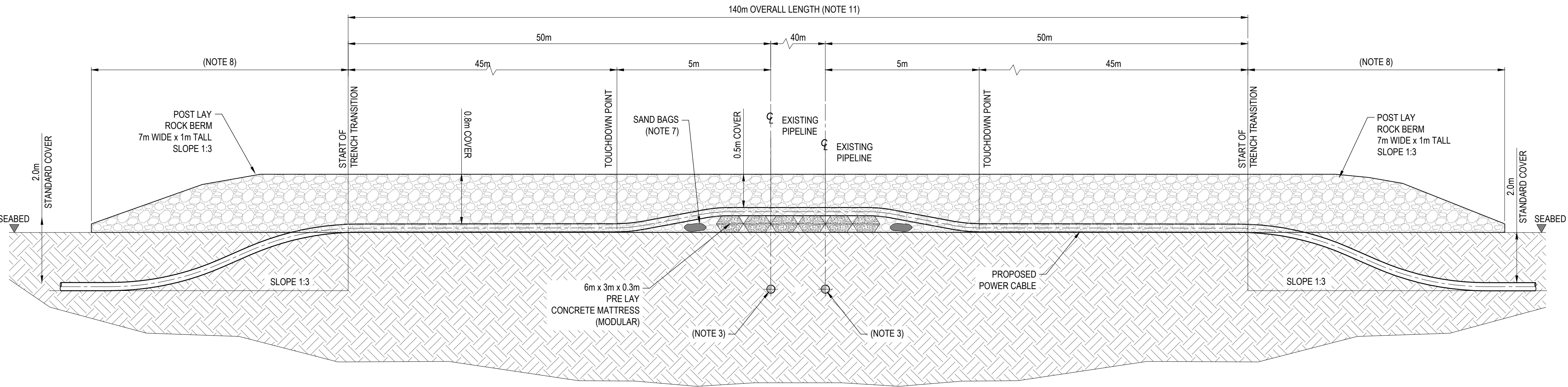
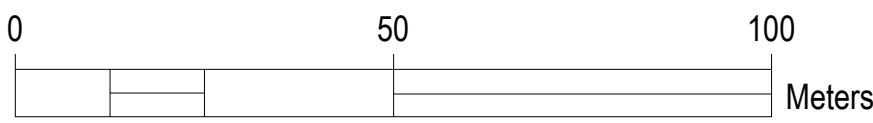


POWER CABLE - DOUGLAS CCS to HAMILTON NORTH					
Tag No.	Description of Crossing	UTM Coordinates		Water Depth	Asset Owner / Operator
		Easting	Northing		
DHNK-1	8" (PL 2939) Production to CONWY	460909.46	5933939.93	27m	LBA
DHNK-2	3" (PL 2941) Condensate PL to CONWY	460909.49	5933940.04	27m	LBA
DHNK-3	8" (PL 2940) Water Injection Pipeline to CONWY + Control Umbilical (PLU 2942) from Douglas to CONWY	460920.54	5933978.53	27m	LBA
DHNK-4	14" Oil Export (PL 1031) to OLU	461482.08	5935104.24	25m	LBA
DHNK-5	14" Gas Export (PL 1041) + 2" Methanol (PL 1042) from Hamilton North	462068.24	5935289.42	25m	LBA
DHNK-6	Existing Power Cable to Hamilton North	462112.27	5935303.33	25m	LBA

