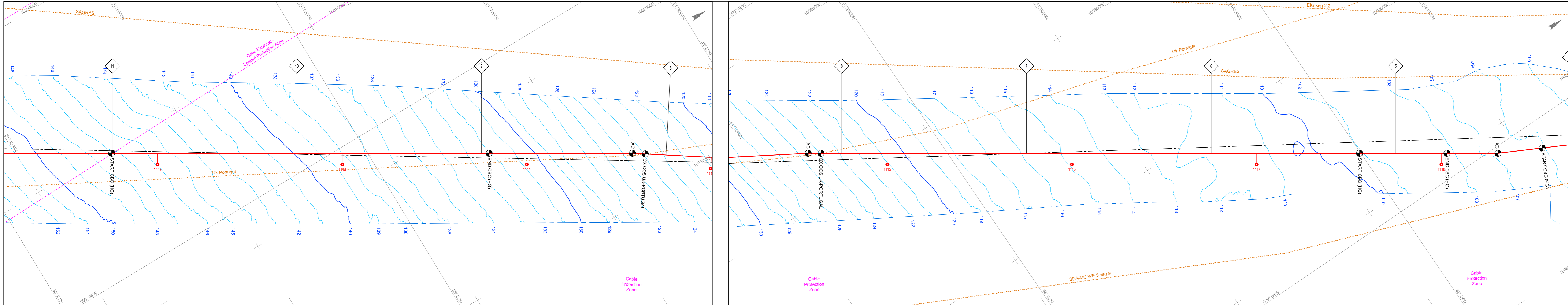
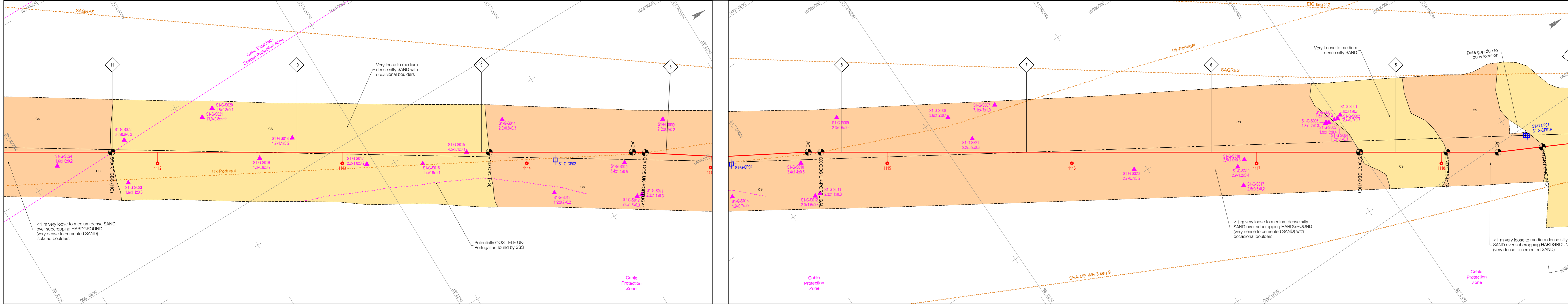


