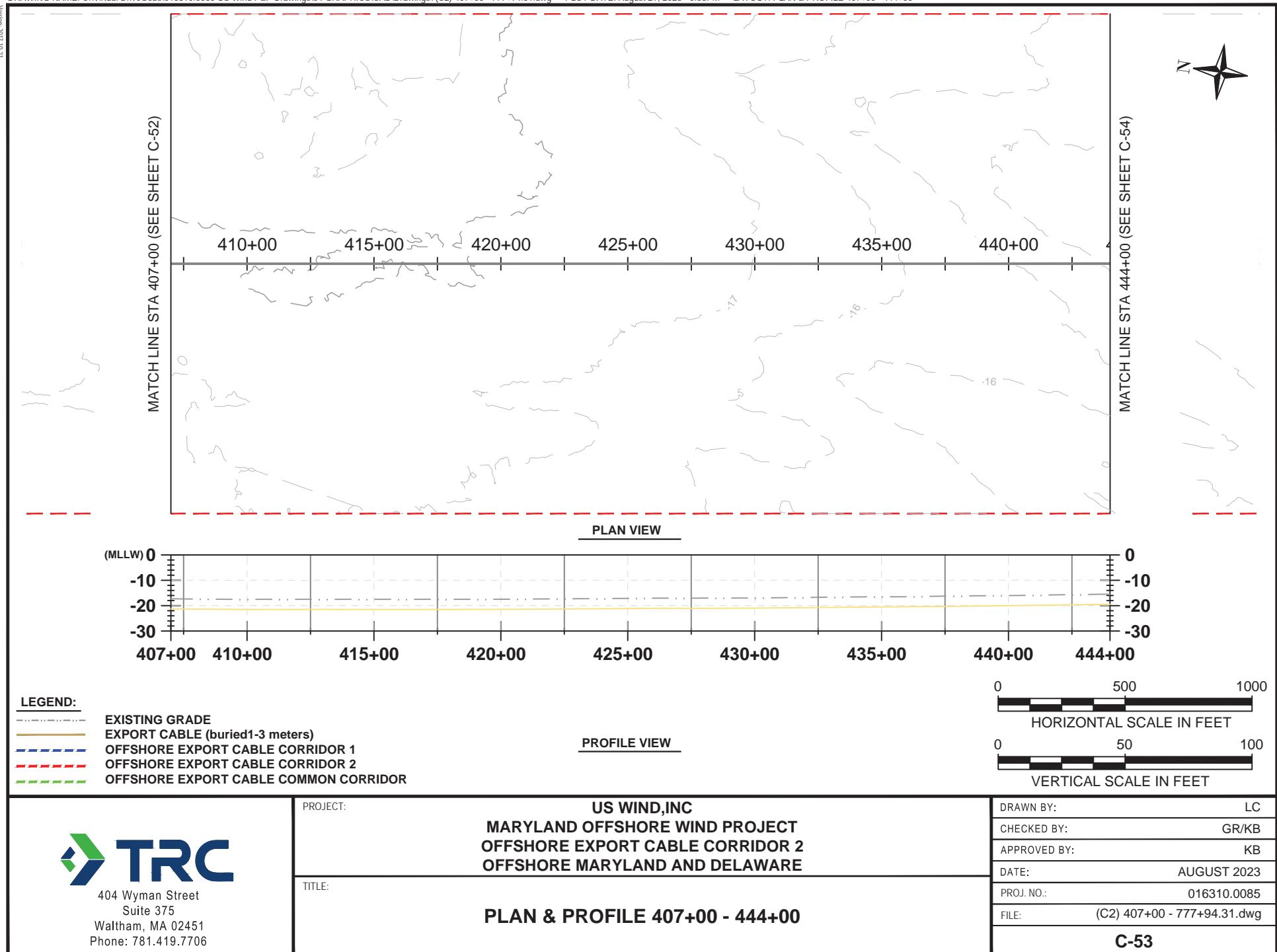
17-011 LOC - JUNGEN



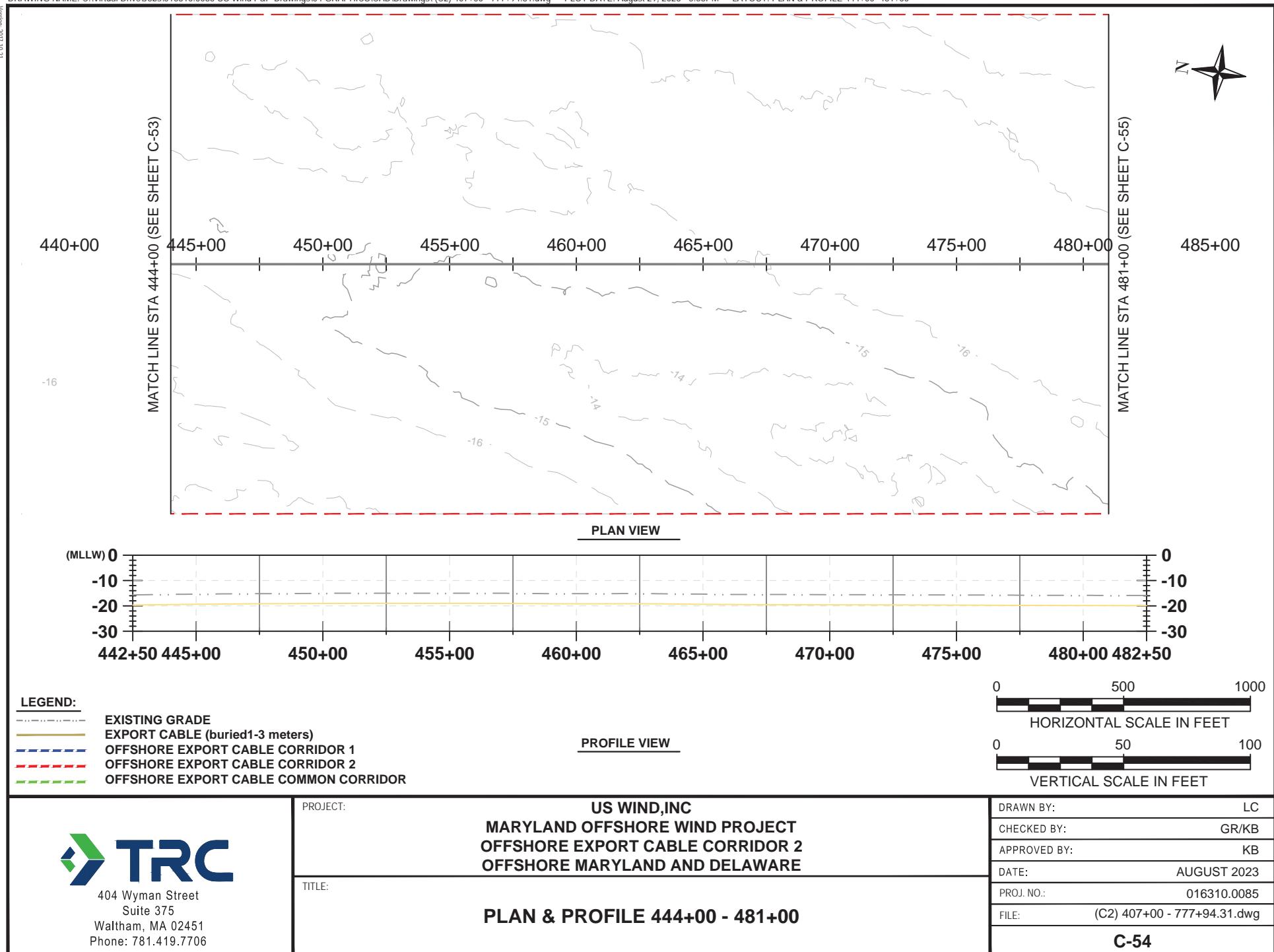
 <p>404 Wyman Street Suite 375 Waltham, MA 02451 Phone: 781.419.7706</p>	PROJECT:	US WIND, INC MARYLAND OFFSHORE WIND PROJECT OFFSHORE EXPORT CABLE CORRIDOR 2 OFFSHORE MARYLAND AND DELAWARE	DRAWN BY: LC
	TITLE:	PLAN & PROFILE 333+00 - 370+00	CHECKED BY: GR/KB APPROVED BY: KB DATE: AUGUST 2023 PROJ. NO.: 016310.0085 FILE: (C2) 0+00 - 407+00.dwg
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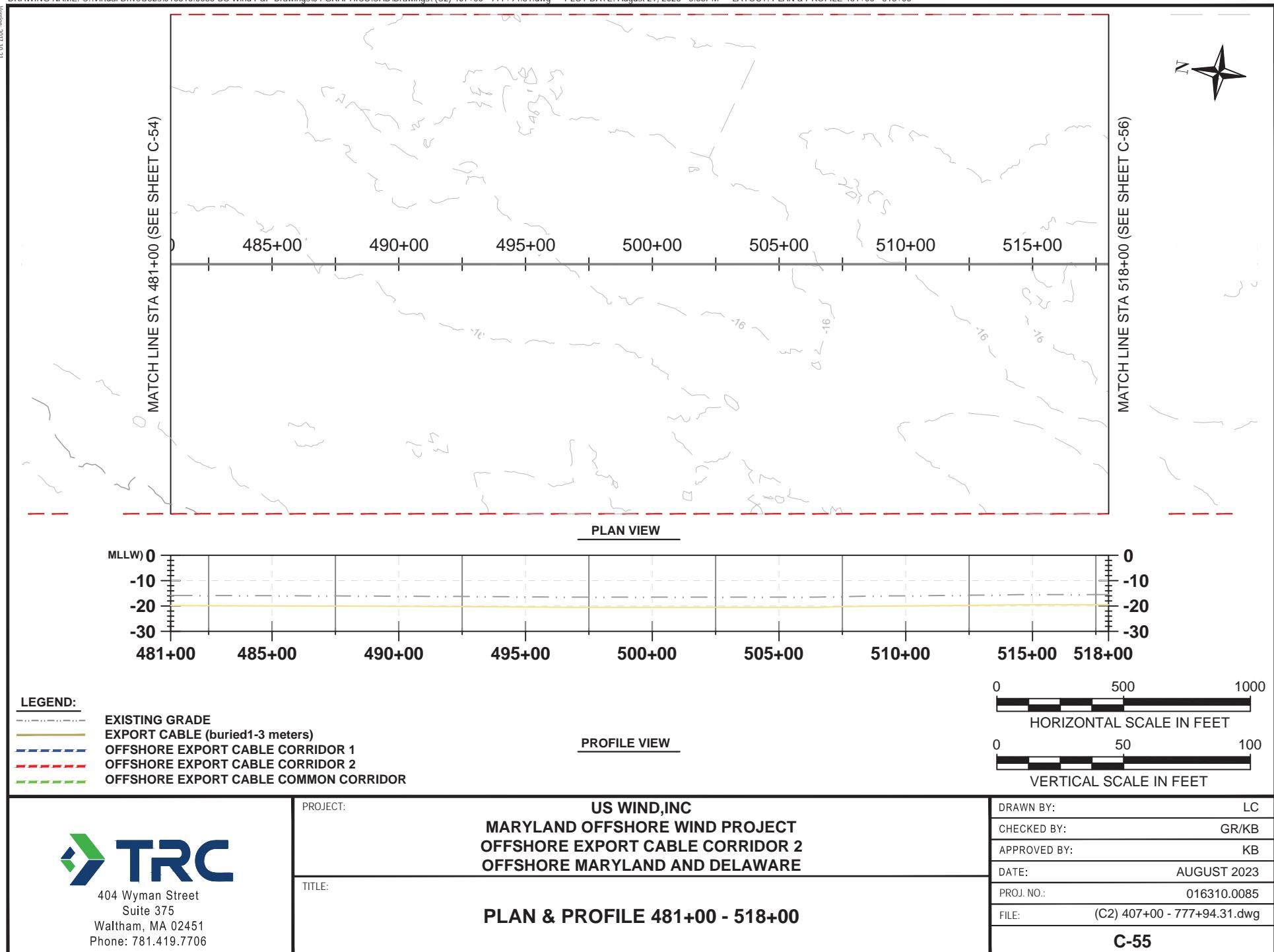
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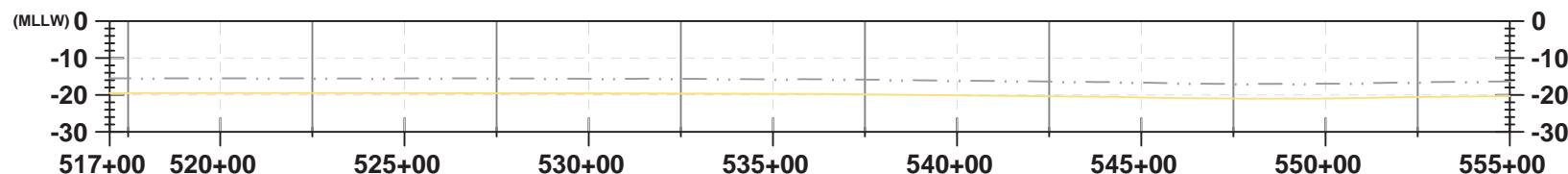
12-01-1102-JRCEN



12-01-1102-JRCEN



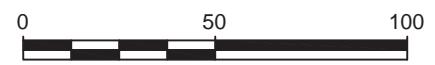
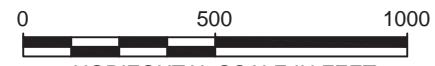
12-01-1102-LCOOK



LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

PROFILE VIEW



PROJECT:

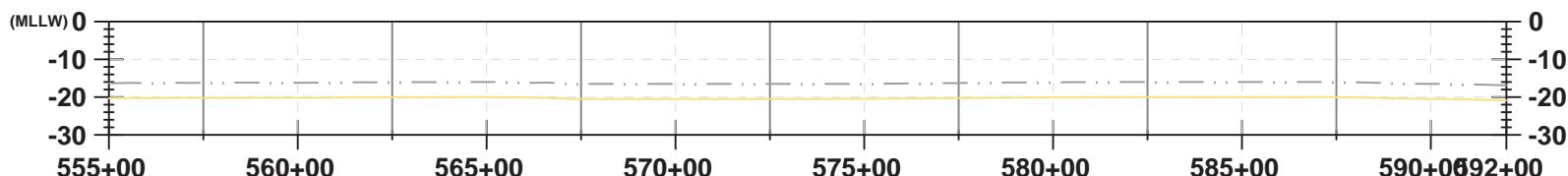
US WIND, INC
 MARYLAND OFFSHORE WIND PROJECT
 OFFSHORE EXPORT CABLE CORRIDOR 2
 OFFSHORE MARYLAND AND DELAWARE

TITLE:

PLAN & PROFILE 518+00 - 555+00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 407+00 - 777+94.31.dwg
C-56	

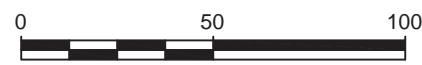
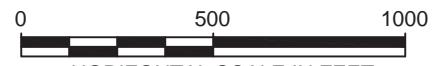
12-01-1102-LCOOK



LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

PROFILE VIEW



PROJECT:

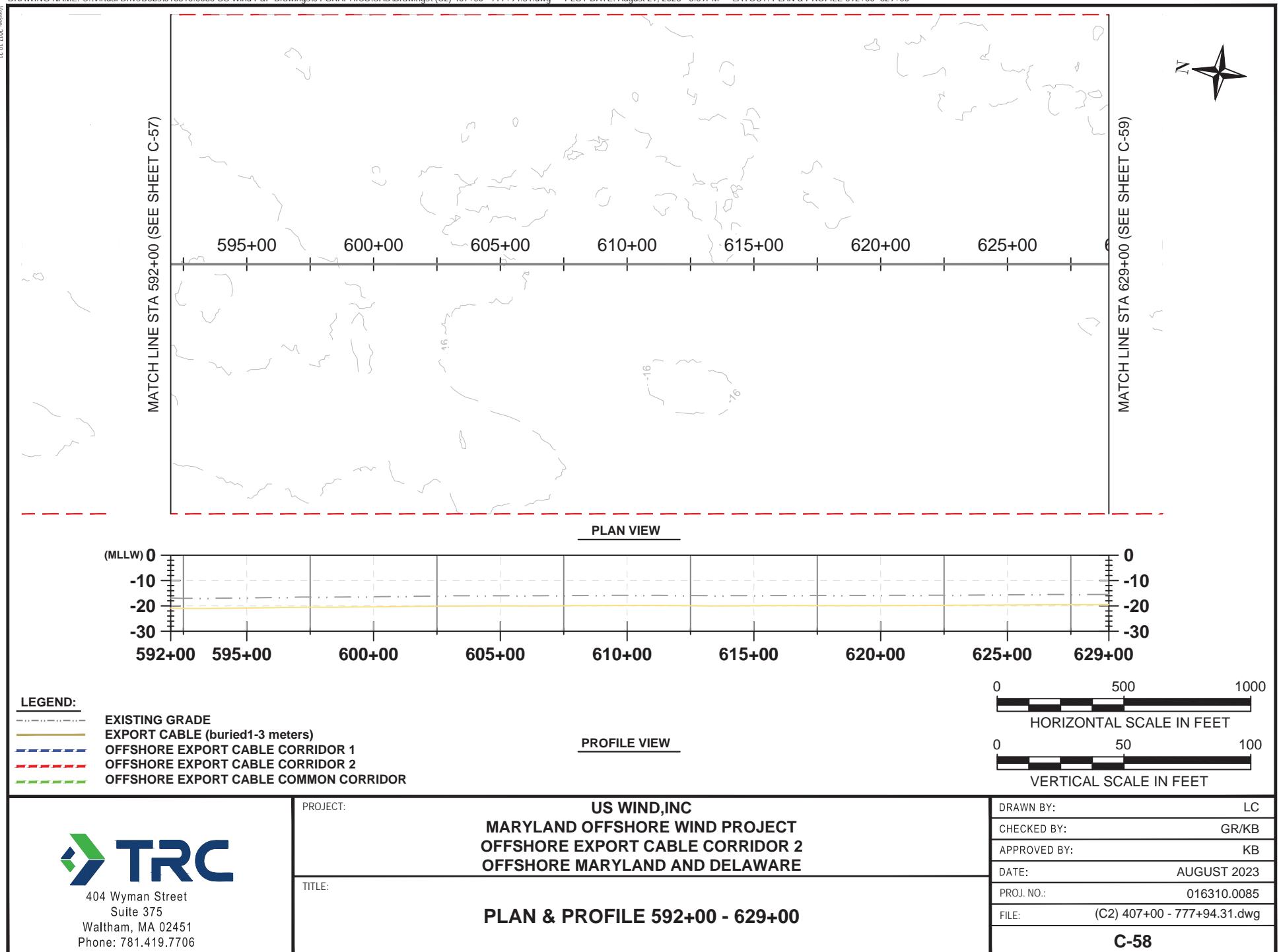
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE MARYLAND AND DELAWARE

TITLE:

PLAN & PROFILE 555+00 - 592+00

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 407+00 - 777+94.31.dwg
C-57	

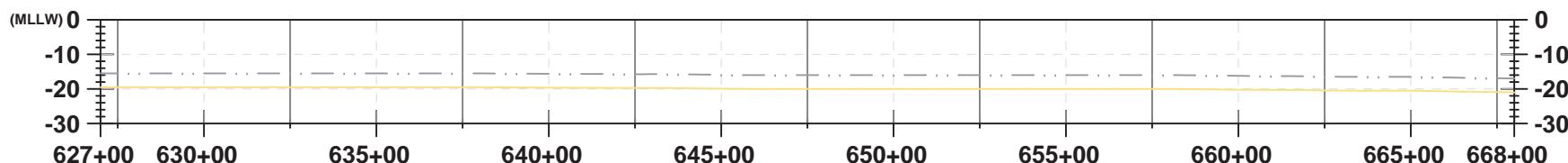
12-01-1102-JRCEN



12-01-1102-JRCEN



PLAN VIEW



PROFILE VIEW

LEGEND:

- EXISTING GRADE
- EXPORT CABLE (buried 1-3 meters)
- OFFSHORE EXPORT CABLE CORRIDOR 1
- OFFSHORE EXPORT CABLE CORRIDOR 2
- OFFSHORE EXPORT CABLE COMMON CORRIDOR

PROJECT:

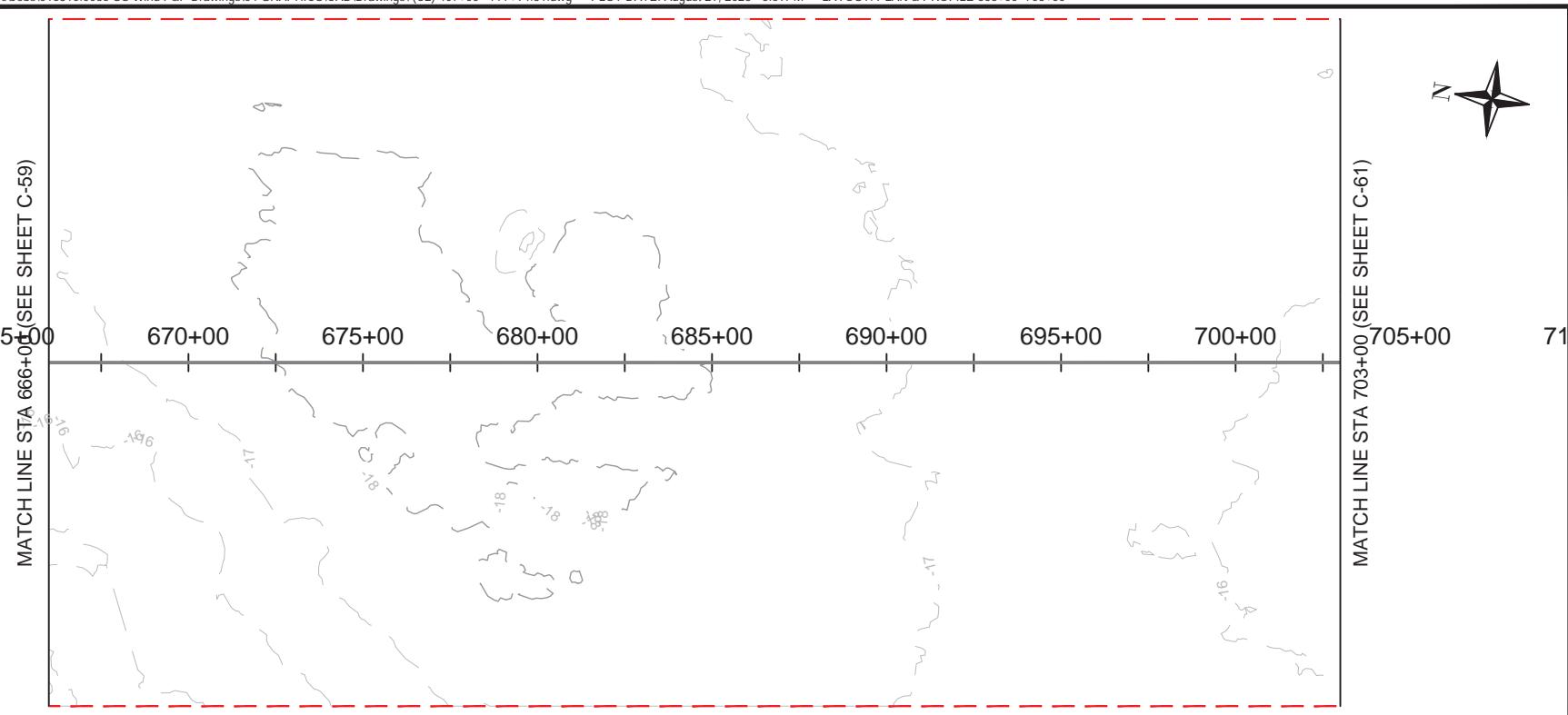
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE MARYLAND AND DELAWARE

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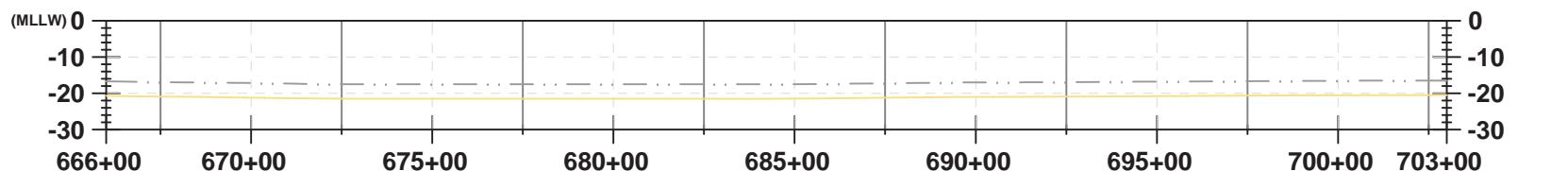
PLAN & PROFILE 629+00 - 666+00

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CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 407+00 - 777+94.31.dwg
C-59	

12-01-1102-LCOOK



PLAN VIEW



PROFILE VIEW

LEGEND:

- Existing Grade
- Export Cable (buried 1-3 meters)
- - - Offshore Export Cable Corridor 1
- - - Offshore Export Cable Corridor 2
- - - Offshore Export Cable Common Corridor

PROJECT:

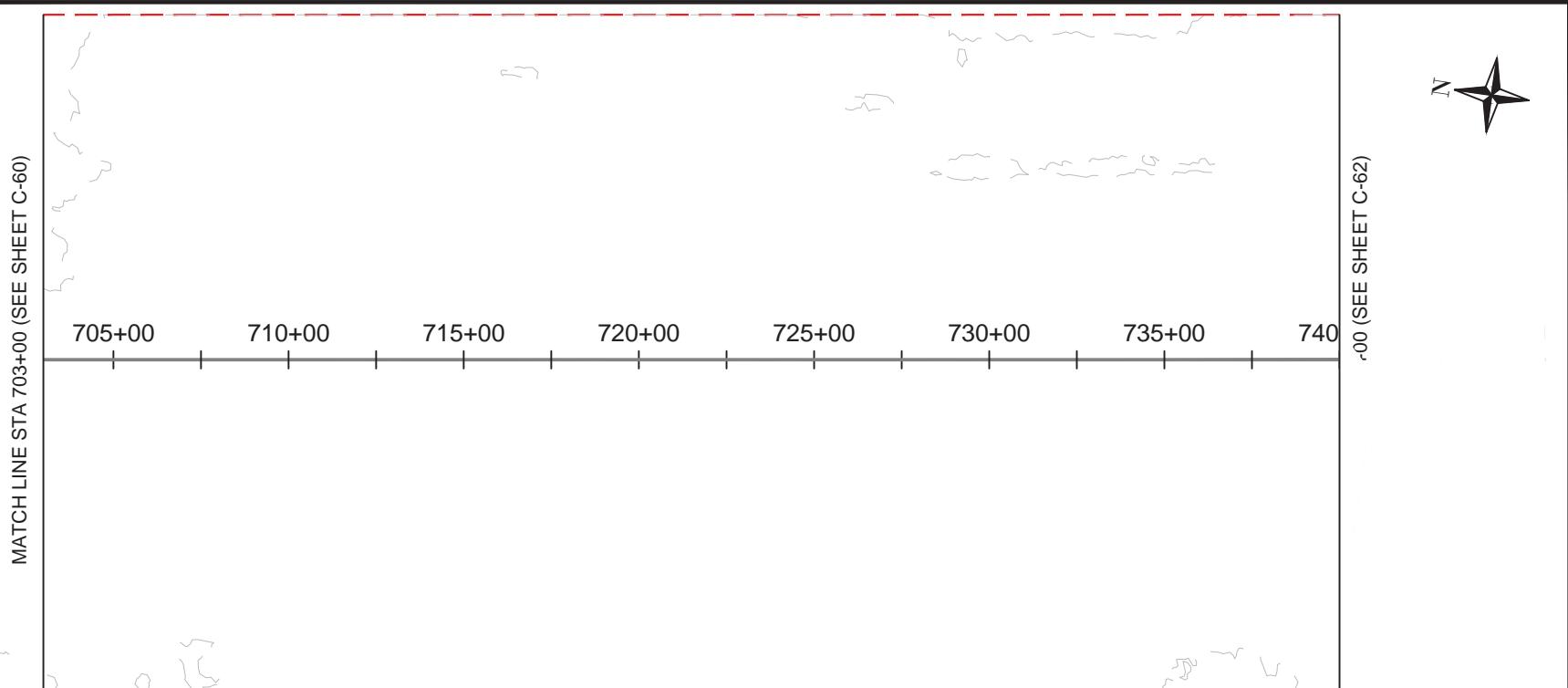
US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE MARYLAND AND DELAWARE

