US WIND
MARYLAND OFFSHORE WIND PROJECT
INDIAN RIVER BAY EXPORT CABLES

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

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NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
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DESIGNER GS	DRAWN SLH	COVER SHEET	CODE	
CHECKED RW	DATE 06/14/23		AREA	

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PLAN & PROFILE 19 - INDIAN RIVER BAY SOUTHERN ROUTE	022	B			

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INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 001 REV B

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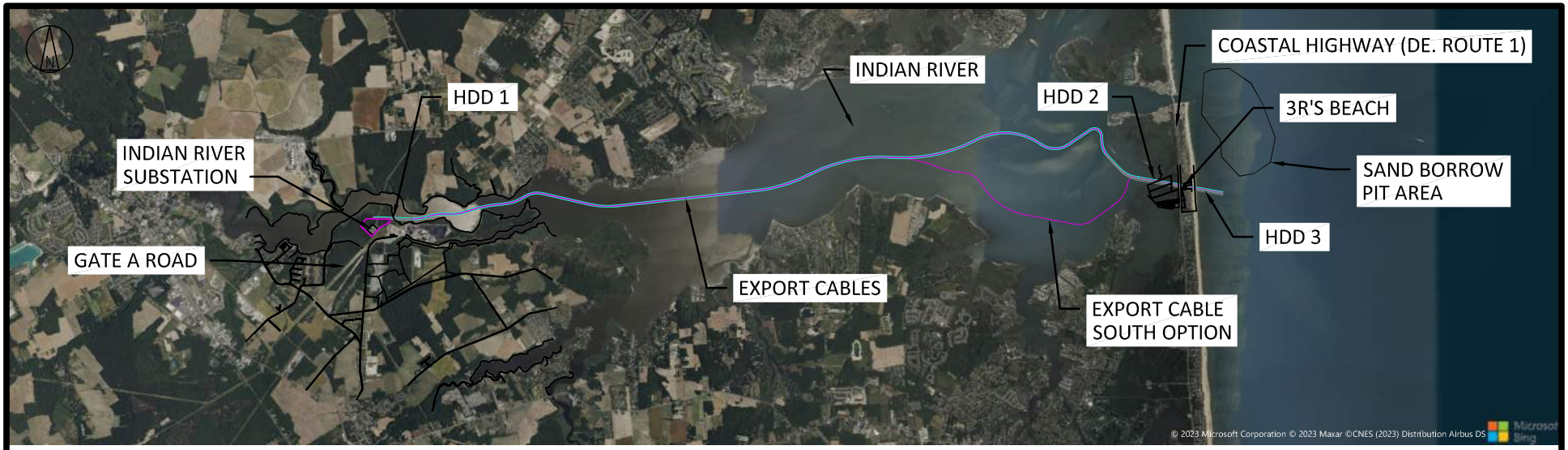
INDEX

CODE | 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

SCALE 1"=10000'

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INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 002 REV B

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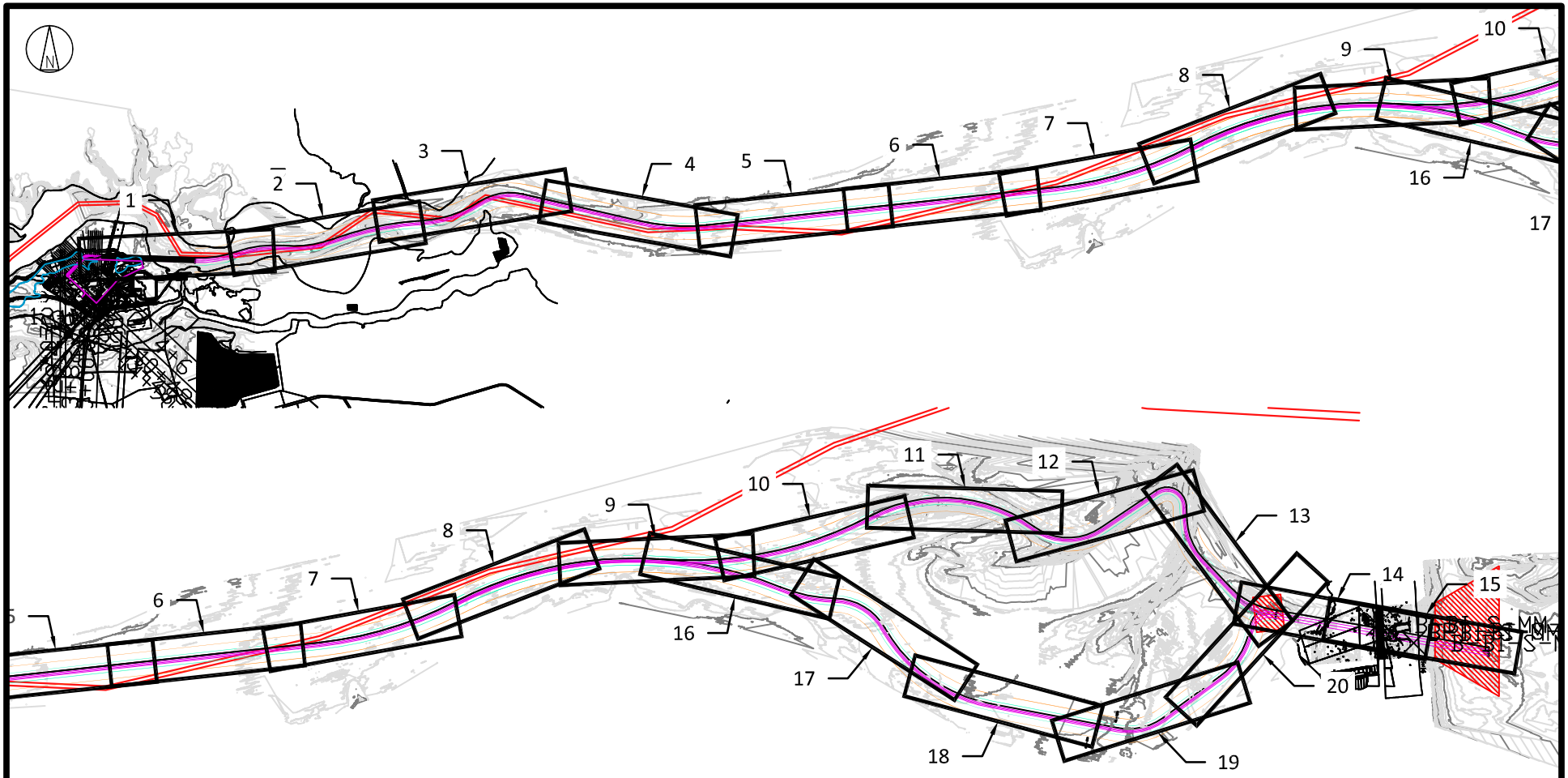
VICINITY MAP & GENERAL NOTES

CODE | AREA

Plan and Profile Drawing

Sheet Key Map



PLAN VIEW

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INDIAN RIVER BAY - EXPORT CABLES

PROJECT	DRAWING NUMBER	REV
410735	- 003	B

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GS	SLH	RW	06/14/23

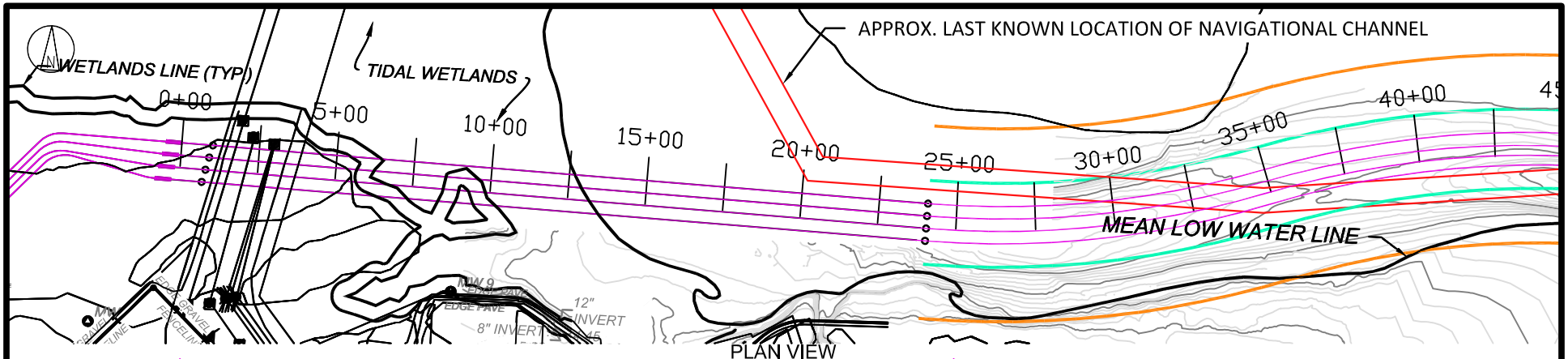
KEY MAP

CODE

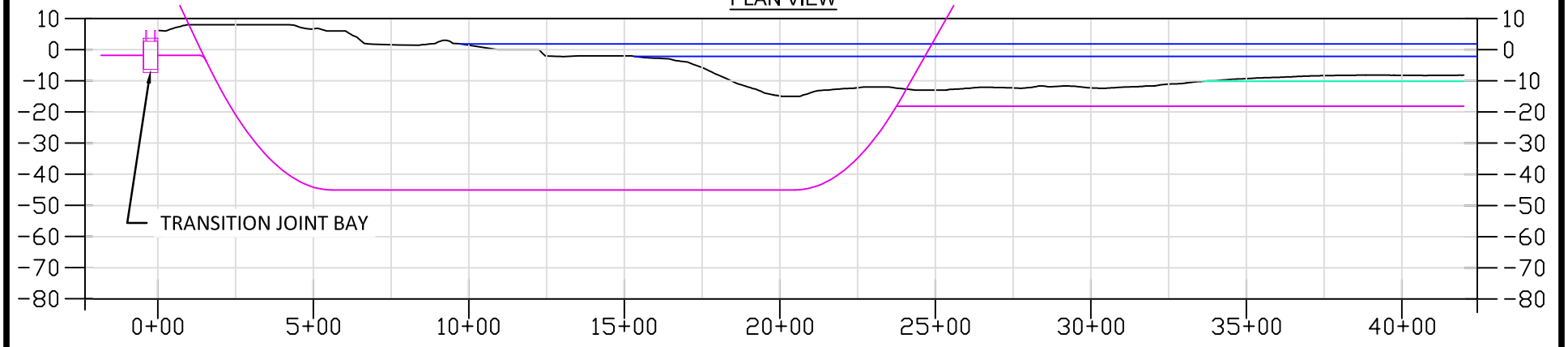
AREA

Plan and Profiles

Indian River Bay – Northern Route



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

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INDIAN RIVER BAY - EXPORT CABLES

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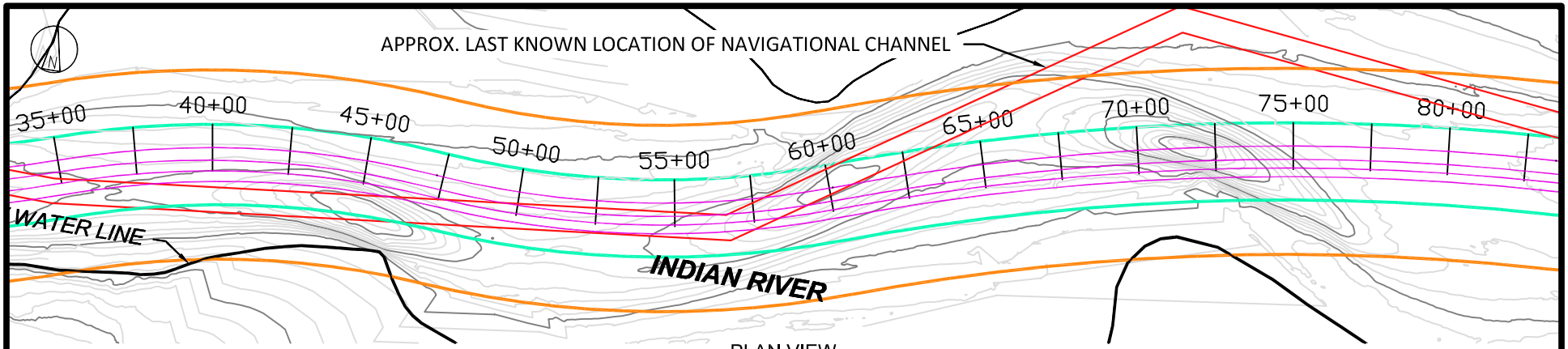
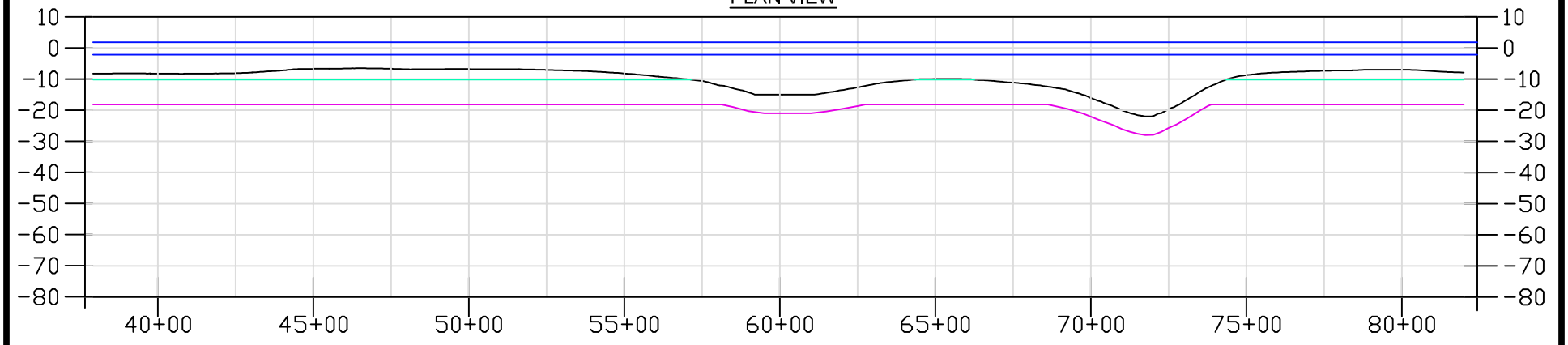
PLAN & PROFILE 1
INDIAN RIVER BAY NORTHERN ROUTE

CODE | AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

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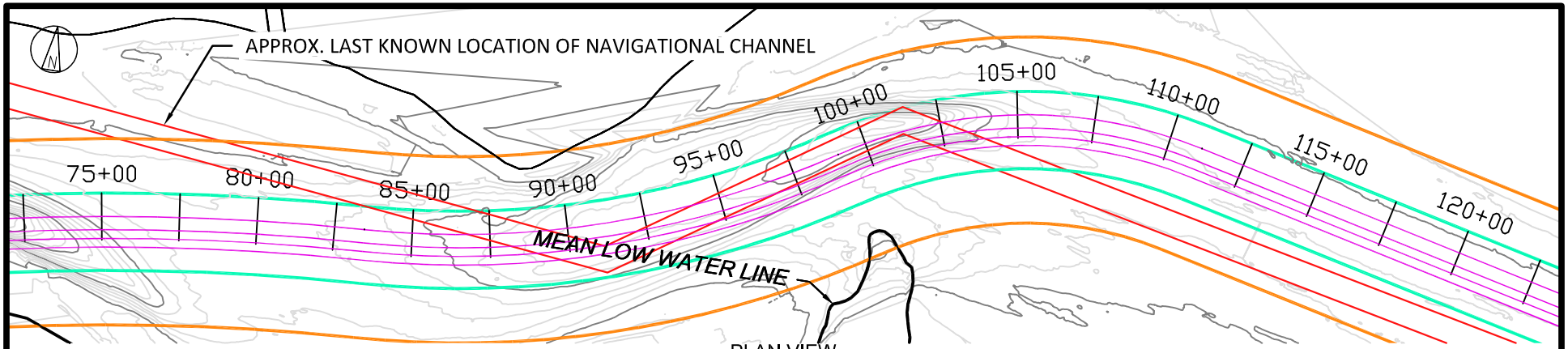
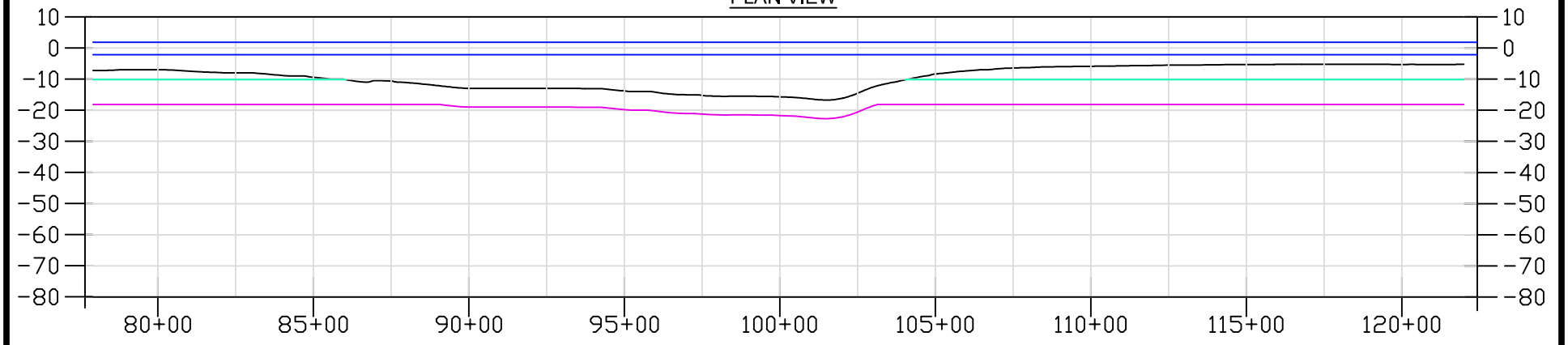
PLAN & PROFILE 2
INDIAN RIVER BAY NORTHERN ROUTE