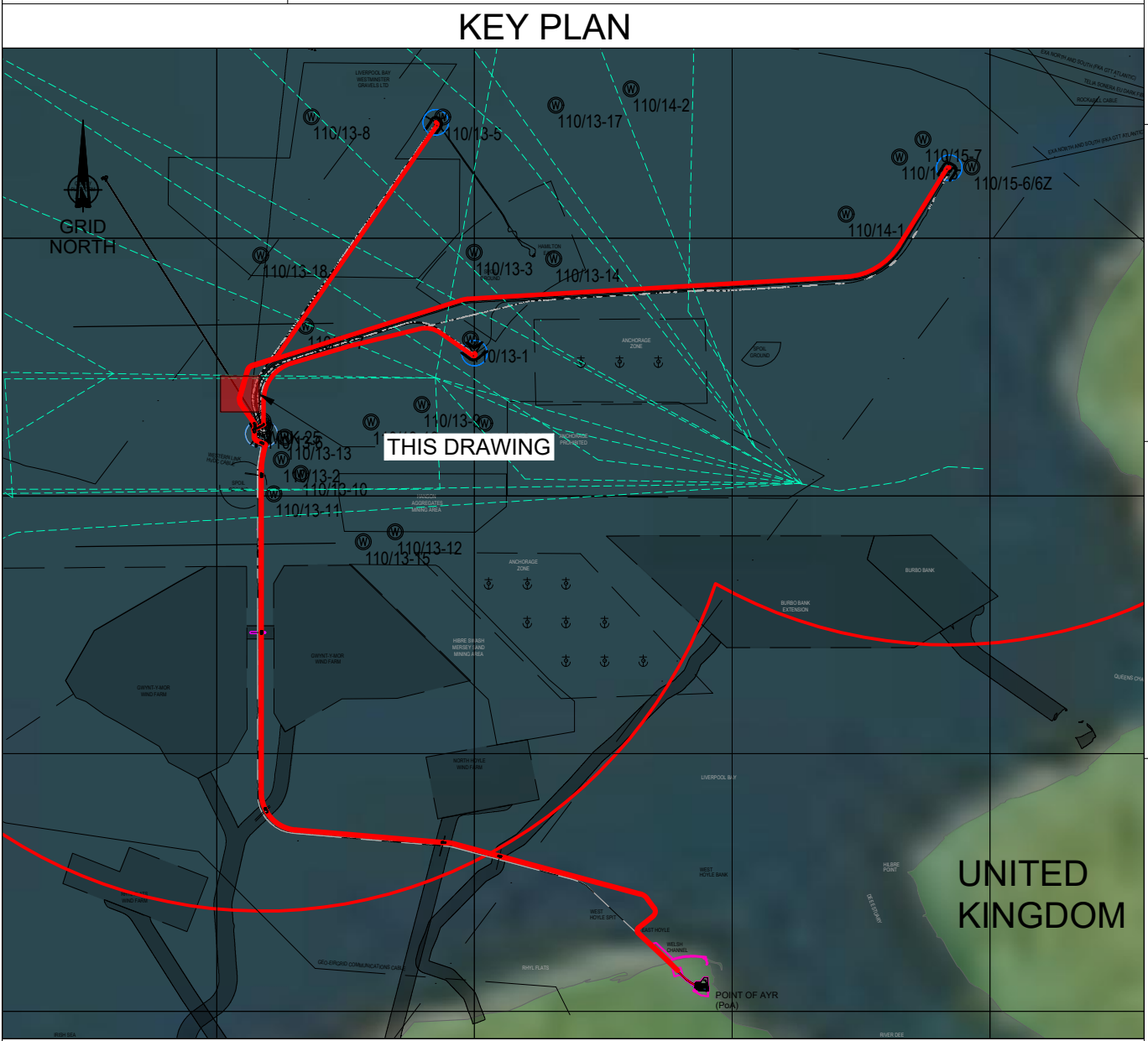
PLAN VIEW OF POWER CABLE DOUGLAS CCS - HAMILTON NORTH
CROSSING (DHNX-1, 2 & 3)

SCALE 1:1000



VIEW
SCALE N.T.S.

REFERENCE DOCUMENTS	
NUMBER	TITLE
1025H08SDG84104	NEW OFFSHORE POWER CABLE AND FIBRE OPTIC FIELD LAYOUT (OFFSHORE SECTION)
1025DSBSCZ84173	OFFSHORE CABLES PRELIMINARY CROSSING DESIGN REPORT

