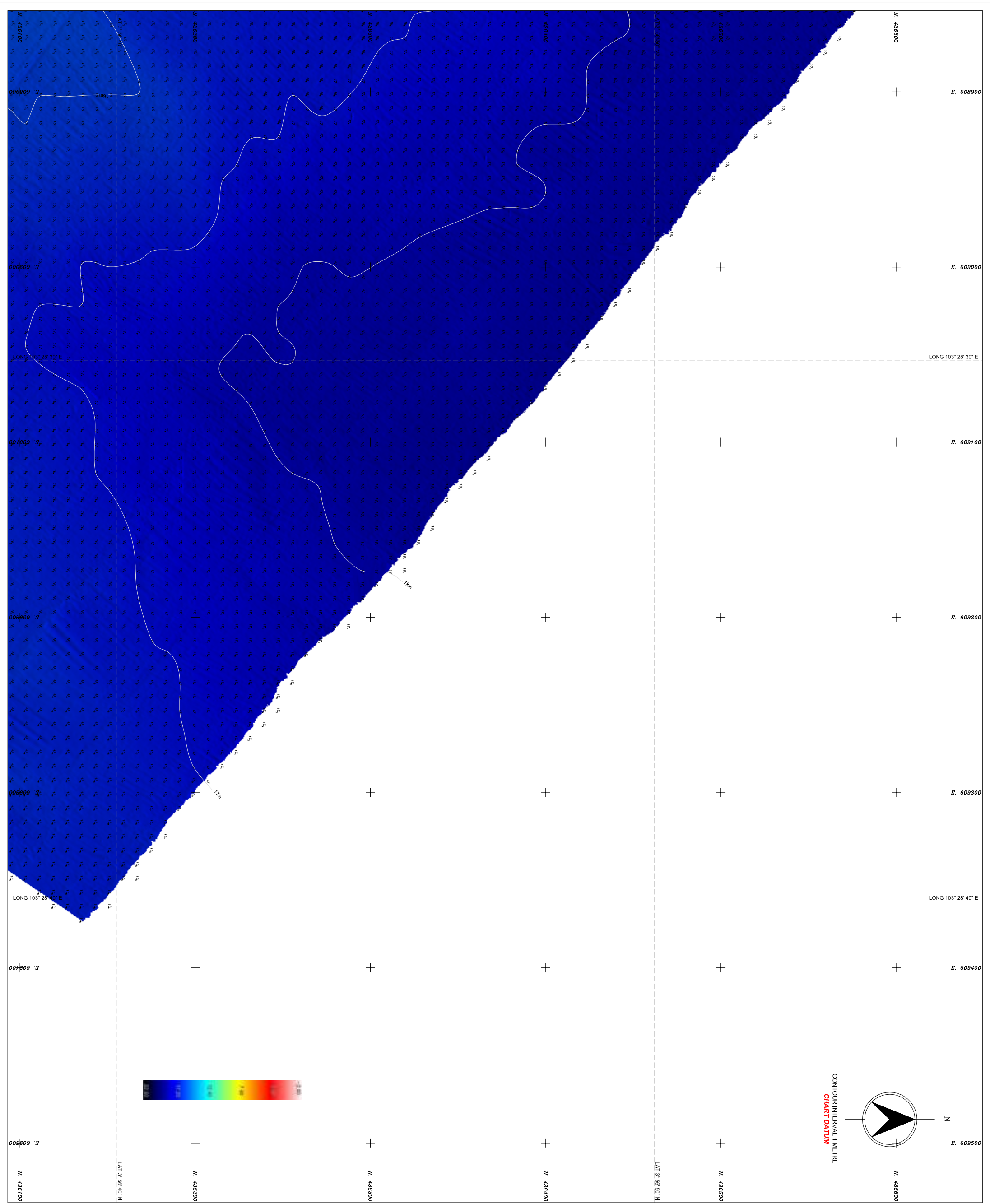


CONTOUR INTERVAL: 1METRE
CHART DATUM

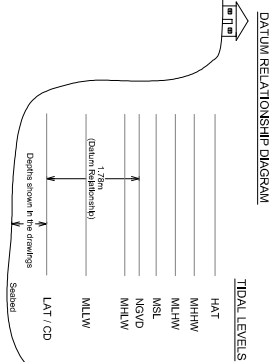
- LEGEND / NOTES :
- All measurements are in metres.
 - Coordinates is in MGSO .
 - All levels are based on Bench Mark No. BM C0331 (RL : 3.844m NGVD) (AL : 3.000m CD).
 - Chart Datum at Tanjung Gelang is 1.76m Below Mean Higher High Water (MHHW).
 - Chart Datum (CD) is derived from 3 proven boundary marks at Lot 27099 (PA 125126).
 - Depth denotes metres above Chart Datum (CD).
 - 7, 8, 9, 10 Depth denotes metres below Chart Datum (CD).

NOTES :

TIDAL LEVELS AT TAJUKS GELANG
(Assisted from Royal Malaysian Navy, The Table 2016)

NGVD (m)	LAT/CD (m)
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Highest Astronomical Tide (HAT)	: 2.06	3.84
Mean Higher High Water (MHHW)	: 1.56	3.34
Mean Lower High Water (MLHW)	: 0.50	2.28
Mean Sea Level (MSL)	: 0.14	1.92
Land Survey Datum (MSD)	: 0.00	1.78
Mean Higher Low Water (MHLW)	: -0.21	1.57
Mean Lower Low Water (MLLW)	: -1.28	0.50
Lowest Astronomical Tide (LAT) @ Chart Datum (CD)	: -1.78	0.00



GEOGETIC INFORMATION :

Geologic Data : Malaysian Revised Everest Spheroid
Semi Major Axis : 6 377 304.063 metres
Semi Minor Axis : 6 356 103.039 metres
Eccentricity Squared : 0.006 637 846 6302
Reciprocal Flattening (1/f) : 300.8017
Origin of Meridian of Reference : Putrajaya State Capital
Projection : G. Spherum
Longitude of Reference : E 102° 26' 10.724 E
Latitude of Origin : N 03° 42' 39.50 N
False Easting : 0 m
False Northing : 0 m

CLIENT :

Muhibbah Engineering (M) Bhd

Lot 586 & 579 - 2nd Mile
Jalan Bera, Teluk Larut
41300 Kuala
Selangor Darul Ehsan

Tel: (603) 3342 4323 Fax: (603) 3342 4327

PROJECT TITLE :
**MUHIBBAH KUANTAN
MARITIME HUB**

DRAWING TITLE :
**HYDROGRAPHIC AND
TOPOGRAPHIC SURVEY
- CHART DATUM -**

Surveyed By : Ahmad Ridzuan Amir
Sketcher : Anwar Hisham Bahari
Amir & Co. Sdn Bhd

Date Of Survey : 29th June - 30th July 2016

Drawn By : Mastura

Checked By : Sharfize / Haidi

Approved By : S. Lee Chenk Hock

SCALE : 1 : 1000



Surveyor's Drawing No : JPWS/16/PHG/53006 46

Drawing Date : 22nd August 2016

Client's Drawing No : Sheet No : Rev :

REVISION	DATE	REPORT NO :	918/2016
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Chartered & Licensed Land Surveyors :
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