CODE

AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

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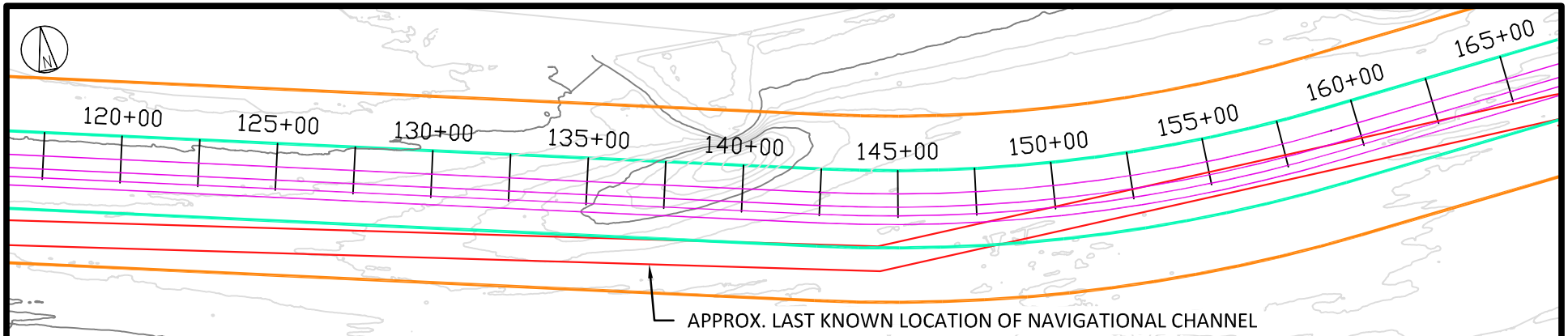
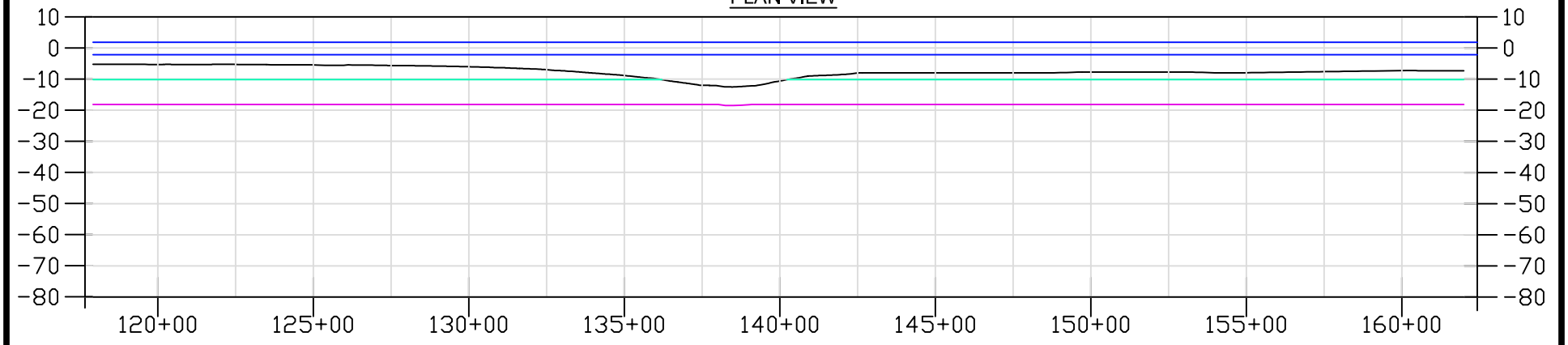
PLAN & PROFILE 3
INDIAN RIVER BAY NORTHERN ROUTE

CODE

AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

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INDIAN RIVER BAY - EXPORT CABLES

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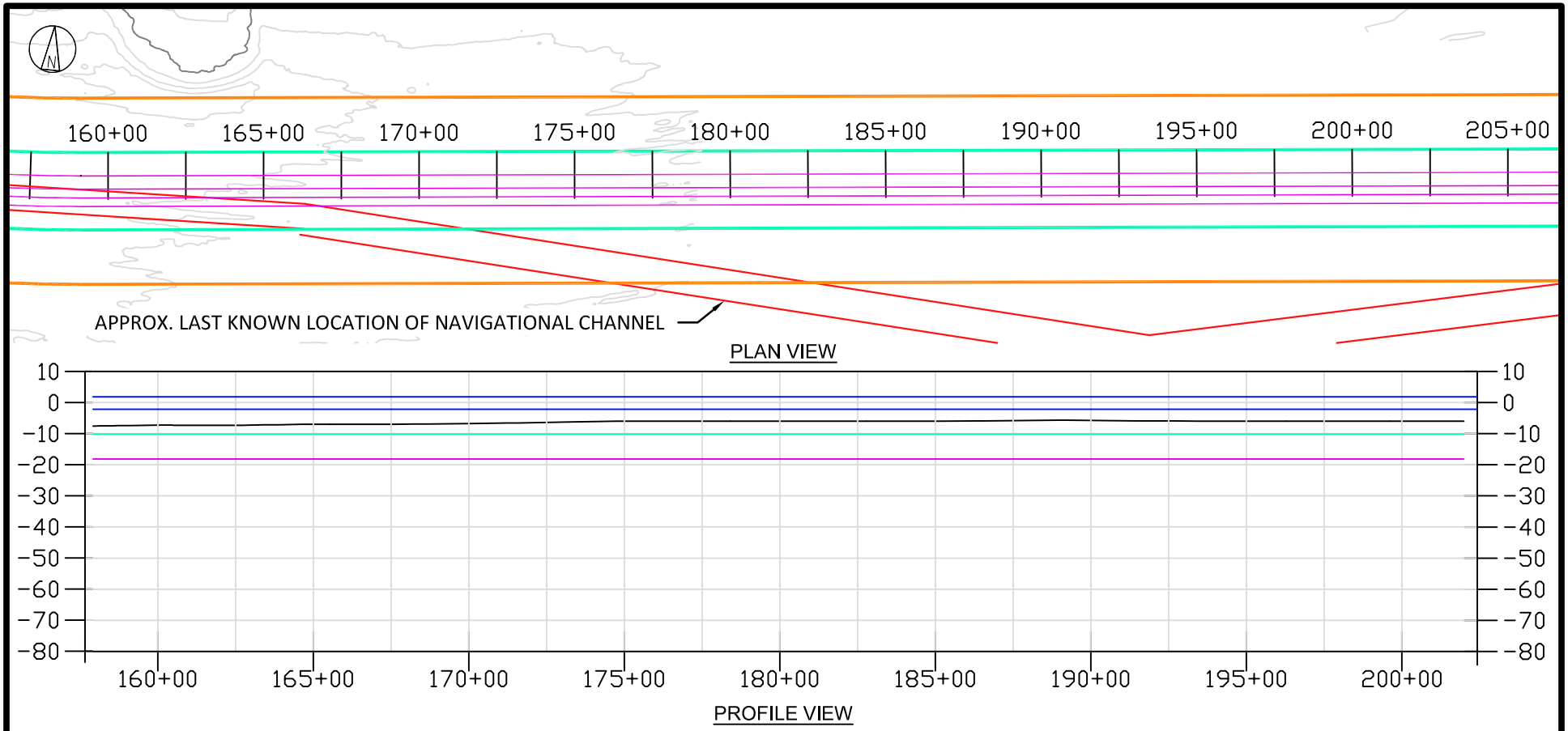
PLAN & PROFILE 4
INDIAN RIVER BAY NORTHERN ROUTE

CODE

AREA



LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

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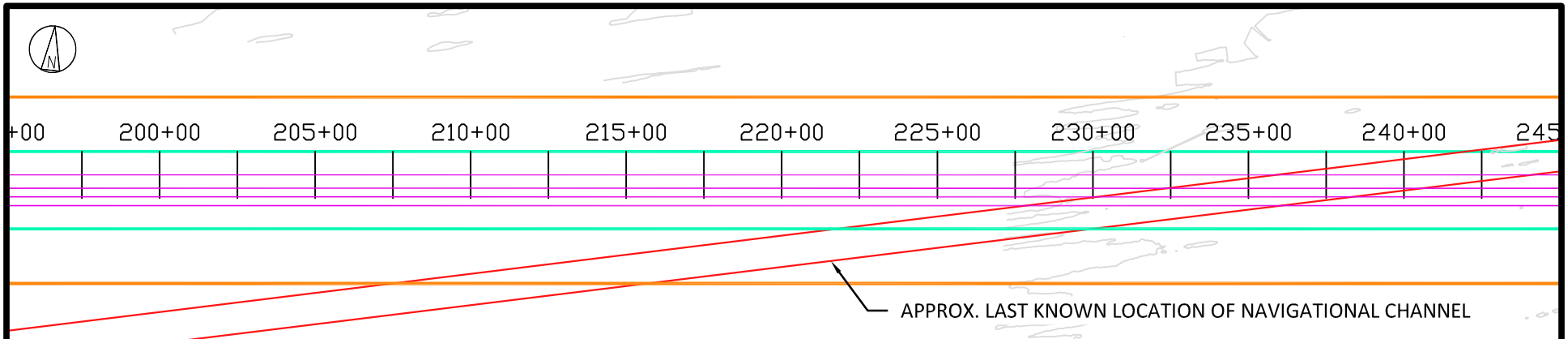
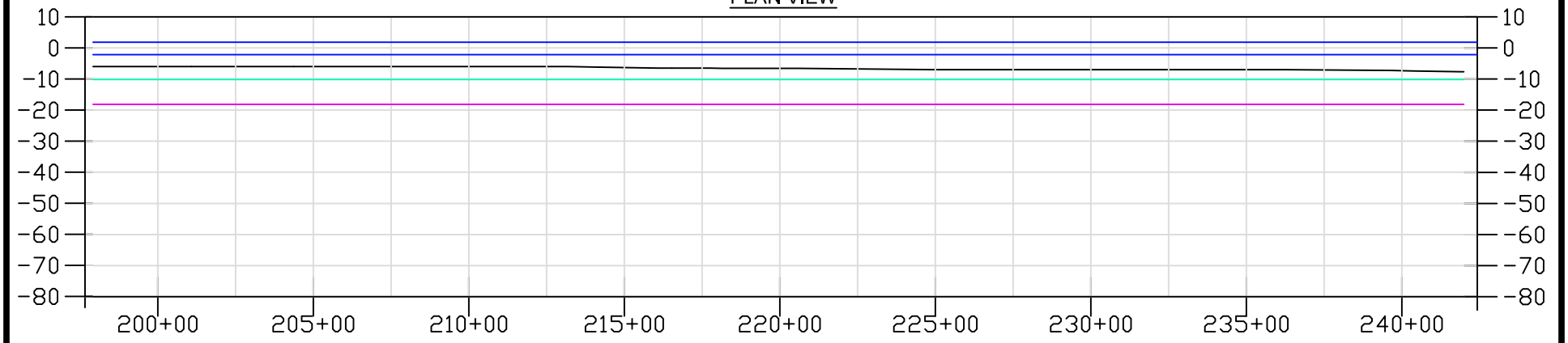
PLAN & PROFILE 5
INDIAN RIVER BAY NORTHERN ROUTE

CODE

AREA



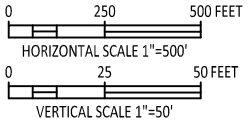
PLAN VIEW



PROFILE VIEW

LEGEND:

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



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INDIAN RIVER BAY - EXPORT CABLES

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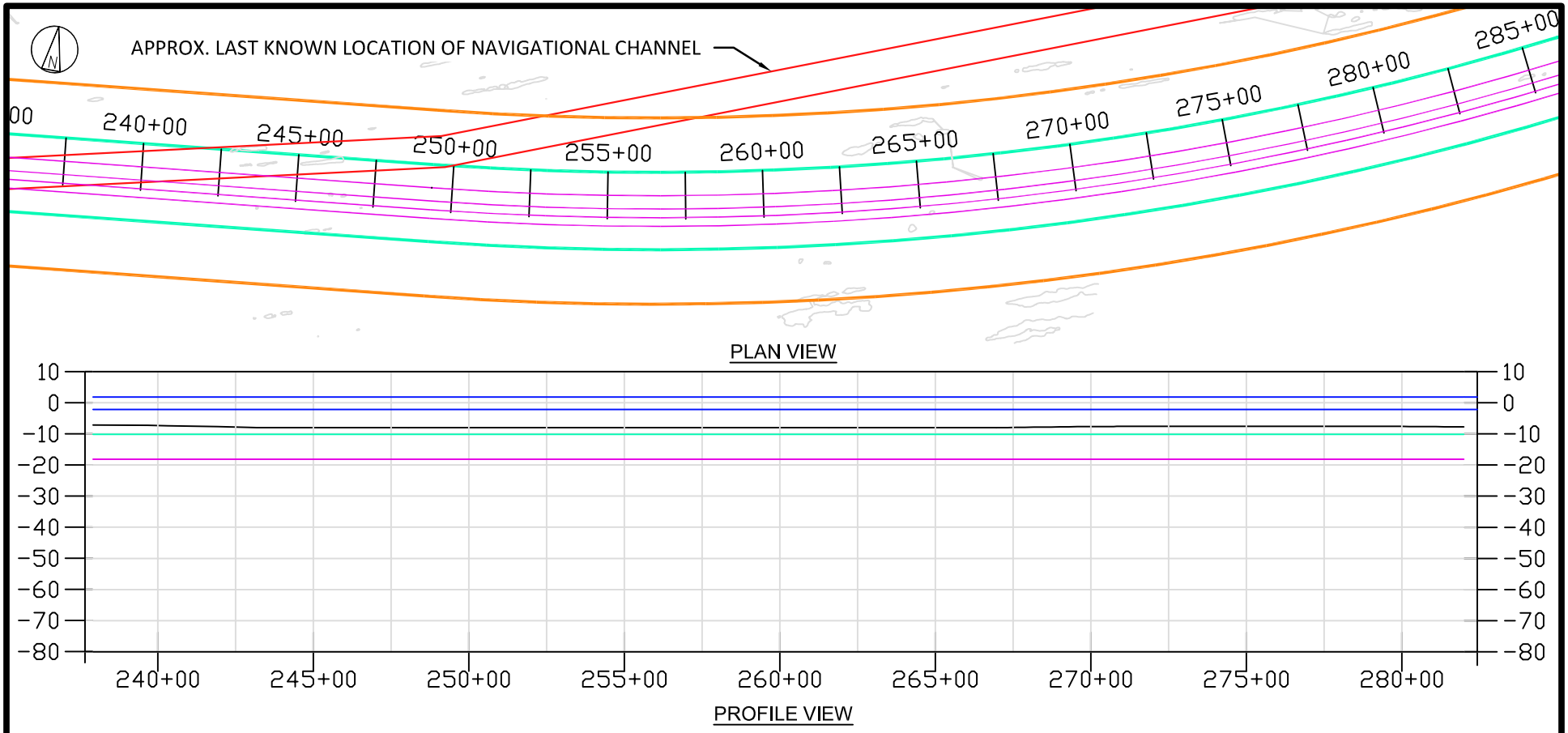
PLAN & PROFILE 6
INDIAN RIVER BAY NORTHERN ROUTE

CODE | AREA



LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

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INDIAN RIVER BAY - EXPORT CABLES

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PLAN & PROFILE 7
INDIAN RIVER BAY NORTHERN ROUTE

CODE

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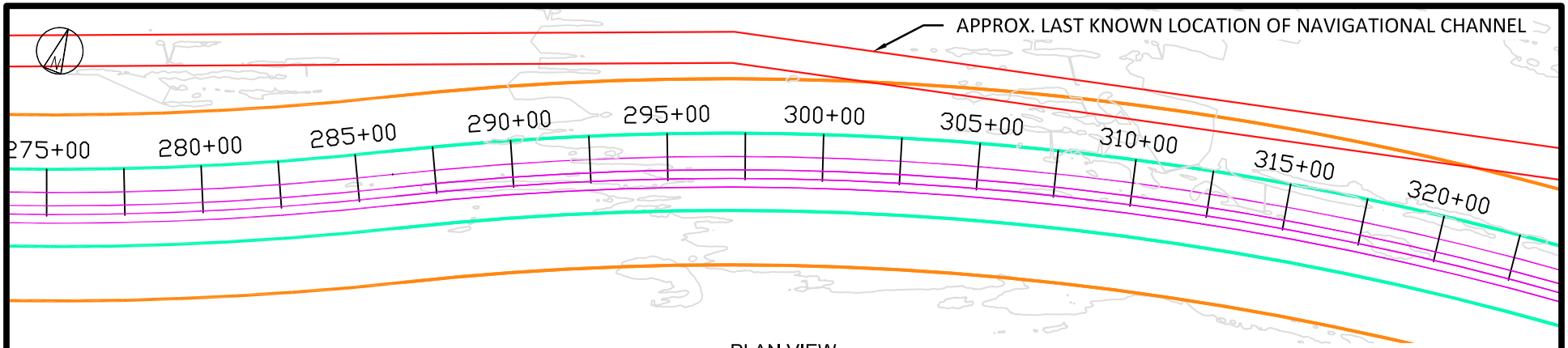

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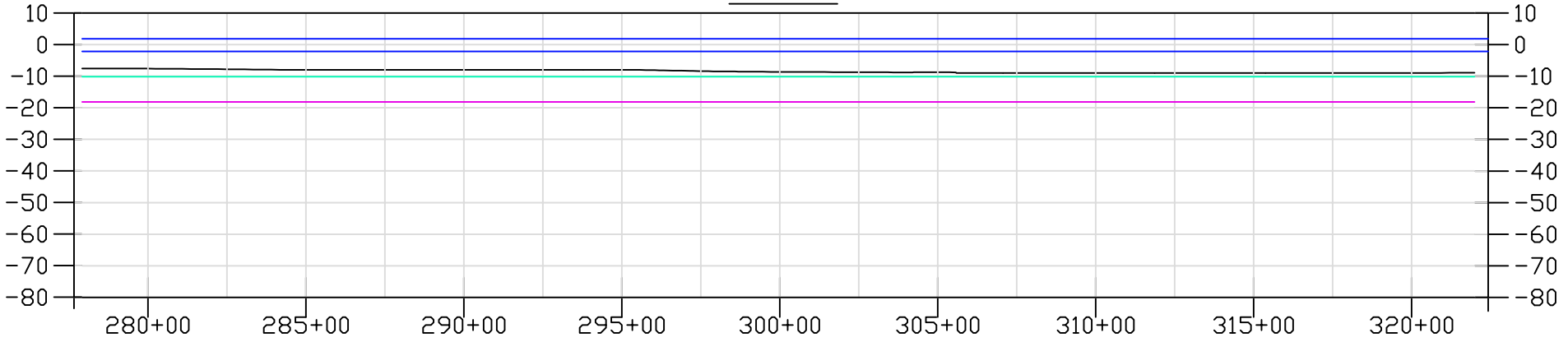

PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

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PLAN & PROFILE 8
INDIAN RIVER BAY NORTHERN ROUTE

CODE

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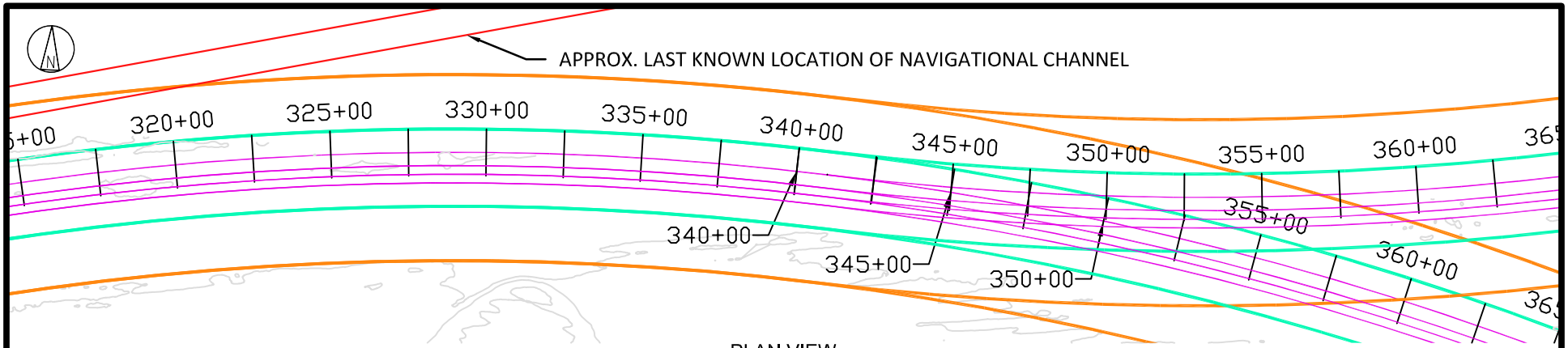

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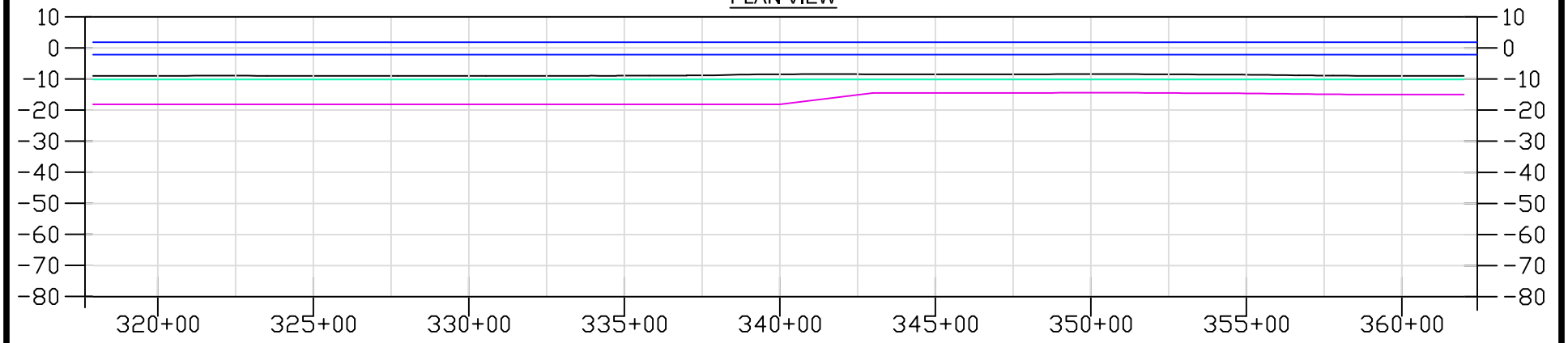

PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

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PLAN & PROFILE 9
INDIAN RIVER BAY NORTHERN ROUTE

CODE

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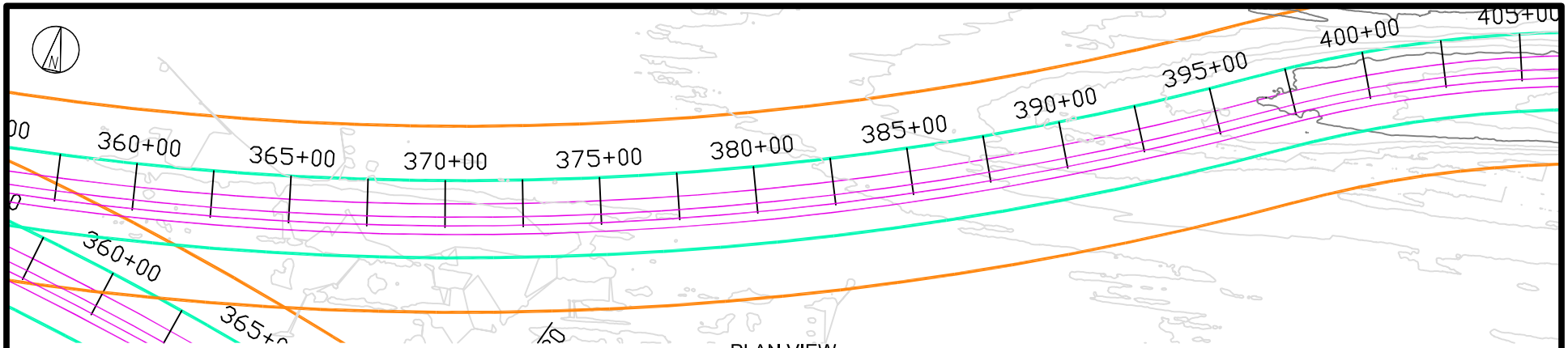

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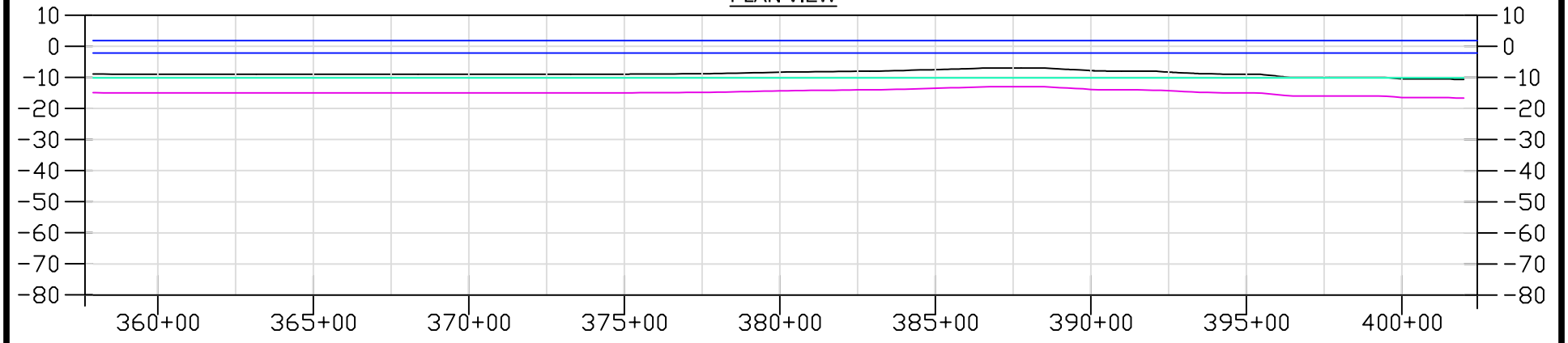

PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

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PLAN & PROFILE 10
INDIAN RIVER BAY NORTHERN ROUTE

CODE

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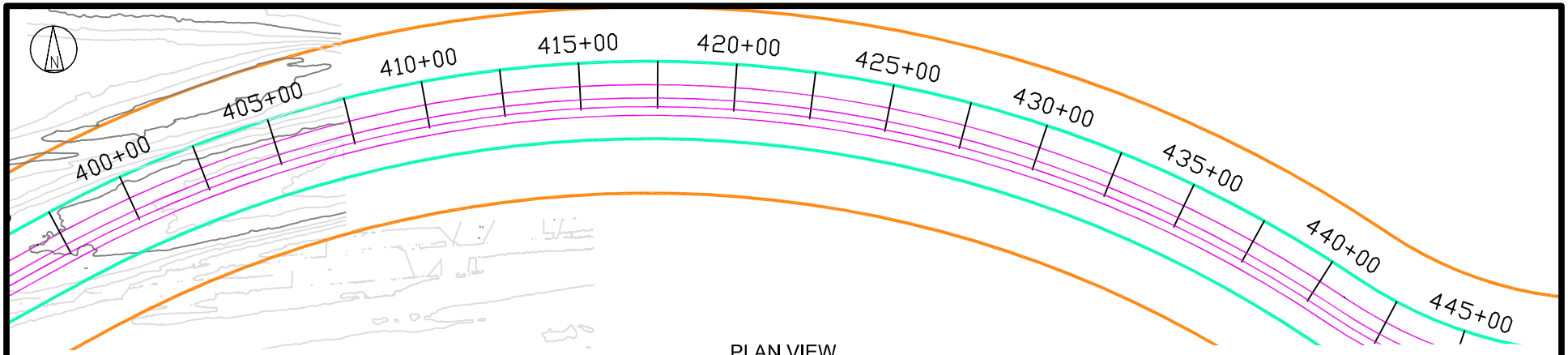

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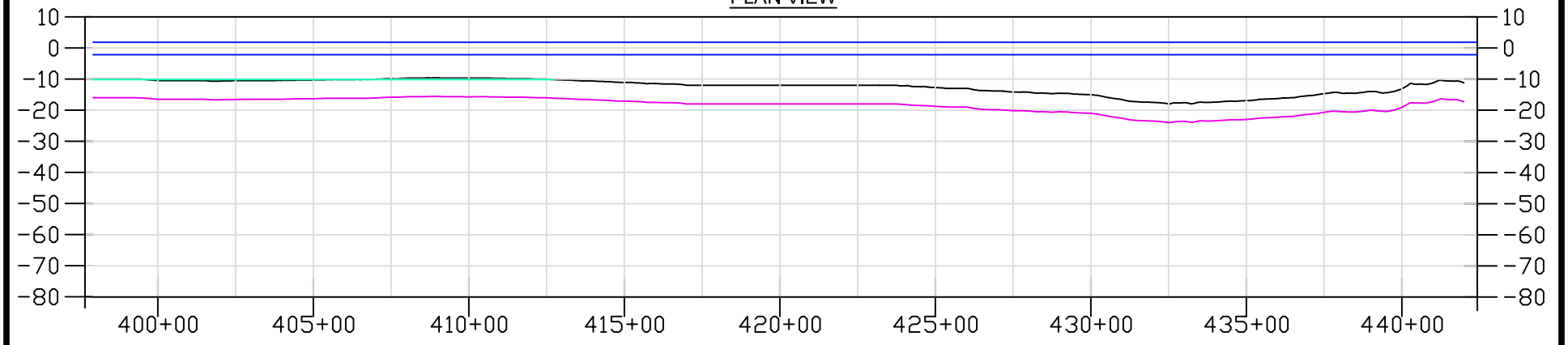

PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

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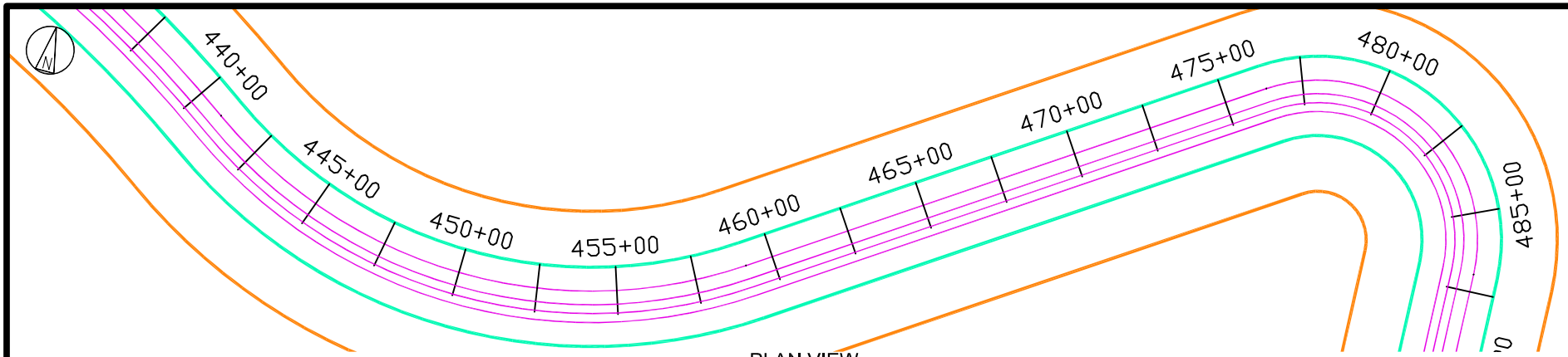
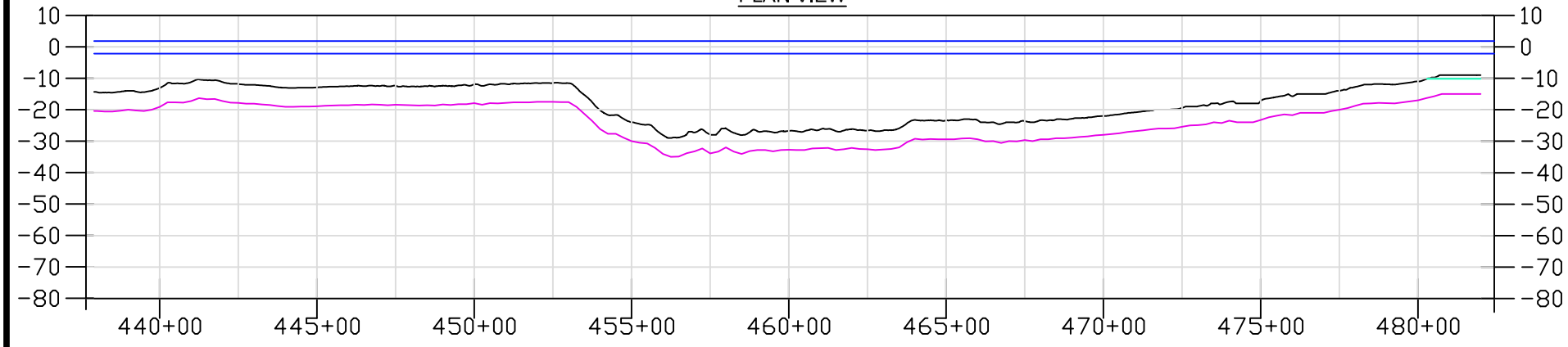
PLAN & PROFILE 11
INDIAN RIVER BAY NORTHERN ROUTE

CODE

AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

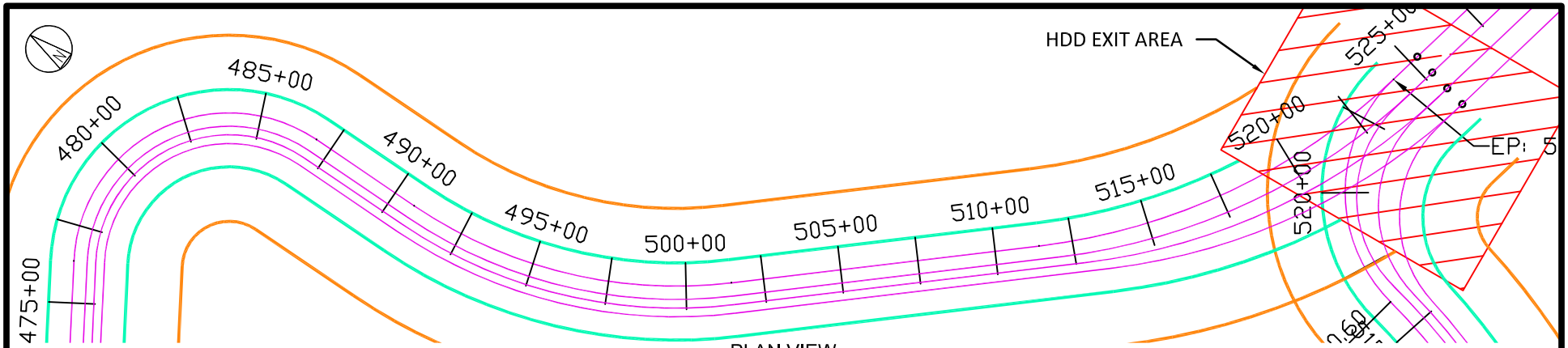
PROJECT 410735 - DRAWING NUMBER 015 REV B

DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 06/14/23

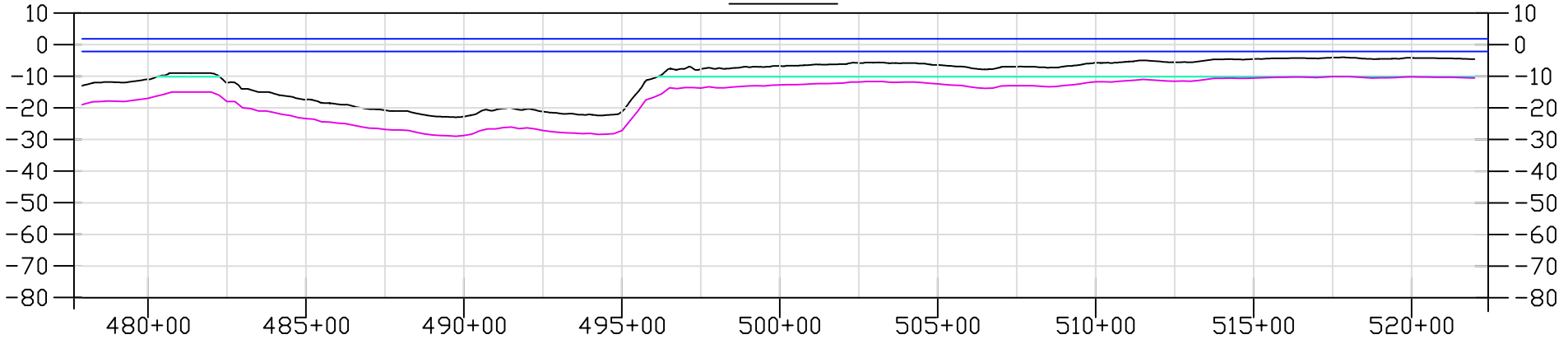
PLAN & PROFILE 12
INDIAN RIVER BAY NORTHERN ROUTE

