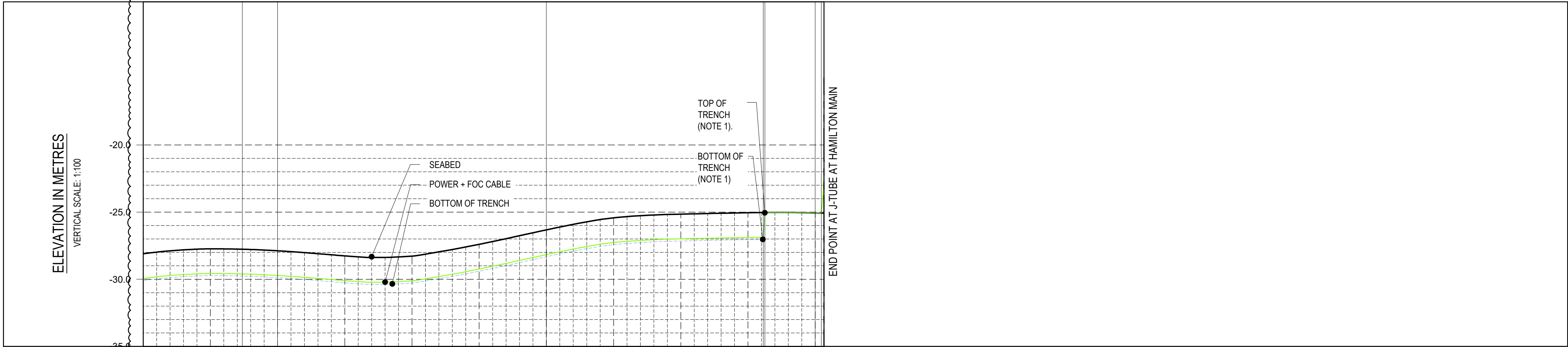


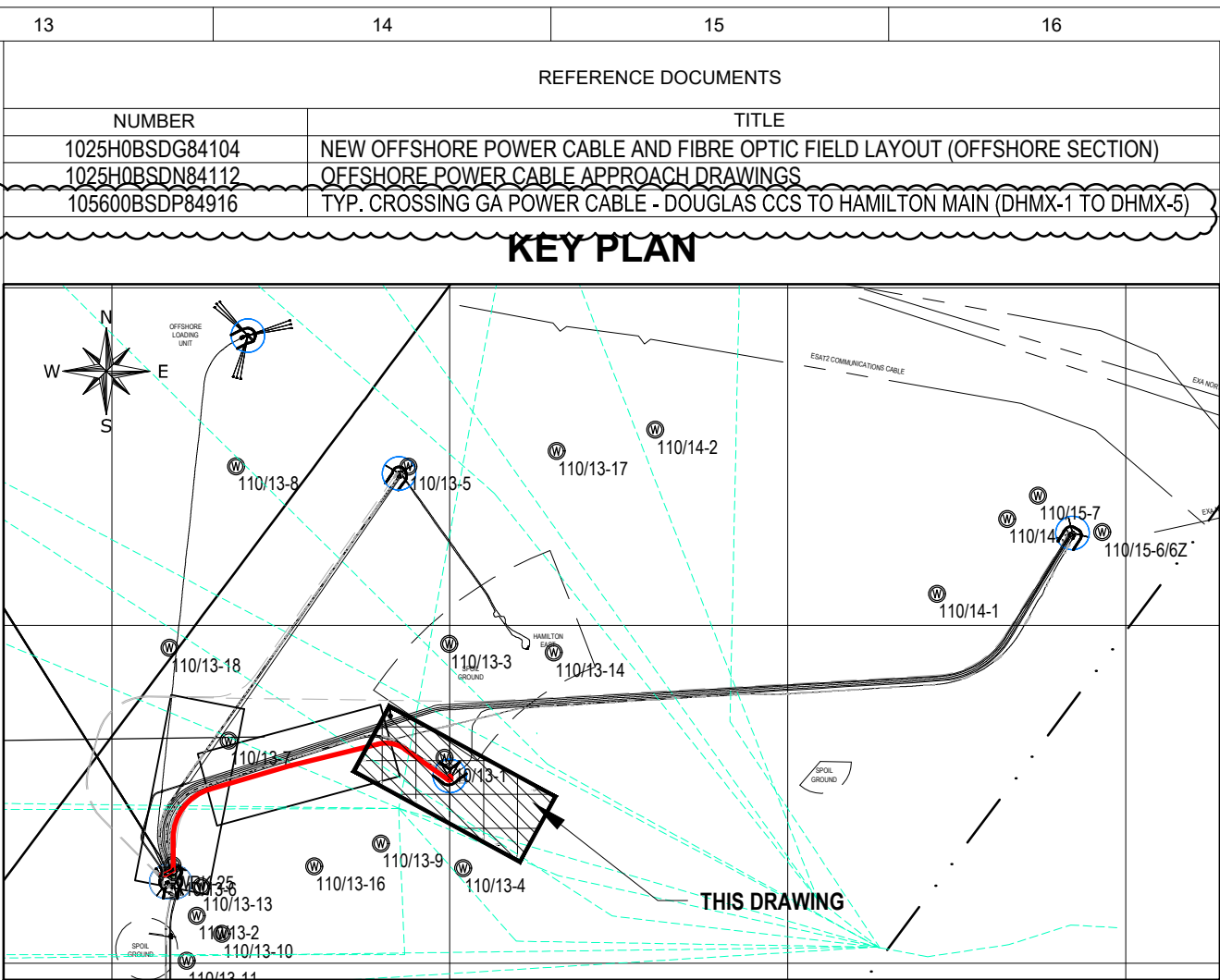
BATHYMETRY & SEABED FEATURES
HORIZONTAL SCALE 1:10,000



