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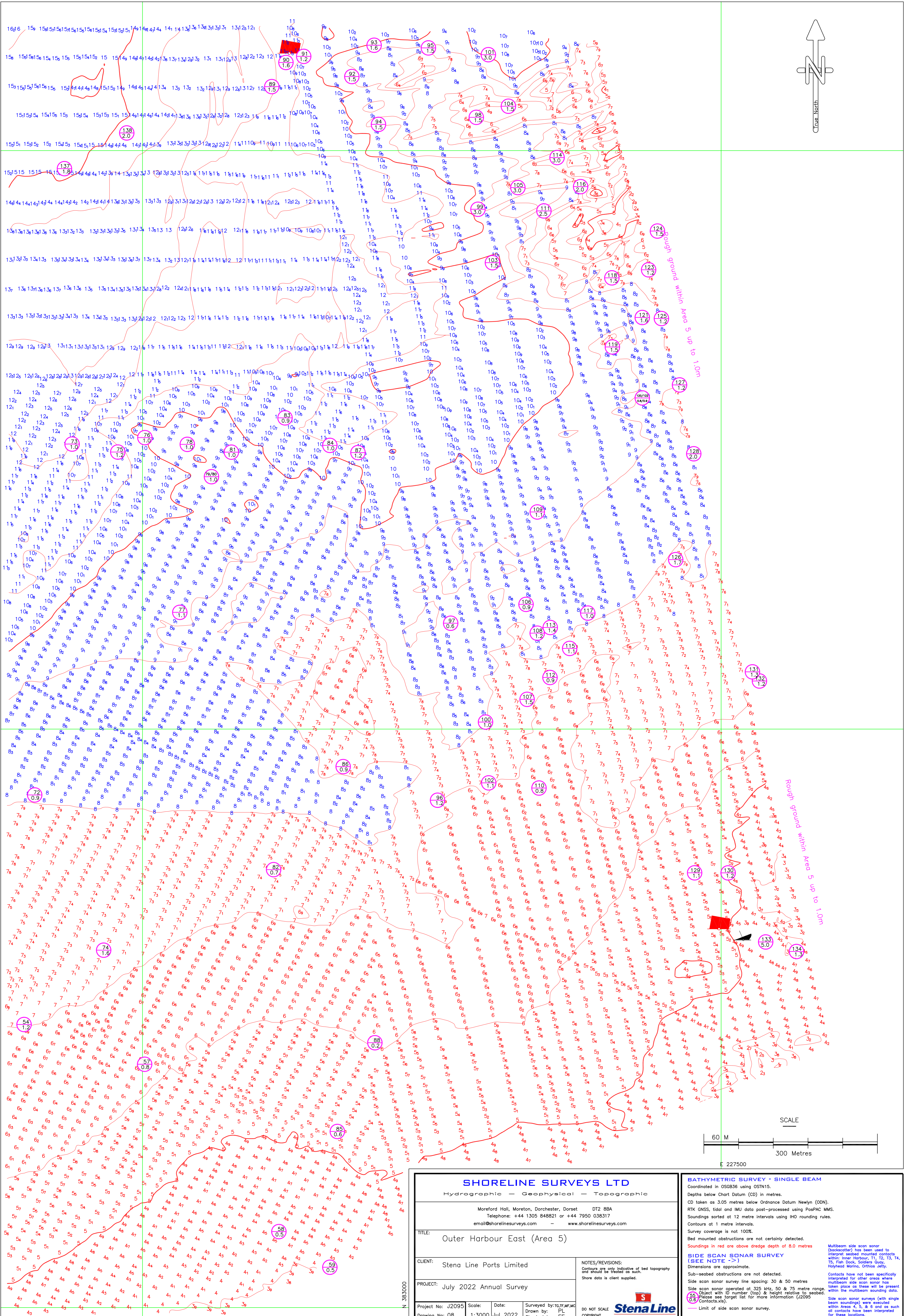
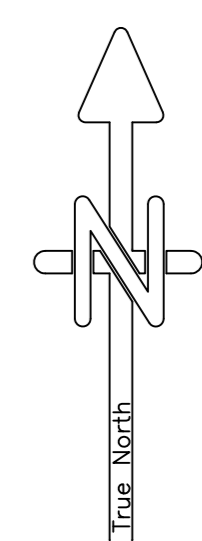
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**SHORELINE SURVEYS LTD**  
Hydrographic - Geophysical - Topographic

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**TITLE:** Outer Harbour East (Area 5)

**CLIENT:** Stena Line Ports Limited

**PROJECT:** July 2022 Annual Survey

Project No: J2095 Scale: 1:3000 Date: Jul 2022  
Drawing No: 08 Surveyed by: T.P.M./M.C. Drawn by: PL Checked by: EF

NOTES/REVISIONS:  
Contours are only indicative of bed topography and should be treated as such.  
Shore data is client supplied.

DO NOT SCALE  
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**BATHYMETRIC SURVEY - SINGLE BEAM**  
Coordinated in OSG836 using OSTN15.  
Depths below Chart Datum (CD) in metres.  
CD taken as 3.05 metres below Ordnance Datum Newlyn (ODN).  
RTK GNSS, tidal and MU data post-processed using PostPAC MMS.  
Soundings sorted at 12 metre intervals using IHO rounding rules.  
Contours at 1 metre intervals.  
Survey coverage is not 100%.  
Bed mounted obstructions are not certainly detected.  
Soundings in red are above dredge depth of 8.0 metres

**SIDE SCAN SONAR SURVEY (SEE NOTE >)**  
Dimensions are approximate.  
Sub-seabed obstructions are not detected.  
Side scan sonar survey line spacing: 30 & 50 metres  
Side scan sonar operated at 325 kHz, 50 & 75 metre range.  
Object with ID number (top) & height relative to seabed.  
Please see target list for more information (J2095 Contacts.xls).

Limit of side scan sonar survey.

Multibeam side scan sonar (backscatter) has been used to interpret seabed mounted contacts within Inner Harbour, T1, T2, T3, T4, T5, Fish Dock, Soliders Quay, Holyhead Marina, Orthon Jetty.  
Contacts have not been specifically interpreted for other areas where multibeam side scan sonar has taken place as these will be present within the multibeam sounding data.  
Side scan sonar surveys (with single beam soundings) were executed within Areas 4, 5 & 6 and as such all contacts have been interpreted for these locations.