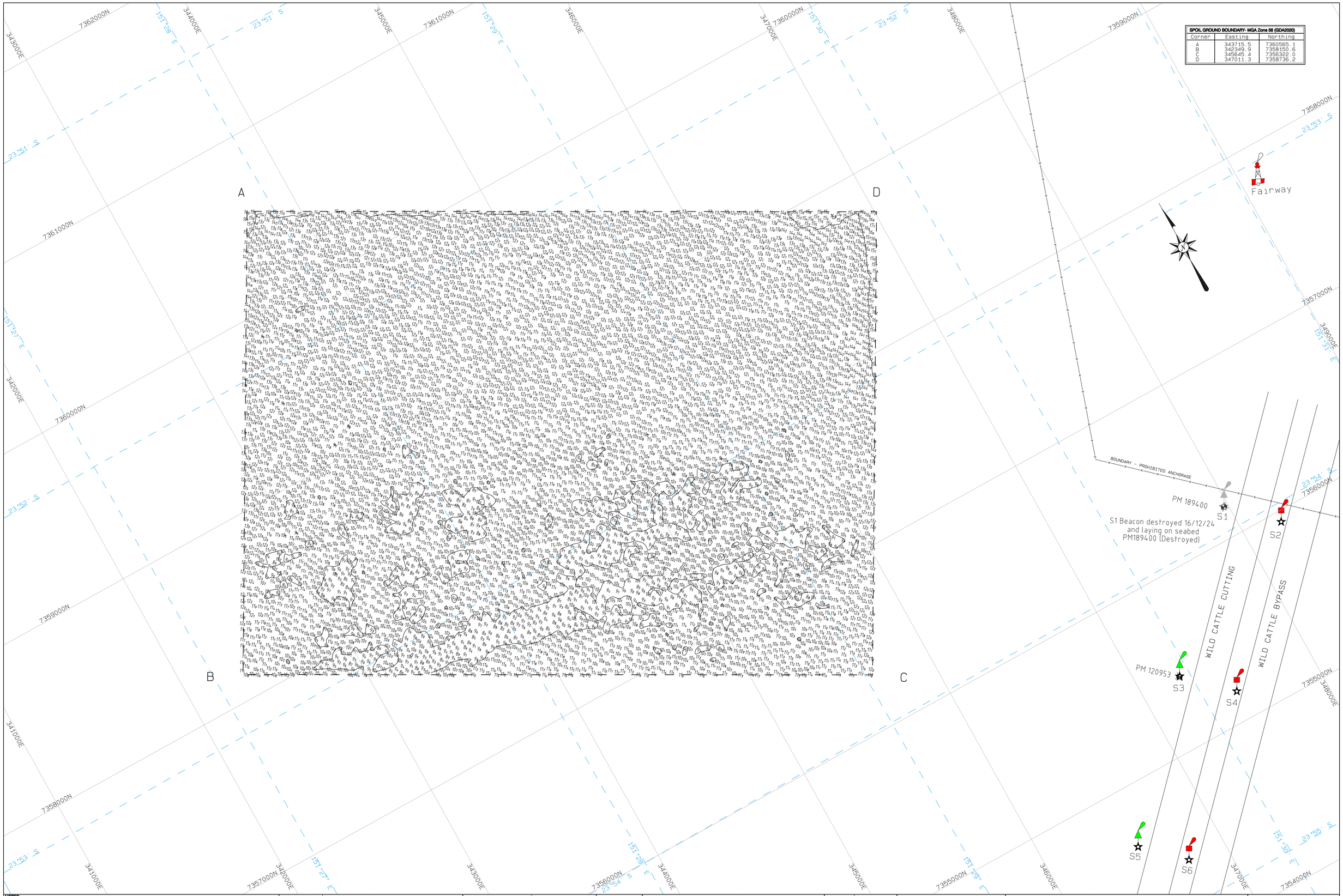
SPOIL GROUND BOUNDARY- MGA Zone 56 (GDA2020)		
Corner	Easting	Northing
A	343715.5	7360565.1
B	342349.9	7358150.6
C	345645.4	7356322.0
D	347011.3	7358736.2



NOTES:

1) This survey meets the mandatory class requirements as outlined in the MSQ document "Standards for Hydrographic Surveys within Queensland Waters v1.3"
2) Contours are computer generated to Hydrographic Standard (inclusive) using Caris BASE Editor v6.1.15
3) For Tidal Notes and Survey Control refer to plan F500-070
4) For Navigation Aids refer to plan F500-075. For Sheet Layout refer to plan F500-074.
5) Coastline digitised from aerial photography is approximate only
6) Multibeam data collected using Kongsberg GSI v kmall file format
7) Soundings were derived from HIPS & SIPS v11.4.35 0.5m cube surface and thinned to a 35m radius using Base Editor v6.1.15. Surface name: GL020121_Spoil_Area_1m_Cube_20241.Csar
8) Spoil ground boundary was supplied by Gladstone Ports Corporation on 20/12/2024.
9) Refer to plan F500-070 for LAT separation model used for SPS tide reduction in CARIS HIPS & SIPS version 11.4.35.
10) Spoil ground boundary was supplied by Gladstone Ports Corporation (VODI UV plan 36.3144-14-DWG-344)

Horizontal Datum	MGA Zone 56 (GDA2020)	**Vessel**	QG Norfolk	**SOUNDINGS (m)**	
Base Station	HxGN SmartNet Corrections - Single Base (MSM_GATC) CRK-GatcombeHead	**Echo Sounder**	Kongsberg EM2040C Dual Head 320kHz	2_5 below datum	
Vertical Datum	LAT based on SEE NOTES	**Heavemeter**	Applanix PosMV v5 FW 11.05 SW 11.21	0_7 above datum	
Tide Notes	Soundings reduced to datum using RTK-GNSS observations and MSQ LAT ellipsoid separation model. See Notes For tidal datum information please contact MSQ tidal unit (tides@msq.gov.au)	**Horizontal Positioning**	Applanix PosMV v5 FW 11.05 SW 11.21 HxGN SmartNet Corrections	**LEVELS (m)**	
		Data Collection/Processing	HIPS & SIPS v11.4.35 / Base Editor v6.1.15 / Terrasolo v10.6	5_{99} above datum	
Depth Tolerance	0.2m **Horizontal Tolerance** 1.5m **Weather** 5 - 10 kts SE	**Tidal Reference Station**	TS052027A/TS052003B	x_{13} below datum	

SCALE 1 : 10000 at A1

0 100 500 1000

CLASS C *See Notes

CLIENT Gladstone Ports Corporation

Signature	Toby Reise	Digitally signed by Toby Reise Date: 2025.01.30 11:58:26 +10'00'
Hydrographic Surveyor		
Surveyor	M Karimi R Ghazanfari	
Checked	T Reise	

Digitally signed by Owen Cantrill Date: 2025.01.30 12:10:51 +10'00'

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GLADSTONE
EAST BANKS SPOIL GROUND
POST-DREDGE HYDROGRAPHIC SURVEY
20 DECEMBER 2024

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Job No. GL020121
Plan No. **F501-313**