CODE

AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

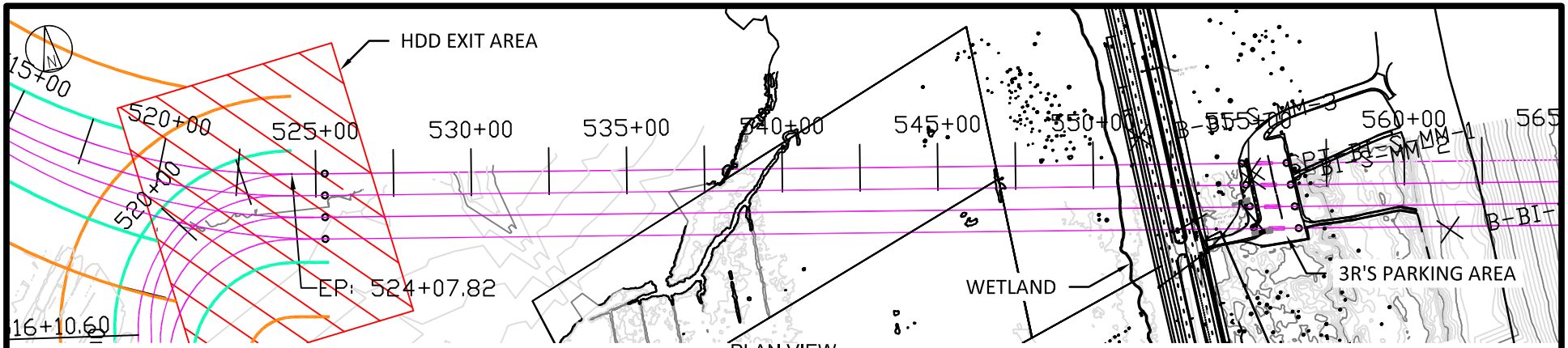
PROJECT 410735 - DRAWING NUMBER 016 REV B

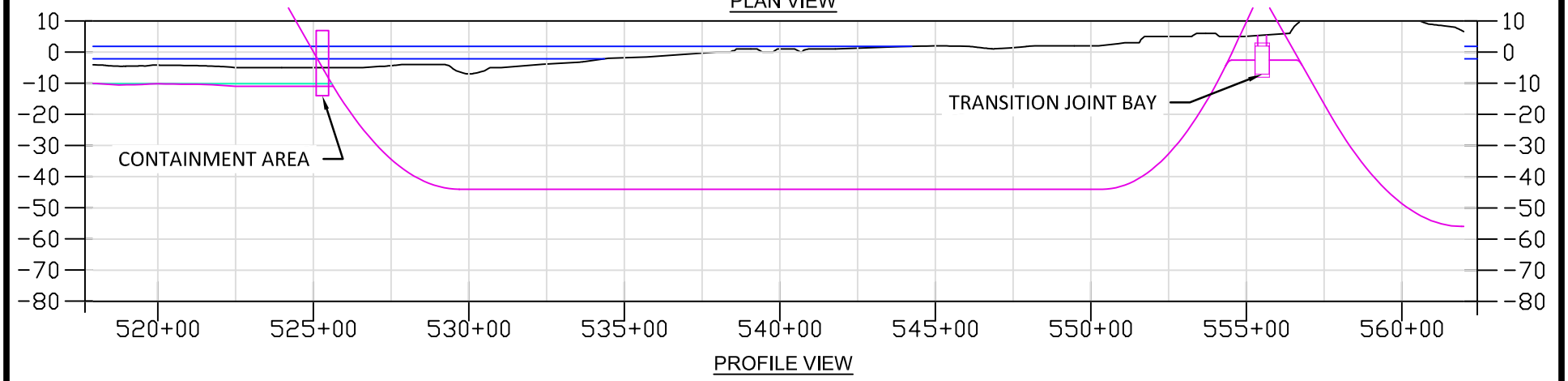
DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 06/14/23

PLAN & PROFILE 13
INDIAN RIVER BAY NORTHERN ROUTE

CODE

AREA





LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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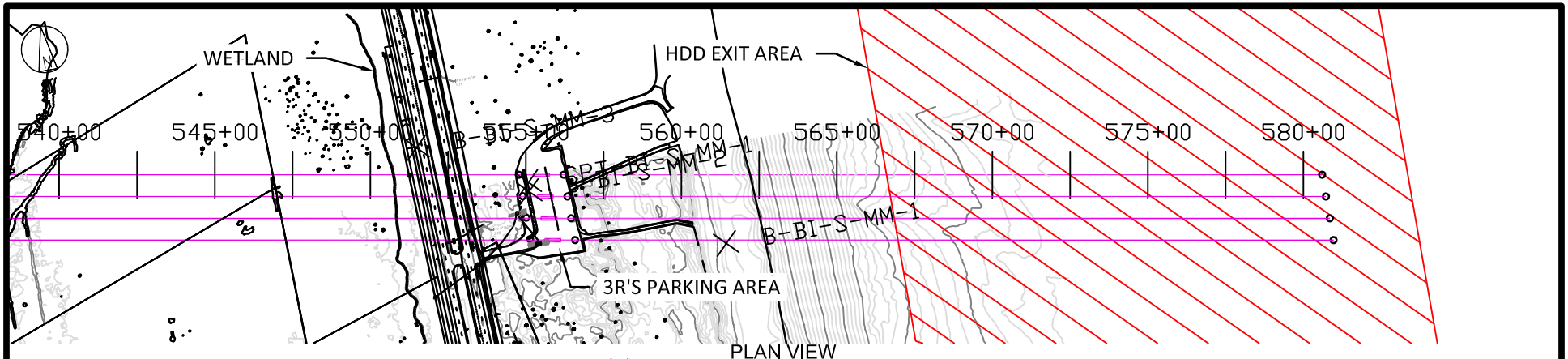
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - 017
DRAWING NUMBER
REV B

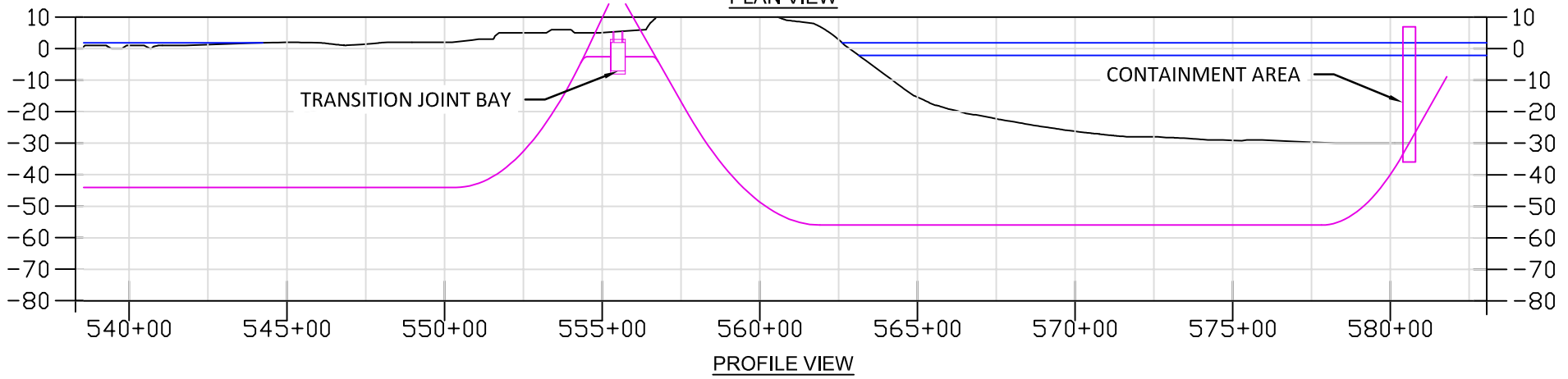
DESIGNER GS
DRAWN SLH
CHECKED RW
DATE 06/14/23

PLAN & PROFILE 14
INDIAN RIVER BAY NORTHERN ROUTE

CODE
AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 018 REV B

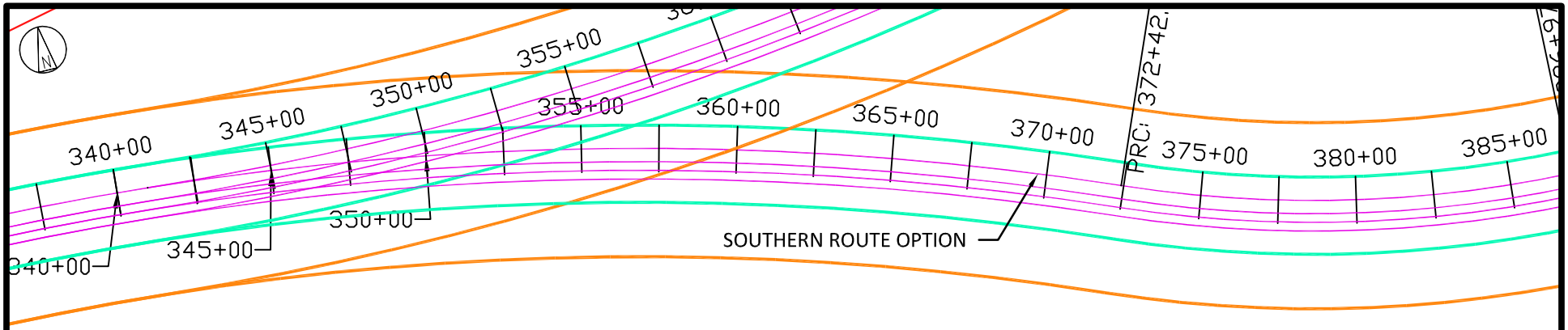
DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 06/14/23

PLAN & PROFILE 15
INDIAN RIVER BAY NORTHERN ROUTE

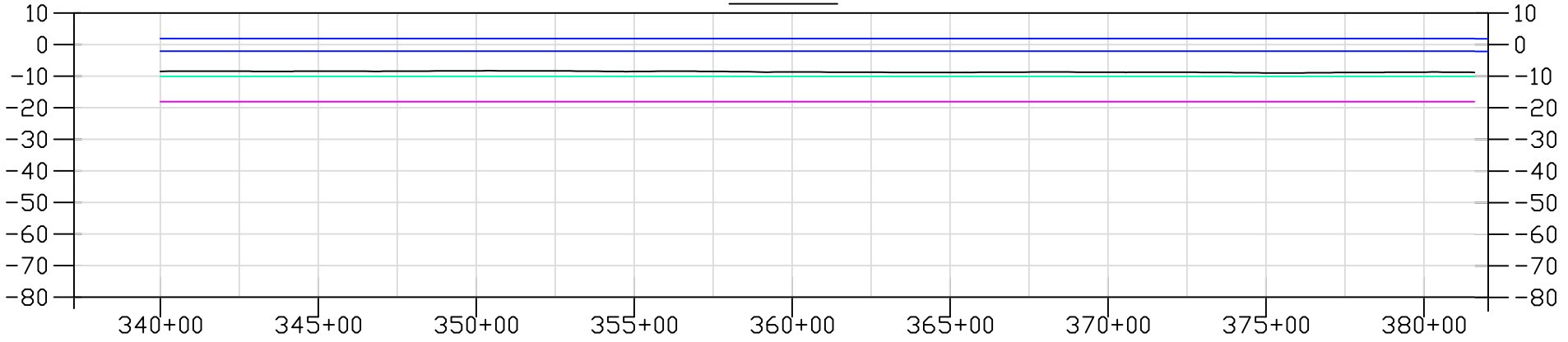
CODE | AREA

Plan and Profiles

Indian River Bay – Southern Route



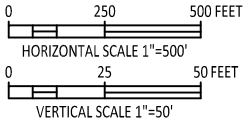
PLAN VIEW



PROFILE VIEW

LEGEND:

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



NOT TO BE USED FOR CONSTRUCTION

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

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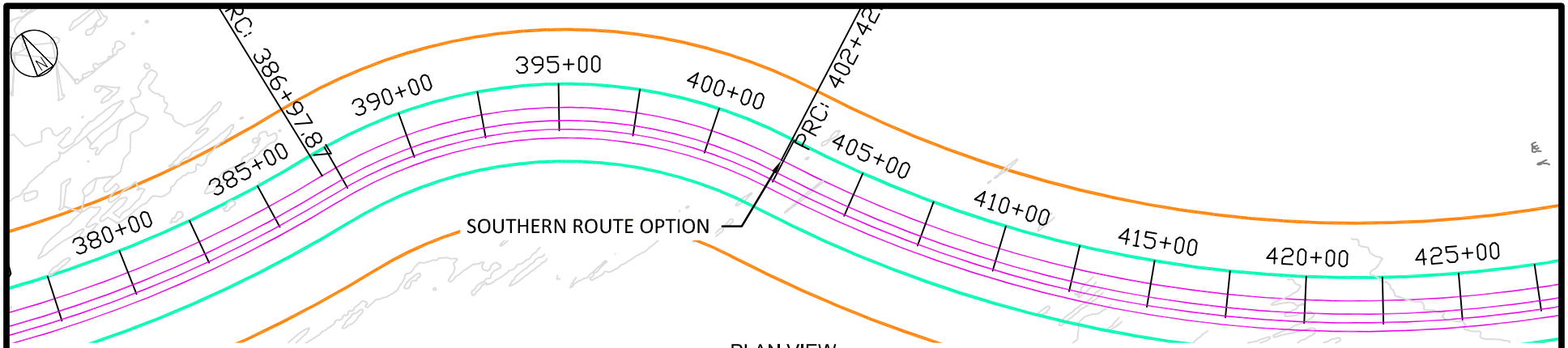
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 019 REV B

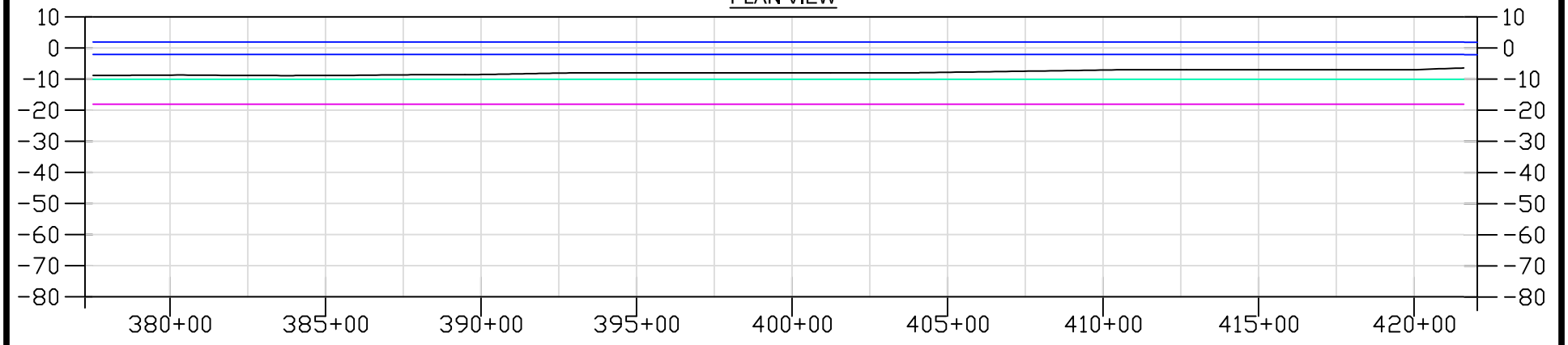
DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 06/14/23

PLAN & PROFILE 16
INDIAN RIVER BAY SOUTHERN ROUTE

CODE | AREA



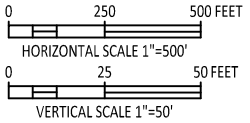
PLAN VIEW



PROFILE VIEW

LEGEND:

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



NOT TO BE USED FOR CONSTRUCTION

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

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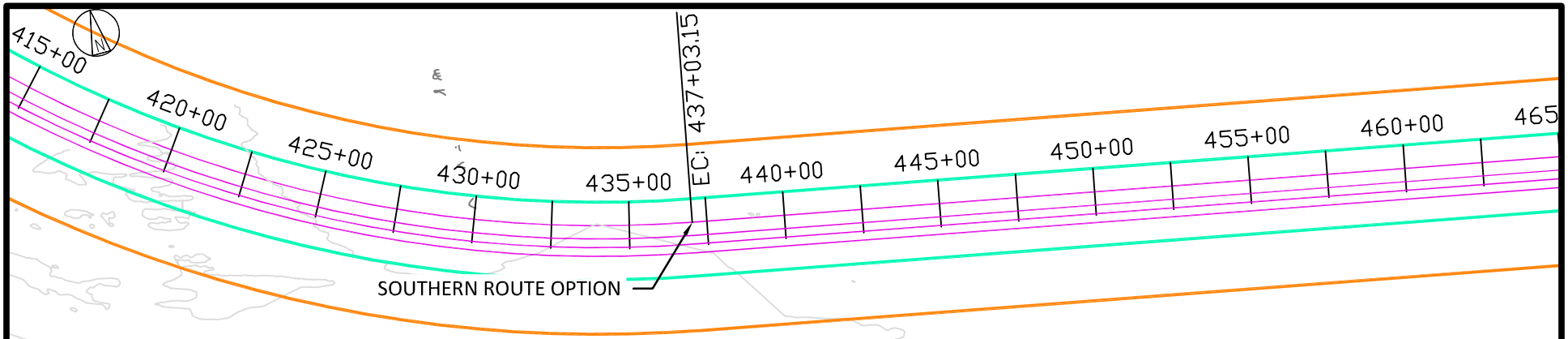
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 020 REV B

