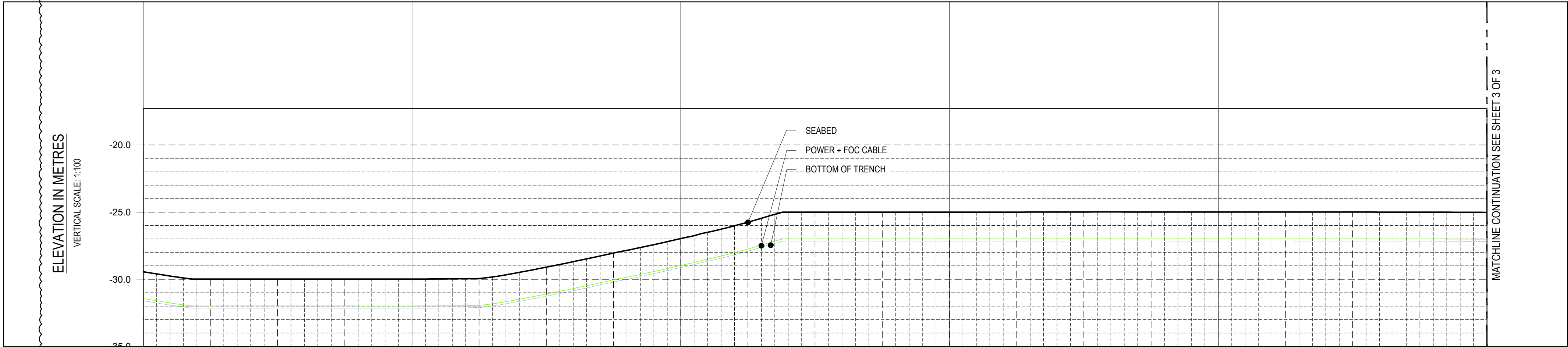


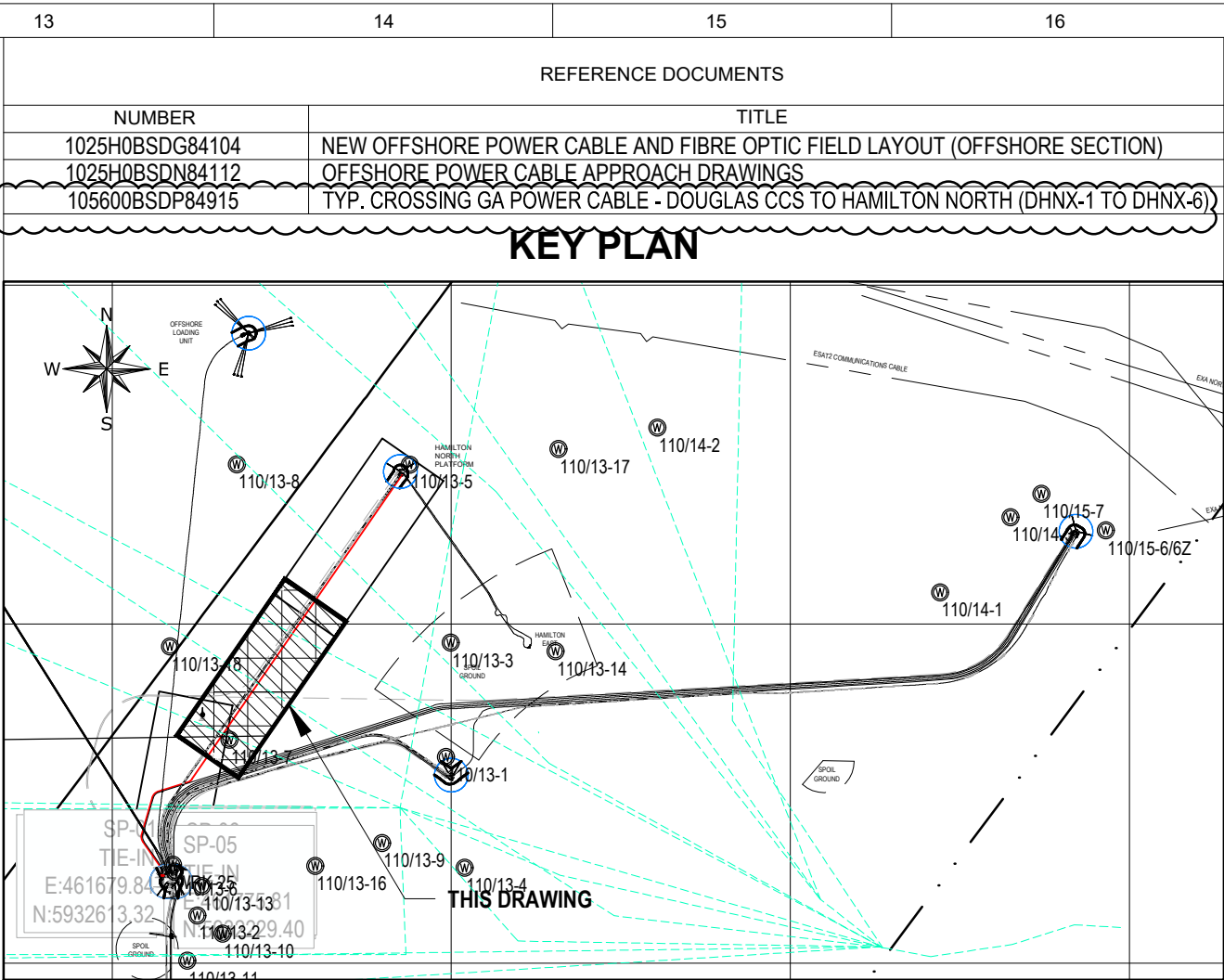
BATHYMETRY & SEABED FEATURES
HORIZONTAL SCALE 1:10,000



