



REFERENCE DOCUMENTS	
NUMBER	TITLE
1025H0BSDG84100	NEW OFFSHORE POWER CABLE AND FIBRE OPTIC FIELD LAYOUT (ONSHORE SECTION)
1025H0BSDG84104	NEW OFFSHORE POWER CABLE AND FIBRE OPTIC FIELD LAYOUT (OFFSHORE SECTION)



- ### 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 |
- PRELIMINARY ROUTING BASED ON EXISTING SEABED ARCHITECTURE AROUND EACH PLATFORM. PIPELINES/POWER CABLES TO BE DECOMMISSIONED (SEE NOTE 4) ARE NOT SHOWN FOR CLARITY. APPROACH DRAWINGS TO BE CONFIRMED DURING DETAILED DESIGN ENGINEERING.
 - POWER CABLE APPROACH DRAWINGS TO BE REVIEWED AGAINST DECOMMISSIONING SCOPE FOR THE PROJECT SEE DRAWING No. 1023D0BLDG80024.
 - PROTECTION REQUIREMENTS FOR OFFSHORE POWER CABLES TO BE IN ACCORDANCE WITH OFFSHORE POWER CABLE PROTECTION REQUIREMENT DOCUMENT No. 1025H0BSRV84107.
 - PROTECTION REQUIREMENTS AT THE TRENCH TRANSITION ZONE TO BE CONFIRMED DURING DETAILED DESIGN ENGINEERING.
 - FUTURE PIPELINE RISER / SPOOLS.
 - FOR POWER CABLE CROSSINGS AT PLATFORM APPROACHES SEE OFFSHORE POWER CABLES PRELIMINARY CROSSINGS DESIGN REPORT 1025DSBSCZ84173.
 - TO ENSURE THE FUTURE DECOMMISSIONING AND REMOVAL OF THE OIL EXPORT PIPELINE, A CONCRETE BRIDGE STRUCTURE HAS BEEN CONSTRUCTED TO FACILITATE THE CROSSING OF THE CABLE OVER THE PIPELINE. TO BE REVIEWED AGAINST THE DECOMMISSIONING SCOPE.
 - THE CONTRACTOR NEEDS TO VERIFY THAT THE EXISTING CABLES TO HAMILTON NORTH AND HAMILTON MAIN FROM THE DOUGLAS PLATFORM WILL BE DECOMMISSIONED AND REMOVED PRIOR TO INSTALLING THE NEW SUBSEA CABLE. TO BE REVIEWED AGAINST THE DECOMMISSIONING SCOPE.

ABBREVIATIONS

PoA	-	POINT OF AYR	HM	-	HAMILTON MAIN
HN	-	HAMILTON NORTH	TTx	-	TRENCH TRANSITION No.
LNx	-	LENNOX	PC	-	POWER CABLE

LEGEND

- NEW POWER CABLE ROUTES.
- EXISTING PIPELINES / UMBILICALS / POWER CABLES.
- CONCRETE MATTRESS PROTECTION (6 x 3 x 0.3m) U.N.O.
- SHIPWRECK LOCATION.
- ABANDONED WELL LOCATION AND IDENT.
- JACK-UP RIG EXCLUSION ZONE.
- PROHIBITED ANCHORING EXCLUSION ZONE 200m RADII.

0 20m 40m 60m 80m 100m

SCALE 1:1000

CD-FE	06	07.09.2023	RE-ISSUED FINAL	N.Z.	E.R.	S. Gandhi
CD-FE	05	18.08.2023	RE-ISSUED FOR COMMENT	N.Z.	E.R.	S.G.
CD-FE	04	18.07.2023	RE-ISSUED FINAL	N.Z.	E.R.	S.G.
CD-FE	03	05.05.2023	RE-ISSUED FOR COMMENT	N.Z.	E.R.	S.G.
Validity	Number	Date	Description	Prepared	Checked	Approved
Eni	progetti					
Company logo and business name			Company Document ID			
Facility and Sub Facility Name			Project Name	Scale	Sheet of Sheets	
HAMILTON GENERAL			LBA CCS Transport and Storage	1:1000 @A1	1 / 2	
Document Title			Supersedes N.	Plant Area	Plant Unit	
OFFSHORE POWER CABLE APPROACH DRAWINGS			NA	NA	NA	



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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

- PRELIMINARY ROUTING BASED ON EXISTING SEABED ARCHITECTURE AROUND EACH PLATFORM, CABLE APPROACH DRAWINGS TO BE CONFIRMED DURING DETAILED DESIGN ENGINEERING.
- CABLE APPROACH DRAWINGS TO BE REVIEWED AGAINST DECOMMISSIONING DRAWING No. 1025HBSDDG84170, 1025HBSDDG84171 AND 1025HBSDDG84172.
- J-TUBES ARRANGEMENTS BELOW:

J-TUBES AT LENNOX PLATFORM

NEW CABLE FROM DOUGLAS - NEW J-TUBE (LOCATED PLATFORM WEST).

J-TUBES AT HAMILTON MAIN PLATFORM

NEW POWER CABLE FROM DOUGLAS - NEW J-TUBE (LOCATED PLATFORM SOUTH EAST).

J-TUBES AT HAMILTON NORTH PLATFORM

NEW POWER CABLE FROM DOUGLAS - NEW J-TUBE (LOCATED PLATFORM SOUTH EAST).

- EXISTING PIPELINES / CABLES ADJACENT TO THE PLATFORM SHALL BE DECOMMISSIONED WHEREUPON THE EXISTING PIPELINE / CABLES REACHES FULL BURIAL DEPTH.

ABBREVIATIONS

PoA	-	POINT OF AYR	TTx	-	TRENCH TRANSITION No.
HN	-	HAMILTON NORTH	PC	-	POWER CABLE
LNx	-	LENNOX	WD	-	WATER DEPTH
HM	-	HAMILTON MAIN			

LEGEND

	NEW POWER CABLE ROUTES.
	EXISTING PIPELINES / UMBILICALS / POWER CABLES.
	CONCRETE MATTRESS PROTECTION (6 x 3 x 0.3m) U.N.O.

CD-FE	06	07.09.2023	RE-ISSUED FINAL	N.Z	E.R	S.G	
CD-FE	05	18.08.2023	RE-ISSUED FOR COMMENT	N.Z	E.R	S.G	
CD-FE	04	18.07.2023	RE-ISSUED FINAL	N.Z	E.R	S.G	
CD-FE	03	05.05.2023	RE-ISSUED FOR COMMENT	N.Z	E.R	S.G	
Validity	Rev.	Date	Description	Prepared	Checked	Approved	Approved
Status	Number						Eni UK
Revision Index							
Company logo and business name							
Facility and Sub Facility Name		Project Name		Scale		Sheet of Sheets	
HAMILTON GENERAL		LBA CCS Transport and Storage		NA @A1		2 / 2	
Document Title				Supersedes N.			
				Plant Area		Plant Unit	
				NA		NA	

OFFSHORE POWER CABLE
APPROACH DRAWINGS