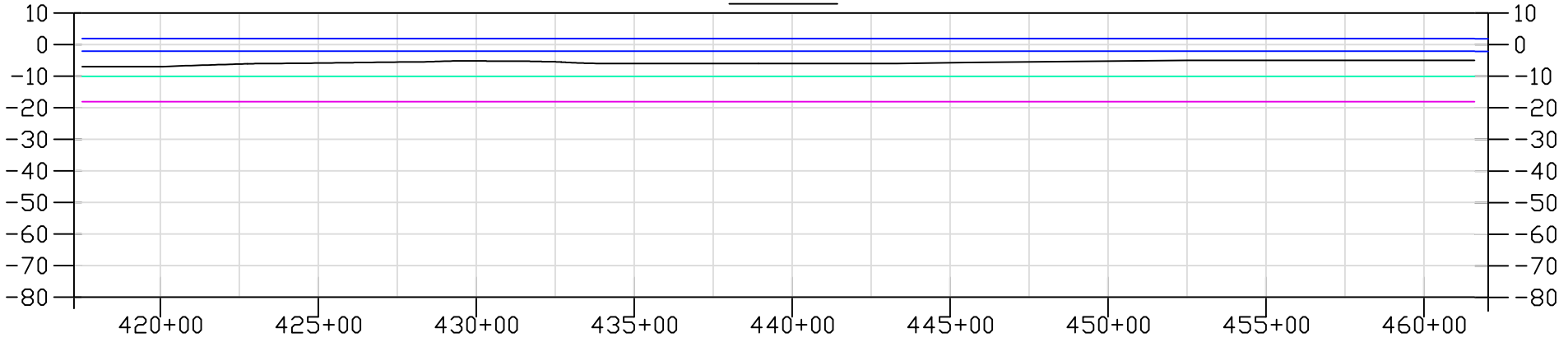
DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 06/14/23

PLAN & PROFILE 17
INDIAN RIVER BAY SOUTHERN ROUTE

CODE | AREA



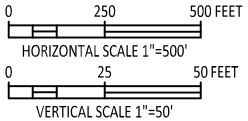
PLAN VIEW



PROFILE VIEW

LEGEND:

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



NOT TO BE USED FOR CONSTRUCTION

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

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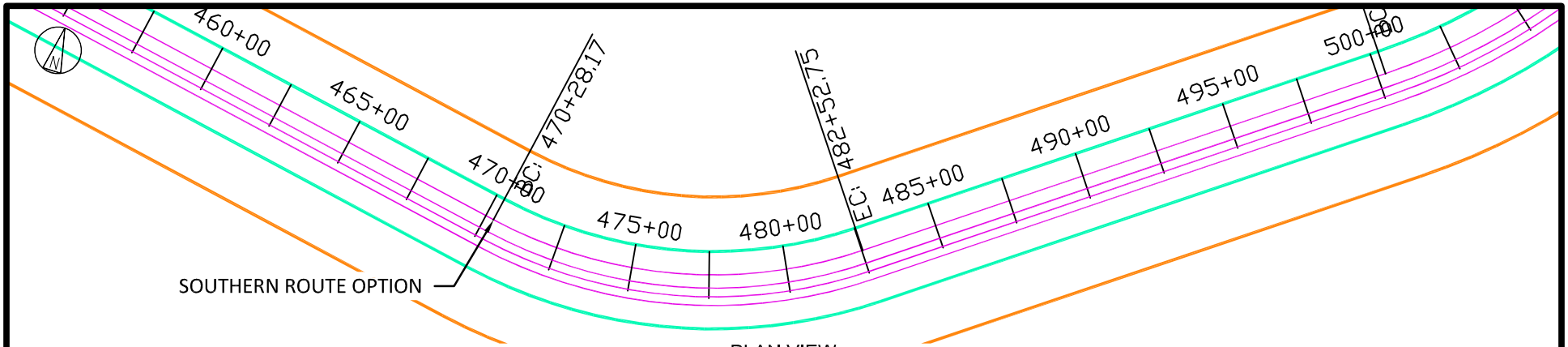
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - 021
DRAWING NUMBER
REV B

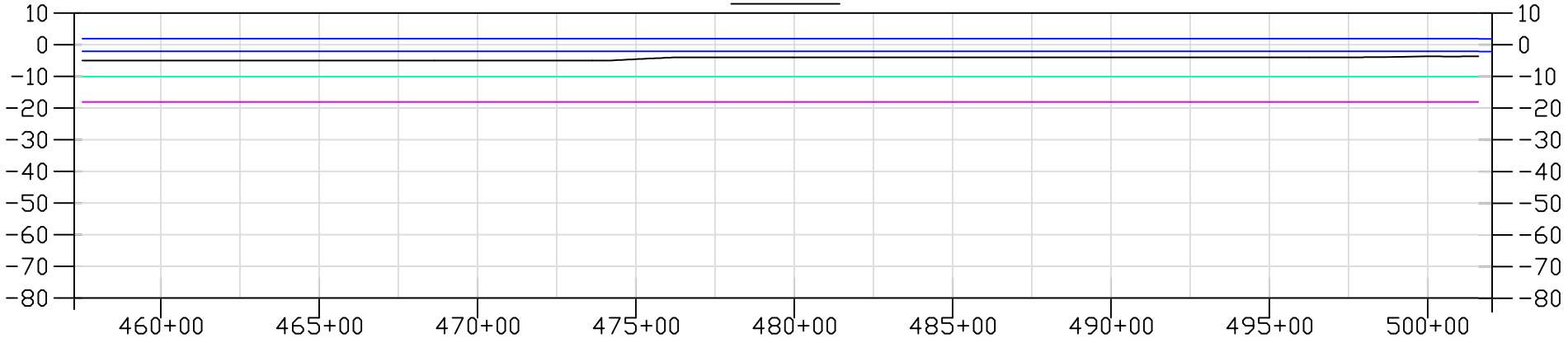
DESIGNER GS
DRAWN SLH
CHECKED RW
DATE 06/14/23

PLAN & PROFILE 18
INDIAN RIVER BAY SOUTHERN ROUTE

CODE
AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'

0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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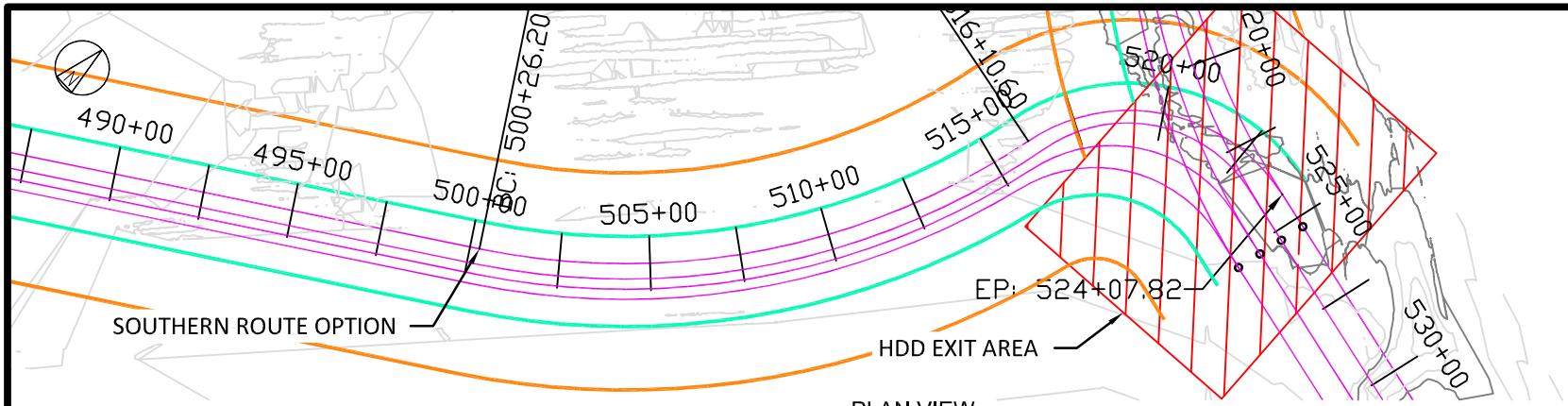
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - 022
DRAWING NUMBER
REV B

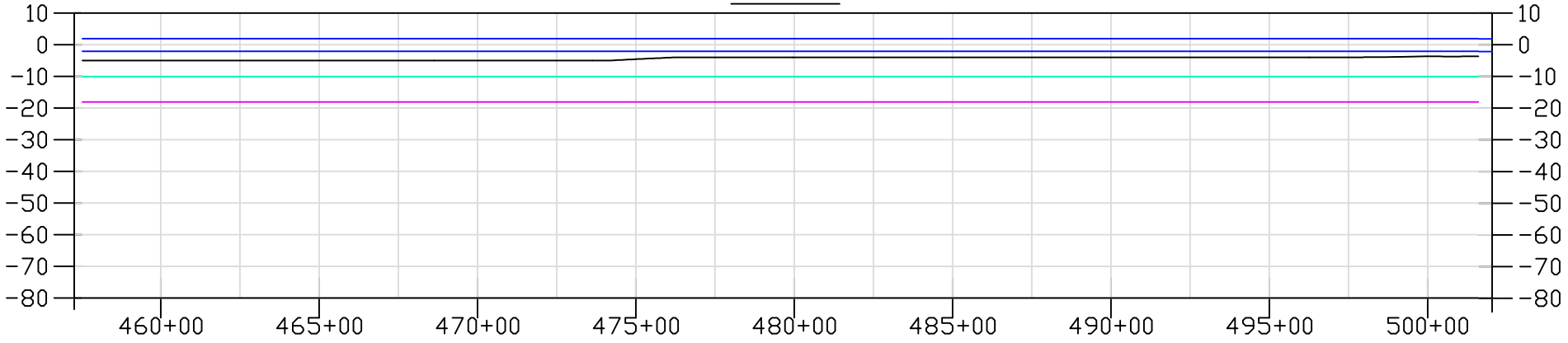
DESIGNER GS
DRAWN SLH
CHECKED RW
DATE 06/14/23

PLAN & PROFILE 19
INDIAN RIVER BAY SOUTHERN ROUTE

CODE
AREA



PLAN VIEW



PROFILE VIEW

LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

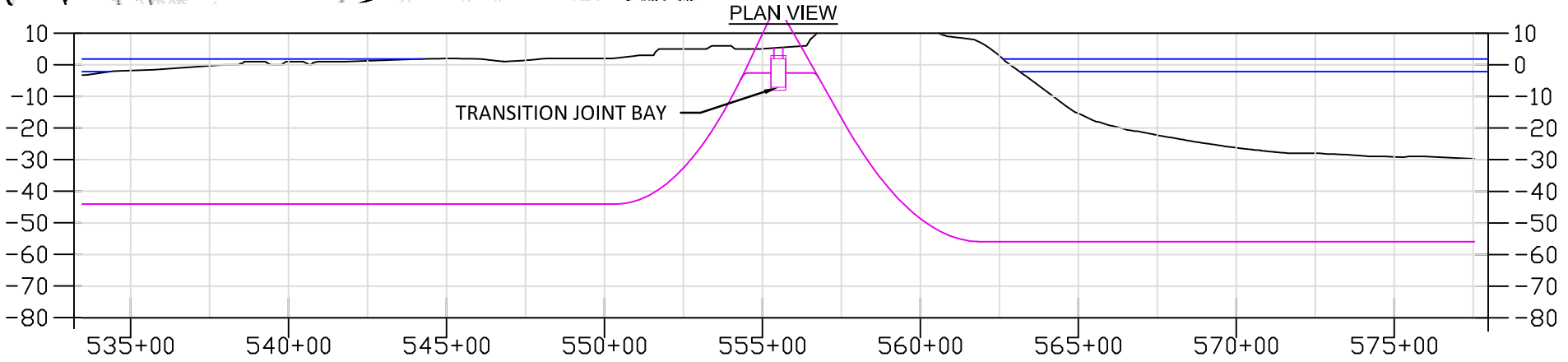
PROJECT 410735 - DRAWING NUMBER 023 REV B

DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 06/14/23

PLAN & PROFILE 20
INDIAN RIVER BAY SOUTHERN ROUTE

CODE

AREA



LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

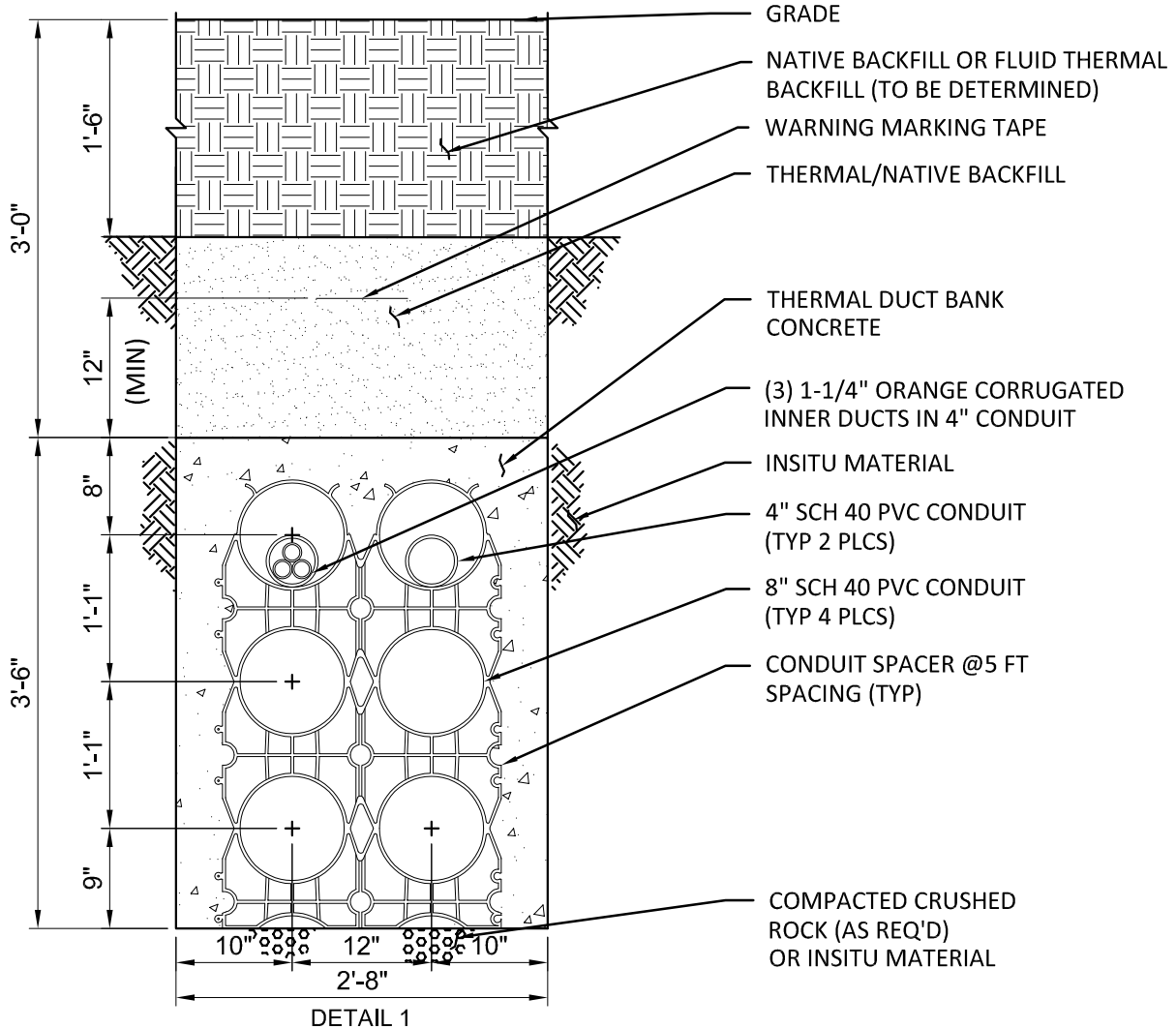
PROJECT	DRAWING NUMBER	REV
410735	- 024	B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

ONSHORE PLAN & PROFILE 3R'S PARKING LOT

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

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

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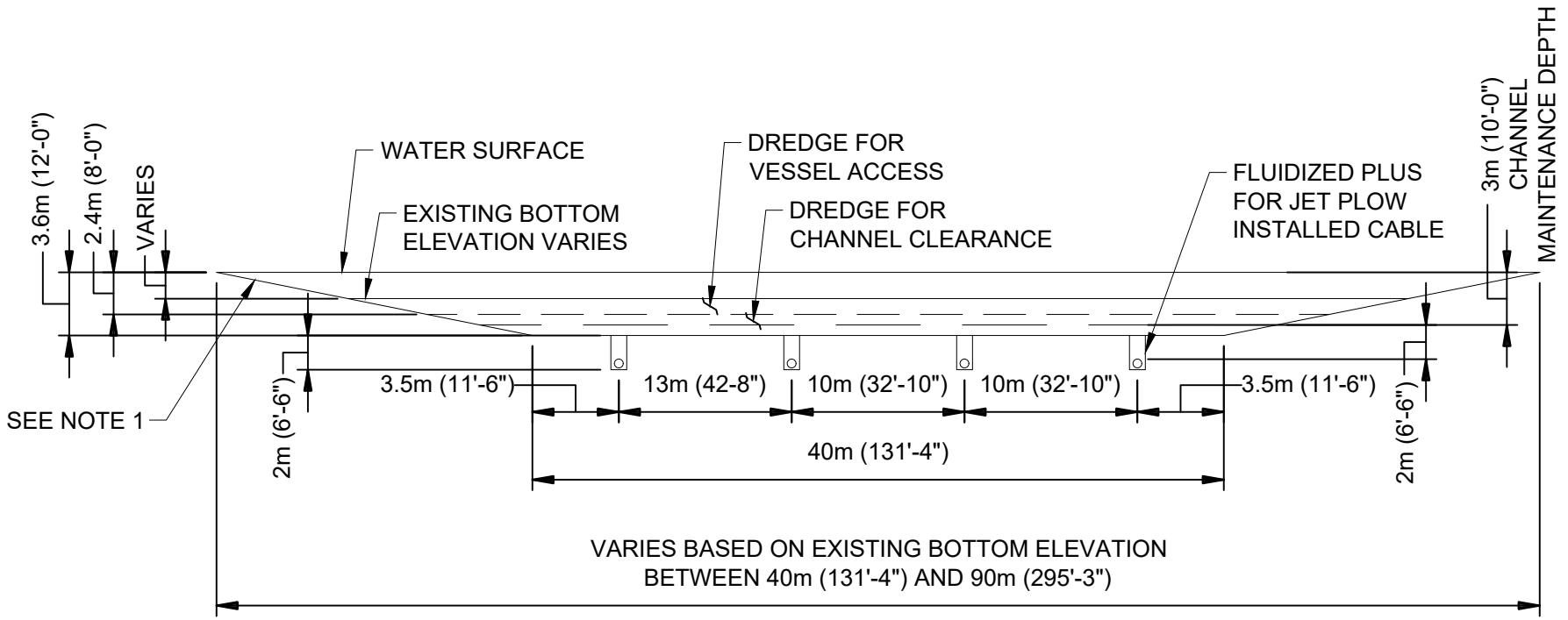
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - 025
DRAWING NUMBER
REV B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/12/23	

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.