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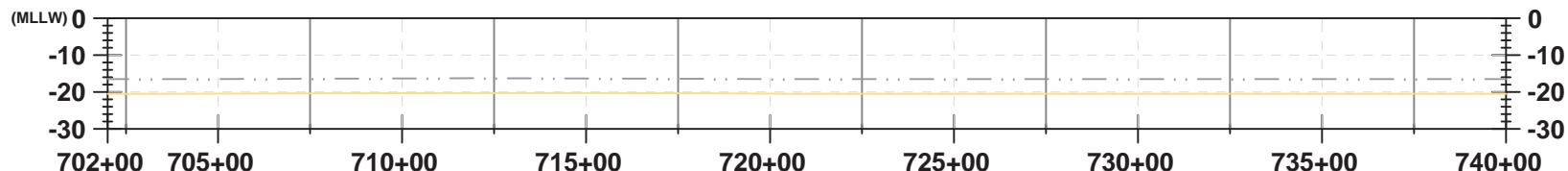
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APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 407+00 - 777+94.31.dwg
C-60	

12/01/1002 JRCEN



PLAN VIEW



PROFILE VIEW

LEGEND:

- EXISTING GRADE
- EXPORT CABLE (buried 1-3 meters)
- OFFSHORE EXPORT CABLE CORRIDOR 1
- OFFSHORE EXPORT CABLE CORRIDOR 2
- OFFSHORE EXPORT CABLE COMMON CORRIDOR

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

PROJECT:

US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE MARYLAND AND DELAWARE

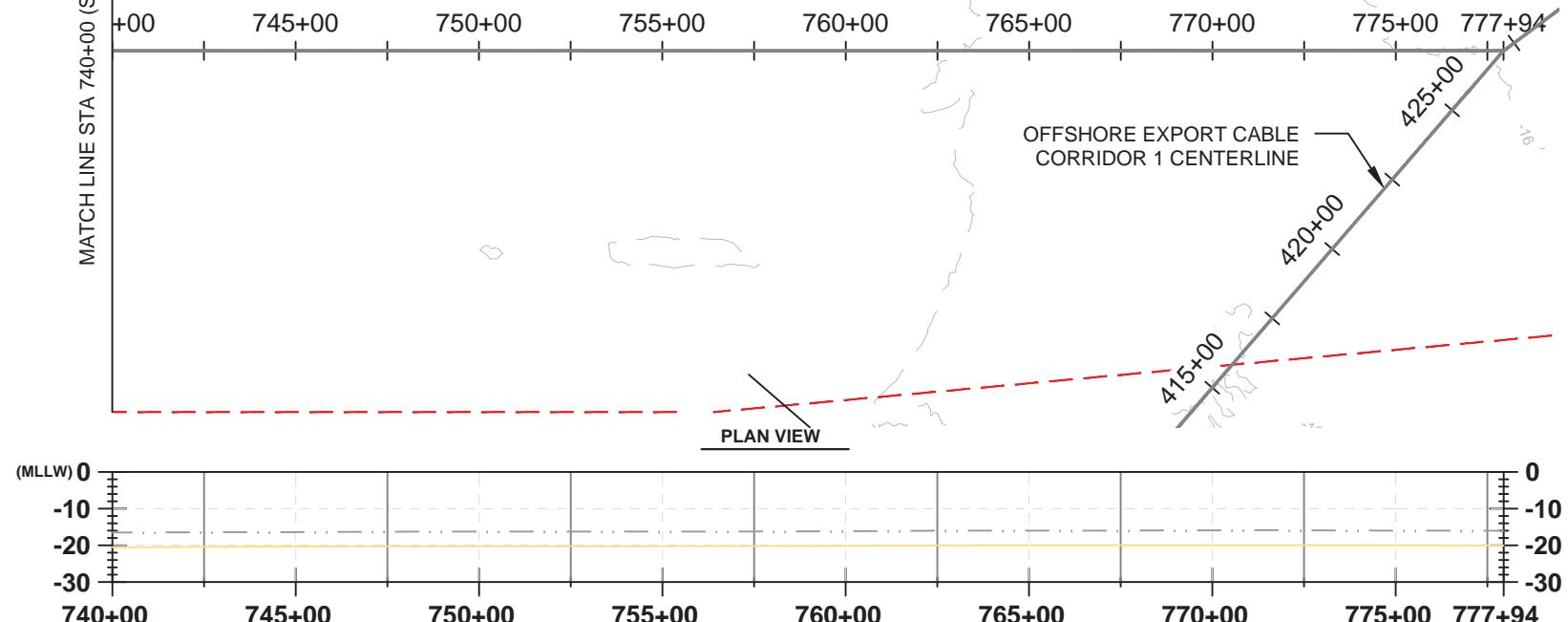
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APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 407+00 - 777+94.31.dwg
C-61	

12/01/102 JRCEN

MATCH LINE STA 740+00 (SEE SHEET C-61)



LEGEND:

- EXISTING GRADE
- EXPORT CABLE (buried 1-3 meters)
- - - OFFSHORE EXPORT CABLE CORRIDOR 1
- - - OFFSHORE EXPORT CABLE CORRIDOR 2
- - - OFFSHORE EXPORT CABLE COMMON CORRIDOR

PROFILE VIEW

0 500 1000
HORIZONTAL SCALE IN FEET

0 50 100
VERTICAL SCALE IN FEET

PROJECT:

US WIND, INC
MARYLAND OFFSHORE WIND PROJECT
OFFSHORE EXPORT CABLE CORRIDOR 2
OFFSHORE MARYLAND AND DELAWARE

TITLE:

PLAN & PROFILE 740+00 - 777+94.31

DRAWN BY:	LC
CHECKED BY:	GR/KB
APPROVED BY:	KB
DATE:	AUGUST 2023
PROJ. NO.:	016310.0085
FILE:	(C2) 407+00 - 777+94.31.dwg
C-62	

US WIND MARYLAND OFFSHORE WIND PROJECT INDIAN RIVER BAY EXPORT CABLES



BLACK & VEATCH
Building a world of difference.®

BLACK & VEATCH CORPORATION
OVERLAND PARK, KS
PROJECT NO. 410735
2023

**NOT TO BE USED
FOR CONSTRUCTION**

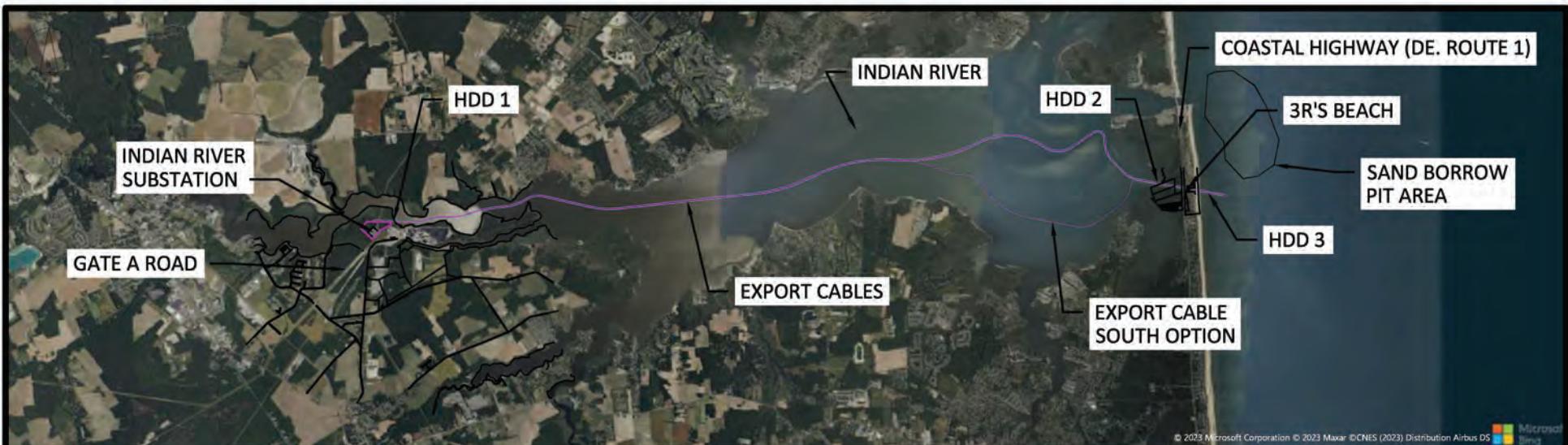
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						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP	
BLACK & VEATCH Building a world of difference.®	US WIND INDIAN RIVER BAY - EXPORT CABLES	PROJECT 410735 - 000	DRAWING NUMBER	REV B										
DESIGNER GS	DRAWN SLH	CODE												
CHECKED RW	DATE 06/14/23	AREA												
COVER SHEET														

TITLE	DRAWING NO.	REV	TITLE	DRAWING NO.	REV
COVER SHEET	000	B	PLAN & PROFILE 20 - INDIAN RIVER BAY SOUTHERN ROUTE	023	B
INDEX	001	B	ONSHORE PLAN & PROFILE 3R'S PARKING LOT	024	B
VICINITY MAP & GENERAL NOTES	002	B	DUCT BANK SECTION	025	B
KEY MAP	003	B	TYPICAL CABLE CORRIDOR CROSS SECTION NEAR NAVIGATIONAL CHANNEL	026	B
PLAN & PROFILE 1 - INDIAN RIVER BAY NORTHERN ROUTE	004	B			
PLAN & PROFILE 2 - INDIAN RIVER BAY NORTHERN ROUTE	005	B	TYPICAL CABLE CORRIDOR CROSS SECTION AWAY FROM NAVIGATIONAL CHANNEL	027	B
PLAN & PROFILE 3 - INDIAN RIVER BAY NORTHERN ROUTE	006	B			
PLAN & PROFILE 4 - INDIAN RIVER BAY NORTHERN ROUTE	007	B	HDD SECTION	028	B
PLAN & PROFILE 5 - INDIAN RIVER BAY NORTHERN ROUTE	008	B	SPLICING VAULT ON LAND -PLAN VIEW	029	B
PLAN & PROFILE 6 - INDIAN RIVER BAY NORTHERN ROUTE	009	B	SPLICING VAULT ON LAND -SECTION VIEW	030	B
PLAN & PROFILE 7 - INDIAN RIVER BAY NORTHERN ROUTE	010	B	TRANSITION VAULT DETAILS -NOTES	031	B
PLAN & PROFILE 8 - INDIAN RIVER BAY NORTHERN ROUTE	011	B	TRANSITION VAULT DETAILS -PLAN VIEW	032	B
PLAN & PROFILE 9 - INDIAN RIVER BAY NORTHERN ROUTE	012	B	TRANSITION VAULT DETAILS -SECTION VIEW	033	B
PLAN & PROFILE 10 - INDIAN RIVER BAY NORTHERN ROUTE	013	B	TRANSITION VAULT DETAILS -SECTION 2 VIEW	034	B
PLAN & PROFILE 11 - INDIAN RIVER BAY NORTHERN ROUTE	014	B	TRANSITION VAULT DETAILS -SECTION 3 VIEW	035	B
PLAN & PROFILE 12 - INDIAN RIVER BAY NORTHERN ROUTE	015	B	HDD 1 PLAN & PROFILE WEST LANDING	036	B
PLAN & PROFILE 13 - INDIAN RIVER BAY NORTHERN ROUTE	016	B	HDD 2 PLAN & PROFILE EAST LANDING - IRB	037	B
PLAN & PROFILE 14 - INDIAN RIVER BAY NORTHERN ROUTE	017	B	HDD 3 PLAN & PROFILE EAST LANDING - ATLANTIC	038	B
PLAN & PROFILE 15 - INDIAN RIVER BAY NORTHERN ROUTE	018	B	3R'S PARKING LOT PERMANENT DISTURBANCE AREA	039	B
PLAN & PROFILE 16 - INDIAN RIVER BAY SOUTHERN ROUTE	019	B	3R'S PARKING LOT TEMPORARY DISTURBANCE AREA	040	B
PLAN & PROFILE 17 - INDIAN RIVER BAY SOUTHERN ROUTE	020	B	WEST LANDING PERMANENT DISTURBANCE AREA	041	B
PLAN & PROFILE 18 - INDIAN RIVER BAY SOUTHERN ROUTE	021	B	WEST LANDING TEMPORARY DISTURBANCE AREA	042	B
PLAN & PROFILE 19 - INDIAN RIVER BAY SOUTHERN ROUTE	022	B	NOT TO BE USED FOR CONSTRUCTION		

B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW	
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE APP

 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER			REV
					410735 - 001				B
DESIGNER GS	DRAWN SLH	INDEX				CODE			
CHECKED RW	DATE 06/14/23					AREA			

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.
 - a.Tidal Elevations at Indian River Inlet, MLLW -1.82', MSL -0.41', MHHW 1.12'
 - b. Tidal Elevation at Rosedale Beach on Indian River, MLLW -1.50', MSL 0.14', MHHW 1.83'
 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 slide slopes. Slide slope widths may vary.

0 500 10000 FEET

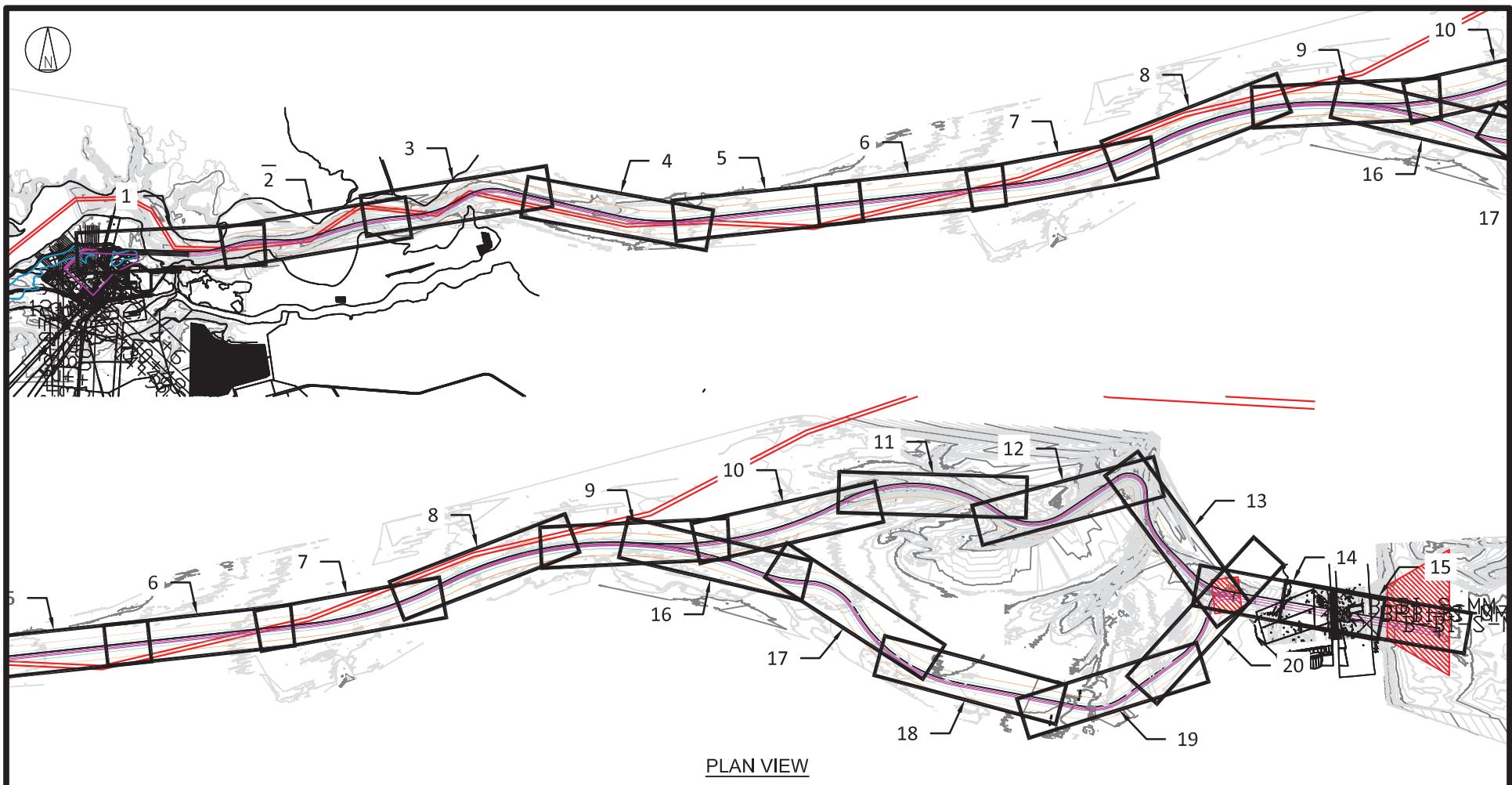
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**NOT TO BE USED
FOR CONSTRUCTION**

						B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®		US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT 410735 - 002	DRAWING NUMBER			REV B	
DESIGNER GS	DRAWN SLH	VICINITY MAP & GENERAL NOTES						CODE					
CHECKED RW	DATE 06/12/23							AREA					

Plan and Profile Drawing

Sheet Key Map

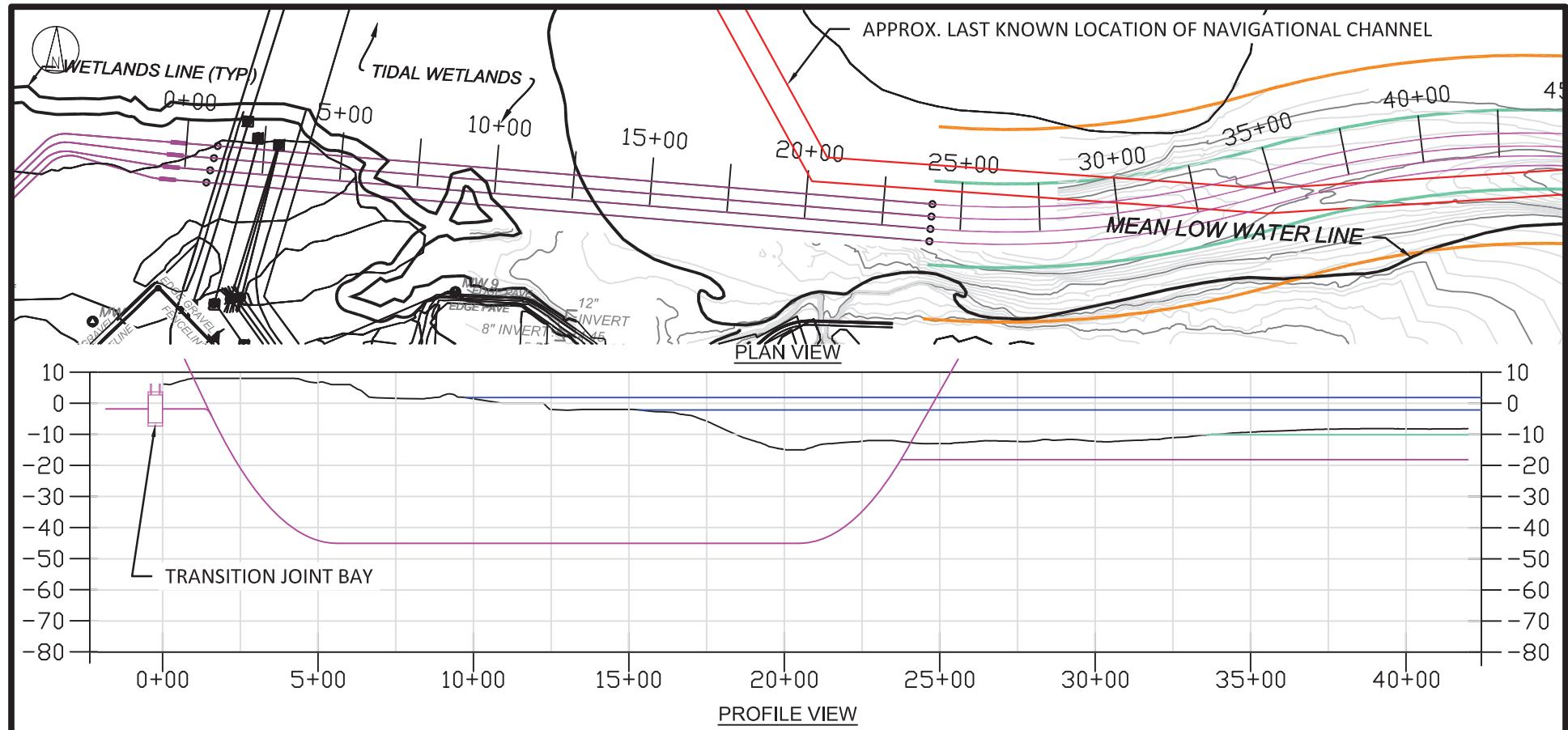


**NOT TO BE USED
FOR CONSTRUCTION**

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						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV			
DESIGNER GS	DRAWN SLH	KEY MAP				CODE							
CHECKED RW	DATE 06/14/23					AREA							

Plan and Profiles

Indian River Bay – Northern Route



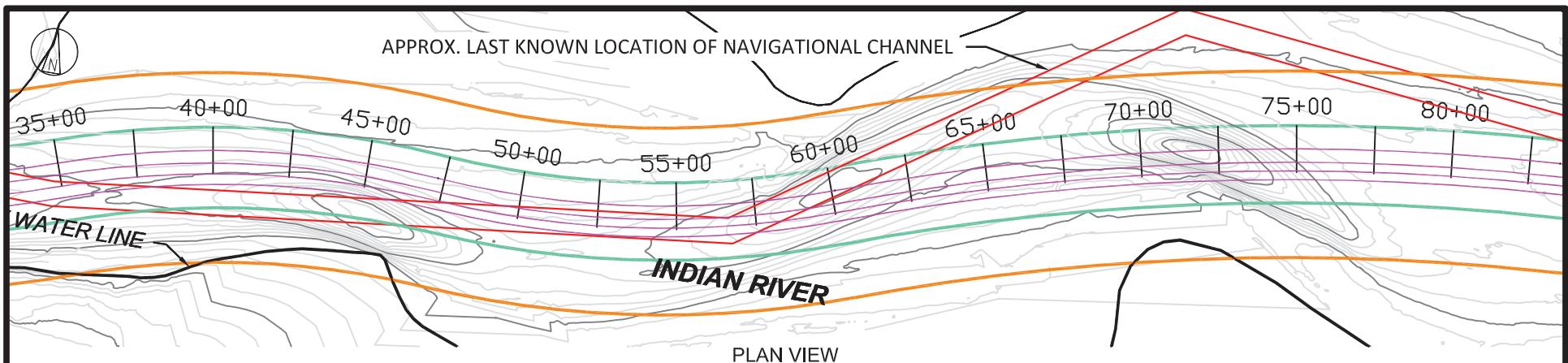
LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLW

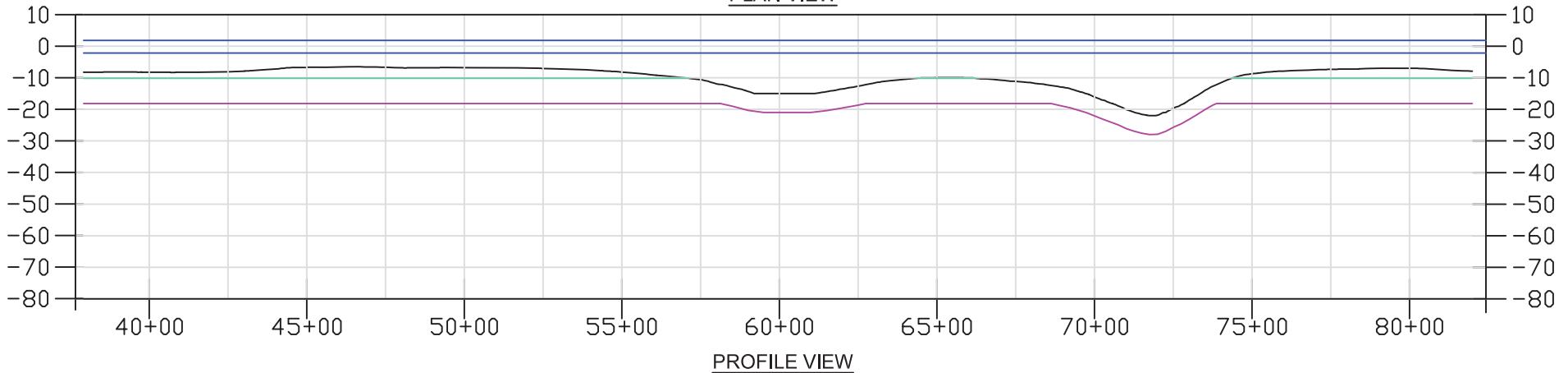
The figure consists of two horizontal scale bars. The top bar is labeled "HORIZONTAL SCALE 1"=500'". It has tick marks at 0, 250, and 500 FEET. The bottom bar is labeled "VERTICAL SCALE 1"=50'". It has tick marks at 0, 25, and 50 FEET.