SEABED PROFILE
HORIZONTAL SCALE 1:10,000

COMMENTS	IP-05 RHB R1000m	IP-06 RHB R500m
KP ALONG ROUTE	8.5	11.04
SIZE / NAME / TAG	156.0mm O.D. / SINGLE ARMoured SUBMARINE POWER & TELECOMMUNICATION CABLE / 19/33(36)KV POWER CABLE + 48 CORE FIBRE OPTIC CABLE	
DETAILS	COPPER CONDUCTOR + XLPE + COPPER WIRES + COPPER FOIL BONDED TO PE SHEATH	
MIN BEND 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 kNm ² (HOLD-3)	
SOIL TYPE (TOP LAYER)	SAND	

DETAILS
SCALE 1:10,000



LEGEND

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.		SHIP WRECK LOCATION AND ID NUMBER.
	PROPOSED PROFILE.		ABANDONED WELL LOCATION AND ID NUMBER.
	BOTTOM OF TRENCH PROFILE.		

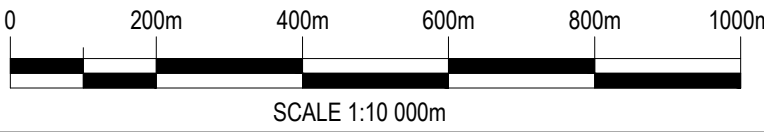
NOTES

- TRENCH TRANSITION HORIZONTAL LENGTH OF 6m 1:3 SLOPE (BOTTOM OF TRENCH = KP 10.806, TOP OF TRENCH = KP 10.812).
- 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. 1025DSBSC284173.
- 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 - CCS130 to HM (KP 0+000 - KP 11+032.98)				
IP Station	Easting	Northing	Distance (m)	Direction
0+000.00	461,473.03	5,932,403.11	29.363	N24° 33' 41.13"E
0+029.36	461,485.24	5,932,630.01	94.158	N00° 00' 00.00"E
0+122.09	461,579.40	5,932,630.01	268.768	N60° 36' 04.42"E
0+389.70	461,813.56	5,932,761.95	2,077.51	N0° 00' 00.00"W
2+461.11	461,813.56	5,934,834.46	3,615.23	N73° 38' 37.38"E
5+756.25	465,282.47	5,935,852.54	3,110.52	N76° 17' 46.13"E
8+888.76	468,503.37	5,936,593.83	2,230.38	S54° 53' 26.67"E
11+043.00	470,127.95	5,935,311.05	263.58	N27° 16' 22.10"E
11+032.98	470,017.17	5,935,545.33		



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.G	S.G		
Revision Index	Date		Description	Prepared	Checked	Approved	Approved Eni UK	
Company logo and business name				Company Document ID				
Facility and Sub Facility Name				Job N. JA0614				
DOUGLAS SUBSEA				1025DSBDSG84144				
Document Title				Supersedes N.				
OFFSHORE POWER CABLE - DOUGLAS CCS TO HAMILTON				Superseded by N.				
MAIN ALIGNMENT SHEET KP 8+500 - KP 11+033				Plant Area				
				Plant Unit				
				NA				
				NA				