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

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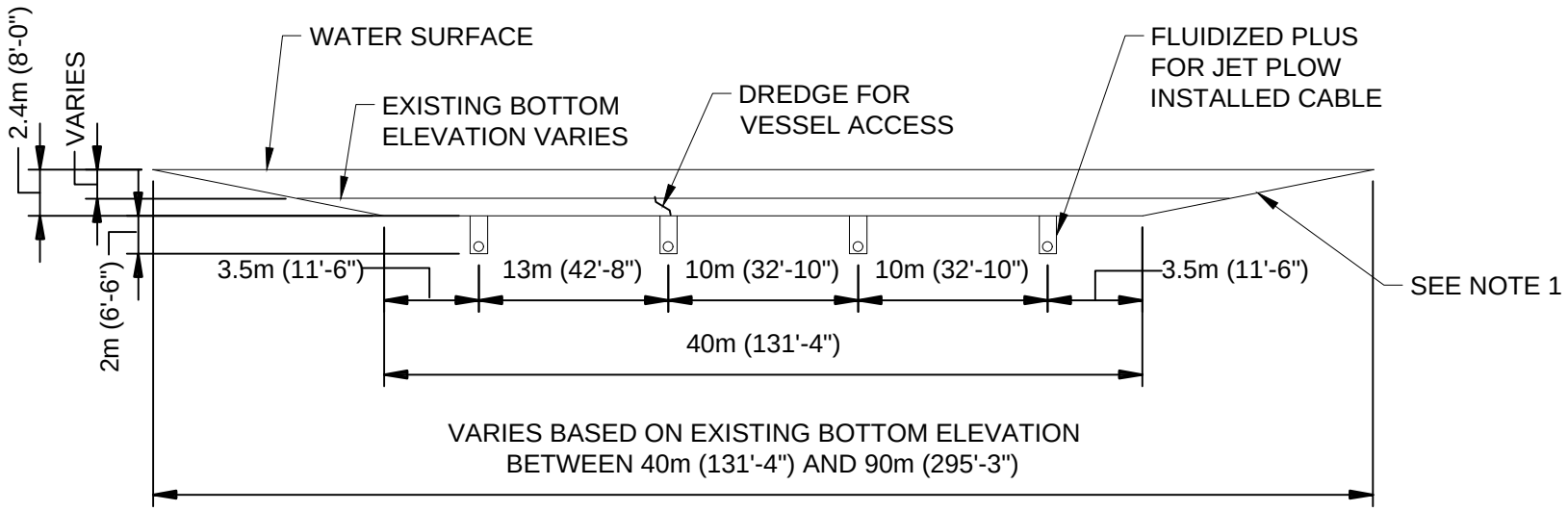
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - 026
DRAWING NUMBER
REV B

DESIGNER	DRAWN
GS	SLH
CHECKED	DATE
RW	06/14/23

TYPICAL CABLE CORRIDOR CROSS SECTION
NEAR NAVIGATIONAL CHANNEL

CODE
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.

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - 027
DRAWING NUMBER
REV B

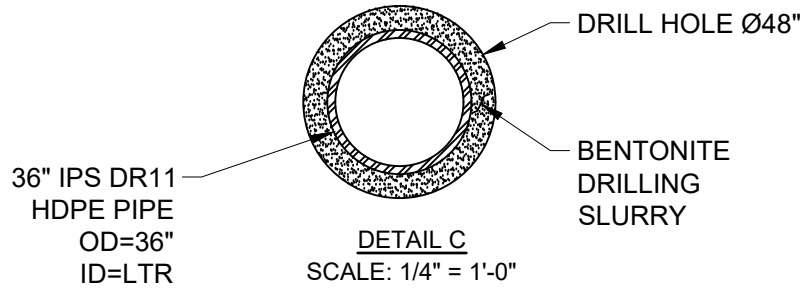
DESIGNER GS
DRAWN SLH
CHECKED RW
DATE 06/14/23

TYPICAL CABLE CORRIDOR CROSS SECTION
AWAY FROM NAVIGATIONAL CHANNEL

CODE
AREA

Horizontal Directional Drill

Cross Section



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

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

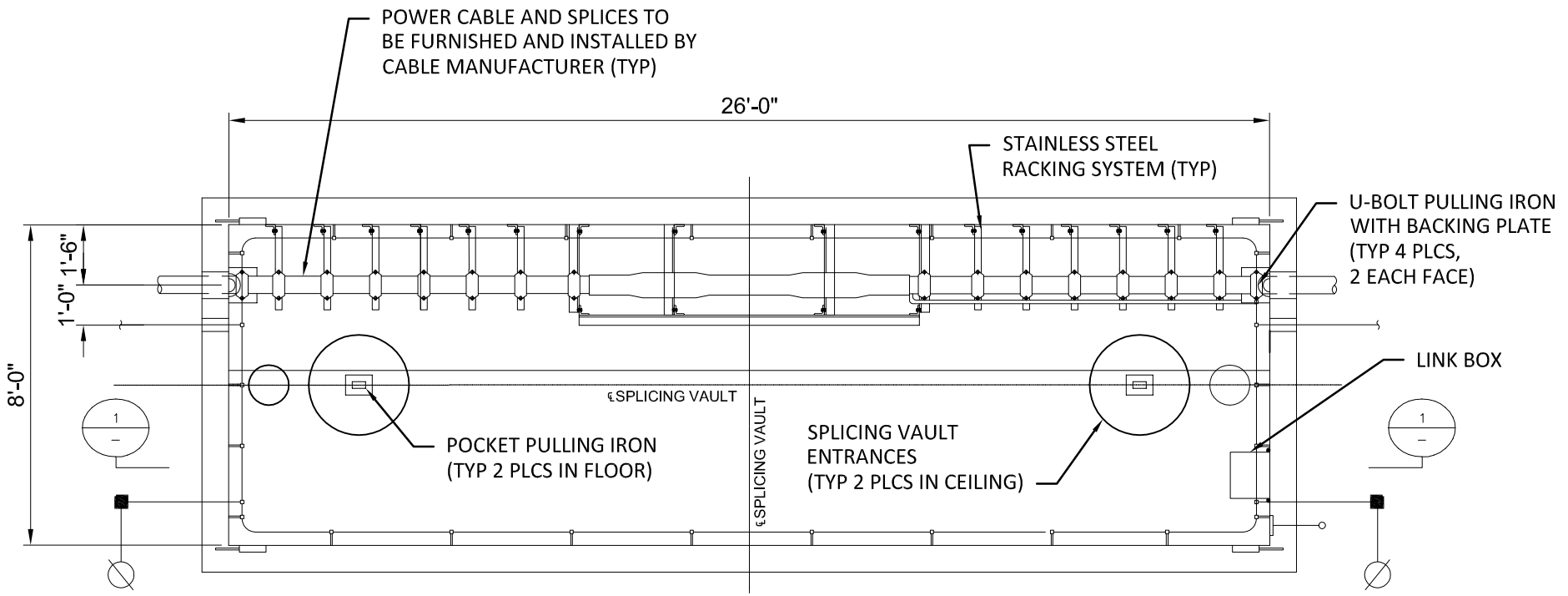
PROJECT DRAWING NUMBER: 410735 - 028
REV: B

DESIGNER	DRAWN
GS	SLH
CHECKED	DATE
RW	06/14/23

HDD SECTION

CODE
AREA

West Side Splicing Vault Details
(Near Substation If Needed)



PLAN VIEW

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

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND

INDIAN RIVER BAY - SINGLE CIRCUIT VAULT

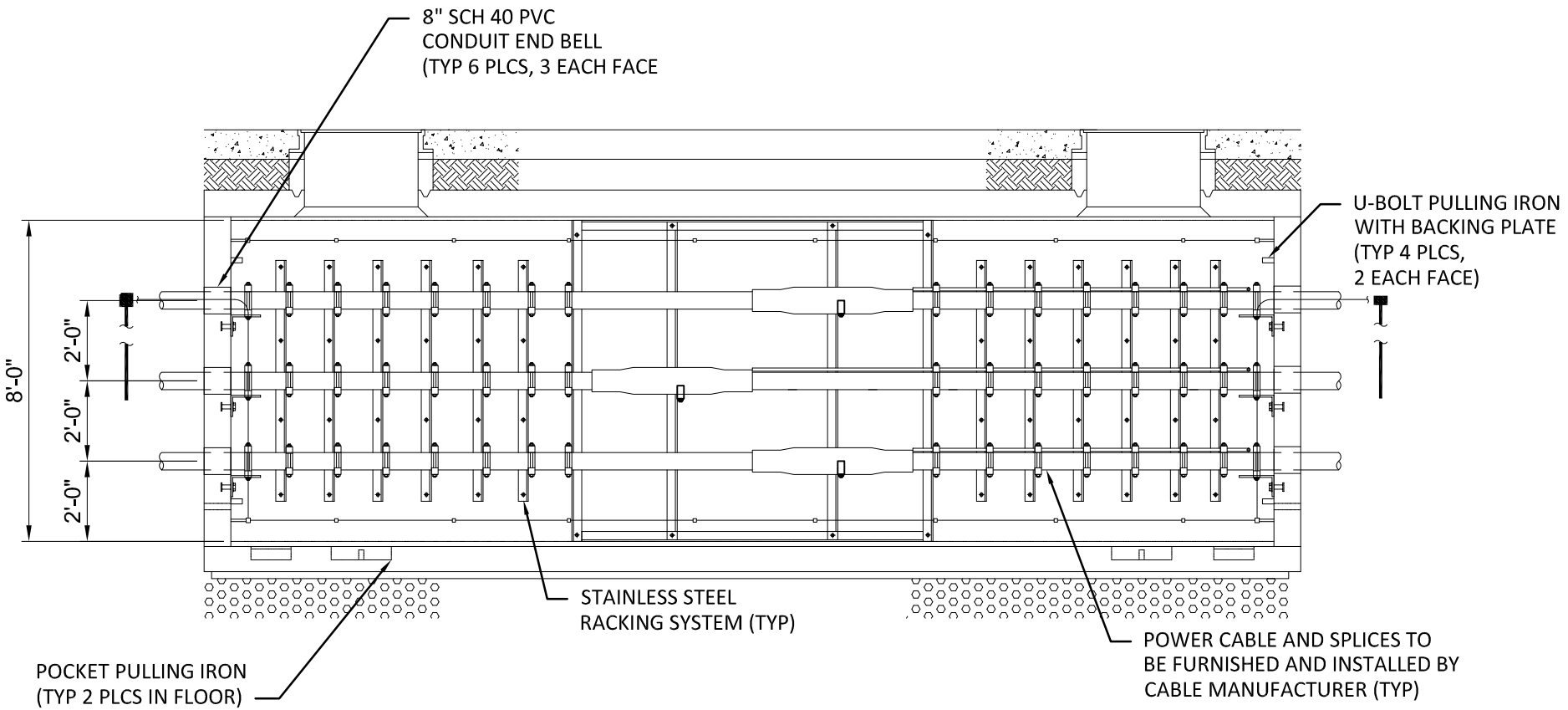
PROJECT 410735 - 029

DRAWING NUMBER

REV B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

SPLICING VAULT ON LAND - PLAN VIEW



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

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - SINGLE CIRCUIT VAULT

PROJECT 410735 - DRAWING NUMBER 030 | REV B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

SPLICING VAULT ON LAND - SECTION VIEW

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

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

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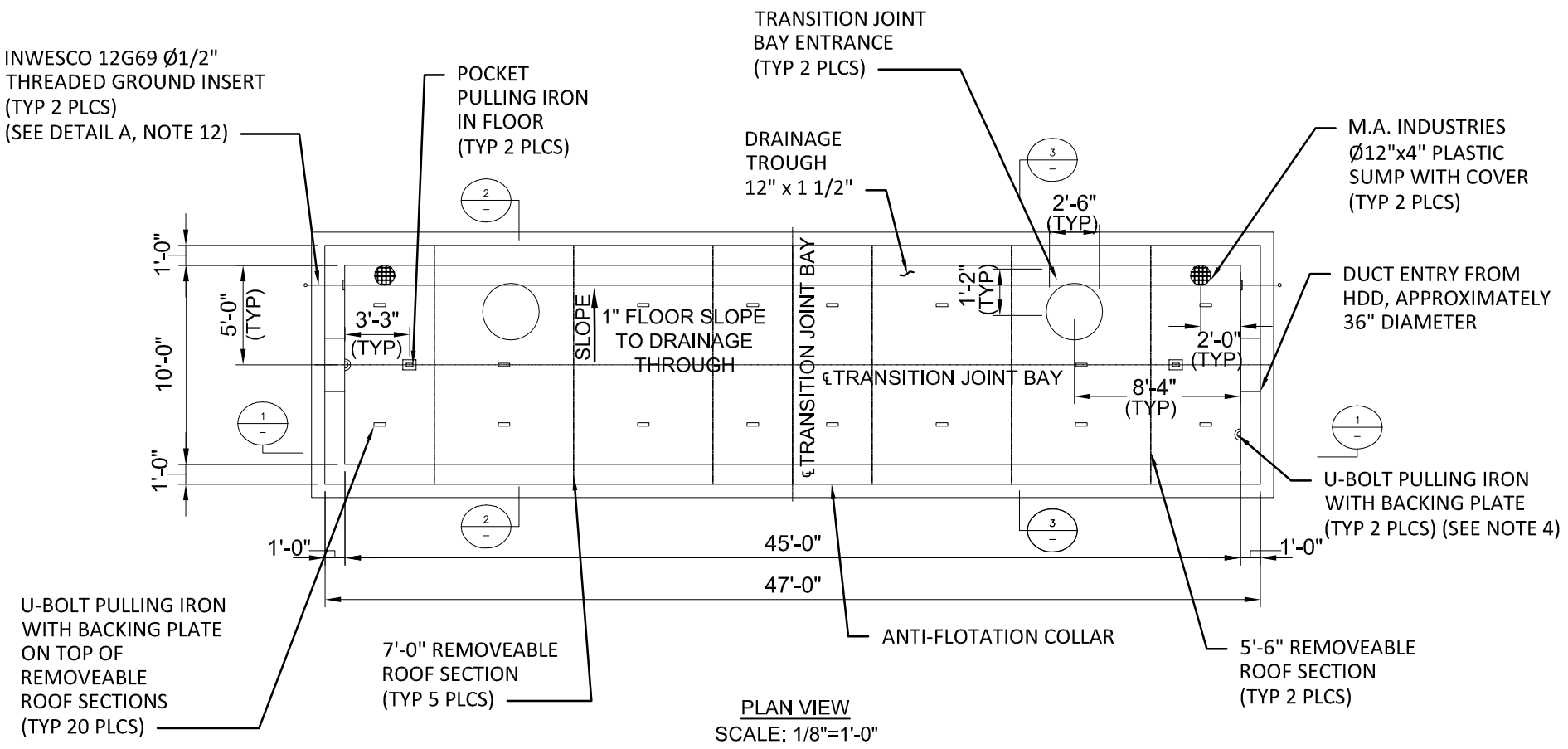
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 031 REV B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

TRANSITION VAULT DETAILS -NOTES



PLAN VIEW
SCALE: 1/8"=1'-0"

NOT TO BE USED FOR CONSTRUCTION

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

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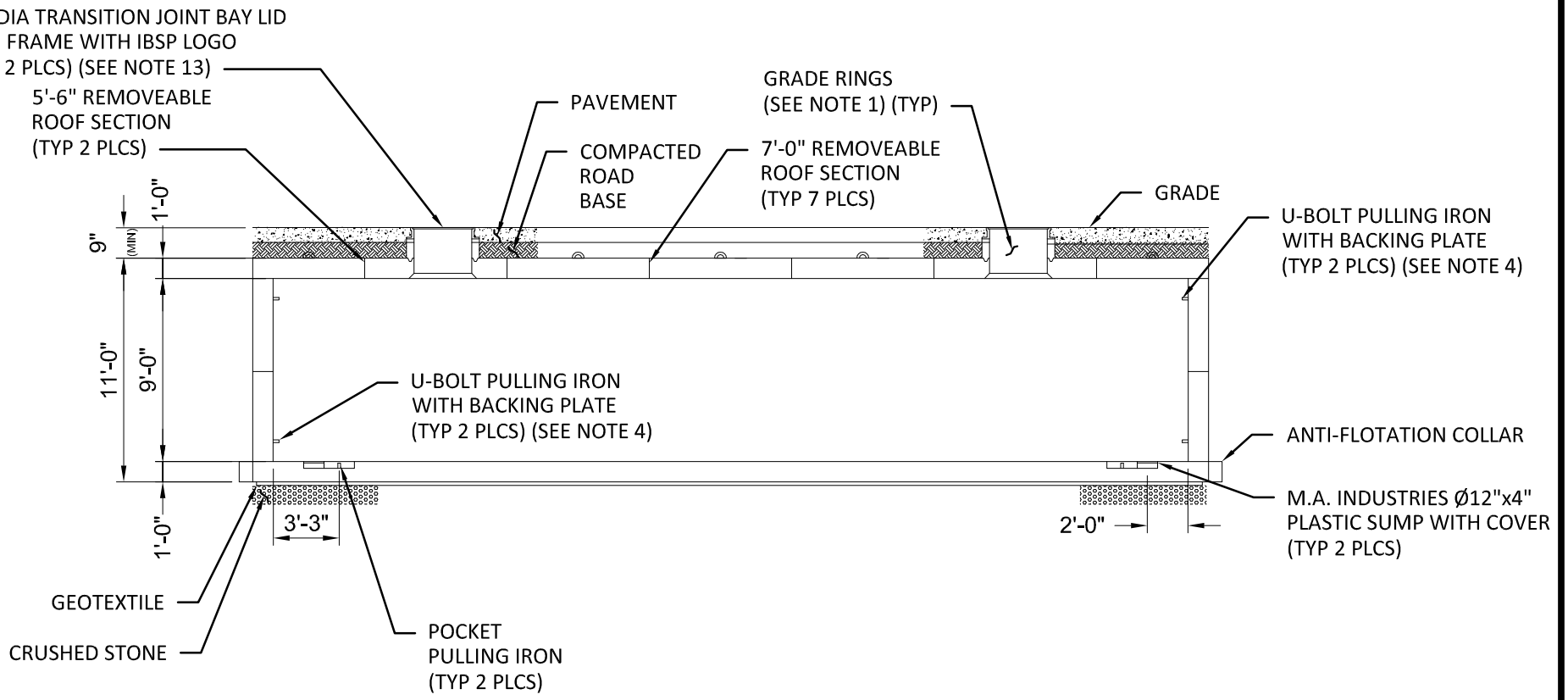
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 032 | REV B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