**NOT TO BE USED
FOR CONSTRUCTION**

						B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT	DRAWING NUMBER				REV	
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 1 INDIAN RIVER BAY NORTHERN ROUTE						CODE					
CHECKED RW	DATE 06/14/23							AREA					



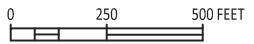
PLAN VIEW



PROFILE VIEW

LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLLW

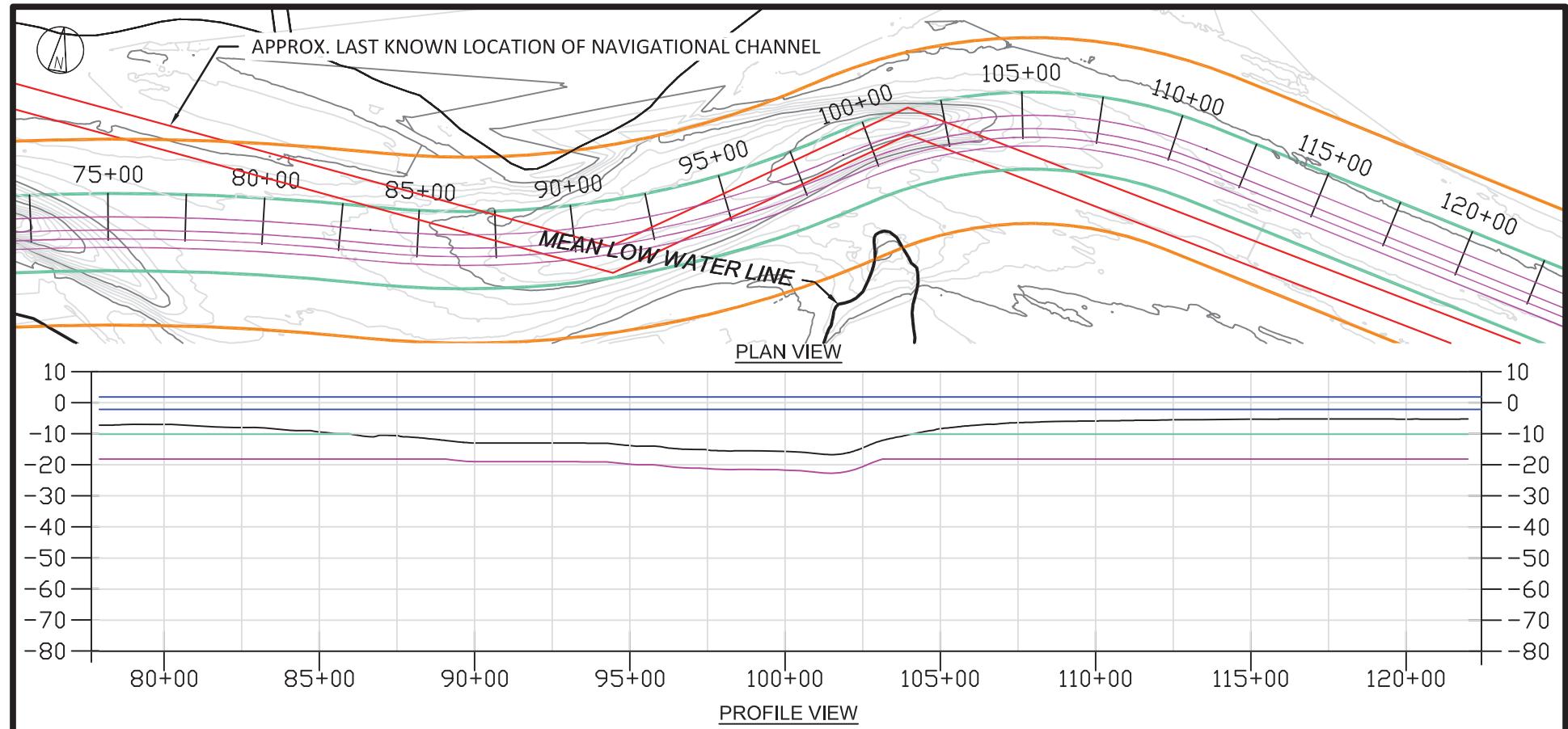


HORIZONTAL SCALE 1"=500'

VERTICAL SCALE 1"=50'

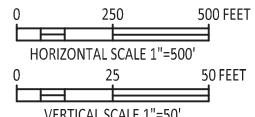
**NOT TO BE USED
FOR CONSTRUCTION**

							B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER				REV	
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 2 INDIAN RIVER BAY NORTHERN ROUTE							CODE					
CHECKED RW	DATE 06/14/23								AREA					



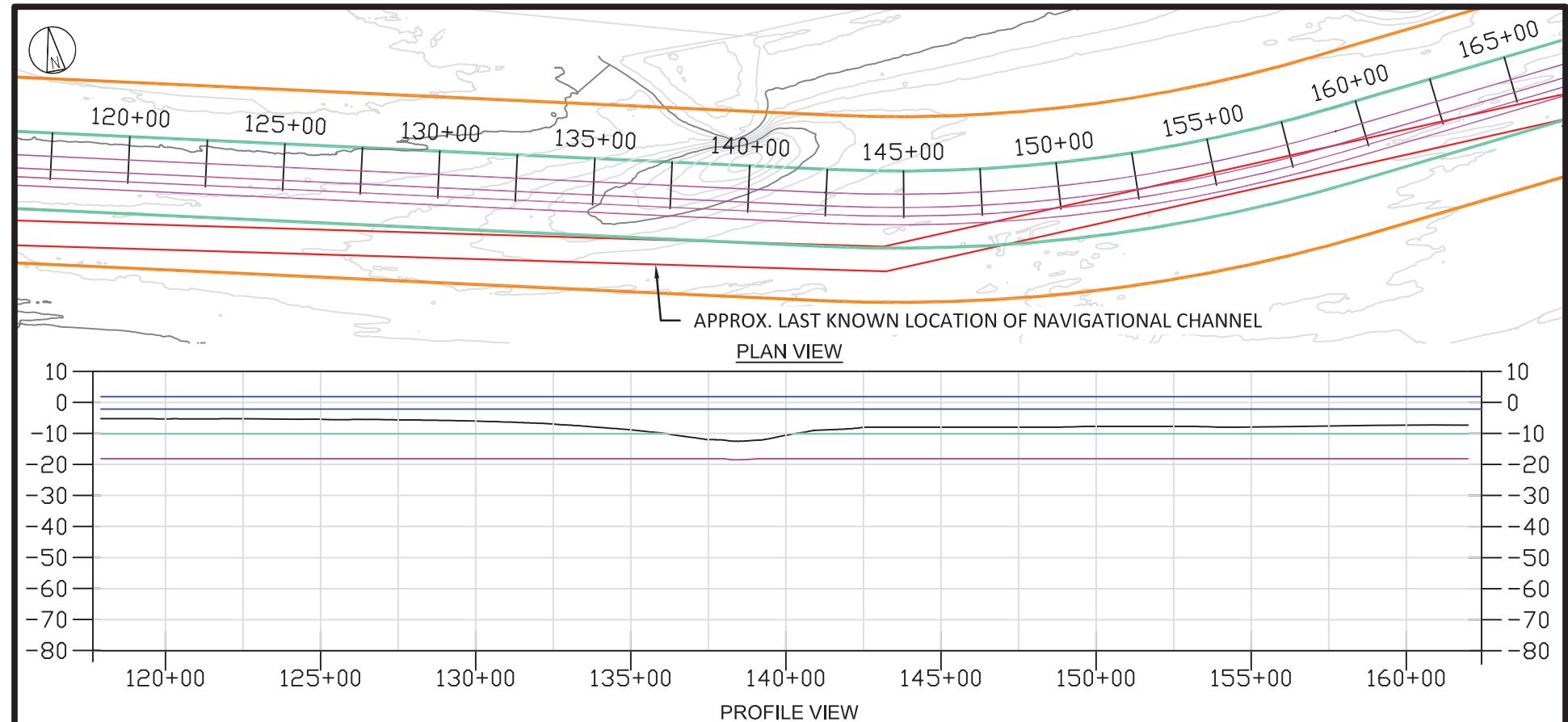
LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLLW



NOT TO BE USED FOR CONSTRUCTION

						B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV			
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 3 INDIAN RIVER BAY NORTHERN ROUTE				CODE							
CHECKED RW	DATE 06/14/23					AREA							



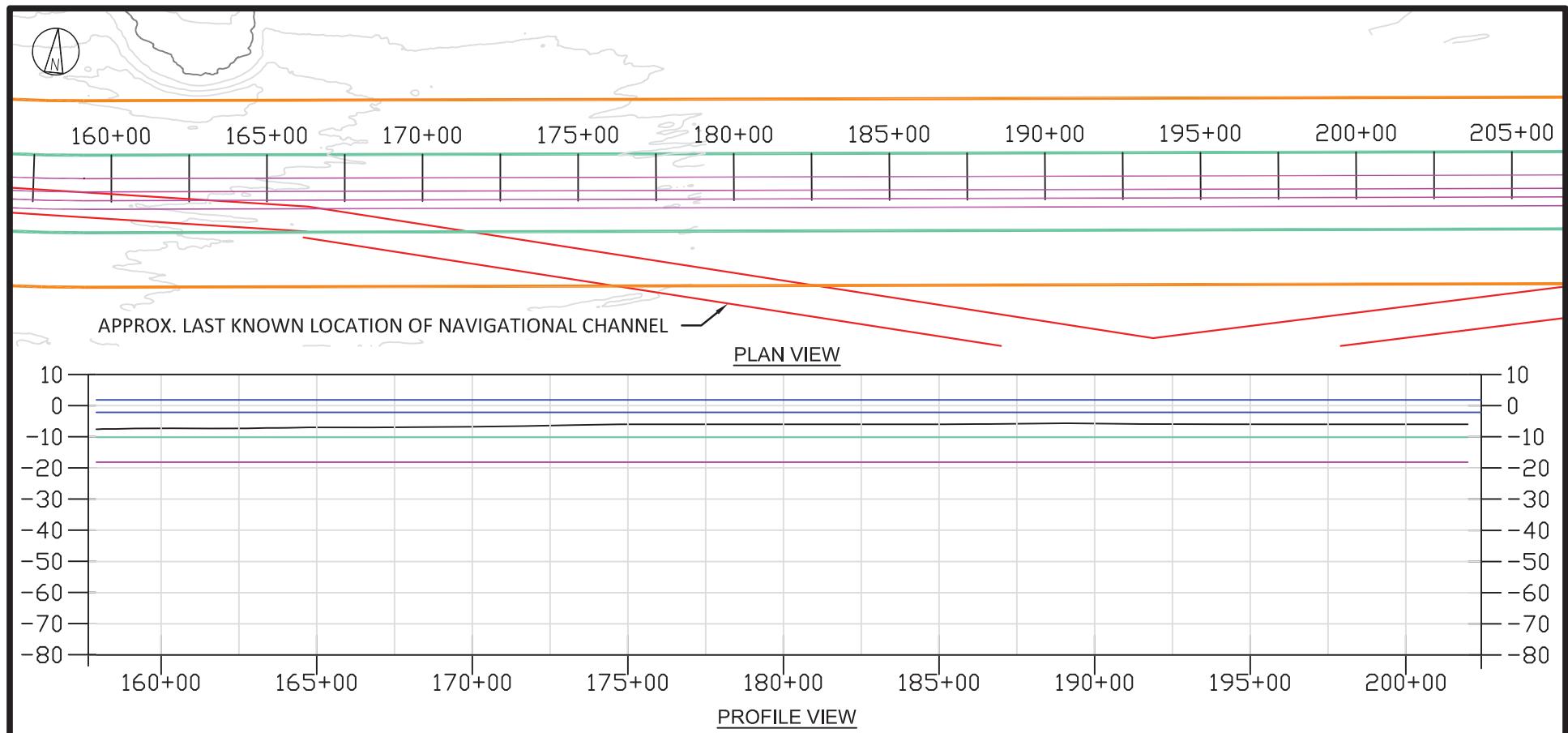
LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLLW

The figure consists of two horizontal scale bars. The top bar is labeled "HORIZONTAL SCALE 1"=500' FEET" and has tick marks at 0, 250, and 500. The bottom bar is labeled "VERTICAL SCALE 1"=50' FEET" and has tick marks at 0, 25, and 50.

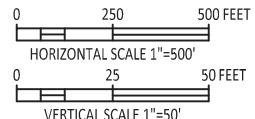
**NOT TO BE USED
FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV			
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 4 INDIAN RIVER BAY NORTHERN ROUTE				CODE							
CHECKED RW	DATE 06/14/23					AREA							



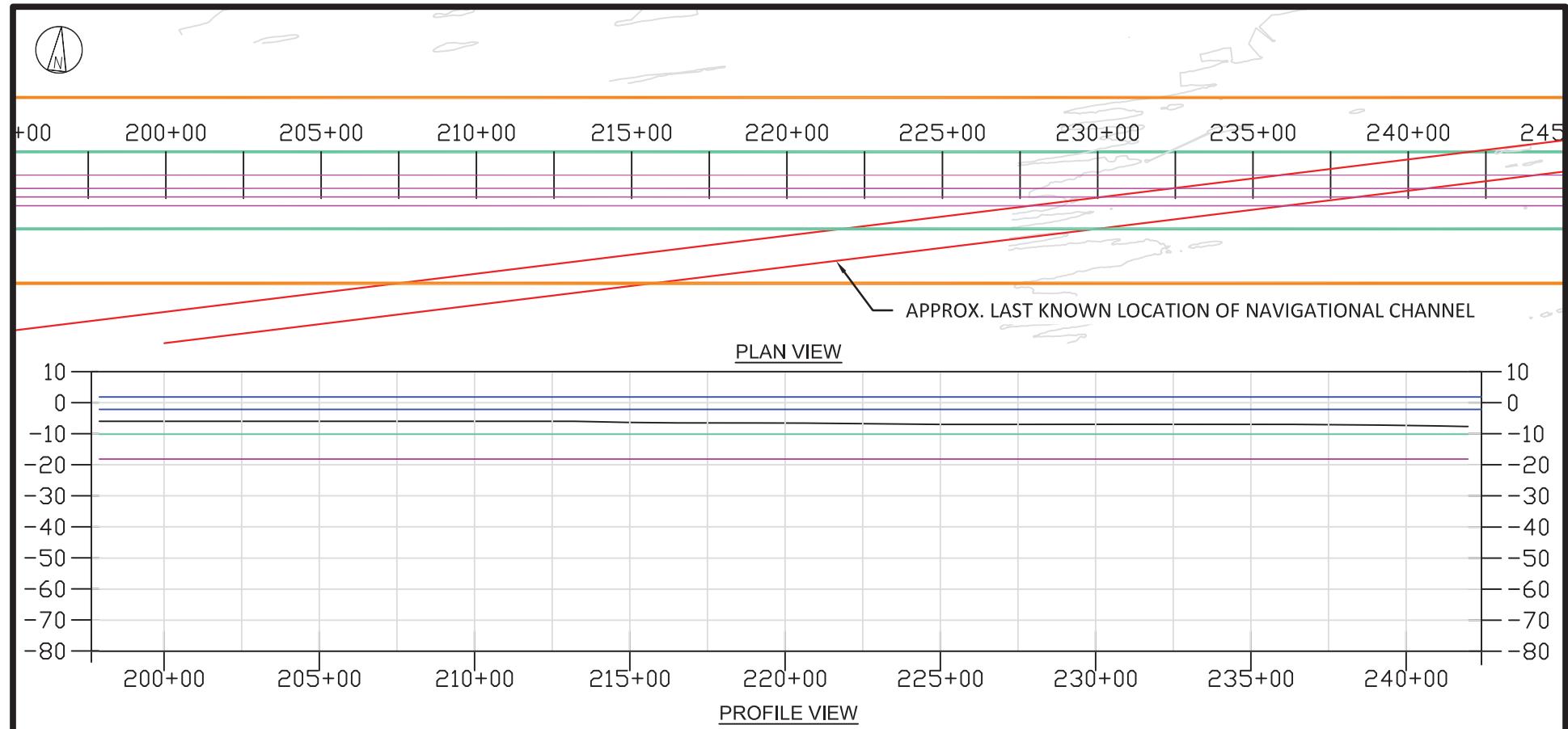
LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



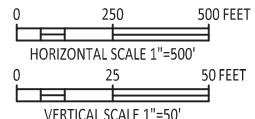
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FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®														
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER				REV
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 5 INDIAN RIVER BAY NORTHERN ROUTE							CODE					B



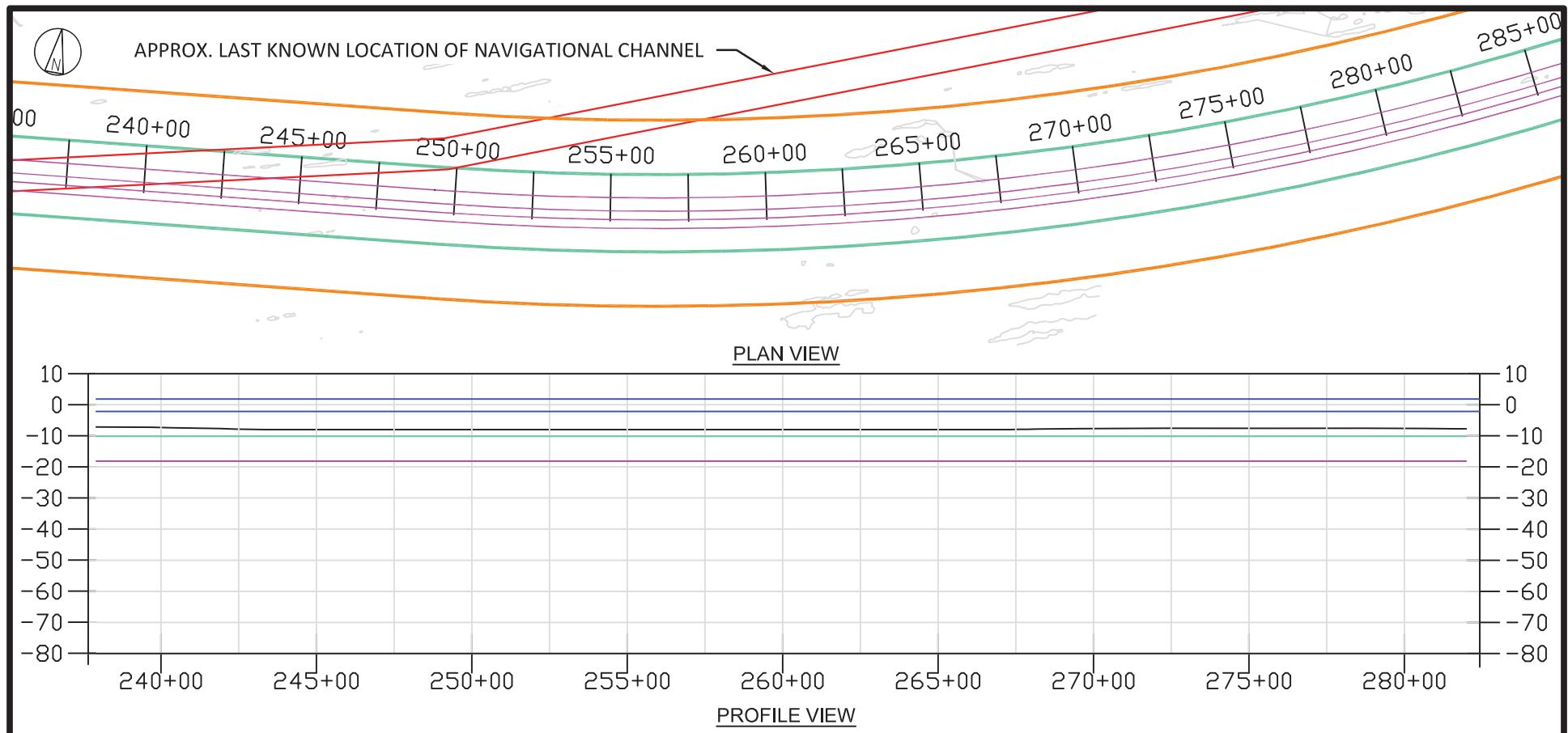
LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLW



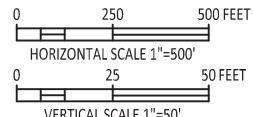
**NOT TO BE USED
FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV			
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 6 INDIAN RIVER BAY NORTHERN ROUTE				CODE							
CHECKED RW	DATE 06/14/23					AREA							



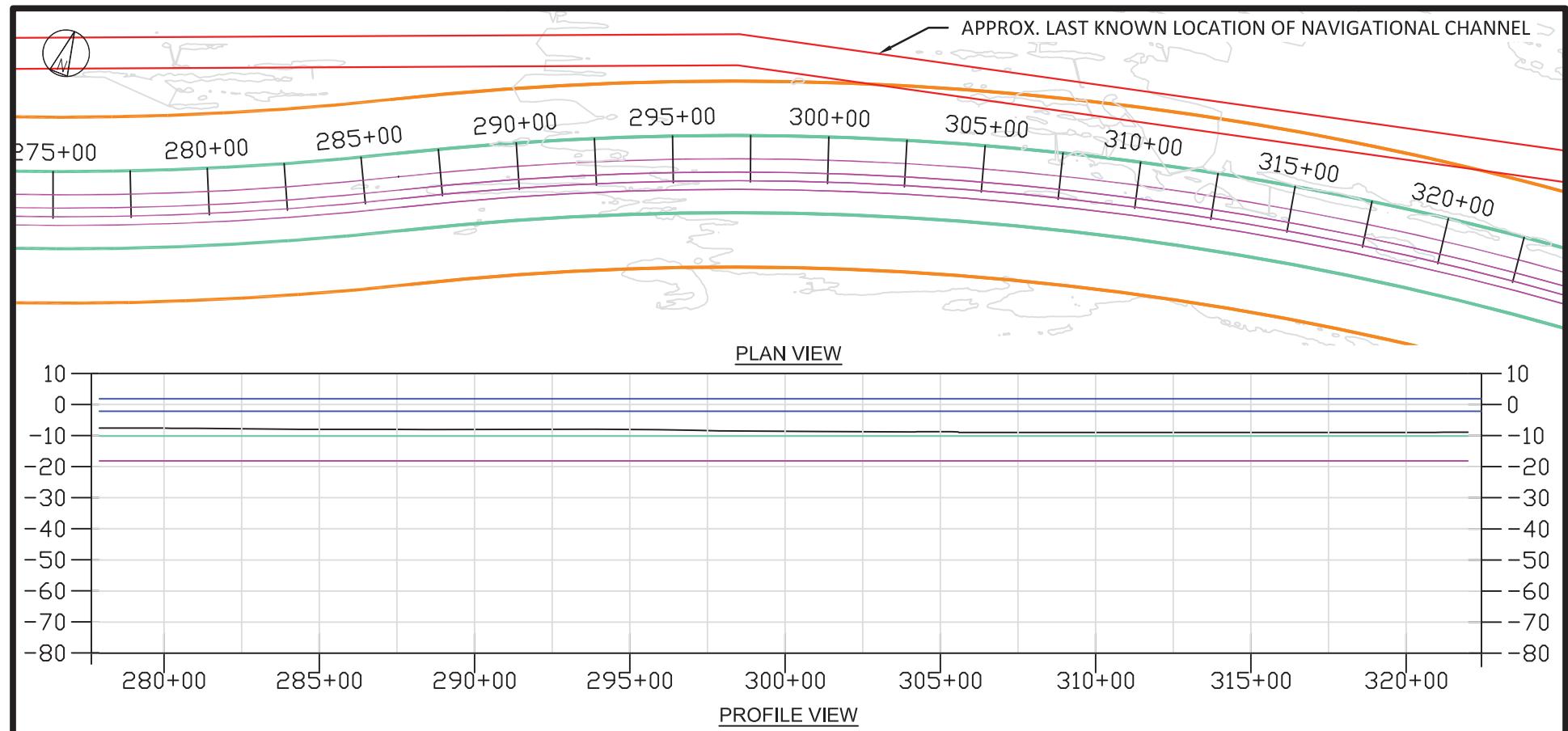
LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



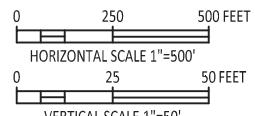
**NOT TO BE USED
FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®													
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT	DRAWING NUMBER			REV	
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 7 INDIAN RIVER BAY NORTHERN ROUTE						CODE				B	



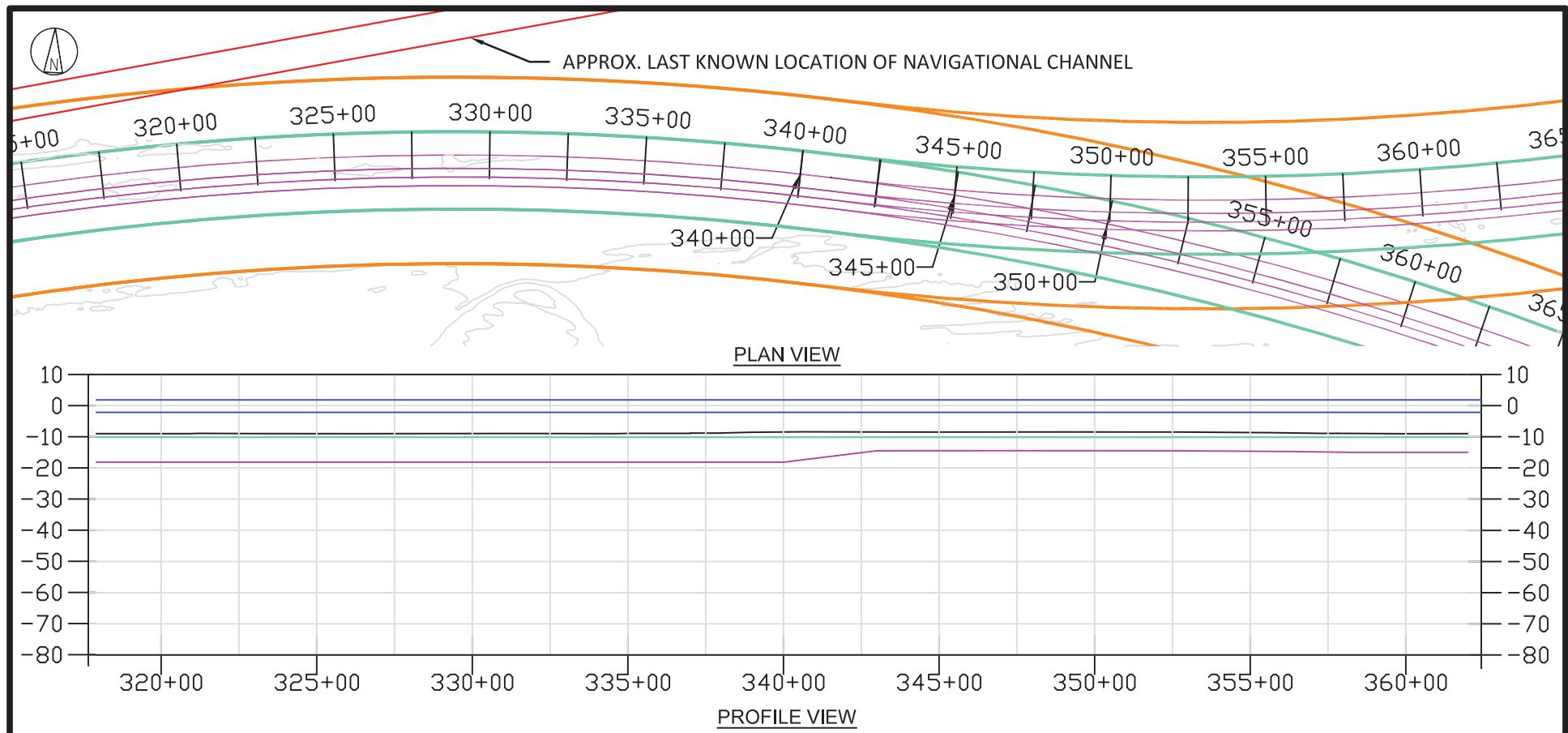
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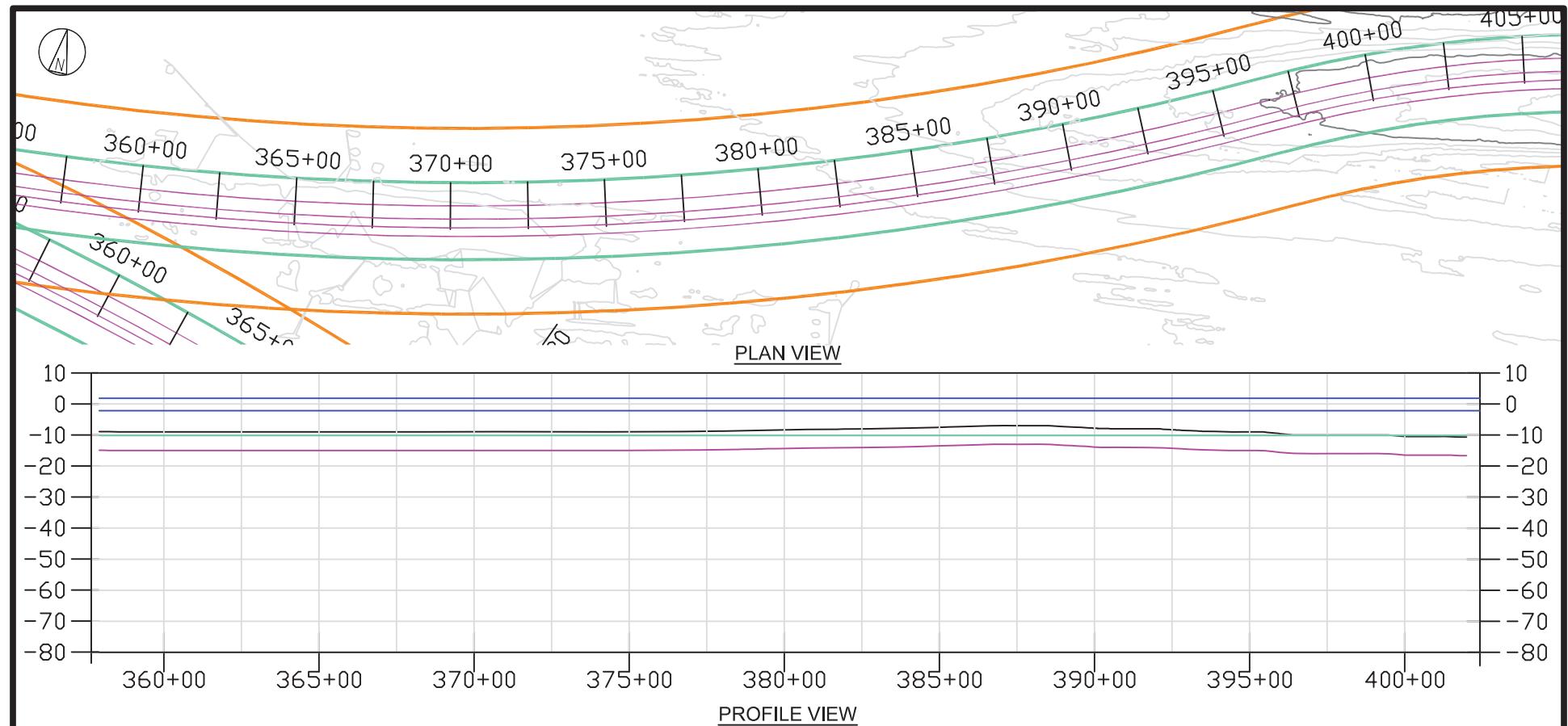
- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