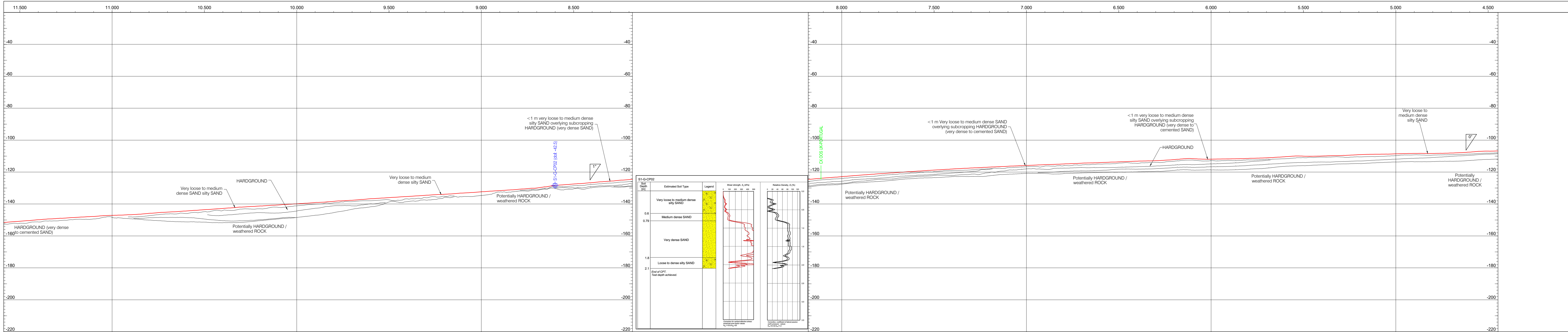
BATHYMETRY PANEL



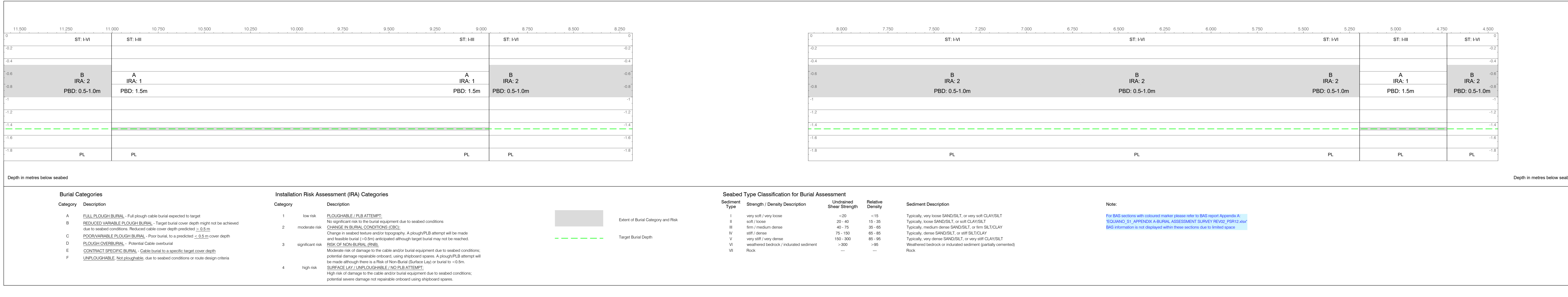
SEABED FEATURE PANEL



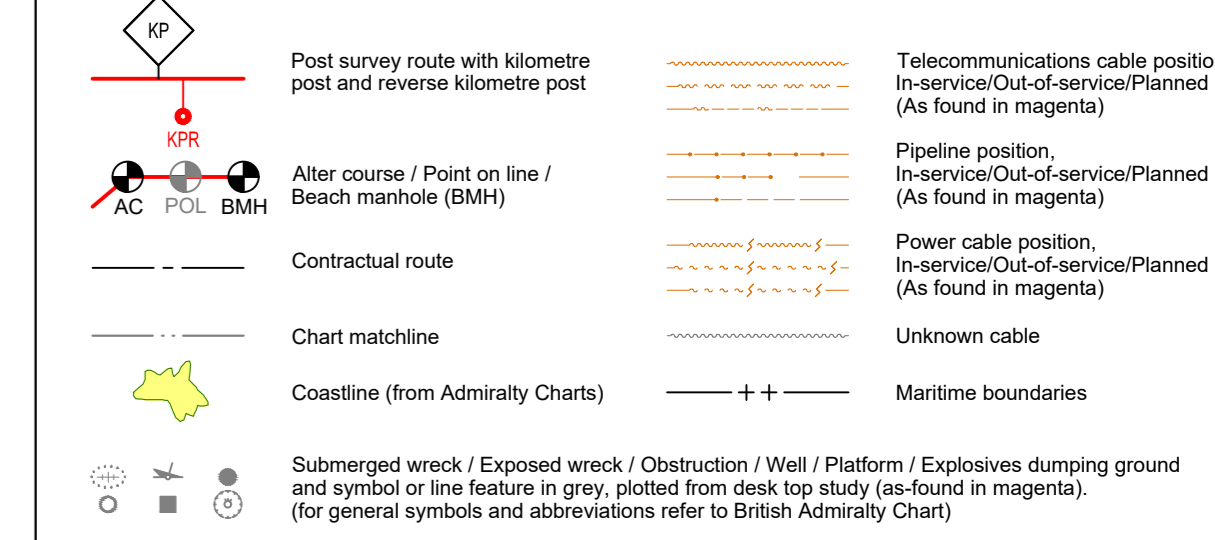
SEABED PROFILE AND GEOLOGICAL INFORMATION PANEL



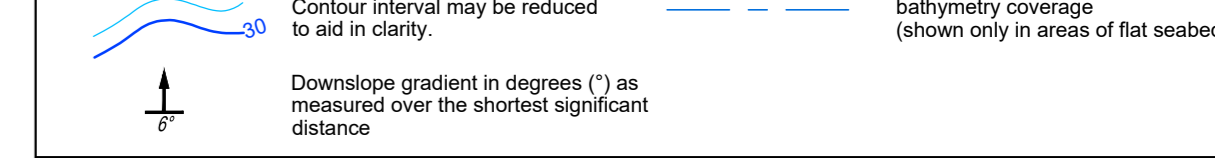
ROUTE ENGINEERING - BURIAL ASSESSMENT



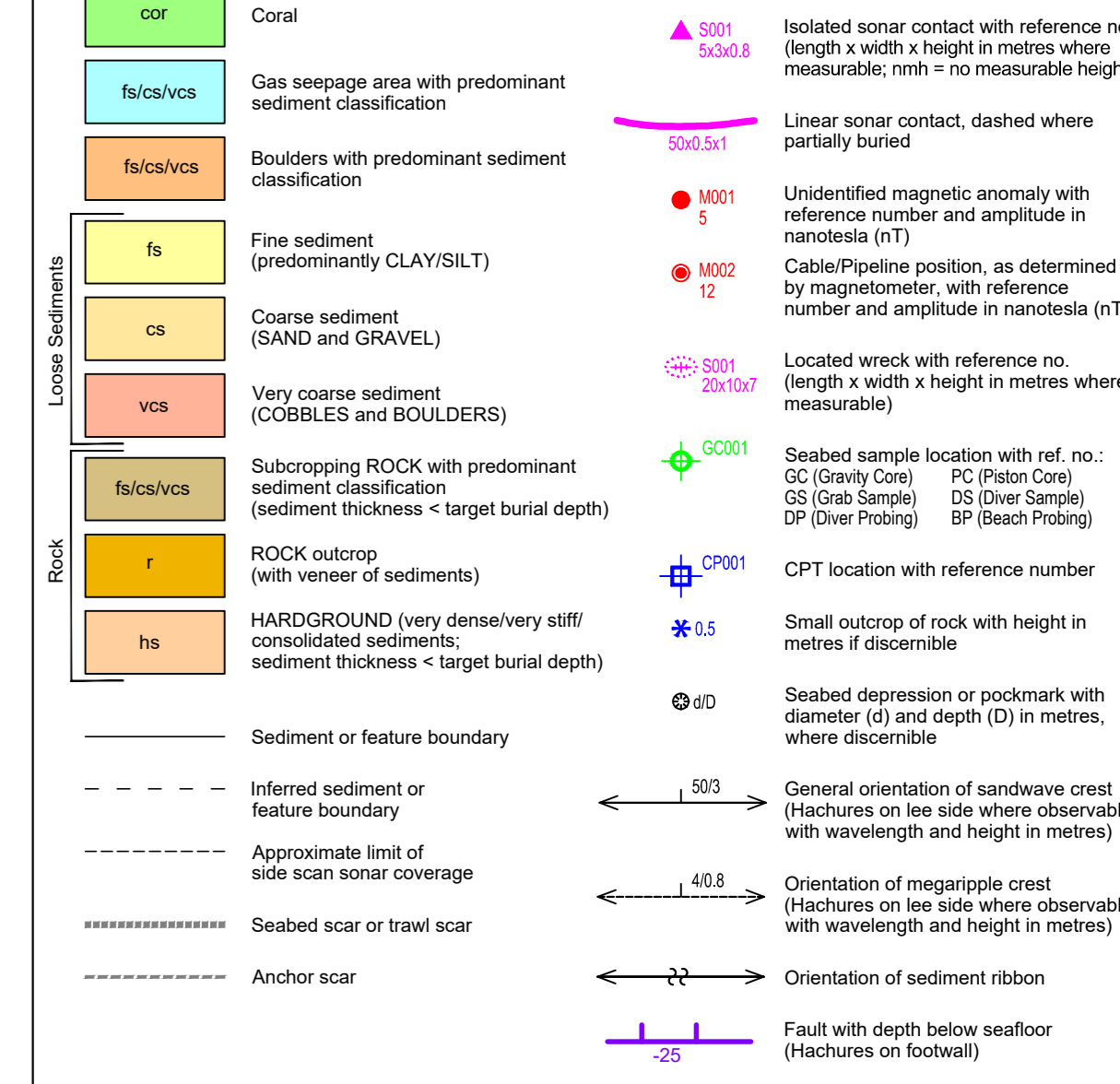
CARTOGRAPHIC SYMBOLS



BATHYMETRY



SEABED FEATURES AND SHALLOW GEOLOGY



SHALLOW GEOLOGY PROFILE



CHART COMMENTS:

Cable and Pipeline Crossing
 UK-PORTUGAL (UK-Portugal) (P) (Database), KP: 8.113, water depth: 124 m, crossing angle: 11°

Hazard/Remarks:
 In northern charted area, sediments comprise very loose to medium dense SAND overlying suborganic HARDGROUND. In the central area, the route crosses seabed comprising very loose to medium dense SAND overlying suborganic HARDGROUND (very dense to cemented SAND) in the south-west suborganic HARDGROUND (very dense to cemented SAND) is present beneath the SAND. Slope angles are very gentle throughout the charted area.

GENERAL NOTES:

Survey Vessel: MV Fugro Gauss
 Navigation Systems: Seapath 3300
 Underwater Pos. Systems: Kongsberg HP-Pap 351
 Motion Sensor: Kongsberg 330+ incl. MRU 5+
 Bathymetry: Kongsberg EM 122 EM 712
 Seabed Feature / SBP: EdgeTech 4200 / Knudsen 3200
 Magnetometer: G-802 AR4

Descriptive Terms and Definitions:
 The criteria used for interpretation and descriptions are presented in the Survey Report.