TRANSITION VAULT DETAILS -PLAN VIEW



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

NOT TO BE USED FOR CONSTRUCTION

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

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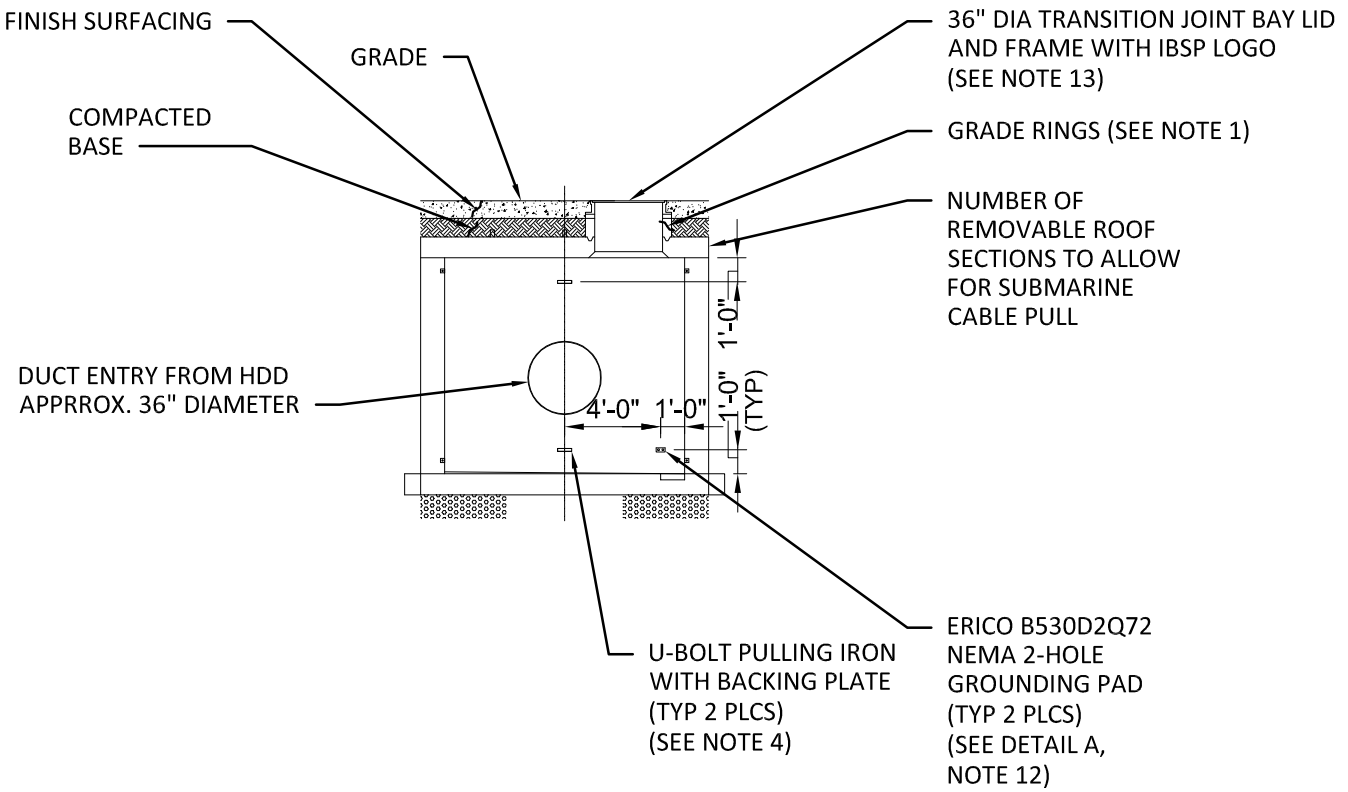
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 033 REV B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

TRANSITION VAULT DETAILS -SECTION VIEW



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

NOT TO BE USED FOR CONSTRUCTION

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
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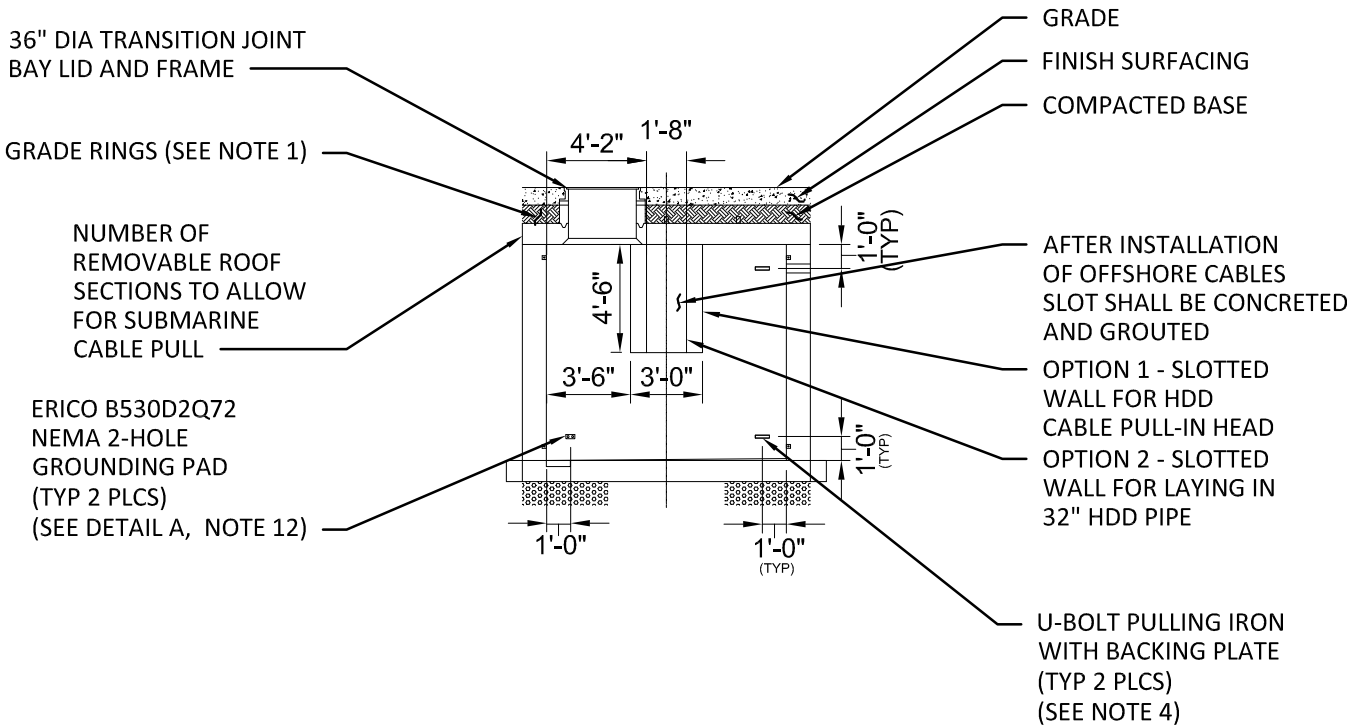
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 034 REV B

DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

TRANSITION VAULT DETAILS -SECTION 2 VIEW



SECTION 3
SCALE: 1/8"=1'-0"

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

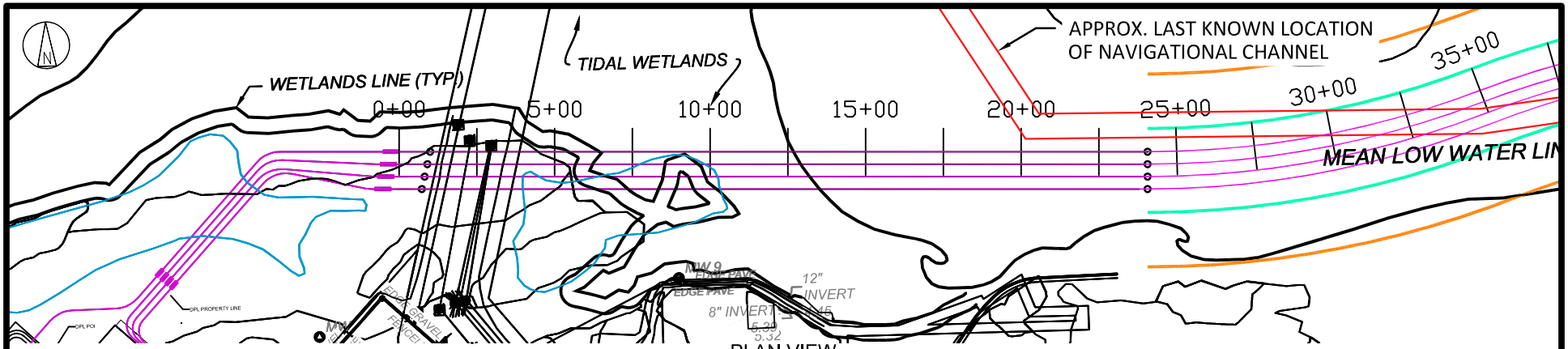
PROJECT 410735 - 035
DRAWING NUMBER
REV B

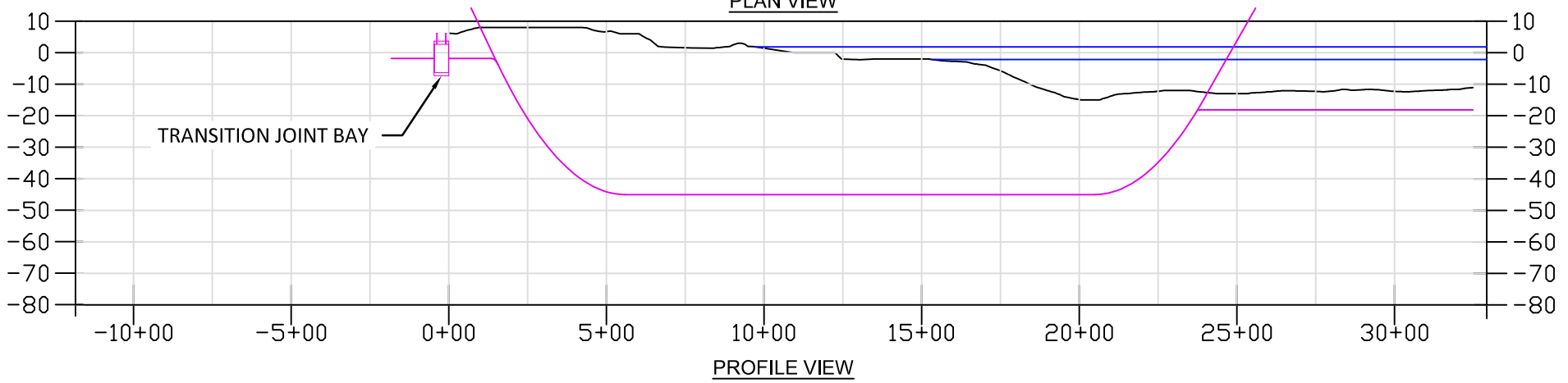
DESIGNER	DRAWN	CODE
GS	SLH	
CHECKED	DATE	AREA
RW	06/14/23	

TRANSITION VAULT DETAILS -SECTION 3 VIEW

Horizontal Directional Drill

Plan and Profiles





LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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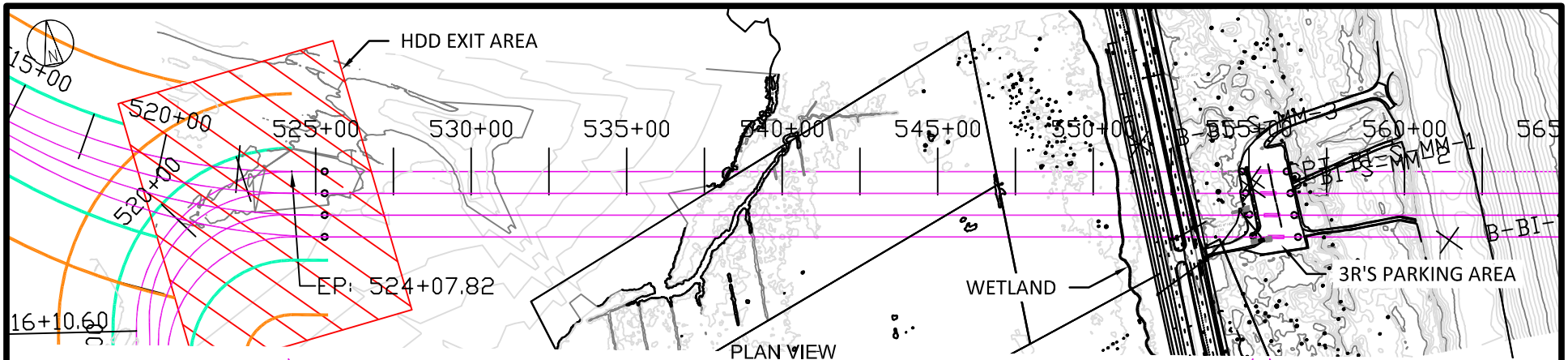
US WIND
INDIAN RIVER BAY - EXPORT CABLES

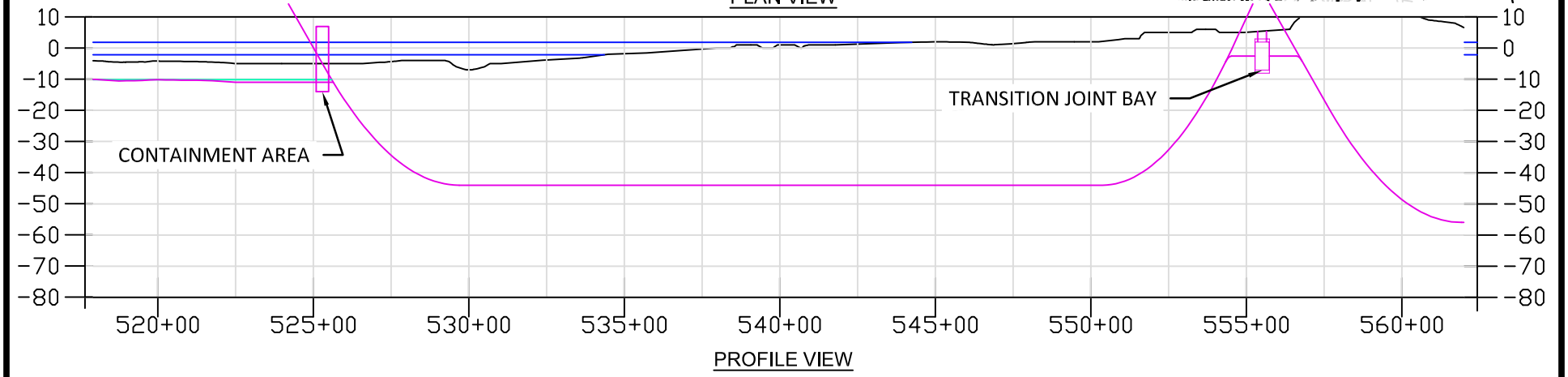
PROJECT 410735 - DRAWING NUMBER 036 REV B

DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 06/14/23

HDD 1 PLAN & PROFILE
WEST LANDING

CODE | AREA





LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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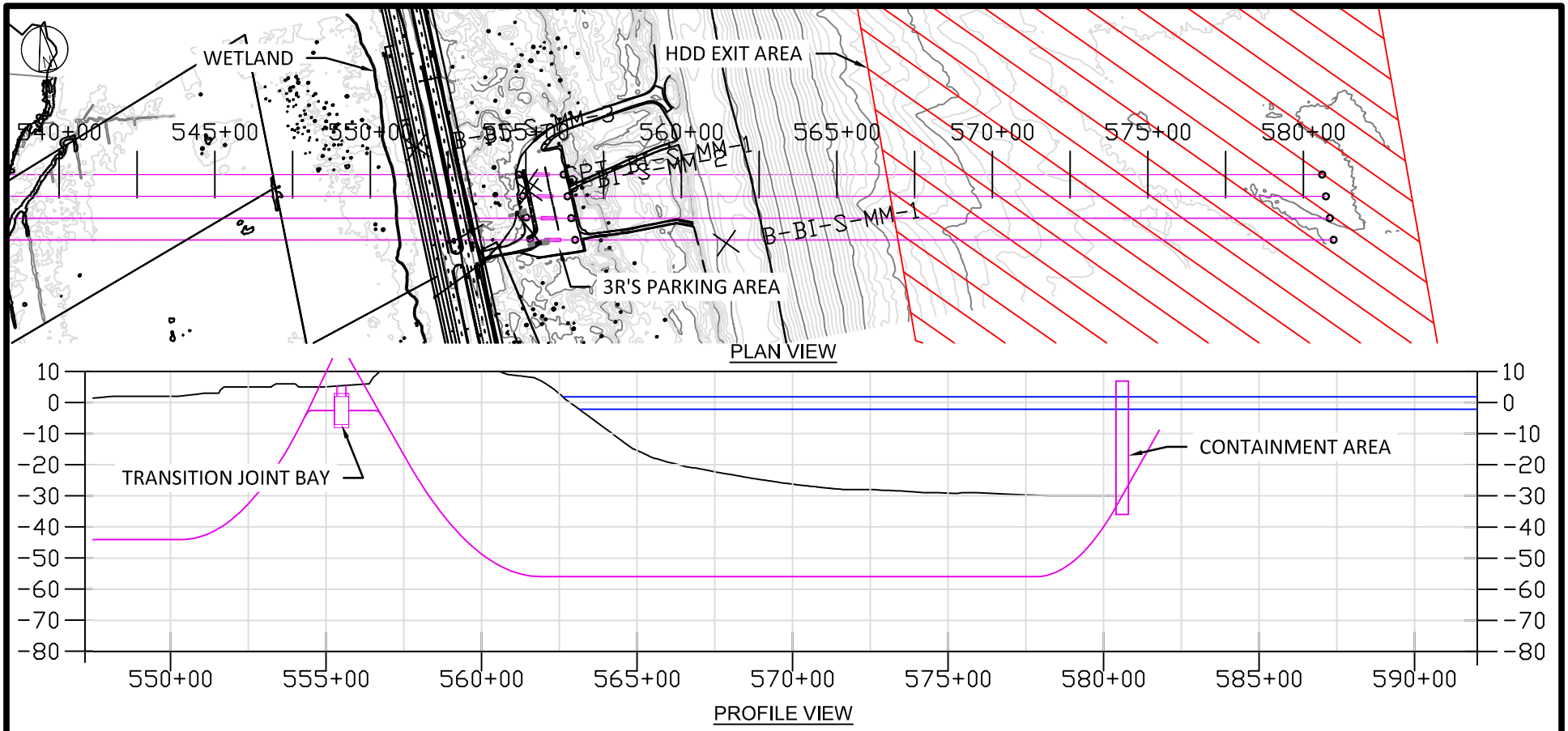
US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - 037
DRAWING NUMBER
REV B