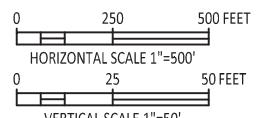
**NOT TO BE USED
FOR CONSTRUCTION**

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					NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
BLACK & VEATCH Building a world of difference®			US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER			REV	
DESIGNER GS	DRAWN SLH		PLAN & PROFILE 8 INDIAN RIVER BAY NORTHERN ROUTE				CODE				B	
CHECKED RW	DATE 06/14/23						AREA					



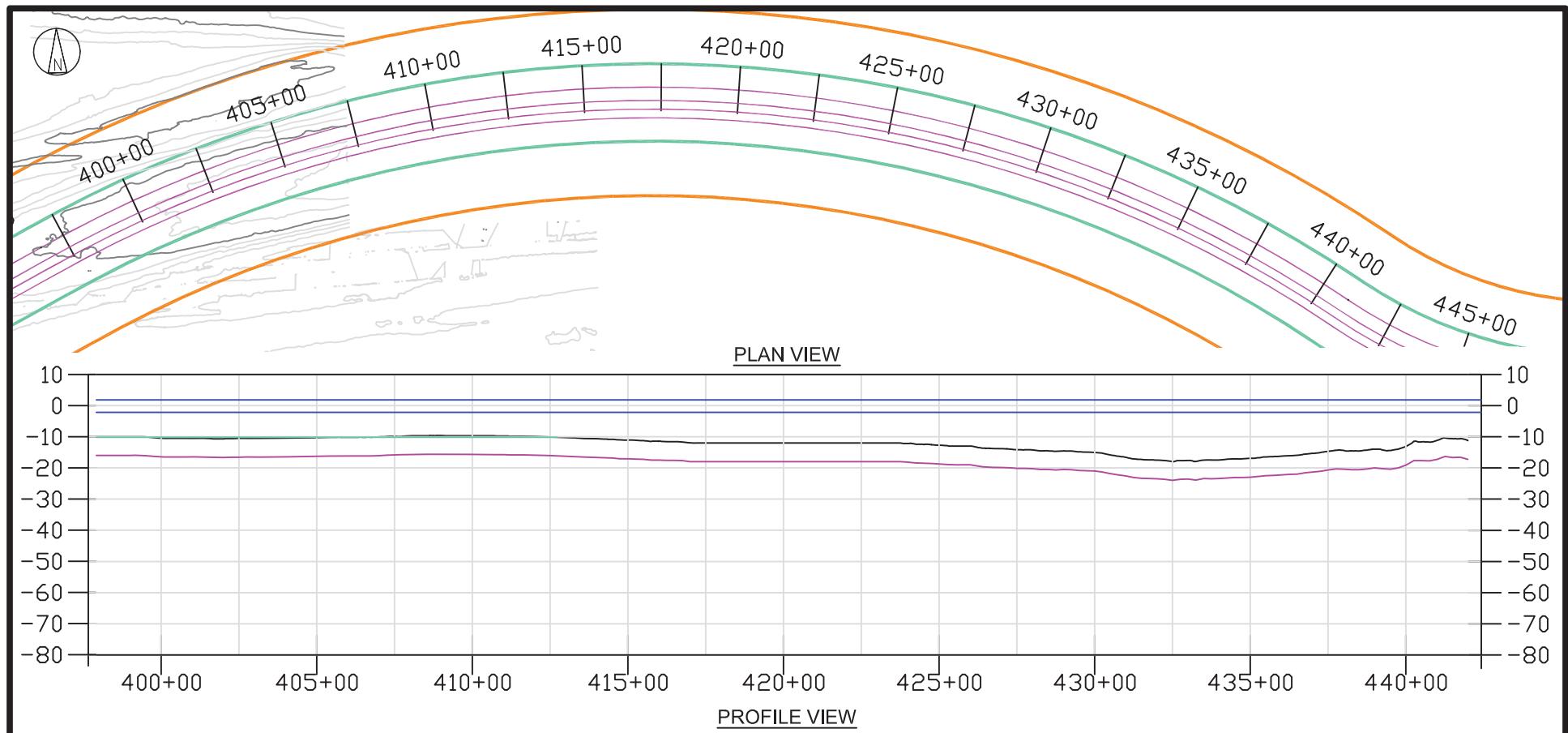

LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



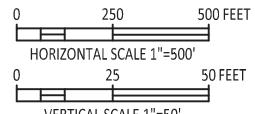
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FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®														
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER				REV
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 10 INDIAN RIVER BAY NORTHERN ROUTE							CODE					B



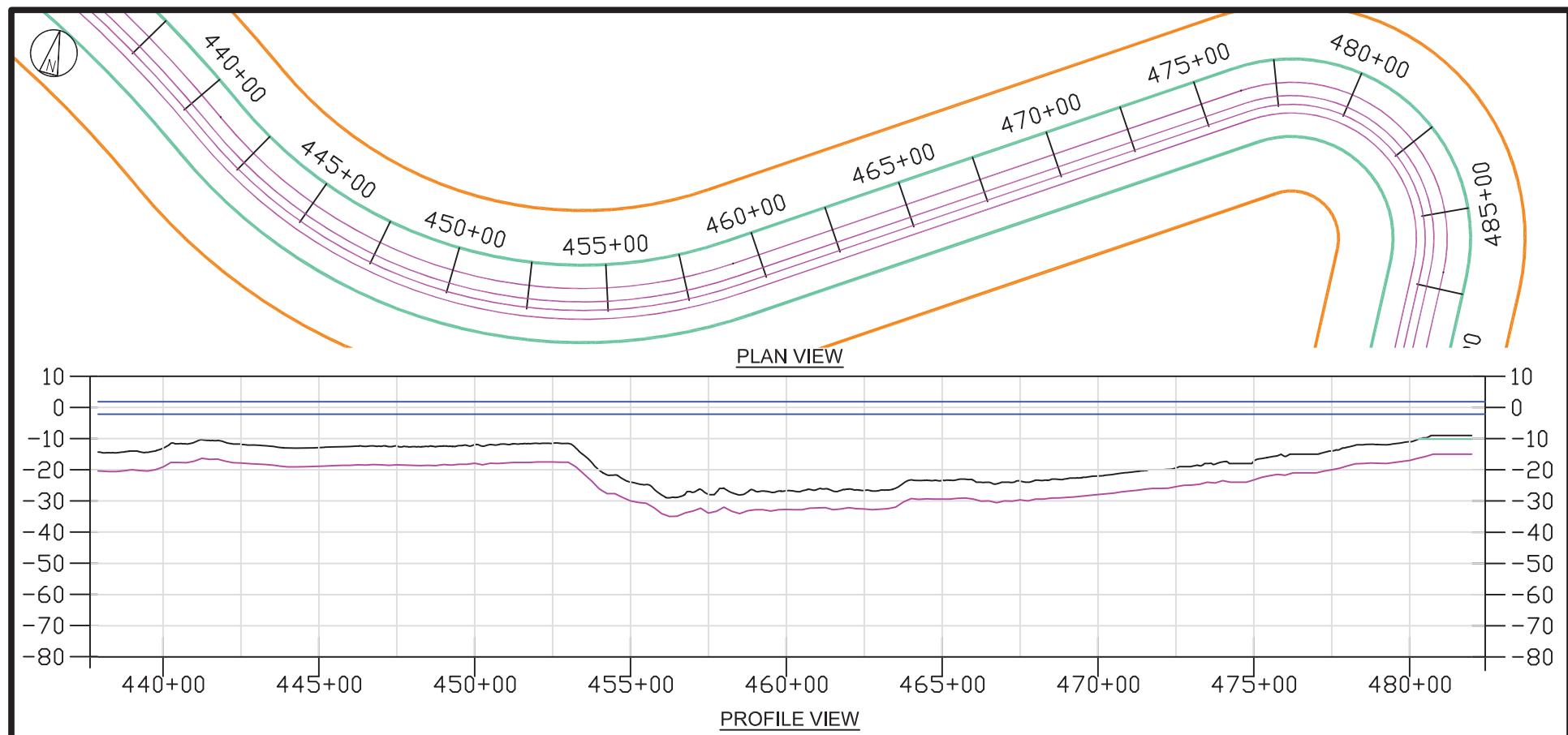
LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



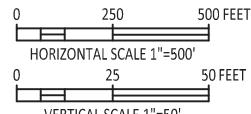
**NOT TO BE USED
FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®													
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT	DRAWING NUMBER			REV	
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 11 INDIAN RIVER BAY NORTHERN ROUTE						CODE				B	



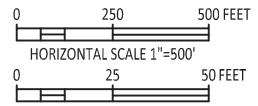
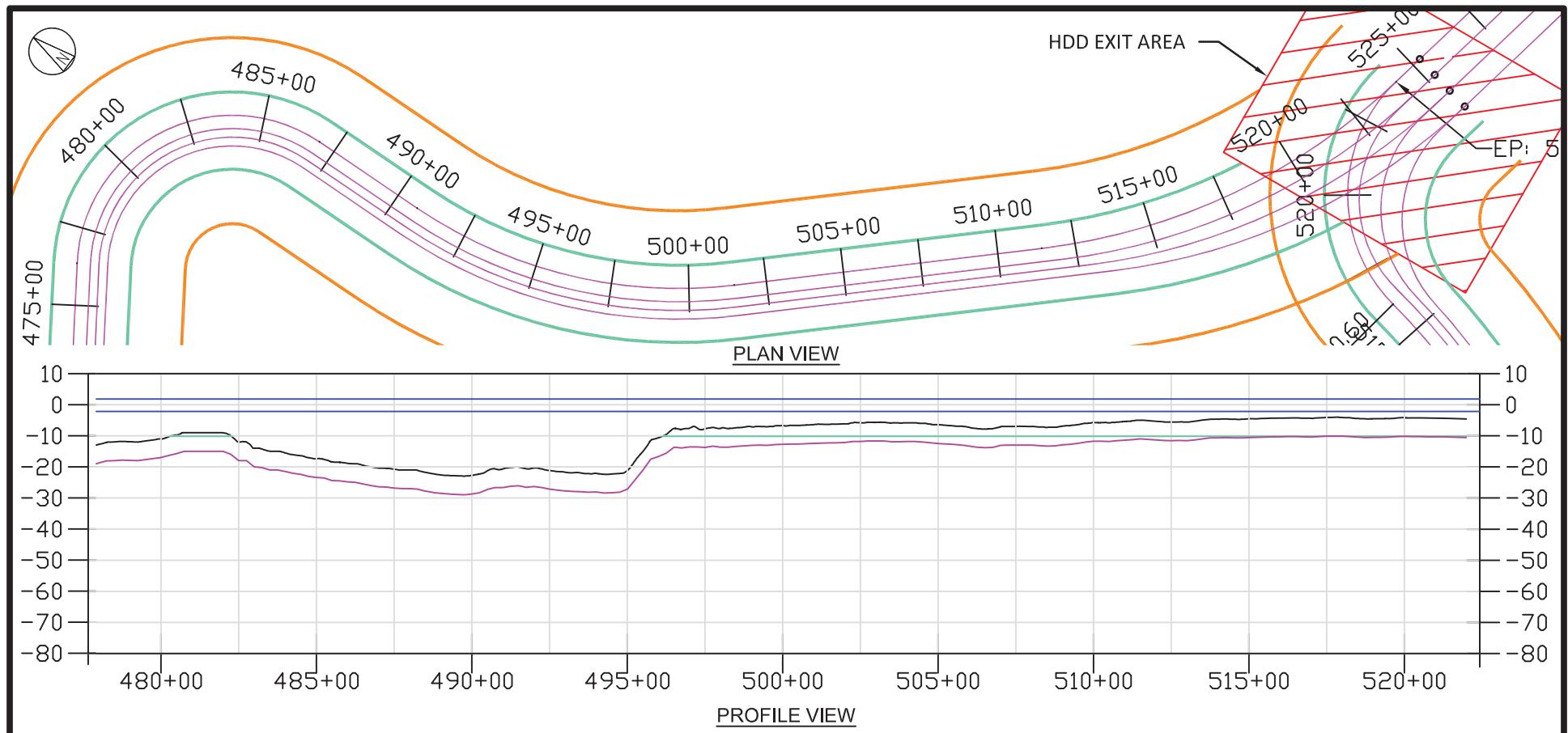
LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLLW



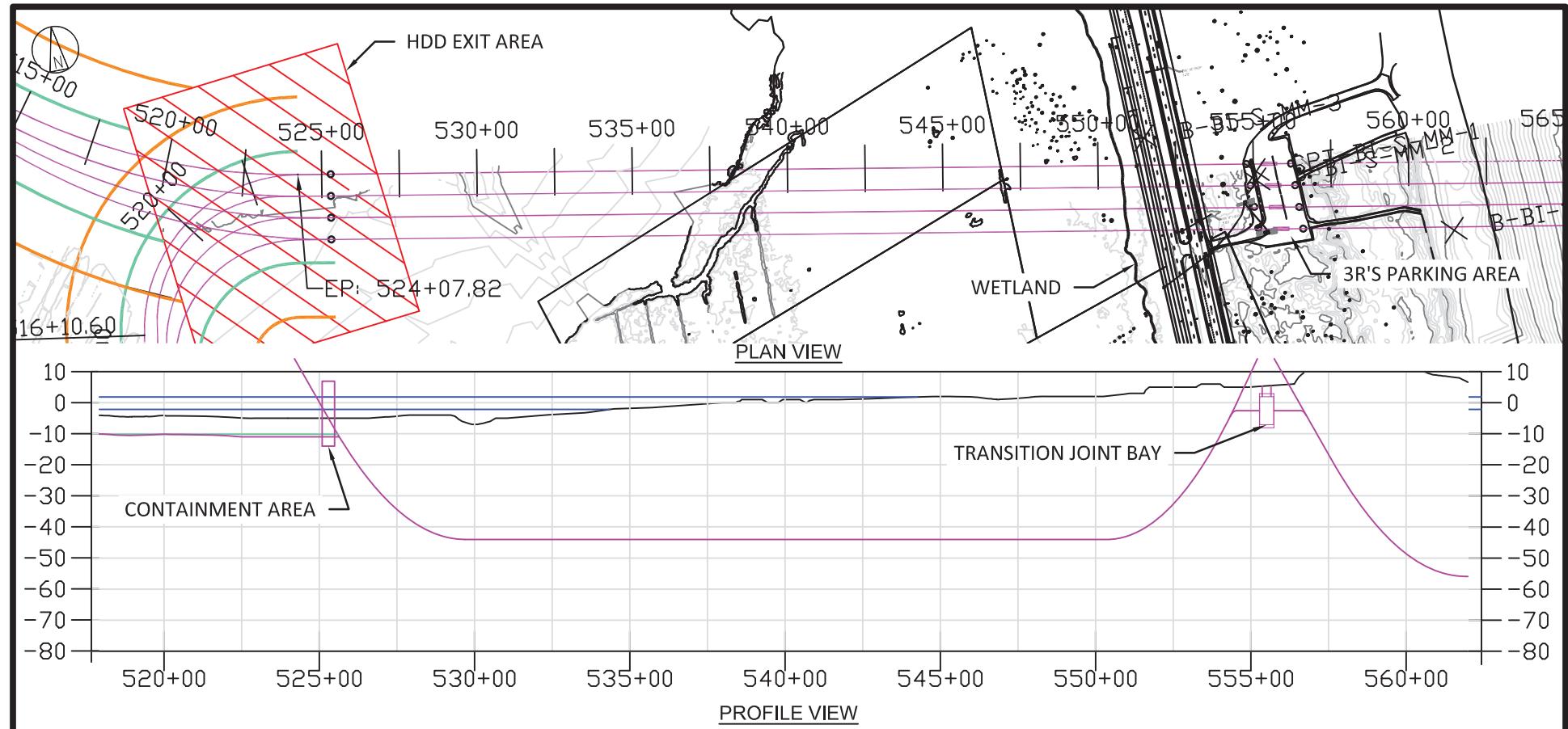
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FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV	
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 12 INDIAN RIVER BAY NORTHERN ROUTE				CODE					
CHECKED RW	DATE 06/14/23					AREA					



**NOT TO BE USED
FOR CONSTRUCTION**

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							NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
BLACK & VEATCH Building a world of difference®														
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER				REV
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 13 INDIAN RIVER BAY NORTHERN ROUTE							CODE					B



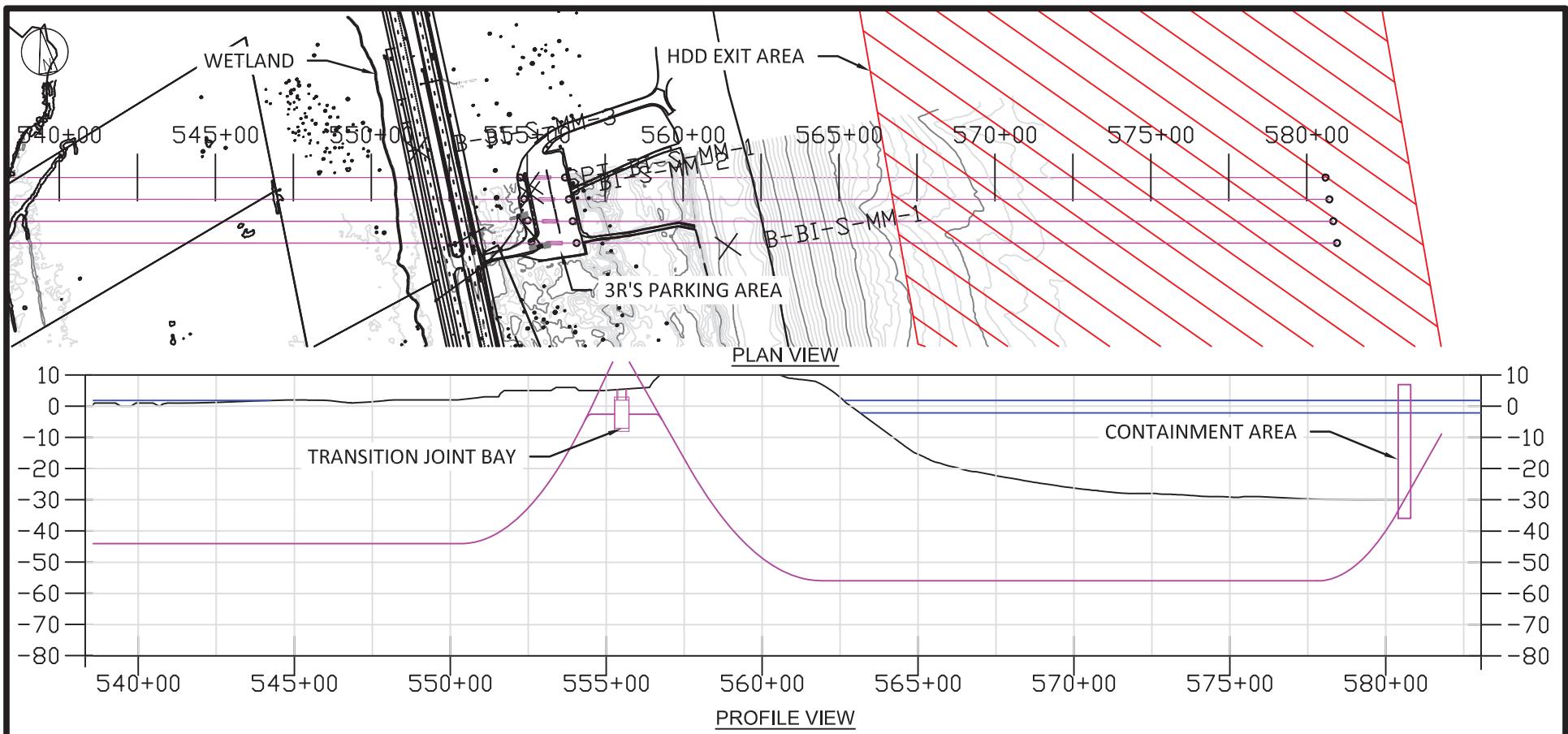
LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLLW

The figure consists of two horizontal scale bars. The top bar is labeled "HORIZONTAL SCALE 1"=500'". It has tick marks at 0, 250, and 500 FEET. The bottom bar is labeled "VERTICAL SCALE 1"=50'". It has tick marks at 0, 25, and 50 FEET.

**NOT TO BE USED
FOR CONSTRUCTION**

						B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV			
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 14 INDIAN RIVER BAY NORTHERN ROUTE				CODE							
CHECKED RW	DATE 06/14/23					AREA							



LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLW

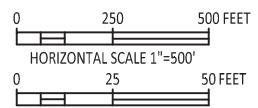
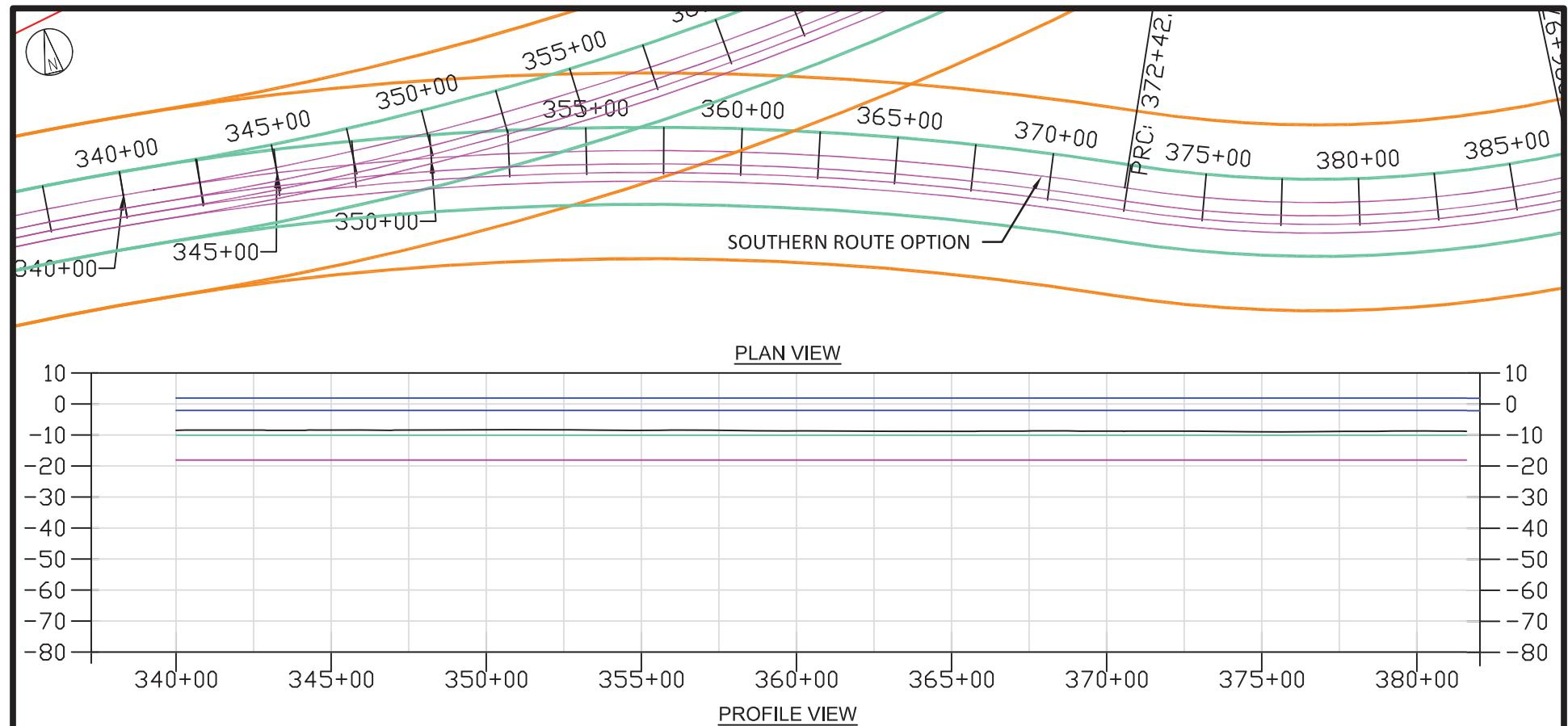
The figure consists of two horizontal scale bars. The top bar is labeled "HORIZONTAL SCALE 1"=500' FEET" and has tick marks at 0, 250, and 500. The bottom bar is labeled "VERTICAL SCALE 1"=50' FEET" and has tick marks at 0, 25, and 50.