SEABED PROFILE
HORIZONTAL SCALE 1:10,000

COMMENTS	
KP ALONG ROUTE	5.0 6.0 7.0 8.0 9.0 10.0
SIZE / NAME / TAG	156.0mm O.D. / SINGLE ARMoured SUBMARINE POWER & TELECOMMUNICATION CABLE / 19/33/36KV POWER CABLE + 48 CORE FIBRE OPTIC CABLE
DETAILS	COPPER CONDUCTOR + XLPE + COPPER WIRES + COPPER FOIL BONDED TO PE SHEATH
MIN BENT RADIUS (OPERATIONAL)	2m (HOLD-1)
APPROX WEIGHT (AIR / WATER)	47 kg/m / 30 kg/m (HOLD-2)
TRENCH DETAILS	BURIED
COVER REQUIREMENTS	2.0m MIN. COVER TOP OF POWER + FOC CABLE
LAY TOLERANCE	±10.0m
CROSSING DETAILS	NONE
MINIMUM BREAKING LOAD	45.6 kNm² (HOLD-3)
SOIL TYPE (TOP LAYER)	SAND

DETAILS
SCALE 1:10,000



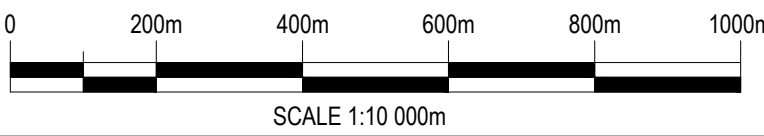
ABBREVIATIONS	
KP - KILOMETRE POINT	DP - DOUGLAS PLATFORM
IP-XX - INTERSECTION POINT	HN - HAMILTON NORTH PLATFORM
TG-XX - TANGENT POINT OF BEND	LNx - LENNOX PLATFORM
TOP - TOP OF PIPE	HM - HAMILTON MAIN PLATFORM
BTM - BOTTOM	SHT - SHEET
BOP - BOTTOM OF PIPE	XX-PLX-01 - LINE No - PIPELINE CROSSING - No.
FOC - FIBRE OPTIC CABLE	XX-FLX-01 - LINE No - FAULT LINE CROSSING - No.
NTS - NOT TO SCALE	XX-FOX-01 - LINE No - FOC / POWER CABLE CROSSING - No.
OD - OUTSIDE DIAMETER	XX-UX-01 - LINE No - UMBILICAL CROSSING - No.
SP - START POINT	XX-FEX-01 - LINE No - FENCELINE CROSSING - No.
EP - END POINT	XX-RDX-01 - LINE No - ROAD CROSSING - No.
PC - POINT OF CURVATURE (ENTRY)	RHB / LHB - RIGHT / LEFT HAND BEND
PT - POINT OF TANGENT (EXIT)	RXXm - RADIUS No. metres