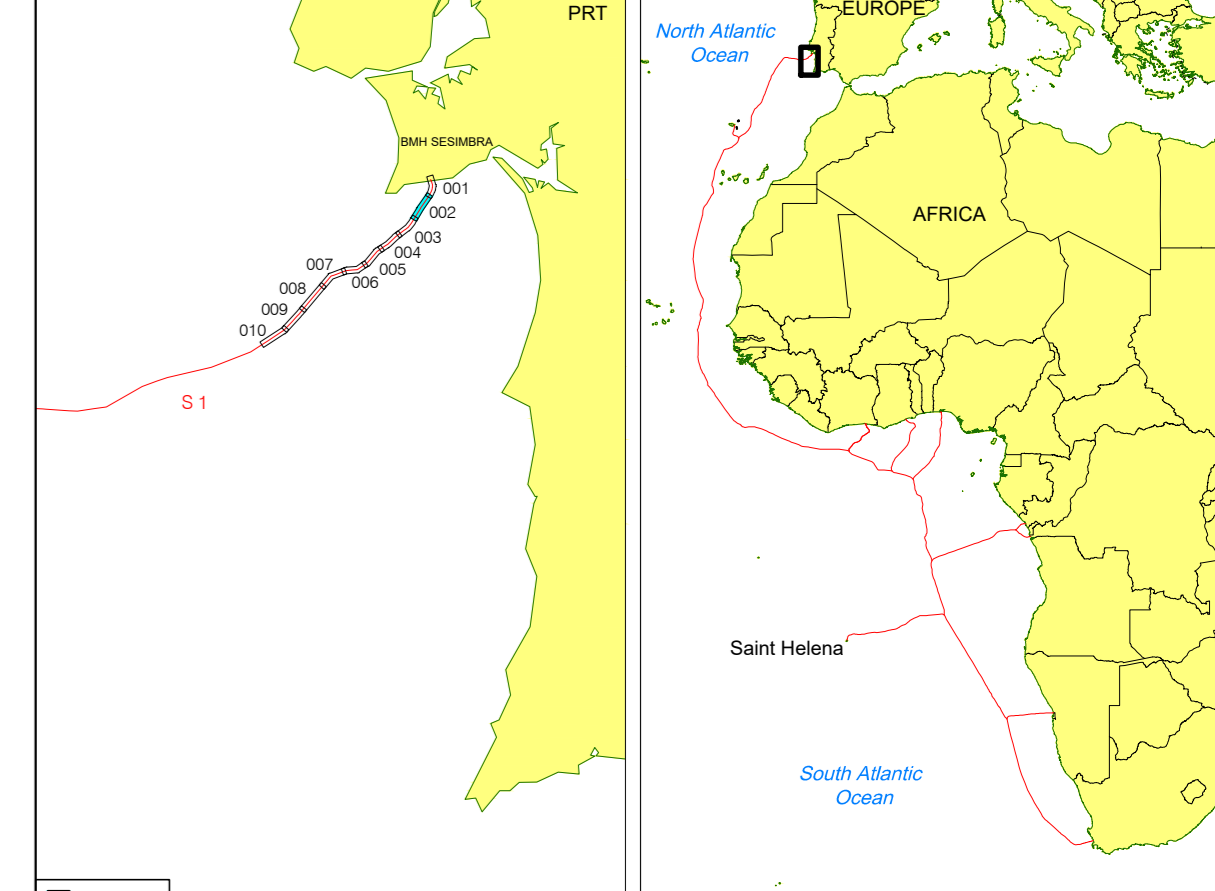
Bathymetry & Tide:
 Depths in metres, reduced to Lowest Astronomical Tide (LAT).

GEODEMIC PARAMETERS:

Projection: Mercator
 Datum: WGS84
 Semi-Major Axis: 6 378 137 000 m
 Inverse Flattening (1/f): 298 257 223 863 (Up to SRD 14x08 257 224)

Longitude of Origin: 25° W
 Standard Parallel: 25° N
 False Easting: 0 m
 False Northing: 1 000 000 m
 Scale Factor: 1

CHART LAYOUT PLAN



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Survey Date: December 2019

Scale: NATURAL SCALE 1 : 10 000 AT 25° N
 Scale 8655 461383 at mid-latitude of chart

Contractor: ALCATEL SUBMARINE NETWORKS

Surveyor: Fugro Germany Marine GmbH

Project Name: EQUIANO Cable Route Survey

Document Title: SEGMENT 1 BMH Sesimbra to BU MAD

ALIGNMENT CHART NO. 002 OF 010 (KP 4.011 to KP 11.588)

Revision 2

2.0 06.03.2020 RML/IE KS BW 1
 1.0 07.02.2020 RML/IE KS BW
 0.0 20.12.2019 AB OV RY

Raw Date Prepared by Checked by Approved by
 ROUTE EQUIANO ST. BARR/SSESIMBRA TO
 BASED UPON BU MAD, PRR12, 16-JAN-20 19

File Name: EQUI_01_AS-002_10k