**NOT TO BE USED
FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER				REV	
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 15 INDIAN RIVER BAY NORTHERN ROUTE							CODE					
CHECKED RW	DATE 06/14/23								AREA					

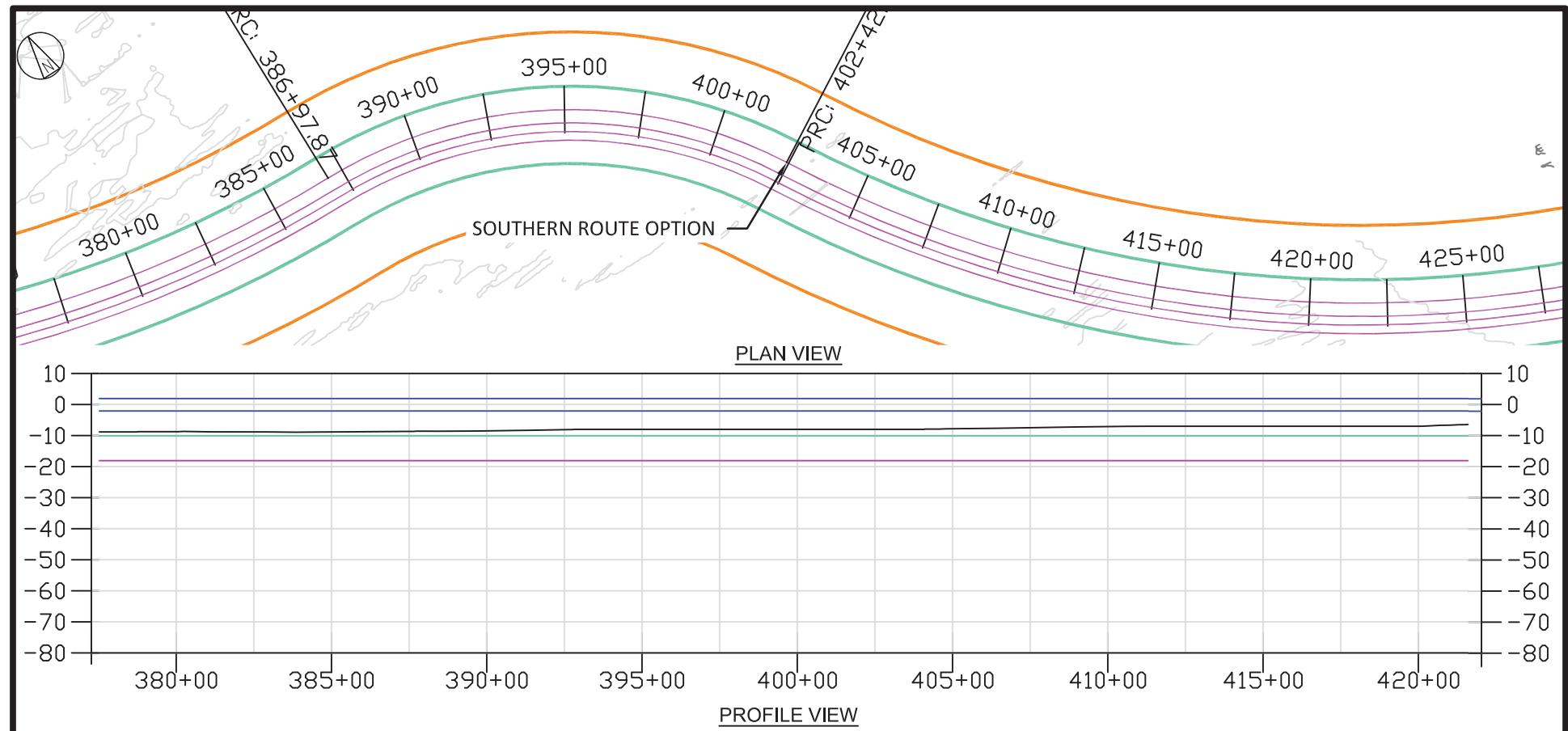
Plan and Profiles

Indian River Bay – Southern Route



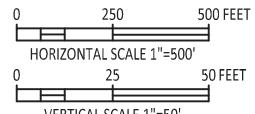
**NOT TO BE USED
FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®															
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES								PROJECT	DRAWING NUMBER			REV	
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 16 INDIAN RIVER BAY SOUTHERN ROUTE								CODE				B	



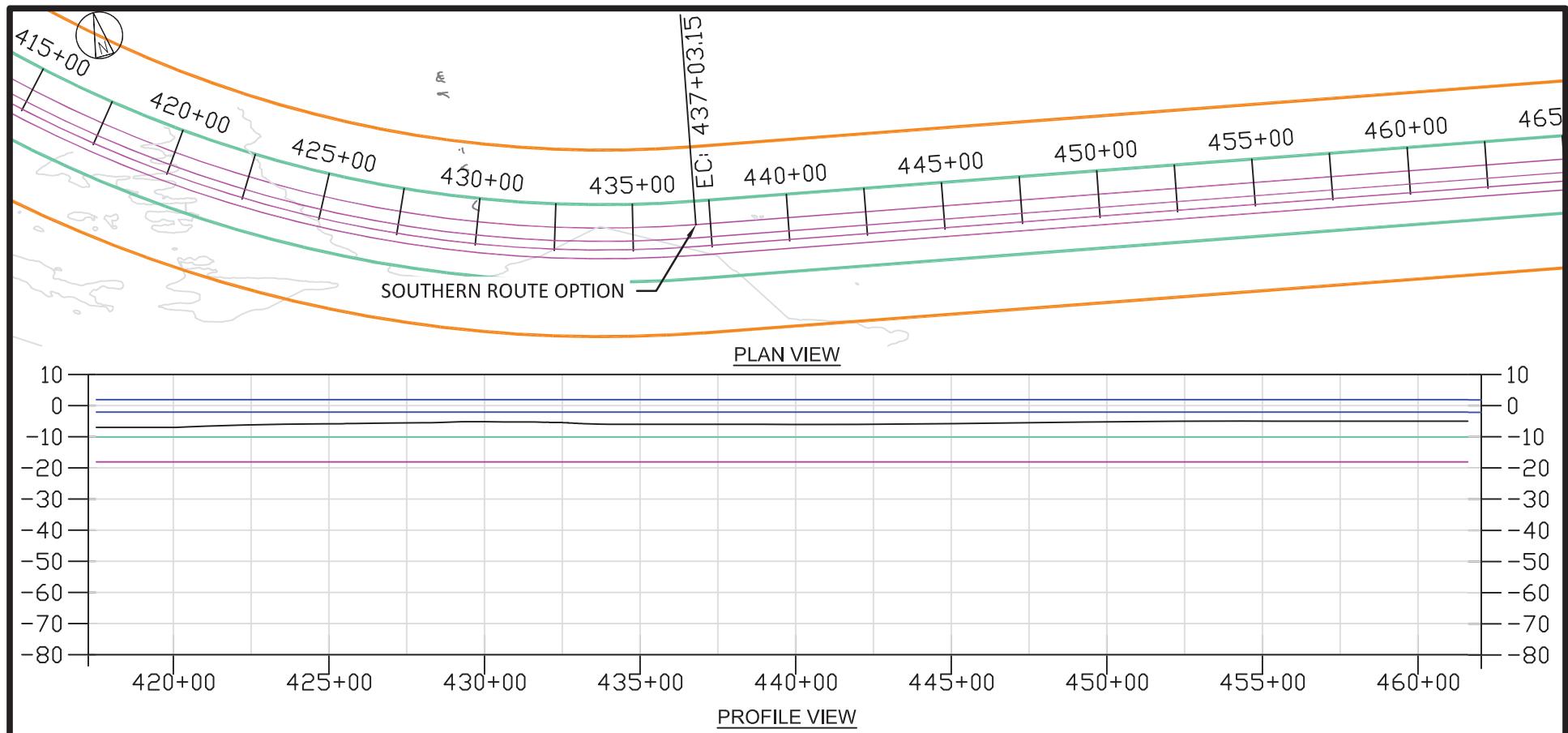
LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



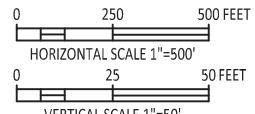
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FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®													
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT	DRAWING NUMBER			REV	
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 17 INDIAN RIVER BAY SOUTHERN ROUTE						CODE					B



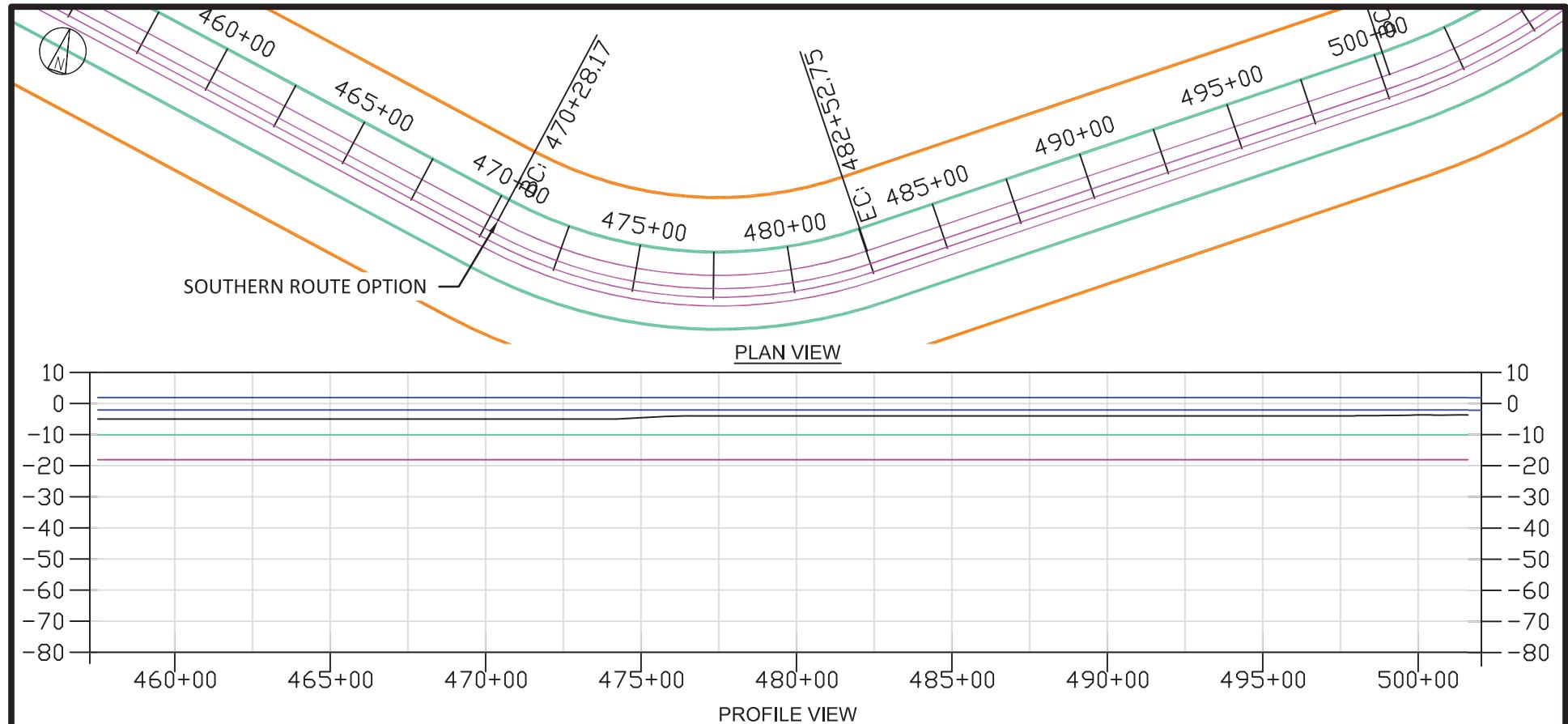
LEGEND:

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- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



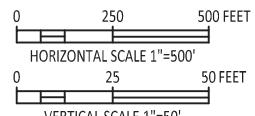
**NOT TO BE USED
FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®												
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES					PROJECT	DRAWING NUMBER			REV	
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 18 INDIAN RIVER BAY SOUTHERN ROUTE					CODE				B	



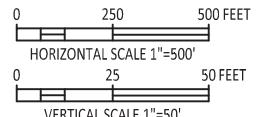
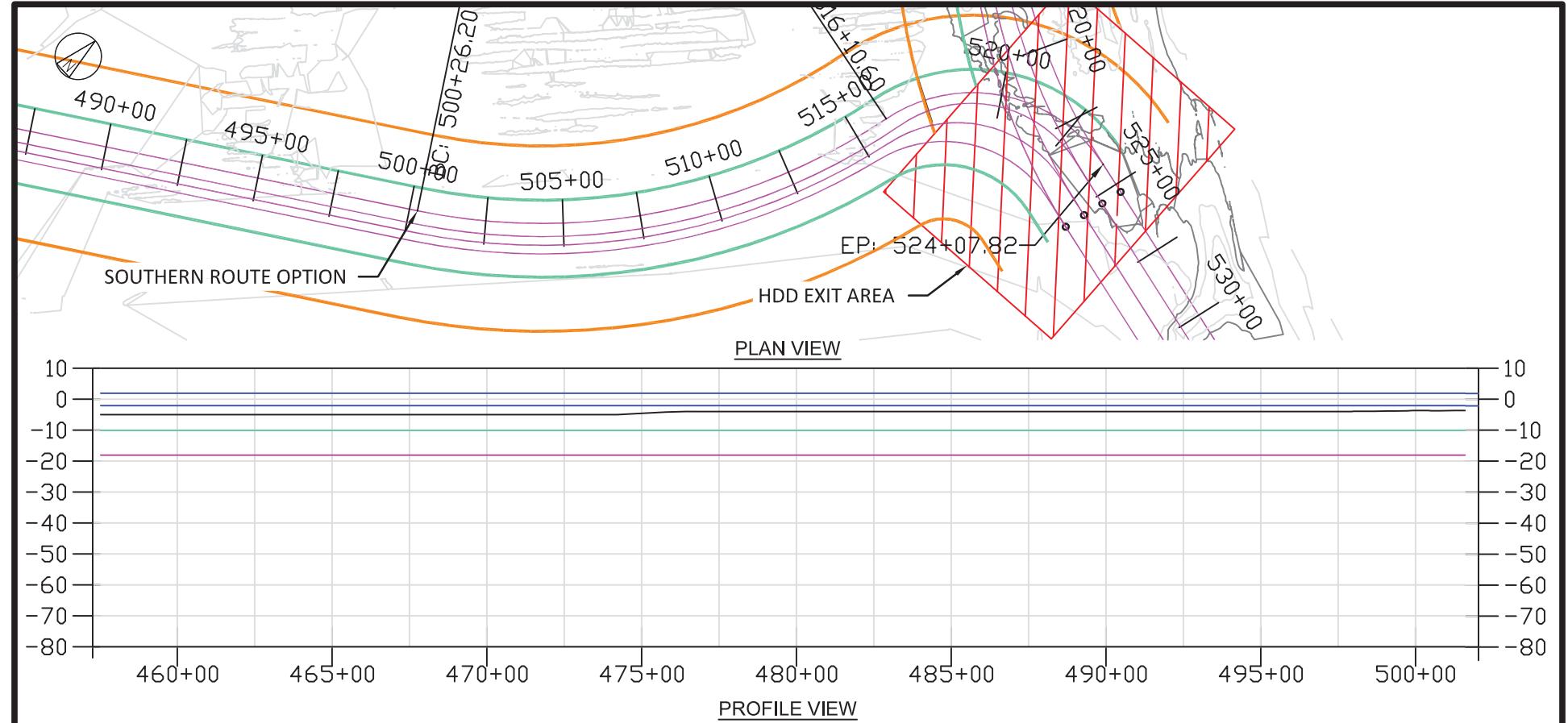
LEGEND:

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 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLLW



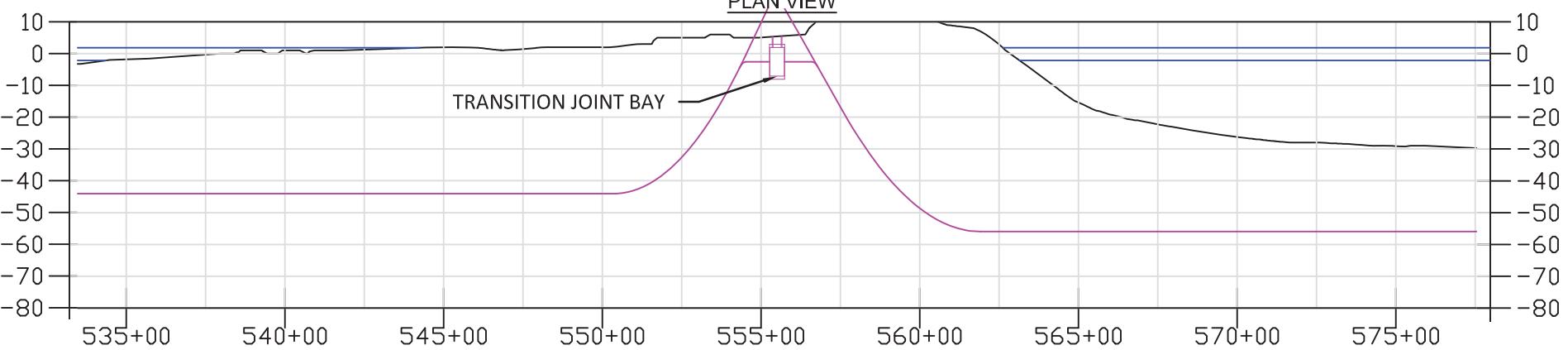
**NOT TO BE USED
FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES					PROJECT 410735 - 022	DRAWING NUMBER			REV B		
DESIGNER GS	DRAWN SLH	PLAN & PROFILE 19 INDIAN RIVER BAY SOUTHERN ROUTE					CODE					
CHECKED RW	DATE 06/14/23						AREA					



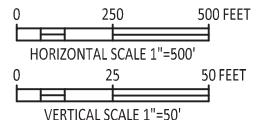
**NOT TO BE USED
FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®														
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER				REV
CHECKED RW	DATE 06/14/23	PLAN & PROFILE 20 INDIAN RIVER BAY SOUTHERN ROUTE							CODE					B



LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLW

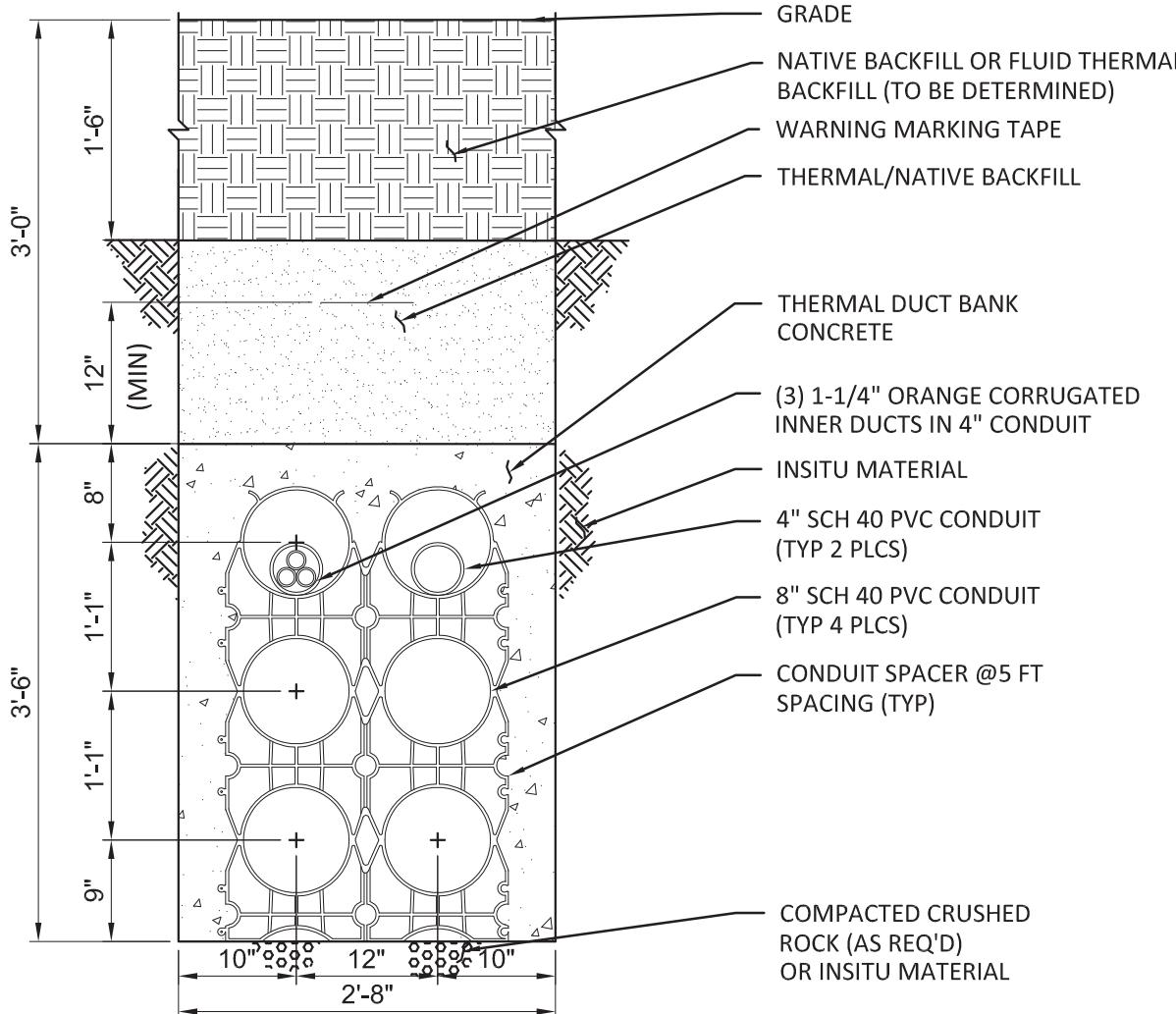


NOT TO BE USED FOR CONSTRUCTION

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV			
DESIGNER GS	DRAWN SLH	ONSHORE PLAN & PROFILE 3R'S PARKING LOT				CODE							
CHECKED RW	DATE 06/14/23					AREA							

Ductbank Cross Section

(Westside Land-based From Transition Vault To Substation)

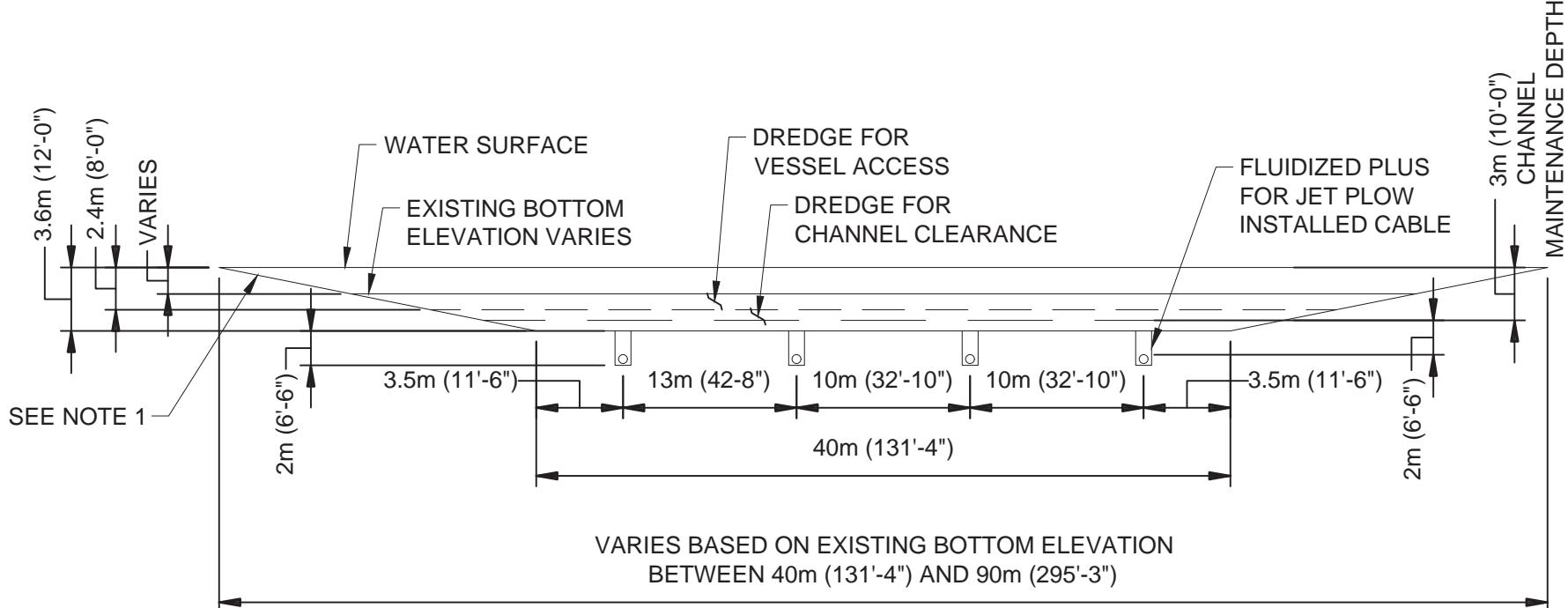


DETAIL 1
8" PVC CONDUIT
2 x 3 DUCT BANK
SCALE: 3/4" = 1'-0"

NOT TO BE USED FOR CONSTRUCTION

					B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
					NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®							PROJECT		DRAWING NUMBER			REV
DESIGNER GS	DRAWN SLH						410735 - 025					B
CHECKED RW	DATE 06/12/23						CODE					
							AREA					
							DUCT BANK SECTION					

Typical Submarine Cable Trench Details During Installation



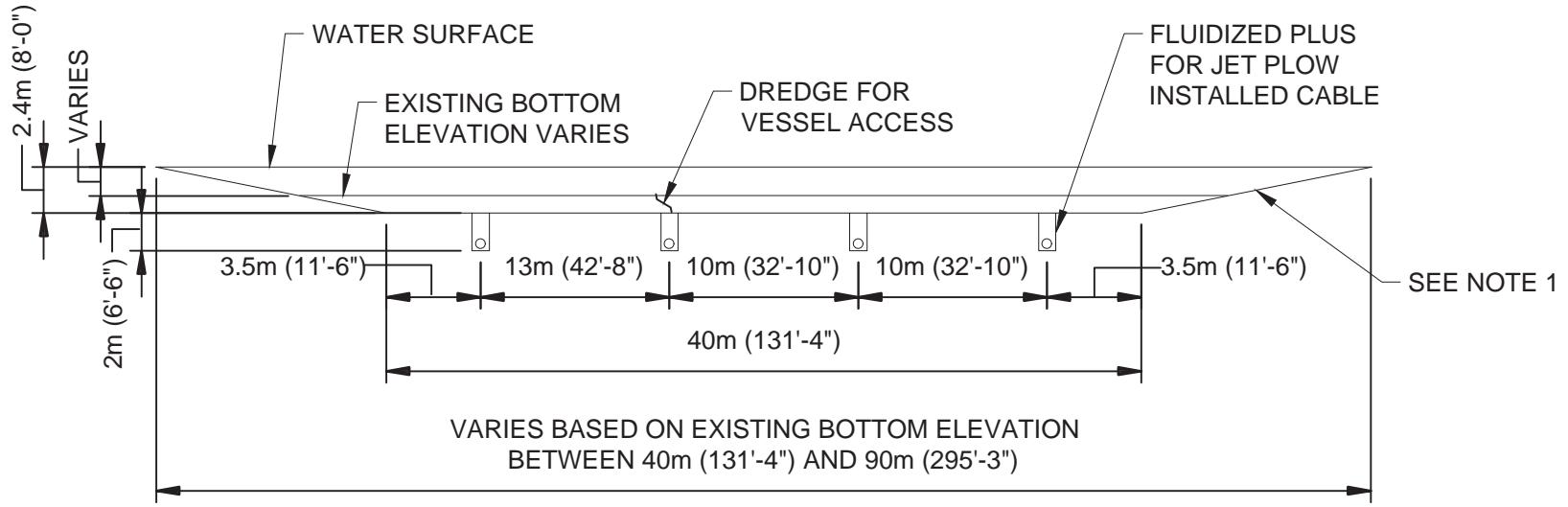
DETAIL A
IN WATER CABLE INSTALLATION CROSS-SECTION
NEAR EXISTING CHANNEL

SCALE: 1/32" = 1'-0"

NOTES:

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

						B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW	
						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES					PROJECT	DRAWING NUMBER					REV
DESIGNER GS	DRAWN SLH	TYPICAL CABLE CORRIDOR CROSS SECTION NEAR NAVIGATIONAL CHANNEL					CODE					
CHECKED RW	DATE 06/14/23						AREA					



DETAIL B
IN WATER CABLE INSTALLATION CROSS-SECTION
(AWAY FROM NAVIGATIONAL CHANNEL)

SCALE: 1/32" = 1'-0"

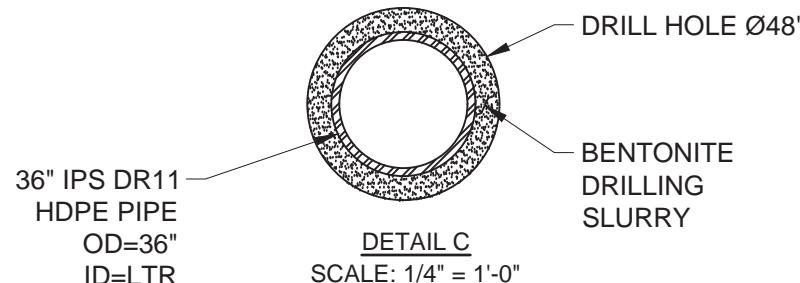
NOTES:

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

					B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
					NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER			REV			
DESIGNER GS	DRAWN SLH	TYPICAL CABLE CORRIDOR CROSS SECTION AWAY FROM NAVIGATIONAL CHANNEL				CODE						
CHECKED RW	DATE 06/14/23					AREA						