EXISTING PROFILE.	Wk #	SHIP WREK LOCATION AND ID NUMBER.
PROPOSED PROFILE.	110/ # - #	ABANDONED WELL LOCATION AND ID NUMBER.
BOTTOM OF TRENCH PROFILE.		

- NOTES
- BATHYMETRY HAS BEEN DEVELOPED FROM EMOD 5m CONTOUR ED50 UTM 30N DRAWING SET. BATHYMETRY TO BE CONFIRMED ONCE SURVEY HAS BEEN CONDUCTED.
 - FOR CABLE PROTECTION AND SEABED COVER REQUIREMENTS SEE OFFSHORE POWER CABLE PROTECTION REQUIREMENT DOC. No. 1025H0BSRV84107 AND OFFSHORE CABLES PRELIMINARY CROSSING DESIGN REPORT DOC. No. 1025SBSGC284173.
 - FOR POWER CABLE INSTALLATION REQUIREMENTS SEE POWER CABLE INSTALLATION SPECIFICATION DOC. No. 1025H0BSSA84108.

- HOLDS
- TO BE CONFIRMED.
 - TO BE CONFIRMED.
 - TO BE CONFIRMED.

Power Cable Alignment - CCS to HN (KP 0+000 to KP 14+863.90)				
PI Station	Easting	Northing	Distance	Direction
0+000.00	461471.13	5932603.84		
0+169.00	461471.13	5932772.84	169.00	N0°00'00.00"E
1+274.66	460834.67	5933679.37	1107.64	N35°04'19.84"W
2+654.83	461219.85	5935021.40	1396.22	N16°00'50.63"E
3+765.77	462300.23	5935362.71	1133.02	N72°28'03.45"E
14+775.09	468566.06	5944422.64	11015.58	N34°40'03.56"E
14+863.90	468504.93	5944500.52	99.00	N38°08'01.47"W



SCALE 1:10,000

GEODETIC PARAMETERS	
ELLIPSOID	: INTERNATIONAL 1924
DATUM	: EUROPEAN 1950 (ED50)
PROJECTION	: UNIVERSAL TRANSVERSE MERCATOR (UTM)
GRID ZONE	: 30N
CENTRAL MERIDIAN	: 3° E
LATITUDE OF ORIGIN	: 0° N
FALSE EASTING	: 500 000 m
FALSE NORTHING	: 0
SCALE FACTOR ON C.M.	: 0.9996

CD-FE	02	20.09.2023	RE-ASSUED FOR COMMENT	N.Z	E.R	S.G	
CD-FE	01	17.11.2022	ISSUED FINAL	N.Z	S.R	S.G	
CD-FE	00	21.10.2022	ISSUED FOR COMMENT	N.Z	S.R	S.G	
Validity	Rev.	Number	Date	Description	Prepared	Checked	Approved
Revision Index							
Company logo and business name				Company Document ID			
eni uk				1025DSBDSG84142			
Facility and Sub Facility Name				Job. N. JA0614			
DOUGLAS SUBSEA				Scale			
Project Name				1:10K @A1			
LBA CCS Transport and Storage				Sheet of Sheets			
2 / 3							
Document Title				Supersedes N.			
OFFSHORE POWER CABLE - DOUGLAS CCS TO HAMILTON NORTH ALIGNMENT SHEET KP 5+000 - KP 10+000				Superseded by N.			
				Plant Unit			
				NA			