DESIGNER GS
DRAWN SLH
CHECKED RW
DATE 06/14/23

HDD PLAN & PROFILE 2
EAST LANDING - IRB

CODE
AREA



LEGEND:

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

0 250 500 FEET
HORIZONTAL SCALE 1"=500'
0 25 50 FEET
VERTICAL SCALE 1"=50'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 038 REV B

DESIGNER GS
DRAWN SLH
CHECKED RW
DATE 06/14/23

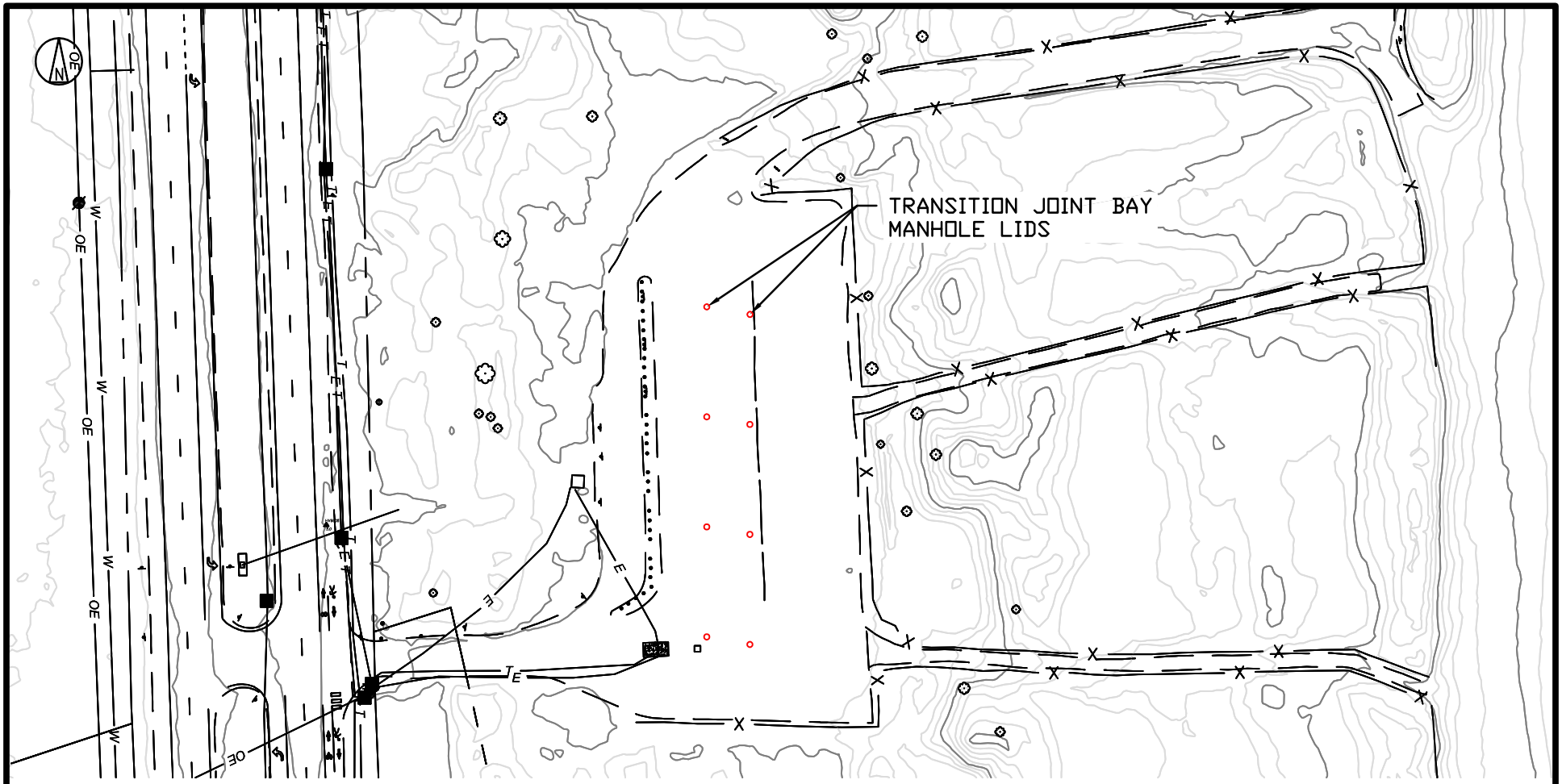
HDD 3 PLAN & PROFILE
EAST LANDING - ATLANTIC

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

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT	DRAWING NUMBER	REV
410735	- 039	B

DESIGNER	DRAWN	CHECKED	DATE
GS	SLH	RW	08/25/23

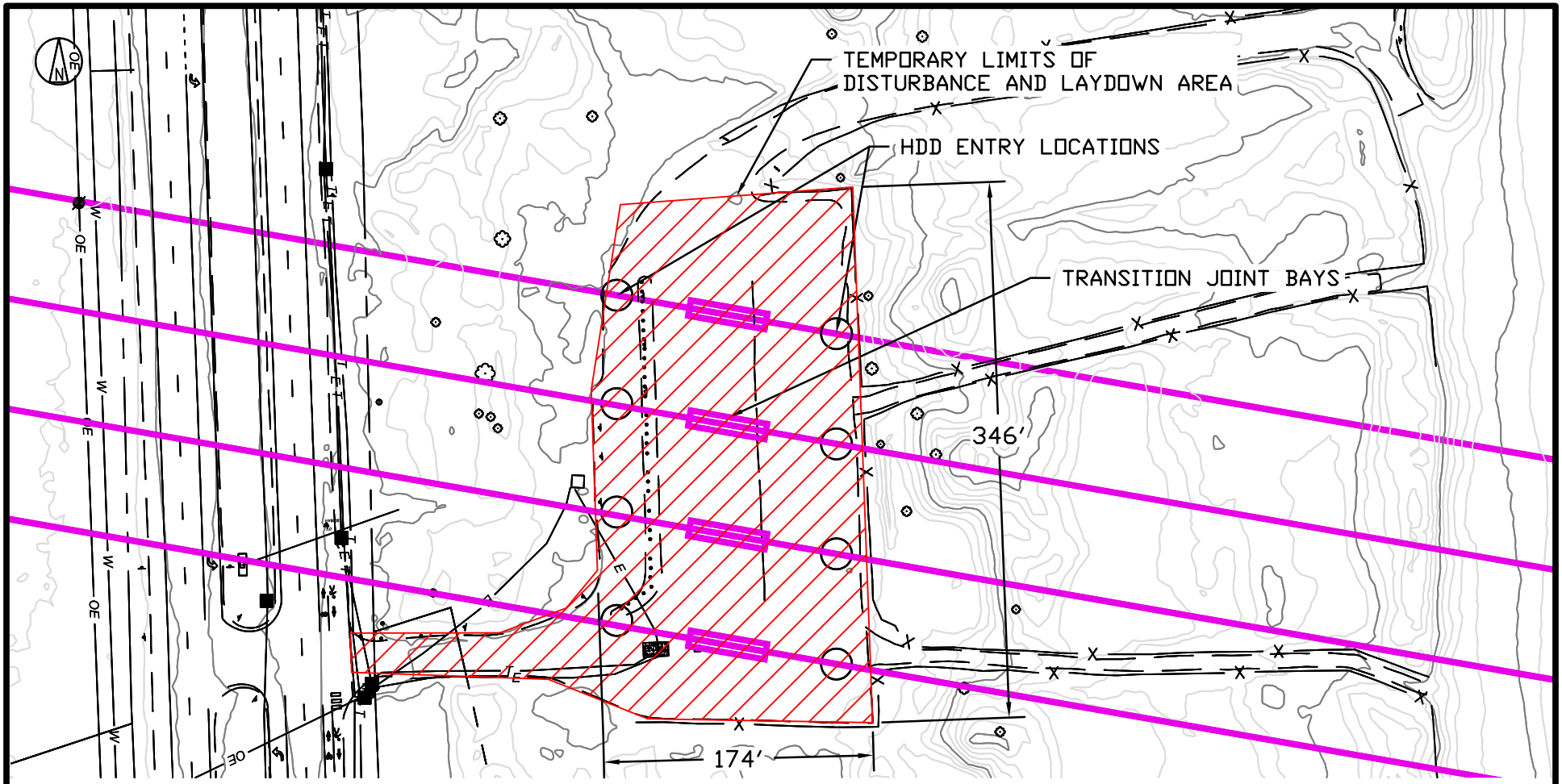
3R'S PARKING LOT
PERMANENT DISTURBANCE AREA

CODE

AREA

East Landing – 3 R's Parking Lot

Temporary Disturbance During Installation



PLAN VIEW

NOTE:

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

0 50 100 FEET

SCALE 1"=100'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT DRAWING NUMBER: 410735 - 040

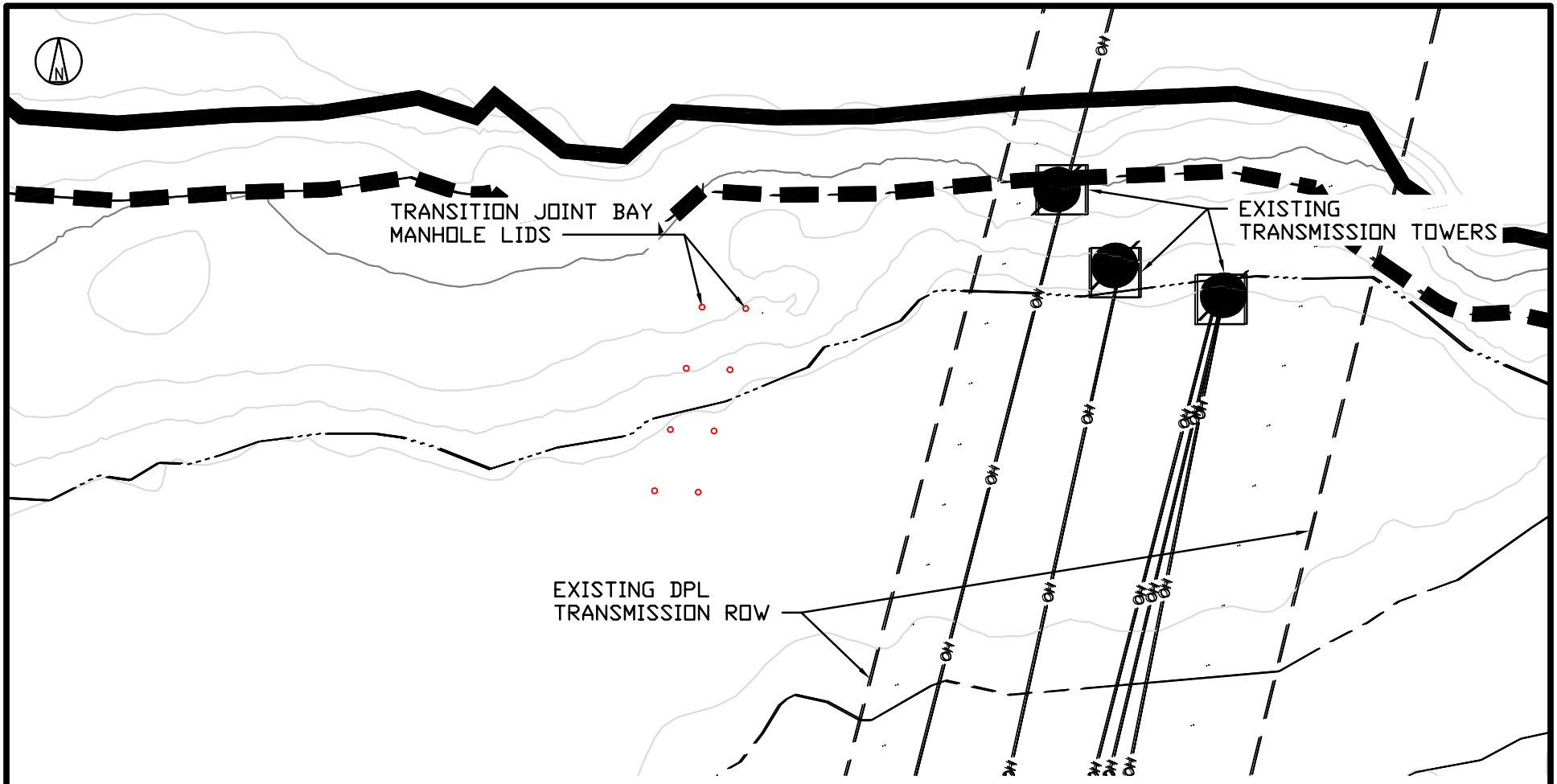
REV: B

DESIGNER: GS
DRAWN: SLH
CHECKED: RW
DATE: 08/25/23

3R'S PARKING LOT
TEMPORARY DISTURBANCE AREA

CODE
AREA

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



NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT	DRAWING NUMBER	REV
410735	- 041	B

DESIGNER	DRAWN	CHECKED	DATE
GS	SLH	RW	08/25/23

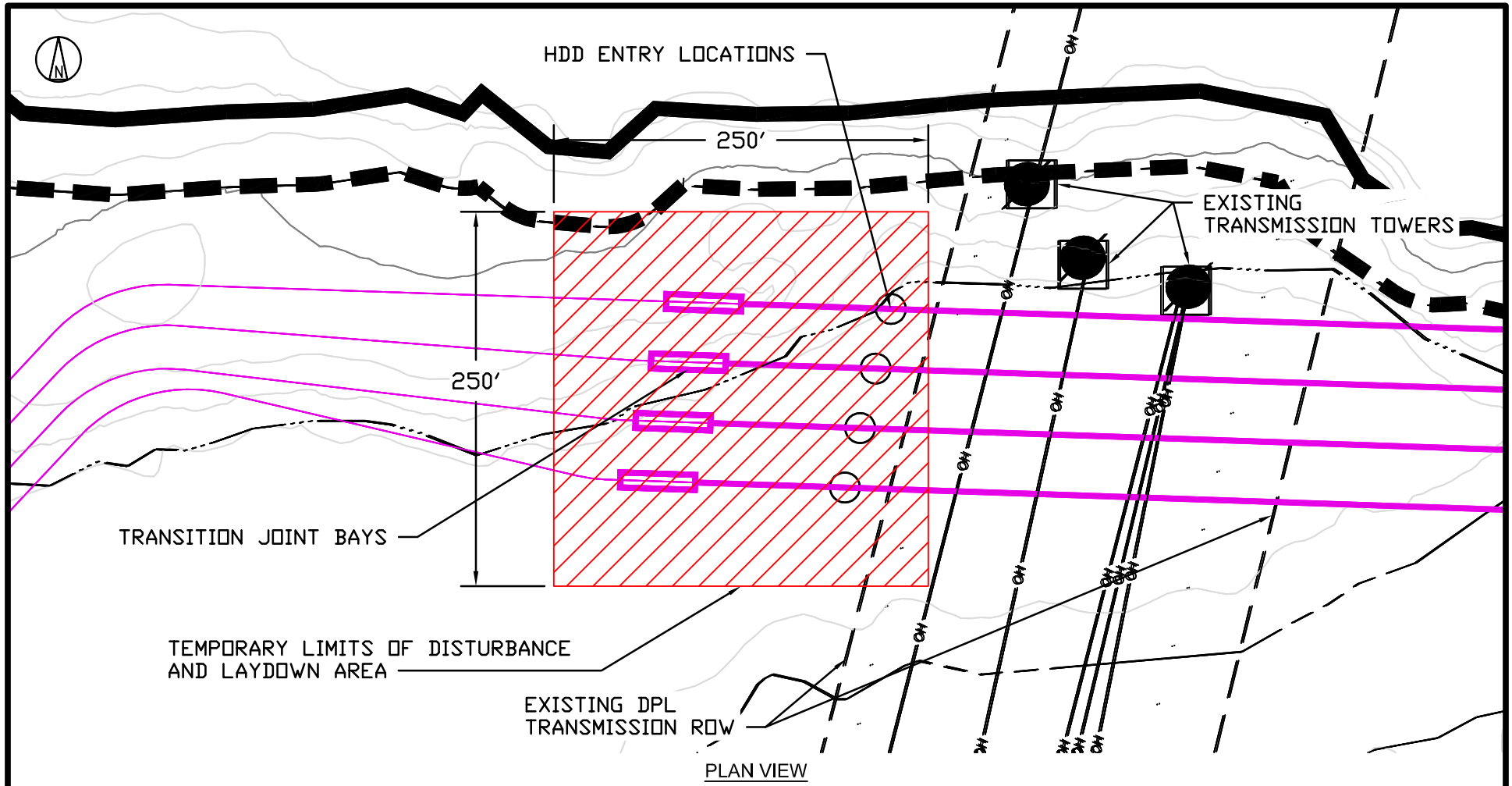
WEST LANDING
PERMANENT DISTURBANCE AREA

CODE

AREA

West Landing – Vicinity of Substations

Temporary Disturbance During Installation



PLAN VIEW

0 50 100 FEET

SCALE 1"=100'

NOT TO BE USED FOR CONSTRUCTION

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

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US WIND
INDIAN RIVER BAY - EXPORT CABLES

PROJECT 410735 - DRAWING NUMBER 042 REV B

DESIGNER GS | DRAWN SLH | CHECKED RW | DATE 08/25/23

WEST LANDING
TEMPORARY DISTURBANCE AREA

CODE

AREA