Horizontal Directional Drill

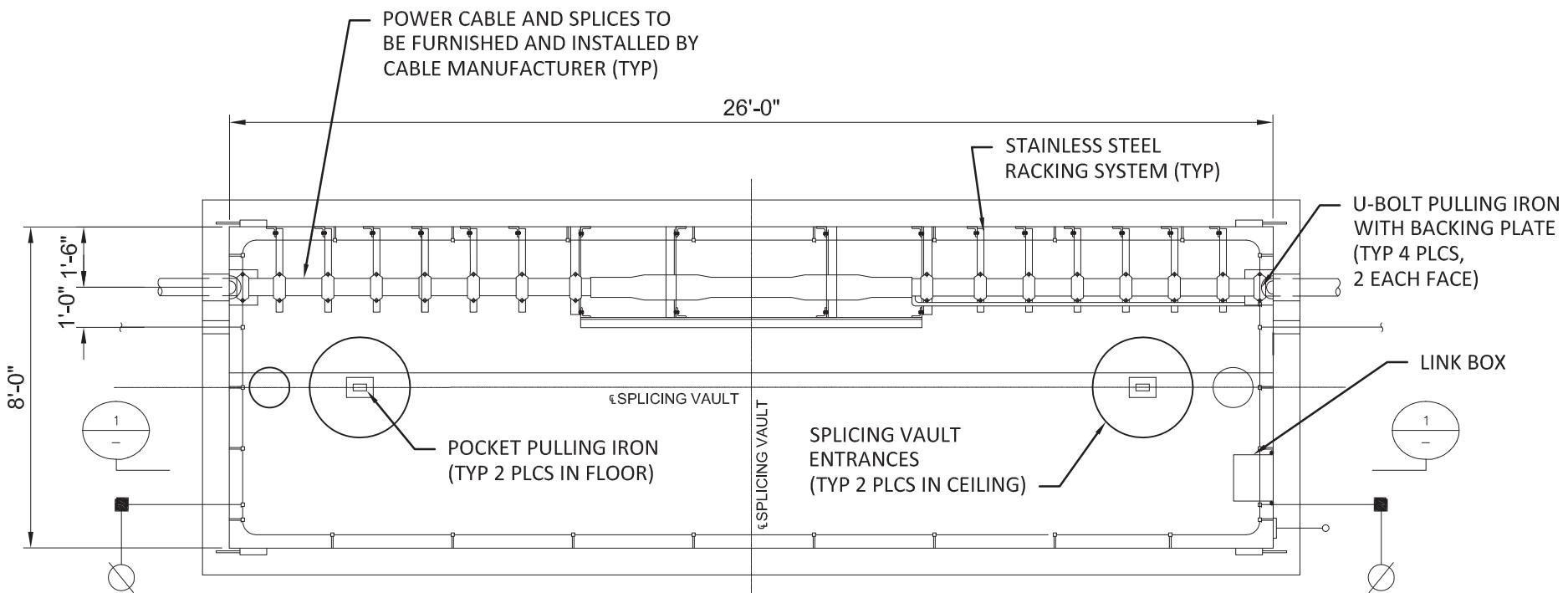
Cross Section



								B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
								NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER			REV			
DESIGNER GS	DRAWN SLH	HDD SECTION							CODE						
CHECKED RW	DATE 06/14/23								AREA						

West Side Splicing Vault Details

(Near Substation If Needed)

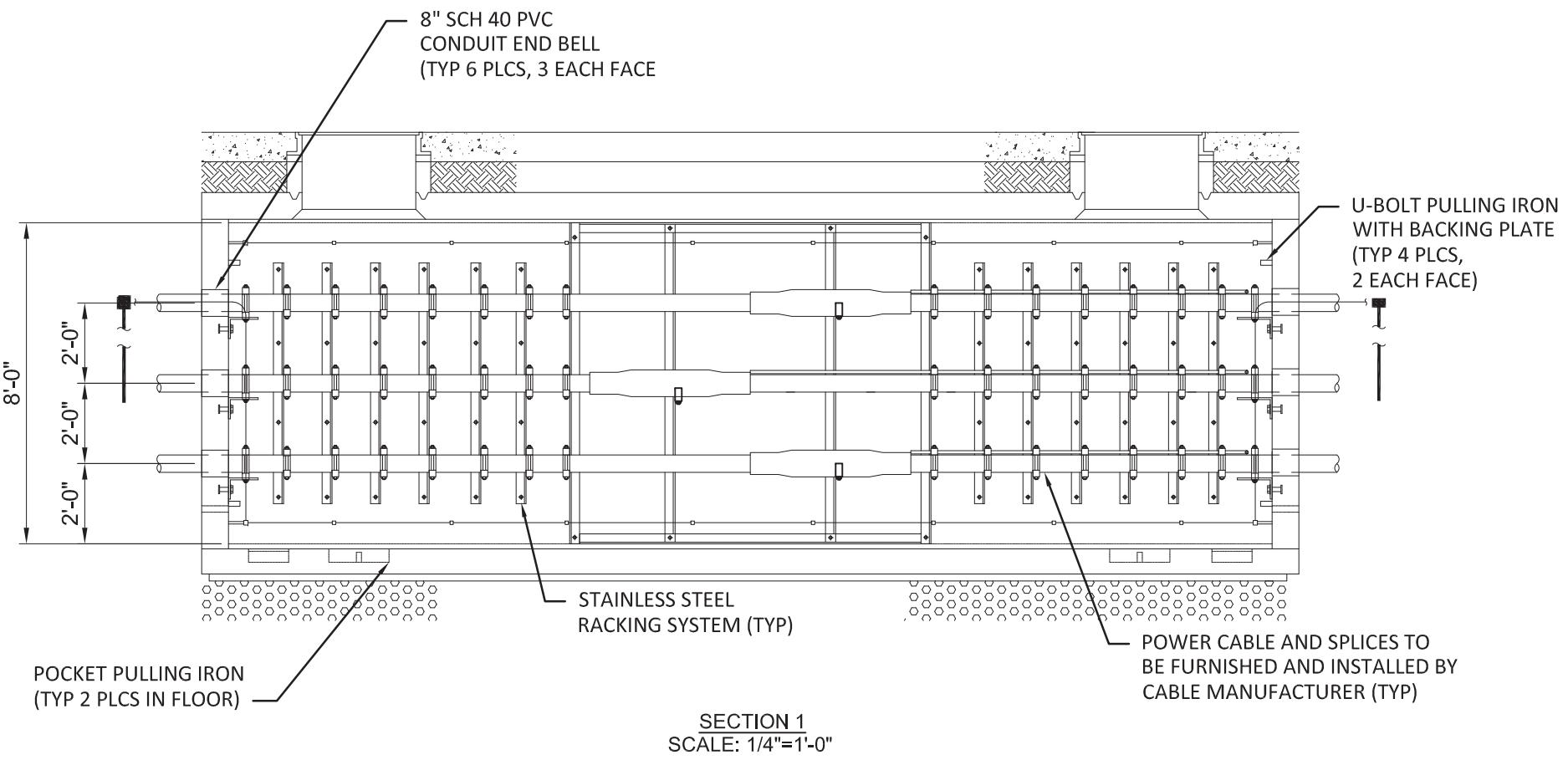


PLAN VIEW

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

**NOT TO BE USED
FOR CONSTRUCTION**

						B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - SINGLE CIRCUIT VAULT						PROJECT	DRAWING NUMBER				REV	
DESIGNER GS	DRAWN SLH	SPLICING VAULT ON LAND - PLAN VIEW						CODE					
CHECKED RW	DATE 06/14/23							AREA					



**NOT TO BE USED
FOR CONSTRUCTION**

					B	08/25/23	PERMITTING COMMENTS UPDATE			SLH	GS	RW		
					NO	DATE	REVISIONS AND RECORD OF ISSUE			DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - SINGLE CIRCUIT VAULT				PROJECT	DRAWING NUMBER				REV				
DESIGNER GS	DRAWN SLH	SPlicing VAULT ON LAND - SECTION VIEW				CODE								
CHECKED RW	DATE 06/14/23					AREA								

Transition Vault Details

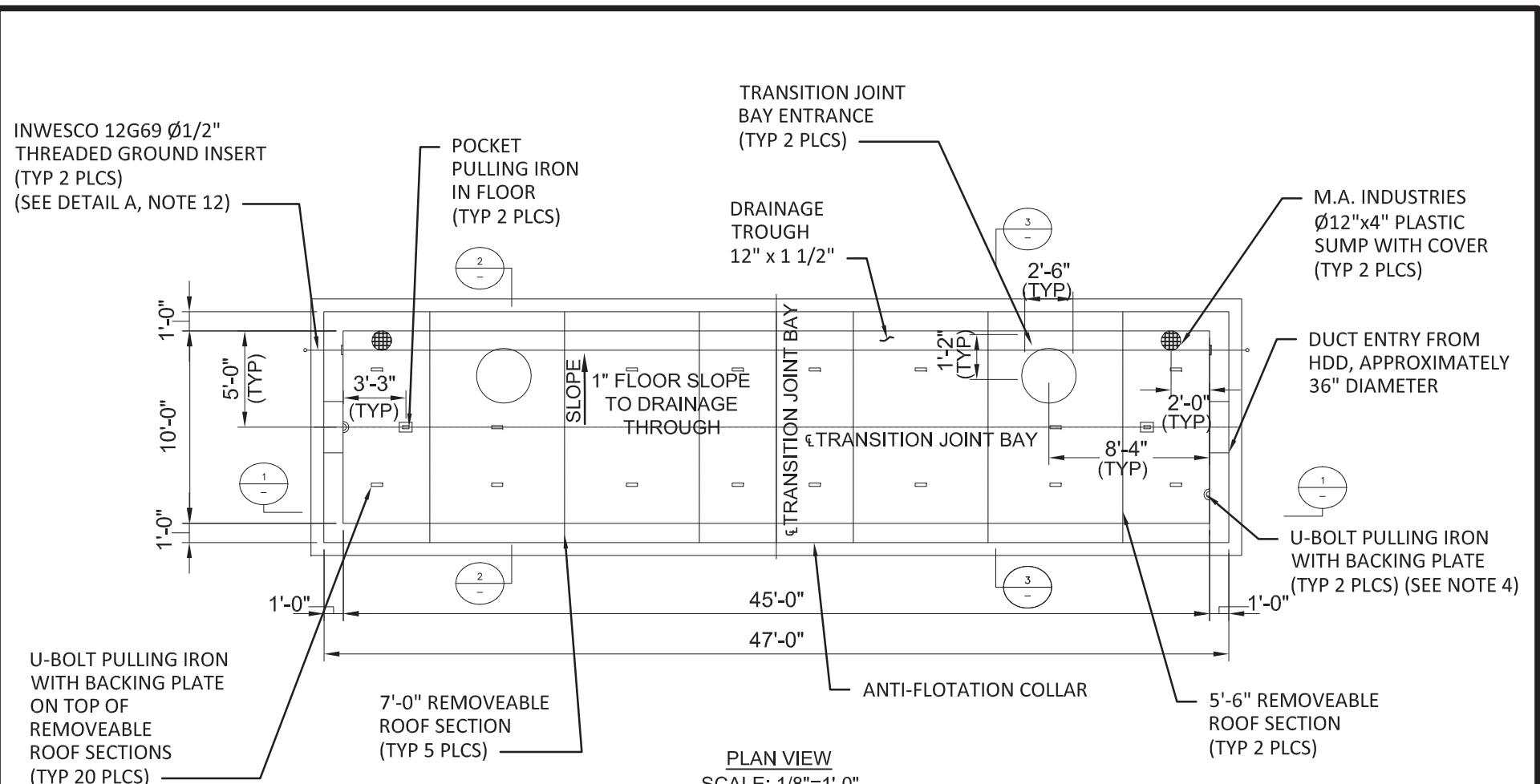
**-3 R's Parking Lot Submarine Cable to
Submarine Cable Splices**

**-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.

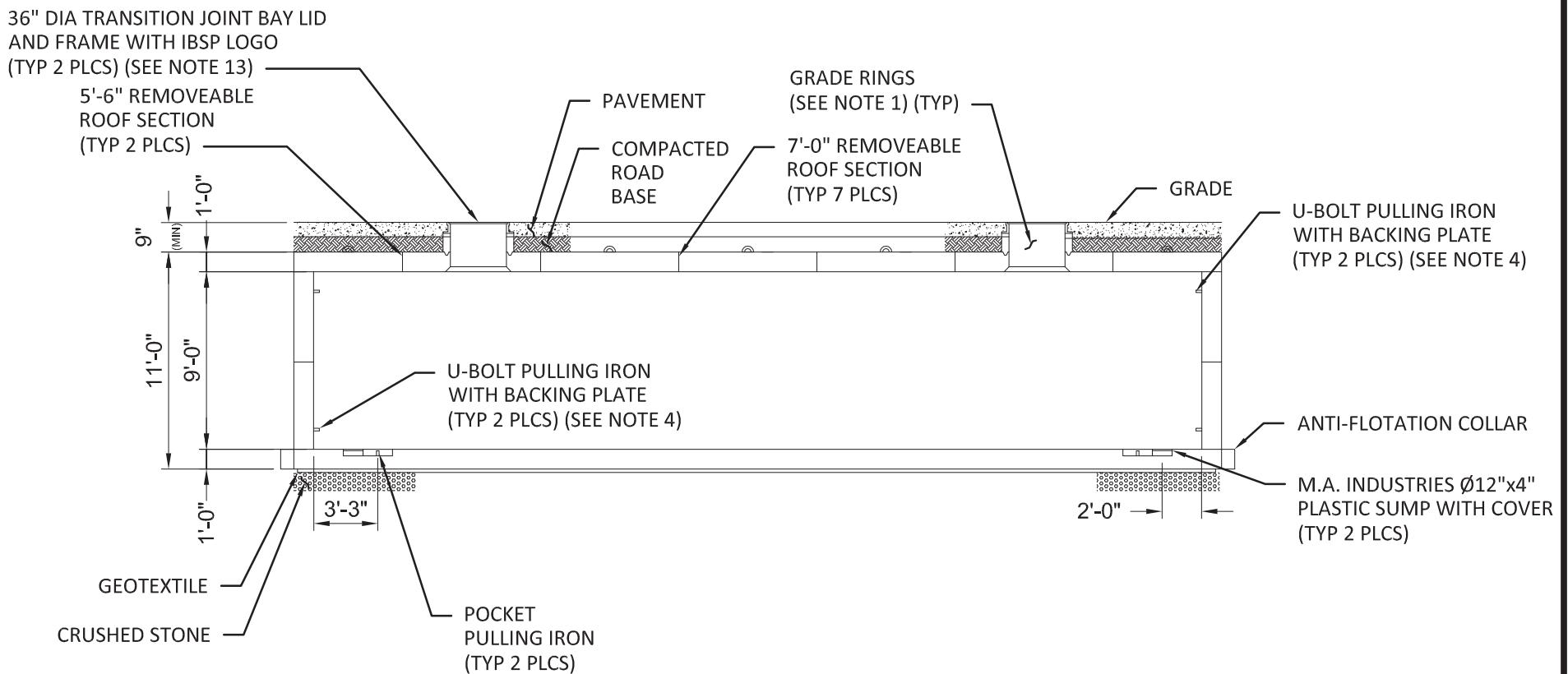
**NOT TO BE USED
FOR CONSTRUCTION**

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						NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES						PROJECT	DRAWING NUMBER			REV		
DESIGNER GS	DRAWN SLH	TRANSITION VAULT DETAILS -NOTES						CODE					
CHECKED RW	DATE 06/14/23							AREA					



NOT TO BE USED FOR CONSTRUCTION

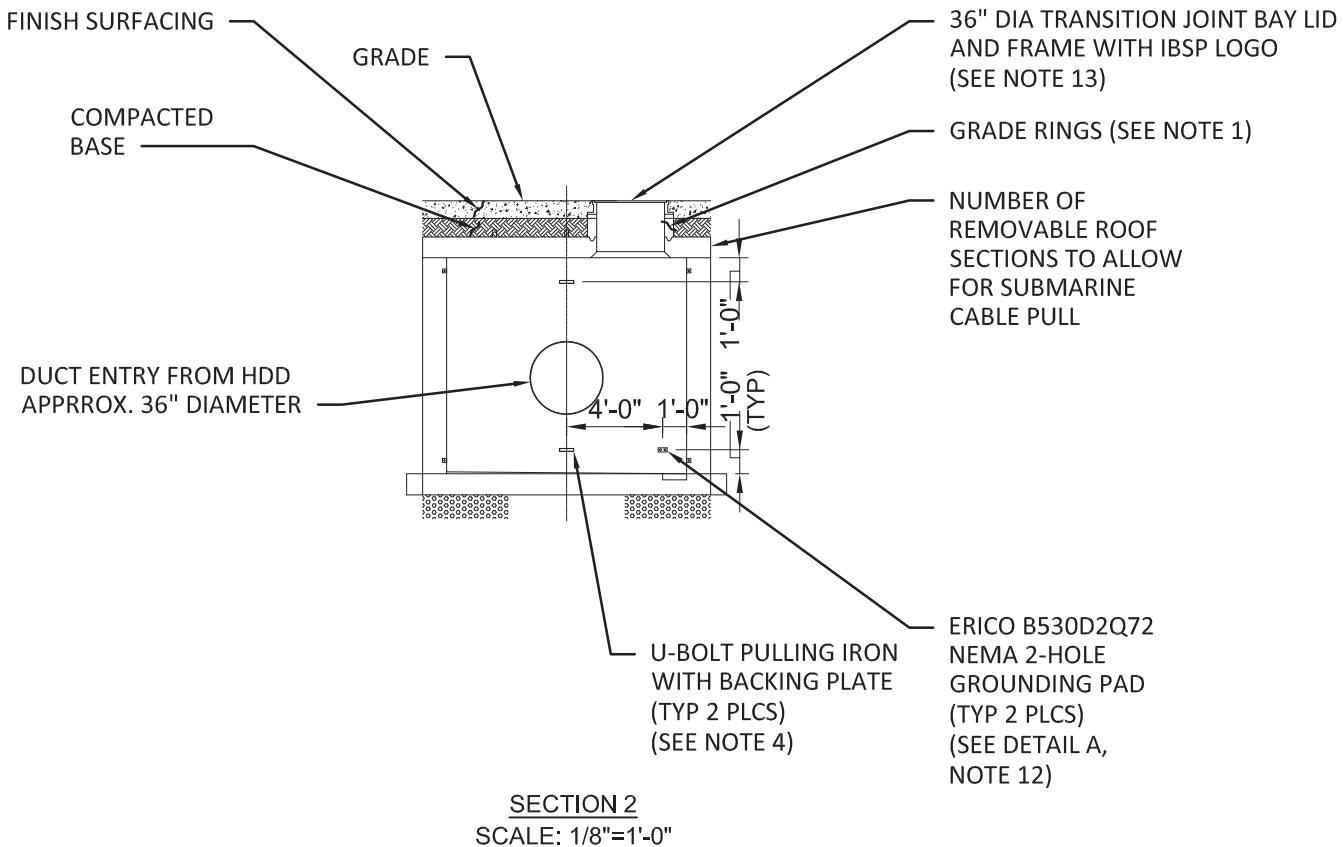
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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT 410735 - 032	DRAWING NUMBER			REV B	
DESIGNER GS	DRAWN SLH	TRANSITION VAULT DETAILS -PLAN VIEW							CODE				
CHECKED RW	DATE 06/14/23								AREA				



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

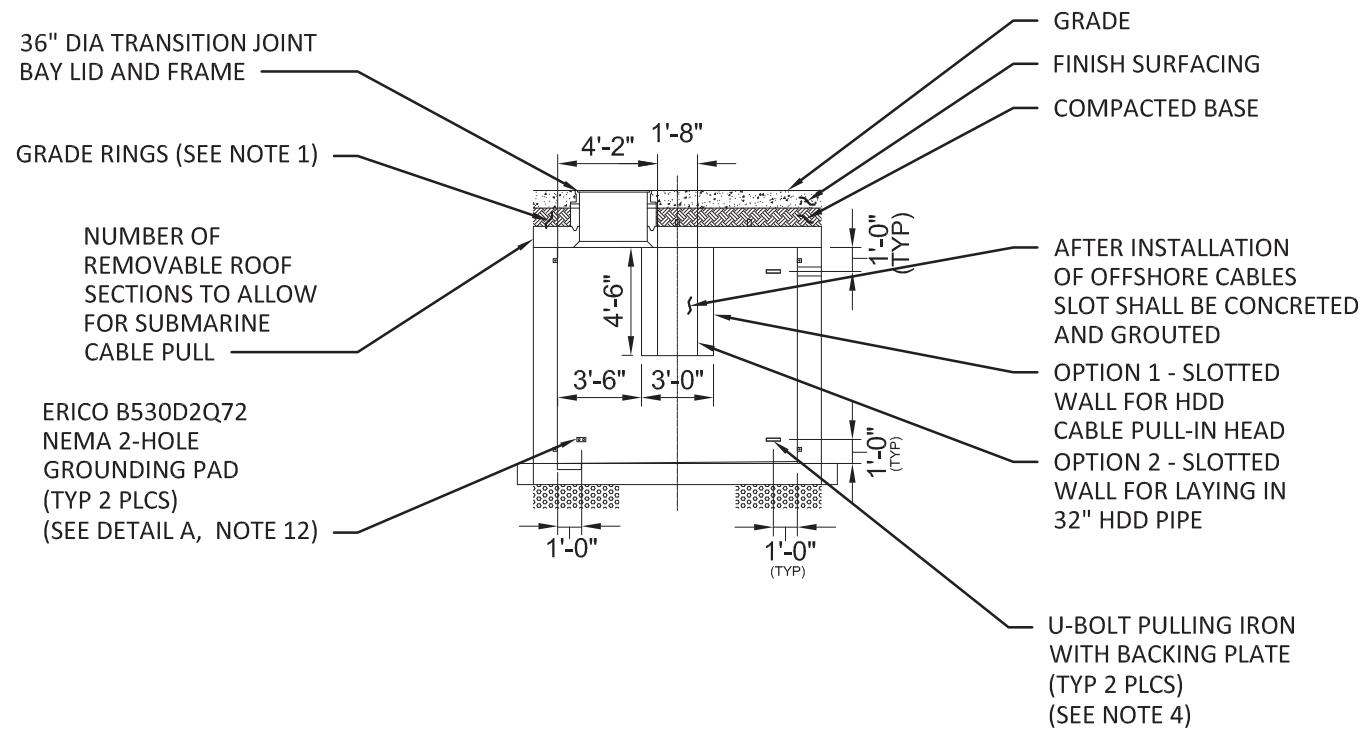
NOT TO BE USED FOR CONSTRUCTION

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES					PROJECT	DRAWING NUMBER			REV		
DESIGNER GS	DRAWN SLH					410735 - 033						
CHECKED RW	DATE 06/14/23	TRANSITION VAULT DETAILS -SECTION VIEW					CODE					
							AREA					



NOT TO BE USED FOR CONSTRUCTION

					B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
					NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES					PROJECT	DRAWING NUMBER			REV		
DESIGNER GS	DRAWN SLH					410735 - 034						B
CHECKED RW	DATE 06/14/23	TRANSITION VAULT DETAILS - SECTION 2 VIEW					CODE					
							AREA					



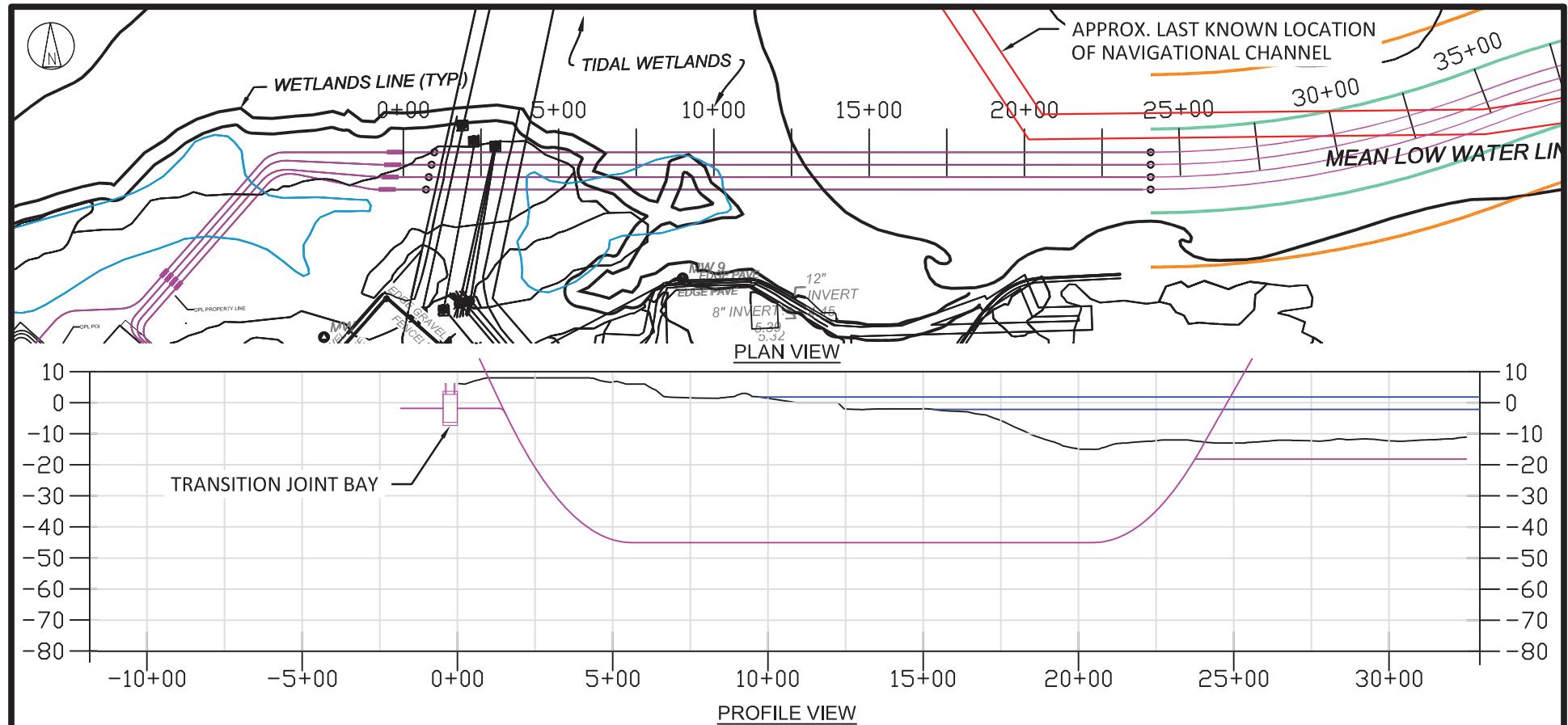
SECTION 3

NOT TO BE USED FOR CONSTRUCTION

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV		
DESIGNER GS	DRAWN SLH	TRANSITION VAULT DETAILS -SECTION 3 VIEW				CODE					B	
CHECKED RW	DATE 06/14/23					AREA						

Horizontal Directional Drill

Plan and Profiles



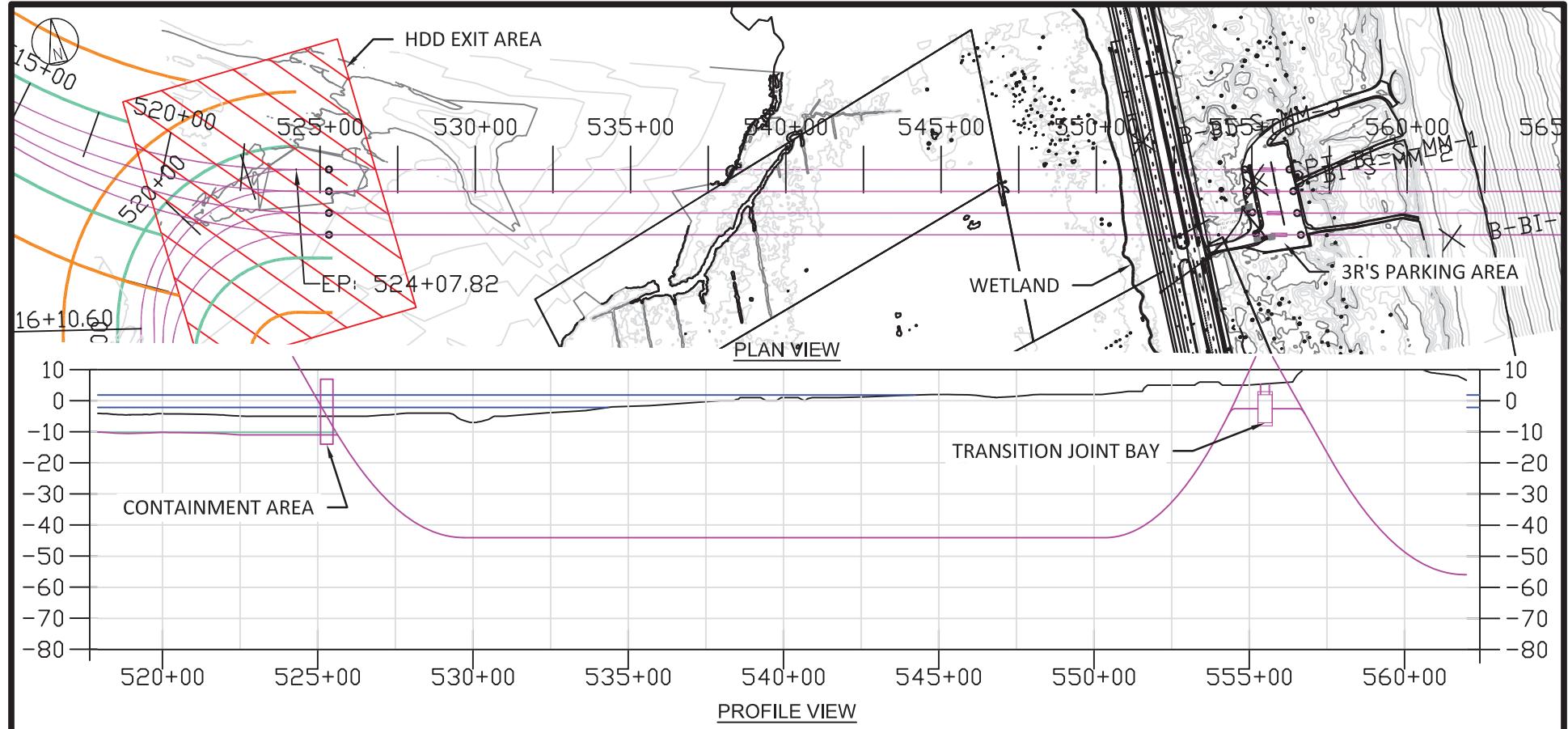
LEGEND:

- EXPORT CABLE
 - BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
 - TEMPORARY WORK AREA
 - MHHW
 - MLW

The figure consists of two horizontal scale bars. The top bar is labeled "HORIZONTAL SCALE 1"=500' FEET" and has tick marks at 0, 250, and 500. The bottom bar is labeled "VERTICAL SCALE 1"=50' FEET" and has tick marks at 0, 25, and 50.