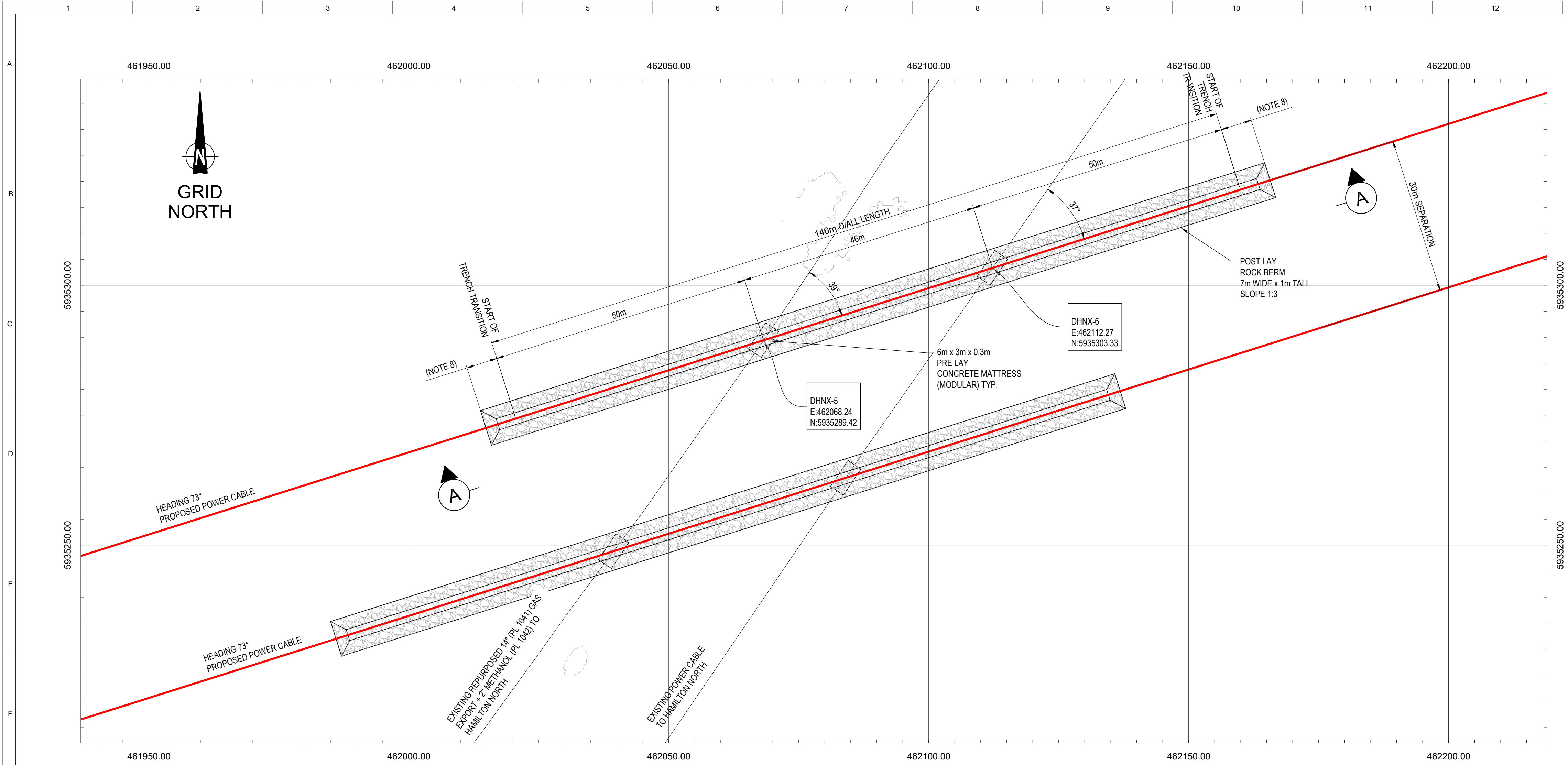


GENERAL NOTES

- ALL DIMENSIONS AND COORDINATES ARE IN METRES UNLESS NOTED OTHERWISE.
- GLOBAL COORDINATE REFERENCE SYSTEM: European Datum 1950 UTM Zone 30N (EPSG: 23030)
- PROJECTED COORDINATE SYSTEM
PROJECTION TRANSVERSE MERCATOR
LINEAR UNIT METERS (1.0)
FALSE EASTING 500000.0
FALSE NORTHING 0.0
CENTRAL MERIDIAN -3.0
SCALE FACTOR 0.9996
LATITUDE OF ORIGIN 0.0
- GEOGRAPHIC COORDINATE SYSTEM
ANGULAR UNIT DEGREE (0.0174532925199433)
PRIME MERIDIAN GREENWICH (0.0)
DATUM European 1950
SPHEROID International 1924
SEMI-MAJOR AXIS 6378388.0
SEMI-MINOR AXIS 6356911.946127946
INVERSE FLATTENING 297
- EXISTING PIPELINES CROSSED, DEPTH OF COVER TO BE CONFIRMED BY EPC CONTRACTOR.
- ASSUMED INSTALLATION TOLERANCE FOR PRE-LAY CONCRETE MATTRESSES OF ±0.5m LAT/LONG.
- THE POSITIONING OF THE CONCRETE MATTRESS WILL BE BASED ON THE ACTUAL SITE CONDITION DURING INSTALLATION. THE EPC CONTRACTOR SHALL ESTABLISH EXACT LOCATION OF CROSSINGS AND REPORT FINDINGS.
- THE CABLE MINIMUM BENDING RADIUS IS ASSUMED TO BE 2.4m DURING INSTALLATION AND OPERATION.
- AFTER CABLE LAYING, SAND BAGS SHALL BE INSTALLED, IF NECESSARY, IN A SUFFICIENT NUMBER IN ORDER TO AVOID THE TRANSFER OF LOADS TO POWER CABLE AT FREE SPANS FROM CONCRETE MATTRESS PROTECTION.
- ROCK DUMP PROTECTION TO BE EXTENDED UNTIL CABLE REACHES 2m BURIAL DEPTH OF COVER.
- CROSSING INSTALLATION SHALL BE IN ACCORDANCE WITH POWER CABLE INSTALLATION SPECIFICATION No. 1025H08SSA84108.
- DURING INSTALLATION OF ROCK DUMP, MATTRESS AND SUBMARINE CABLE, ALL NECESSARY MEASURES SHALL BE TAKEN TO PROTECT THE EXISTING FACILITIES.
- ALL DIMENSIONS ARE INDICATIVE ONLY, FINAL LENGTHS TO BE CONFIRMED BY EPC CONTRACTOR.