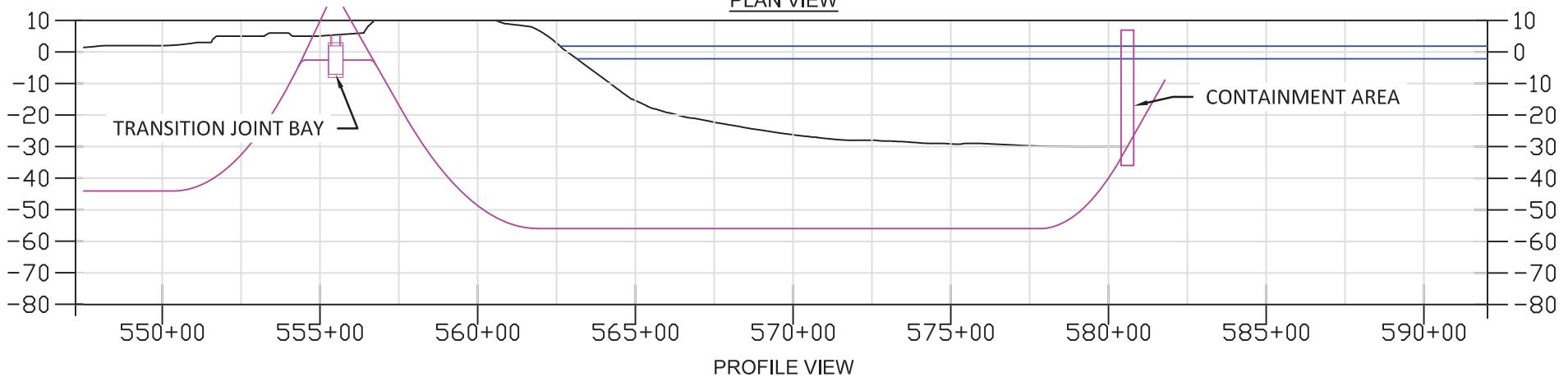
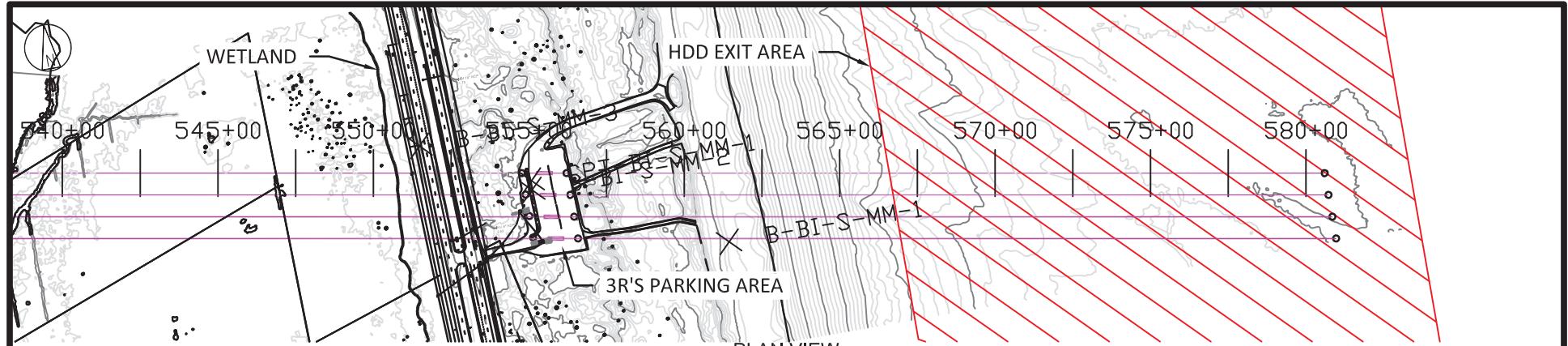
**NOT TO BE USED
FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES				PROJECT	DRAWING NUMBER				REV			
DESIGNER GS	DRAWN SLH	HDD 1 PLAN & PROFILE WEST LANDING				CODE							
CHECKED RW	DATE 06/14/23					AREA							



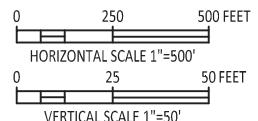
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FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®														
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER			REV	
CHECKED RW	DATE 06/14/23	HDD PLAN & PROFILE 2 EAST LANDING - IRB							CODE					B



LEGEND:

- EXPORT CABLE
- BARGE ACCESS DREDGE LINE (DOES NOT INCLUDE SLIDE SLOPES)
- TEMPORARY WORK AREA
- MHHW
- MLLW



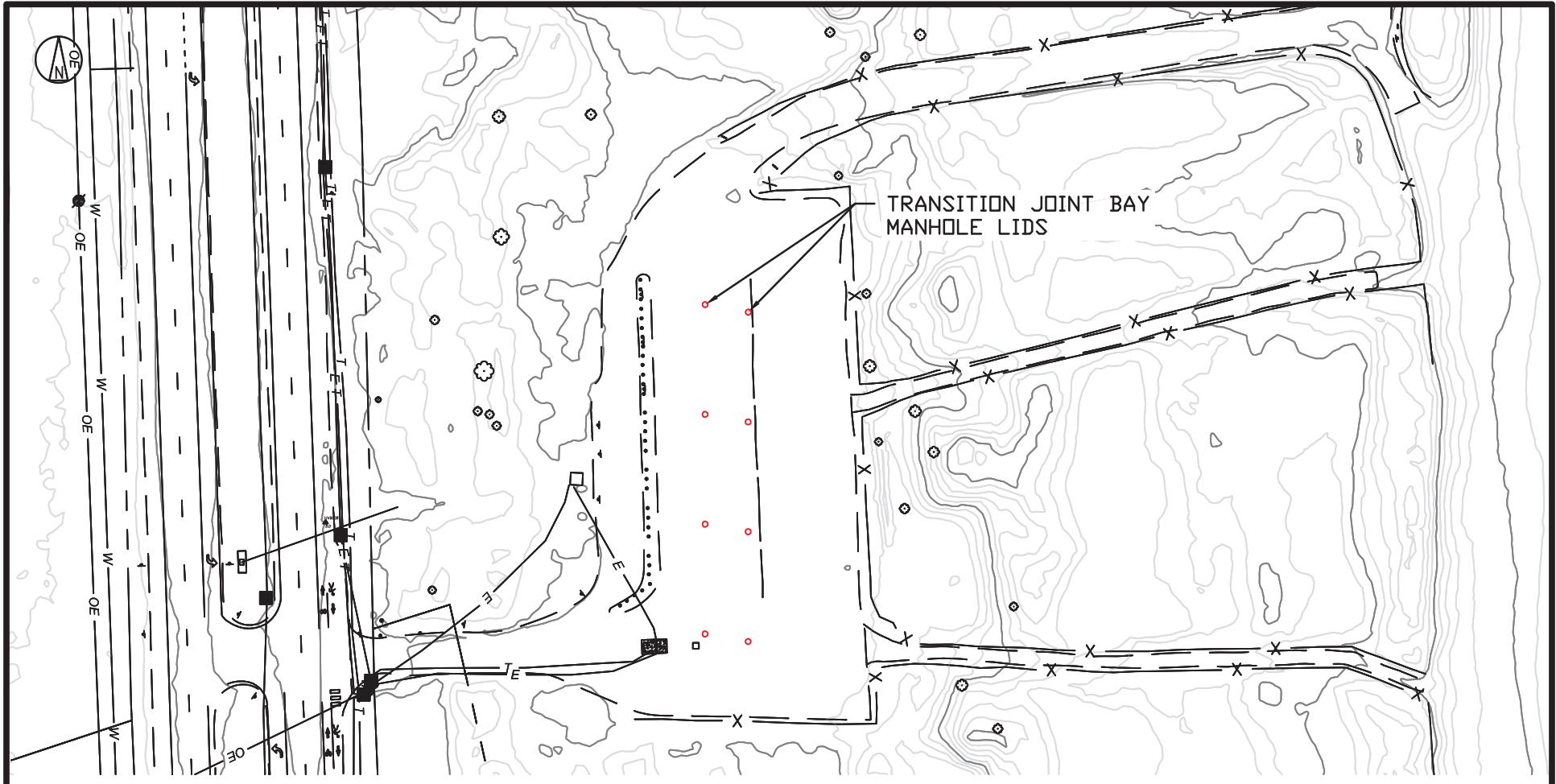
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FOR CONSTRUCTION**

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BLACK & VEATCH Building a world of difference®														
DESIGNER GS	DRAWN SLH								PROJECT		DRAWING NUMBER			REV
CHECKED RW	DATE 06/14/23								410735 - 038					B
HDD 3 PLAN & PROFILE EAST LANDING - ATLANTIC														
CODE									AREA					

East Landing – 3 R's Parking Lot

Permanent Disturbance

(Manhole Lids Only)



PLAN VIEW

0 50 100 FEET

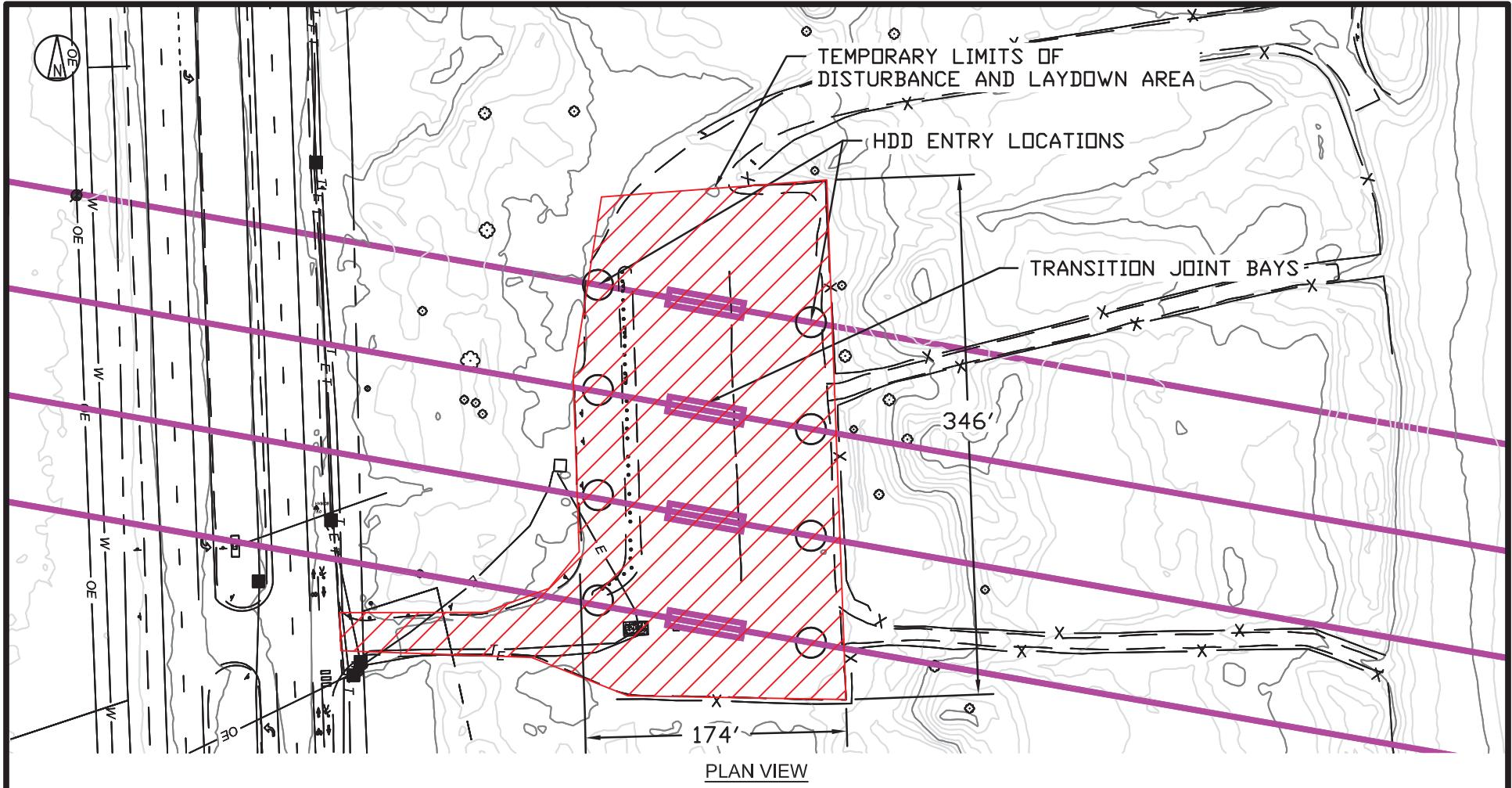
SCALE 1"=100'

**NOT TO BE USED
FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES					PROJECT 410735	DRAWING NUMBER - 039			REV B		
DESIGNER GS	DRAWN SLH	3R'S PARKING LOT PERMANENT DISTURBANCE AREA					CODE					
CHECKED RW	DATE 08/25/23						AREA					

East Landing – 3 R's Parking Lot

Temporary Disturbance During Installation



NOTE:

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

0 50 100 FEET

SCALE 1"=100'

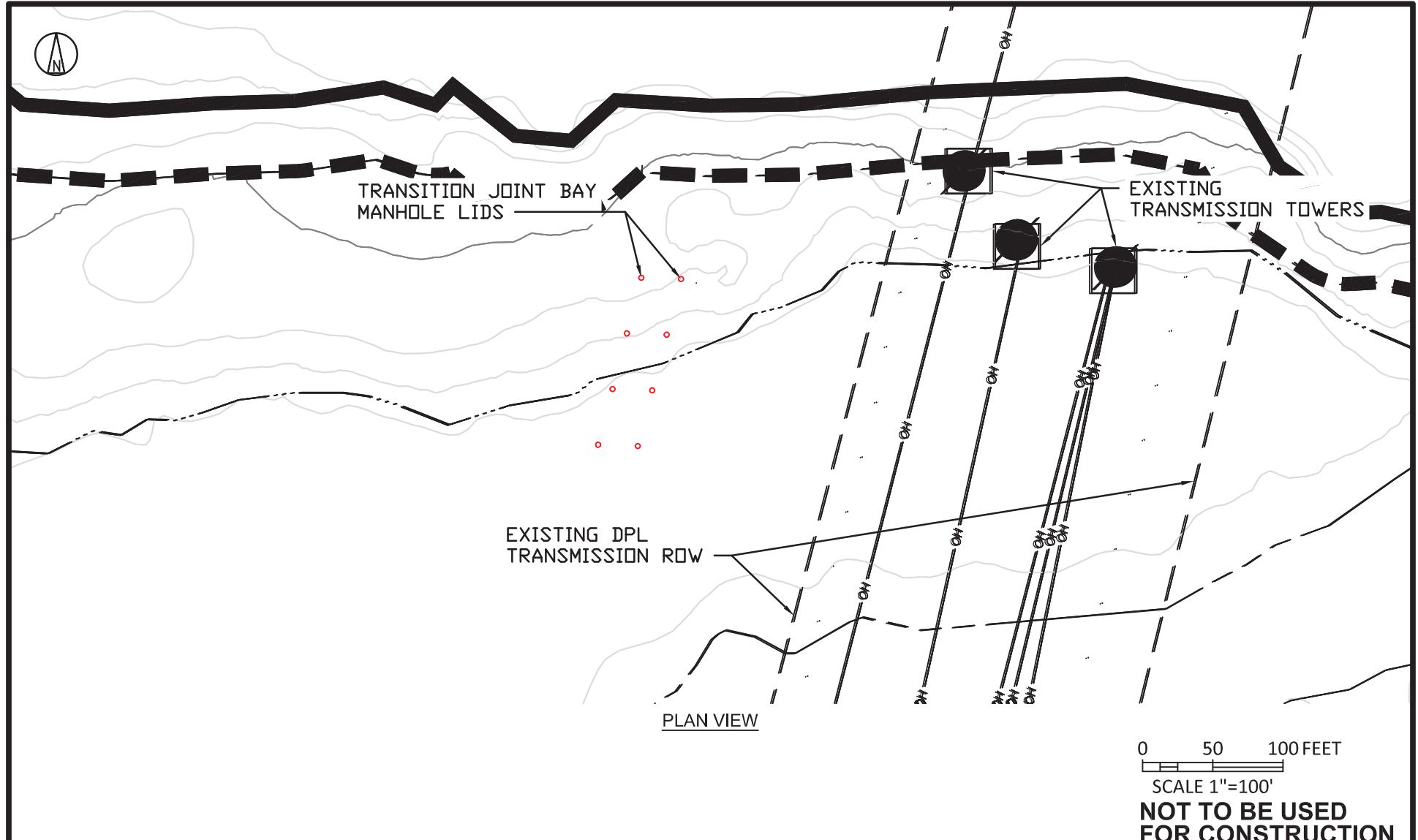
NOT TO BE

**NOT TO BE USED
FOR CONSTRUCTION**

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 BLACK & VEATCH Building a world of difference®	US WIND INDIAN RIVER BAY - EXPORT CABLES							PROJECT	DRAWING NUMBER			REV			
DESIGNER GS	DRAWN SLH	3R'S PARKING LOT TEMPORARY DISTURBANCE AREA							CODE						
CHECKED RW	DATE 08/25/23								AREA						

West Landing – Vicinity Of Substations

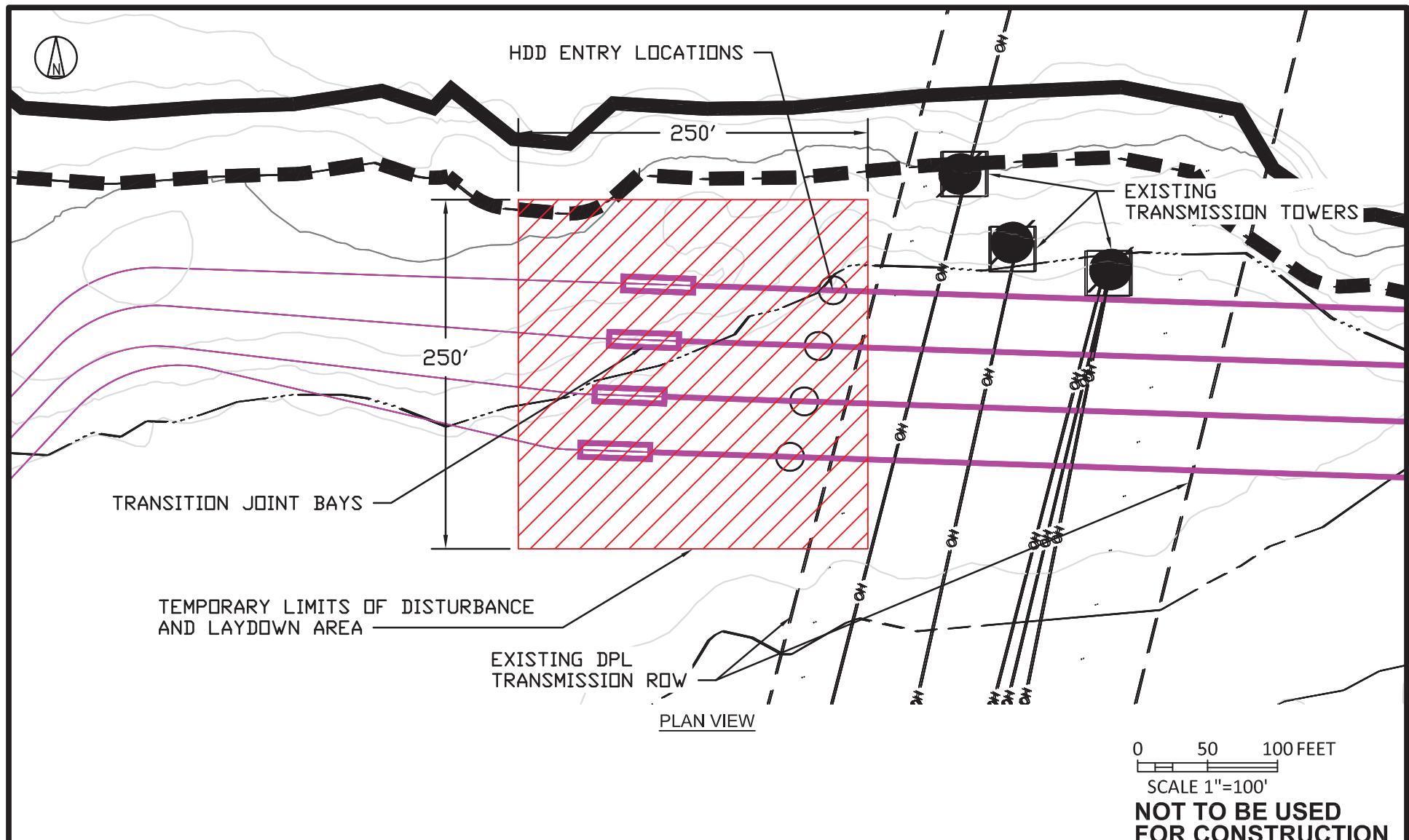
Permanent Disturbance (Manhole Lids Only)



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BLACK & VEATCH Building a world of difference®												
DESIGNER GS	DRAWN SLH	US WIND INDIAN RIVER BAY - EXPORT CABLES					PROJECT 410735 - 041	DRAWING NUMBER			REV B	
CHECKED RW	DATE 08/25/23	WEST LANDING PERMANENT DISTURBANCE AREA					CODE					

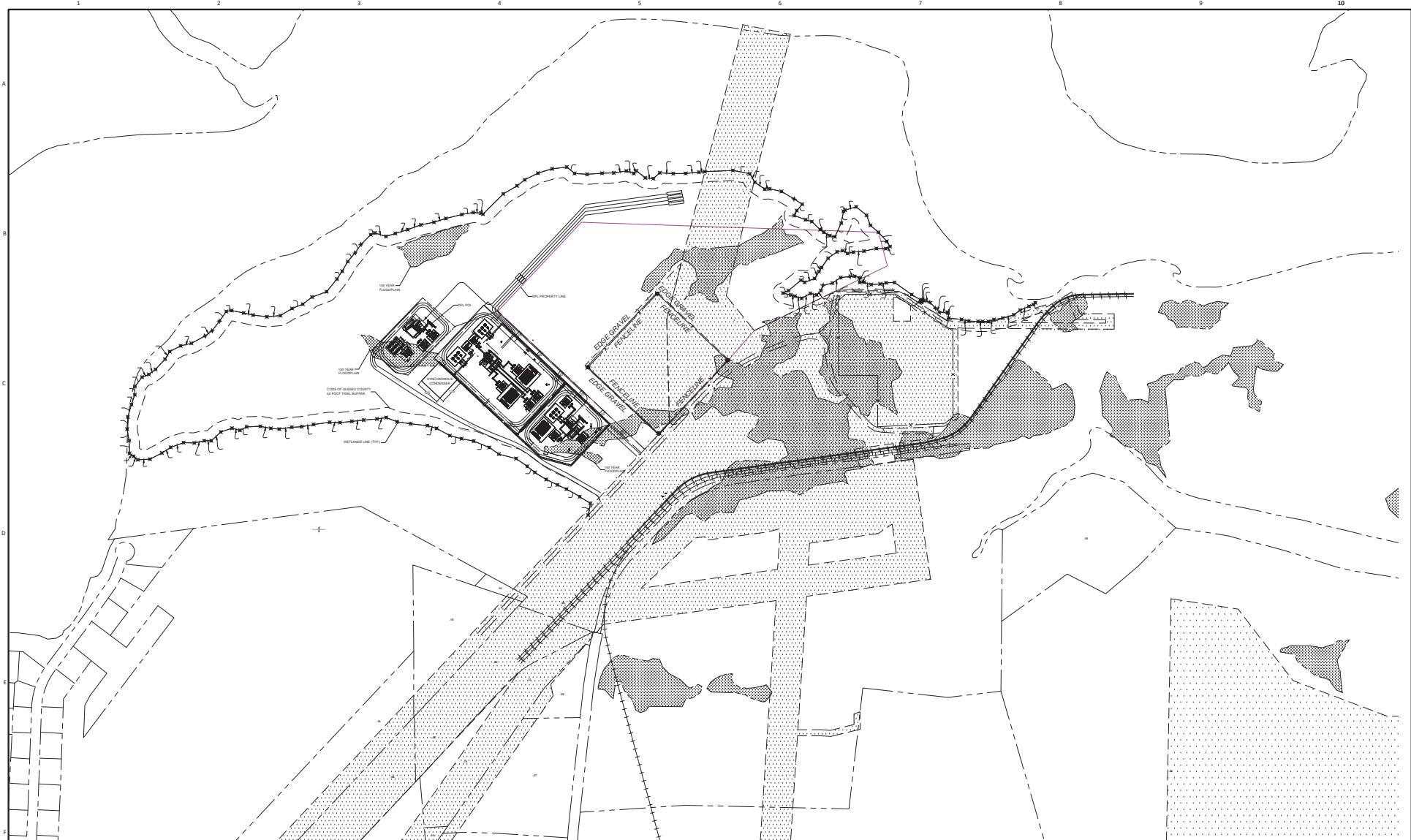
West Landing – Vicinity of Substations

Temporary Disturbance During Installation



**NOT TO BE USED
FOR CONSTRUCTION**

					B	08/25/23	PERMITTING COMMENTS UPDATE	SLH	GS	RW		
					NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
 BLACK & VEATCH Building a world of difference®					US WIND		PROJECT		DRAWING NUMBER		REV	
DESIGNER GS	DRAWN SLH				INDIAN RIVER BAY - EXPORT CABLES		410735 - 042				B	
CHECKED RW	DATE 08/25/23				WEST LANDING TEMPORARY DISTURBANCE AREA		CODE		AREA			



**FOR REFERENCE ONLY
NOT FOR CONSTRUCTION**

A	06/15/2023	ISSUED FOR PERMITTING		LS	CM								

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



BLACK & VEATCH
Fueling our future, naturally.