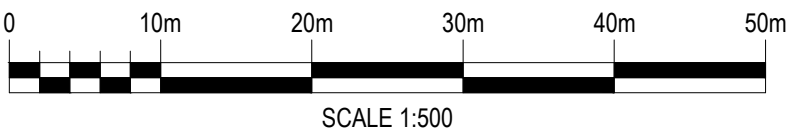
LEGEND

CD-FE	01	18.08.2023	ISSUED FINAL	N.Z.	E.R.	S.G.	
Validity	Rev	Date	Issue For Comment				
Revision Index	Rev	Date	Description	Prepared	Checked	Approved	Approved
Company logo and business name				Company Document ID			
enl uk progetti				105600BSP84915			
Facility and Sub Facility Name				Job: N. JA0614			
DOUGLAS SUBSEA				Project Name			
				LBA CCS Transport and Storage			
Document Title				Scale			
TYPICAL CROSSING				ASNOTED @A1			
GENERAL ARRANGEMENT DRAWING FOR POWER CABLE FROM - DOUGLAS CCS - HAMILTON NORTH (DHNX-1 & 6)				Sheet of Sheets			
				1 / 3			
Supersedes N.				Plant Area			
				N/A			
Supersedes by N.				Plant Unit			
				N/A			

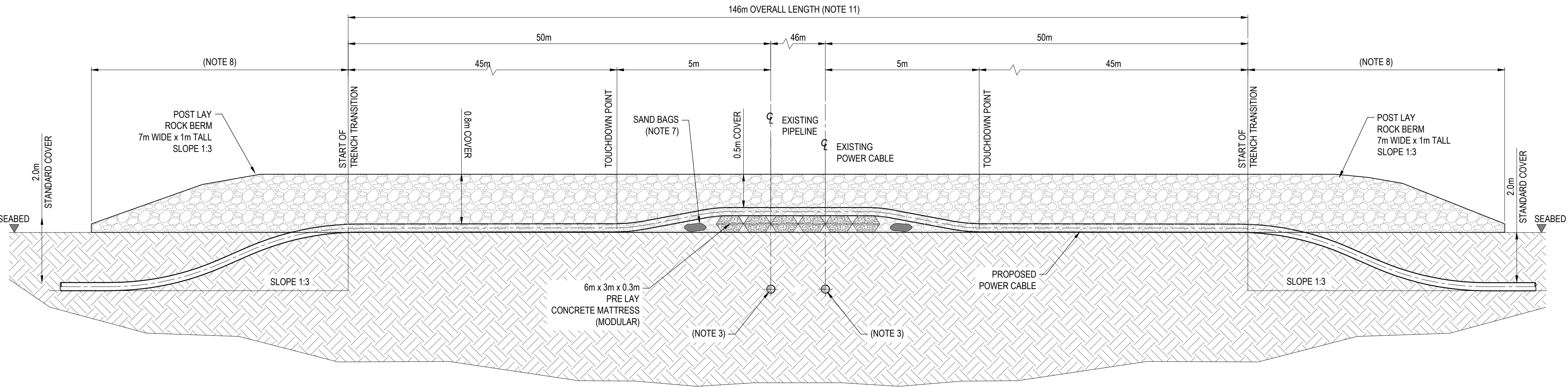


PLAN VIEW OF POWER CABLE DOUGLAS CCS - HAMILTON NORTH
CROSSING (DHNX-5 & 6)

SCALE 1:500



POWER CABLE - DOUGLAS CCS to HAMILTON NORTH					
Tag No.	Description of Crossing	UTM Coordinates		Water Depth	Asset Owner / Operator
		Easting	Northing		
DHNK-1	8" (PL 2939) Production to CONWY	460909.46	5933935.93	27m	LBA
DHNK-2	3" (PL 2941) Condensate PL to CONWY	460909.49	5933940.04	27m	LBA
DHNK-3	8" (PL 2940) Water Injection Pipeline to CONWY + Control Umbilical (PLU 2942) from Douglas to CONWY	460920.54	5933978.53	27m	LBA
DHNK-4	14" Oil Export (PL 1031) to OLU	461482.08	5935104.24	25m	LBA
DHNK-5	14" Gas Export (PL 1041) + 2" Methanol (PL 1042) from Hamilton North	462068.24	5935289.42	25m	LBA
DHNK-6	Existing Power Cable to Hamilton North	462112.27	5935303.33	25m	LBA



VIEW
SCALE N.T.S.

A

REFERENCE DOCUMENTS

NUMBER	TITLE
1025H08SDG84104	NEW OFFSHORE POWER CABLE AND FIBRE OPTIC FIELD LAYOUT (OFFSHORE SECTION)
1025DSBSCZ84173	OFFSHORE CABLES PRELIMINARY CROSSING DESIGN REPORT

KEY PLAN

GENERAL NOTES

- ALL DIMENSIONS AND COORDINATES ARE IN METRES UNLESS NOTED OTHERWISE.
- GLOBAL COORDINATE REFERENCE SYSTEM: European Datum 1950 UTM Zone 30N (EPSG: 23030)

PROJECTED COORDINATE SYSTEM	European Datum 1950 UTM Zone 30N
PROJECTION	TRANSVERSE MERCATOR
LINEAR UNIT	METERS (1.0)
FALSE EASTING	500000.0
FALSE NORTHING	0.0
CENTRAL MERIDIAN	-3.0
SCALE FACTOR	0.9996
LATITUDE OF ORIGIN	0.0

GEOGRAPHIC COORDINATE SYSTEM	European Datum 1950
ANGULAR UNIT	DEGREE (0.0174532925199433)
PRIME MERIDIAN	GREENWICH (0.0)
DATUM	European 1950
SPHEROID	International 1924
SEMI-MAJOR AXIS	6378388.0
SEMI-MINOR AXIS	6356911.946127946
INVERSE FLATTENING	297

- EXISTING PIPELINES & POWER CABLES CROSSED, DEPTH OF COVER TO BE CONFIRMED BY EPC CONTRACTOR.
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- CROSSING INSTALLATION SHALL BE IN ACCORDANCE WITH POWER CABLE INSTALLATION SPECIFICATION No. 1025H08SSA84108.
- DURING INSTALLATION OF ROCK DUMP, MATTRESS AND SUBMARINE CABLE, ALL NECESSARY MEASURES SHALL BE TAKEN TO PROTECT THE EXISTING FACILITIES.
- ALL DIMENSIONS ARE INDICATIVE ONLY, FINAL LENGTHS TO BE CONFIRMED BY EPC CONTRACTOR.

LEGEND

CD-FE	01	18.08.2023	ISSUED FINAL	N.Z.	E.R.	S.G.	
Validity	Rev	21.07.2023	ISSUE FOR COMMENT	N.Z.	E.R.	S.G.	
Revision Index	Date	Description	Prepared	Checked	Approved	Approved	Eni UK
Company logo and business name				Company Document ID			
en uk progetti				105600BDP84915			
Facility and Sub Facility Name				Job: N. JA0614			
DOUGLAS SUBSEA				Project Name			
				LBA CCS Transport and Storage			
Document Title				Scale			
TYPICAL CROSSING				ASNOTED @A1			
GENERAL ARRANGEMENT DRAWING FOR POWER CABLE FROM - DOUGLAS CCS - HAMILTON NORTH (DHNX-1 & 6)				Sheet of Sheets			
				3 / 3			
Supersedes N.				Plant Area			
				N/A			
Supersedes by N.				Plant Unit			
				N/A			