DESIGNER	DRAWN

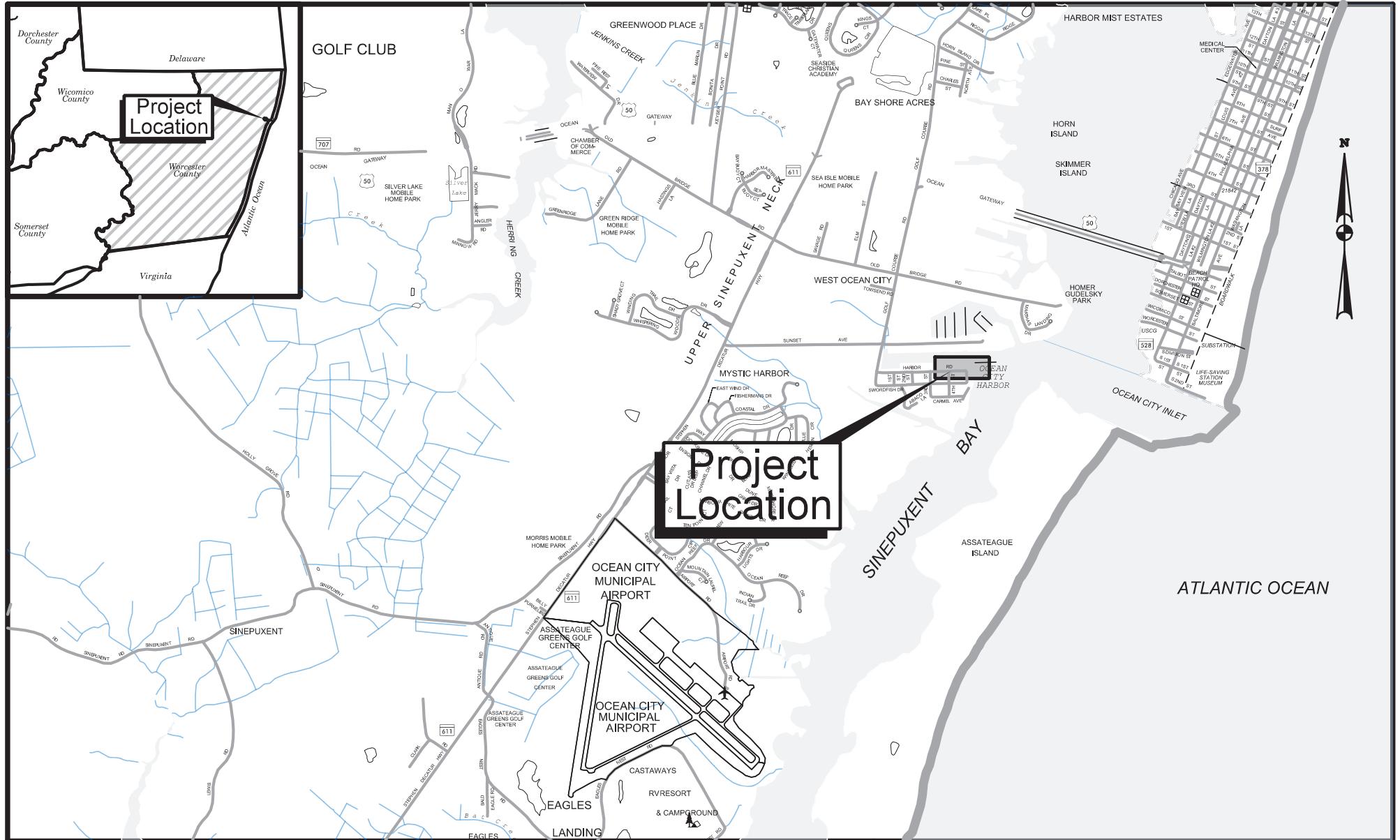
CHECKED DATE

MARYLAND OFFSHORE WIND PROJECT
MARWIN SUBSTATION SITE

PROJECT DRAWING NUMBER
410735-PPA-S8005

ON SHORE SUBSTATIONS
SITE PLAN

REV A



Revisions

WORCESTER COUNTY

OPERATIONS AND MAINTENANCE FACILITY PIER INSTALLATION

LOCATION MAP

SCALE: 1" = 2,500'

DATE: AUGUST 2023

PLATE 01 of 08

**McCORMICK
TAYLOR**

LEGEND

-  MHW Mean High Water Elevation (0.82')
-  MLW Mean Low Water Elevation
-  18 inch Bulkhead Repair
-  New Timber Fender System
-  New Timber Fender System and Wave Screen
-  New Cleat
-  Estuarine Subtidal Unconsolidated Bottom (E1UBL) - Permanent Impact
-  Limit of Federal Channel

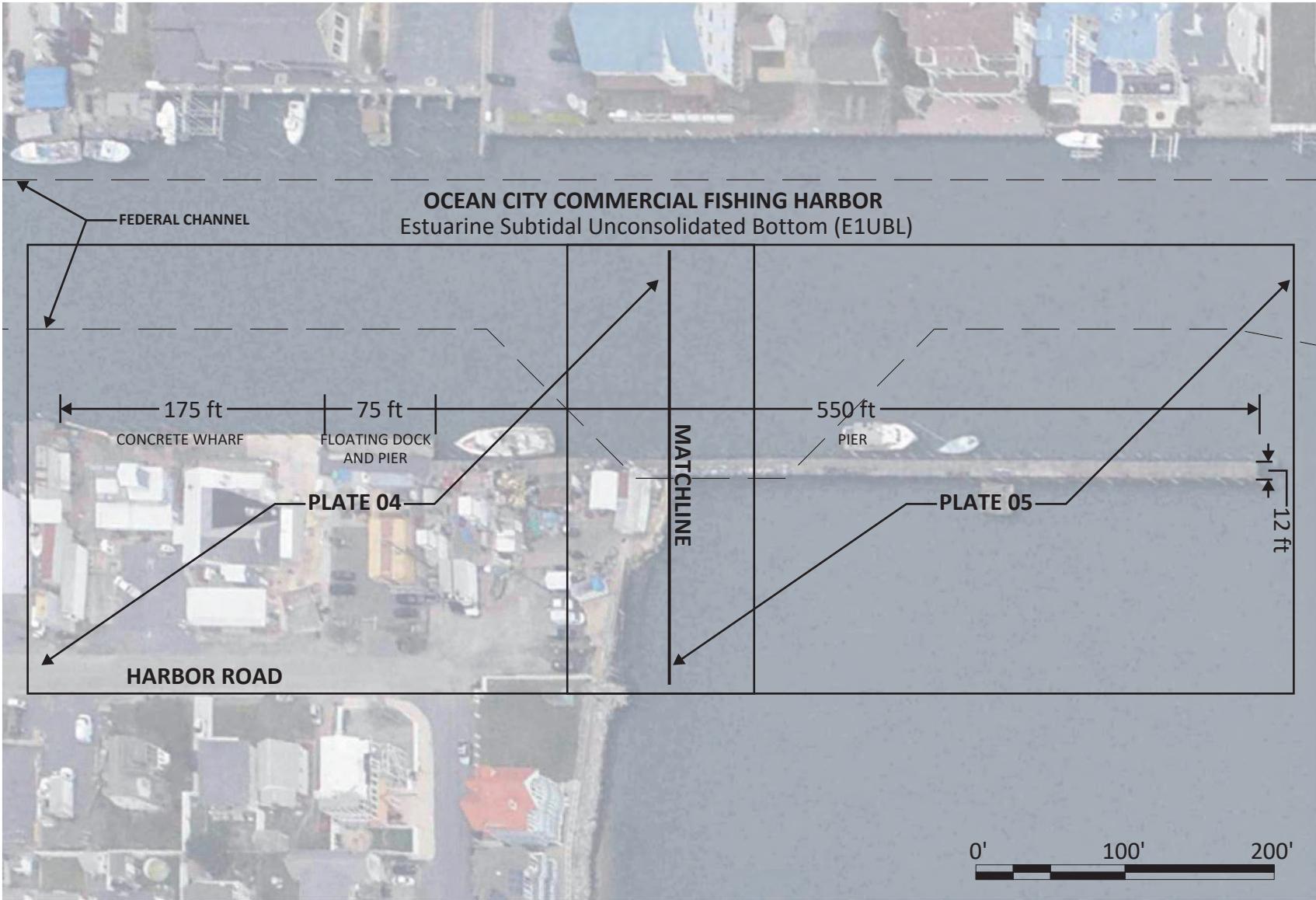
Operations & Maintenance Facility

Plate Number	Name	Permanent Impact (SF)		
		Bulkhead	Pier	TOTAL
04	Estuarine Subtidal Unconsolidated Bottom (E1UBL), Section C-C	262	438	700
04	Estuarine Subtidal Unconsolidated Bottom (E1UBL), Section B-B	390	6,130	6,520
05	Estuarine Subtidal Unconsolidated Bottom (E1UBL), Section A-A	--	12,480	12,480
Totals		652	19,048	19,700

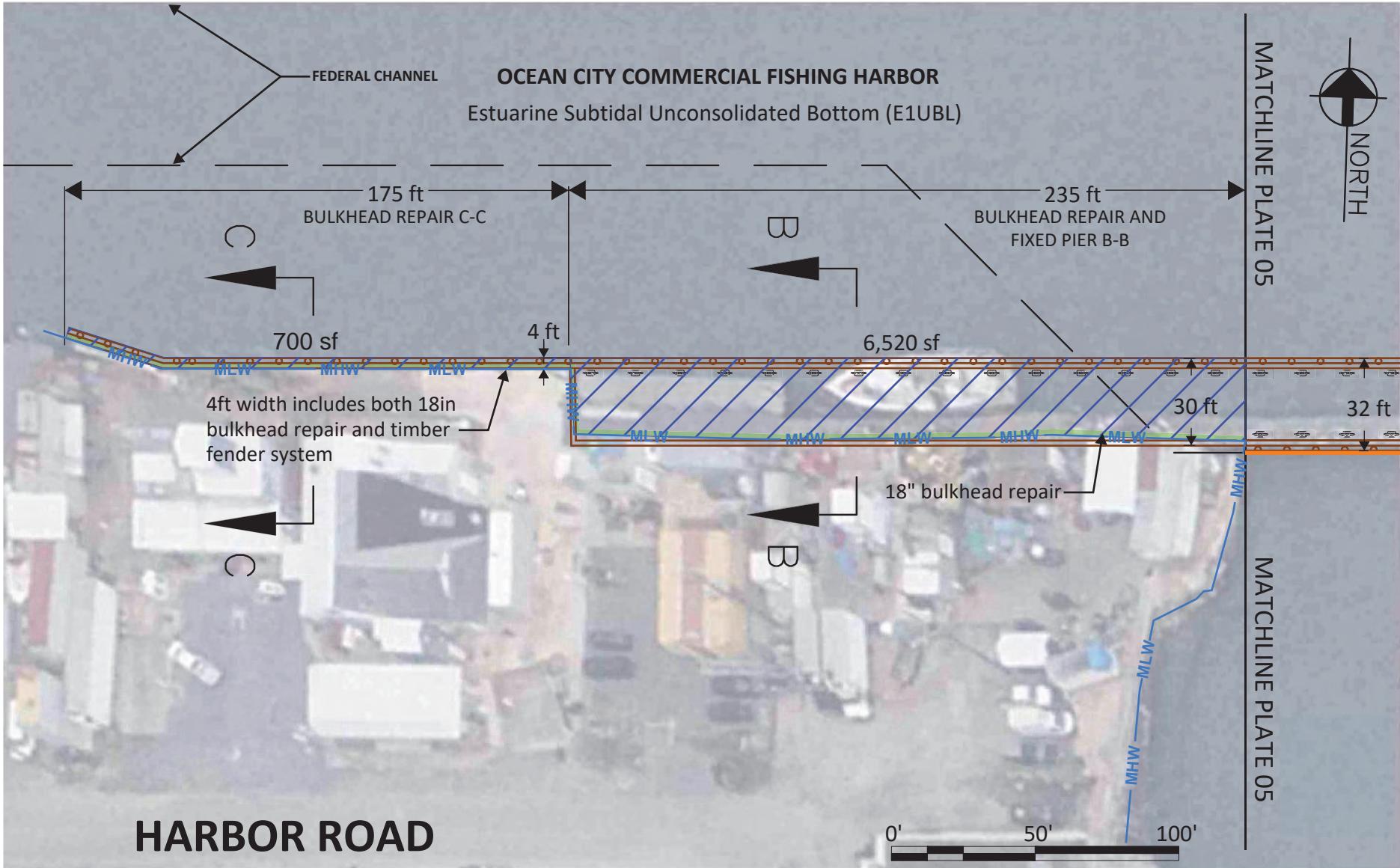
NOTES

- No dredging is proposed for construction or operation of the pier as shown herein.
- Bulkhead repairs will be performed by placing sheet piling a maximum of 18 inches beyond the existing face and filling the void between the two before being capped. The cap overhang will be approximately 6 inches.

	Revisions	WORCESTER COUNTY	
		OPERATIONS AND MAINTENANCE FACILITY PIER INSTALLATION	
		LEGEND AND NOTES	
		NOT TO SCALE	DATE: AUGUST 2023
			PLATE 02 of 08

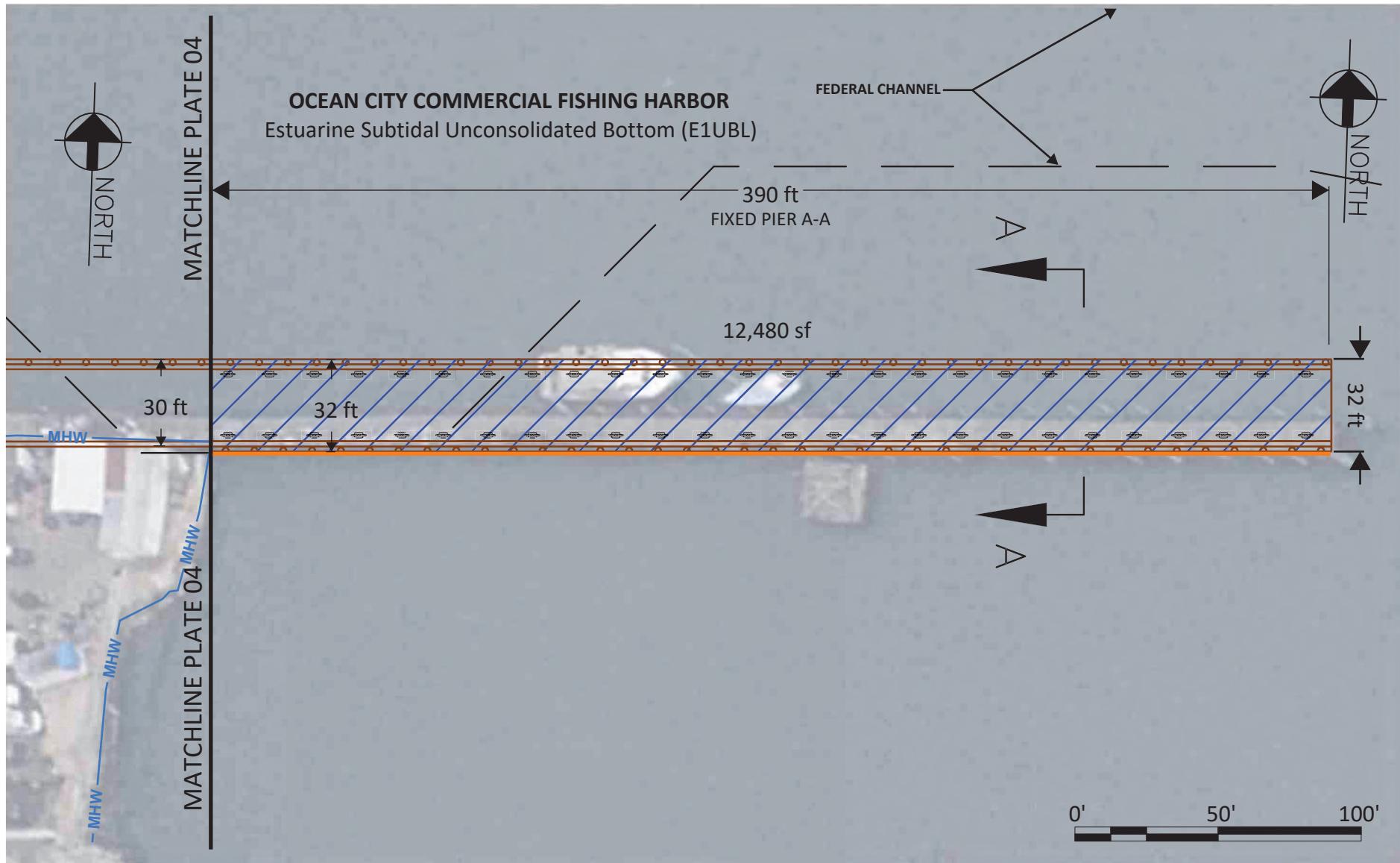


US Wind US WIND, INC. BALTIMORE, MD	Revisions	WORCESTER COUNTY
		OPERATIONS AND MAINTENANCE FACILITY PIER INSTALLATION
McCORMICK TAYLOR		EXISTING CONDITIONS
	SCALE: 1" = 100'	DATE: AUGUST 2023
		PLATE 03 of 08



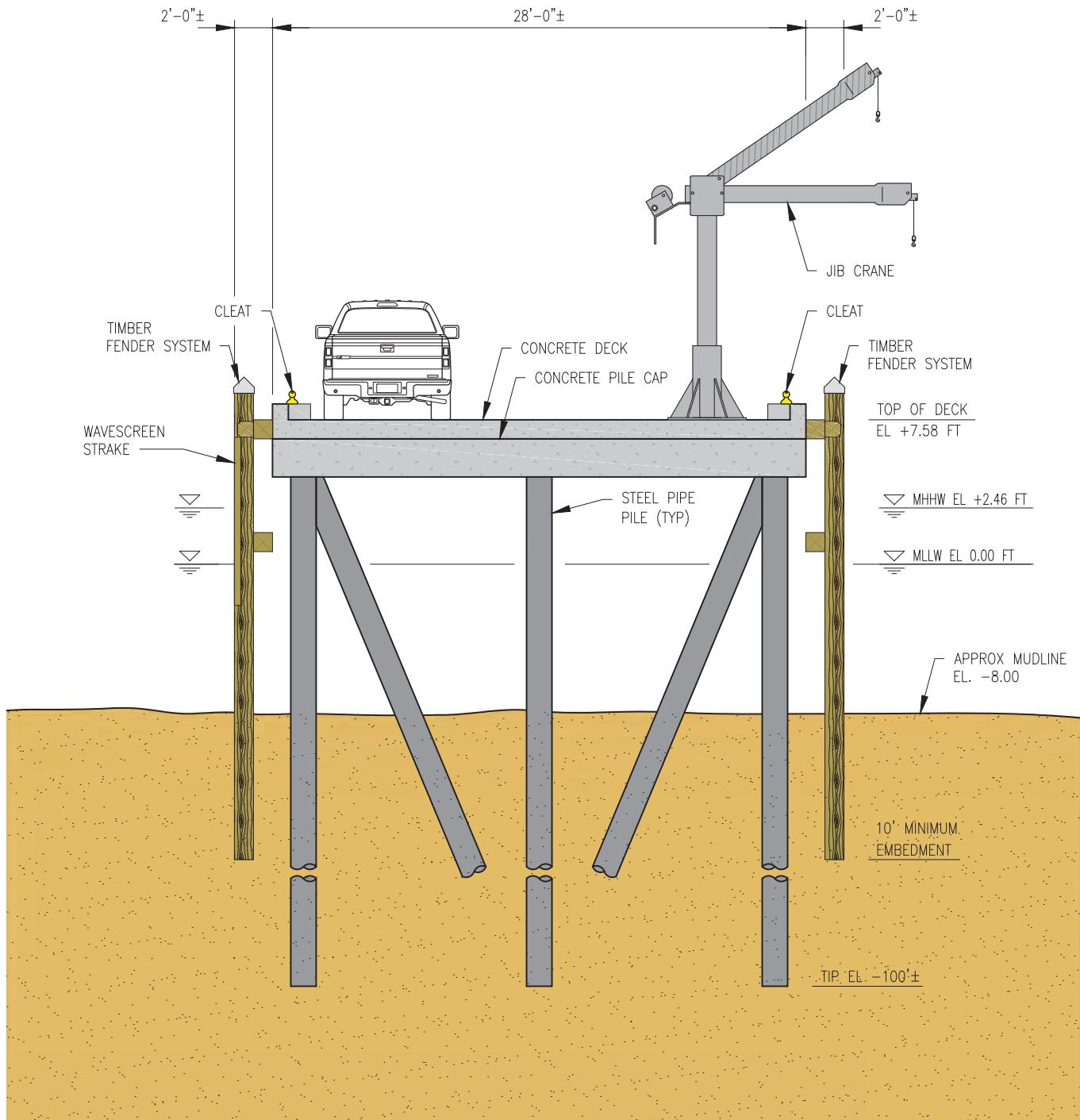
US WIND, INC.
BALTIMORE, MD





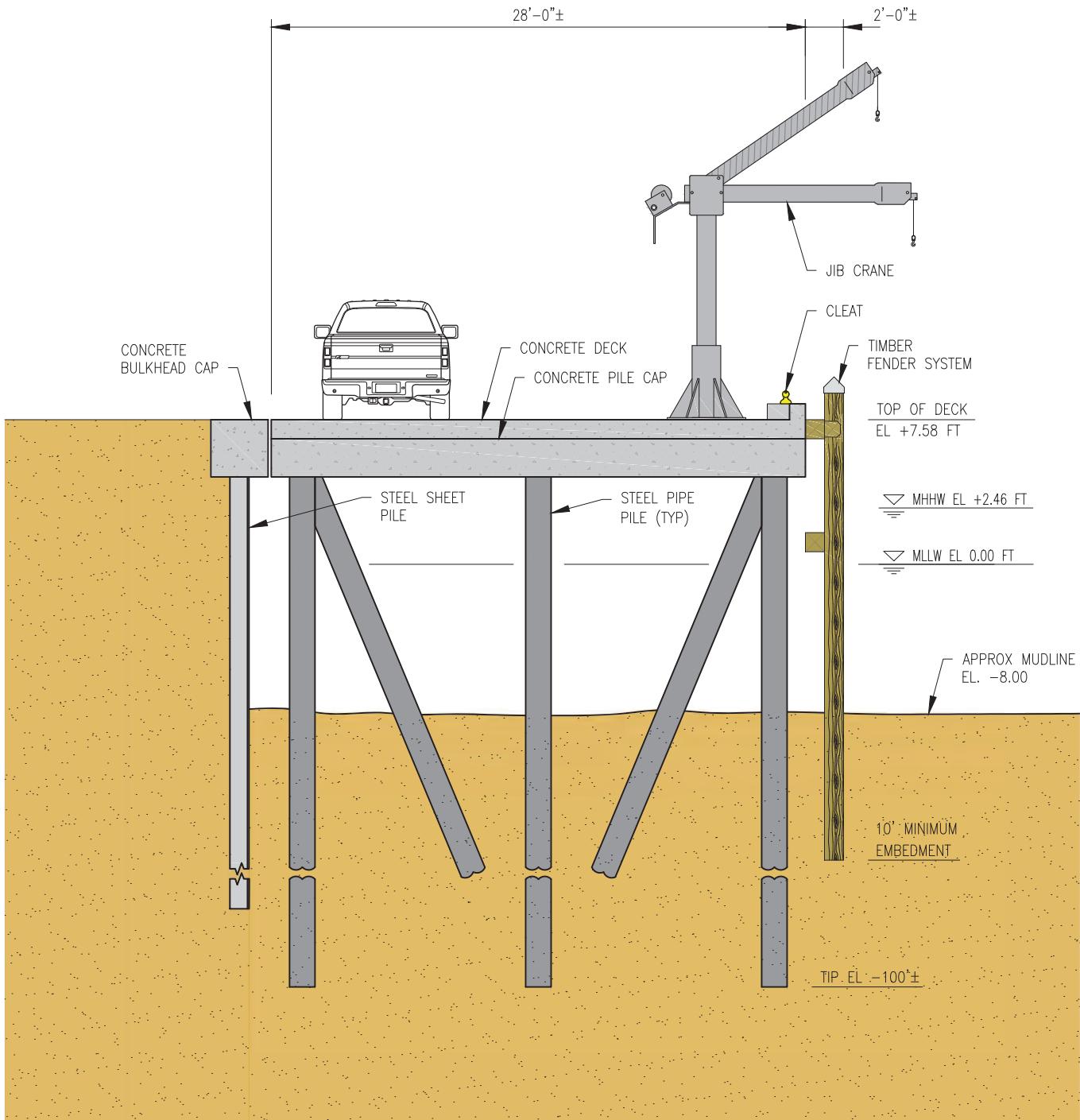
US WIND, INC.
BALTIMORE, MD

US Wind	Revisions	WORCESTER COUNTY
US WIND, INC. BALTIMORE, MD		OPERATIONS AND MAINTENANCE FACILITY PIER INSTALLATION
		WETLAND IMPACTS
McCORMICK TAYLOR		SCALE: 1" = 50' DATE: AUGUST 2023 PLATE 05 of 08



CONCEPTUAL FIXED PIER SECTION A-A

Revisions		WORCESTER COUNTY
US Wind	US WIND, INC. BALTIMORE, MD	OPERATIONS AND MAINTENANCE FACILITY PIER INSTALLATION
McCORMICK TAYLOR		NOT TO SCALE
		DATE: AUGUST 2023
		PLATE 06 of 08



US WIND, INC.
BALTIMORE, MD

WORCESTER COUNTY

OPERATIONS AND MAINTENANCE FACILITY
PIER INSTALLATION

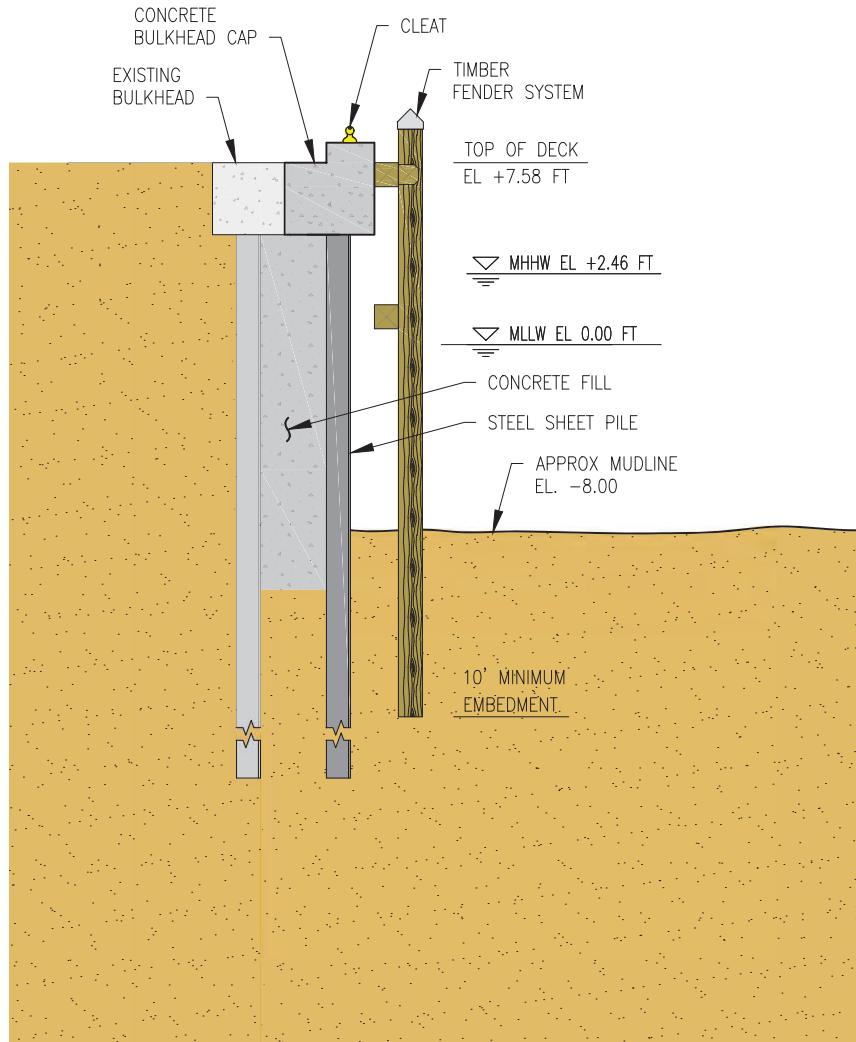


LEGEND AND NOTES

NOT TO SCALE

DATE: AUGUST 2023

PLATE 07 of 08



CONCEPTUAL BULKHEAD SECTION C-C

Revisions				
US Wind	US WIND, INC. BALTIMORE, MD	OPERATIONS AND MAINTENANCE FACILITY PIER INSTALLATION		
McCORMICK TAYLOR				
		NOT TO SCALE	DATE: AUGUST 2023	PLATE 08 of 08