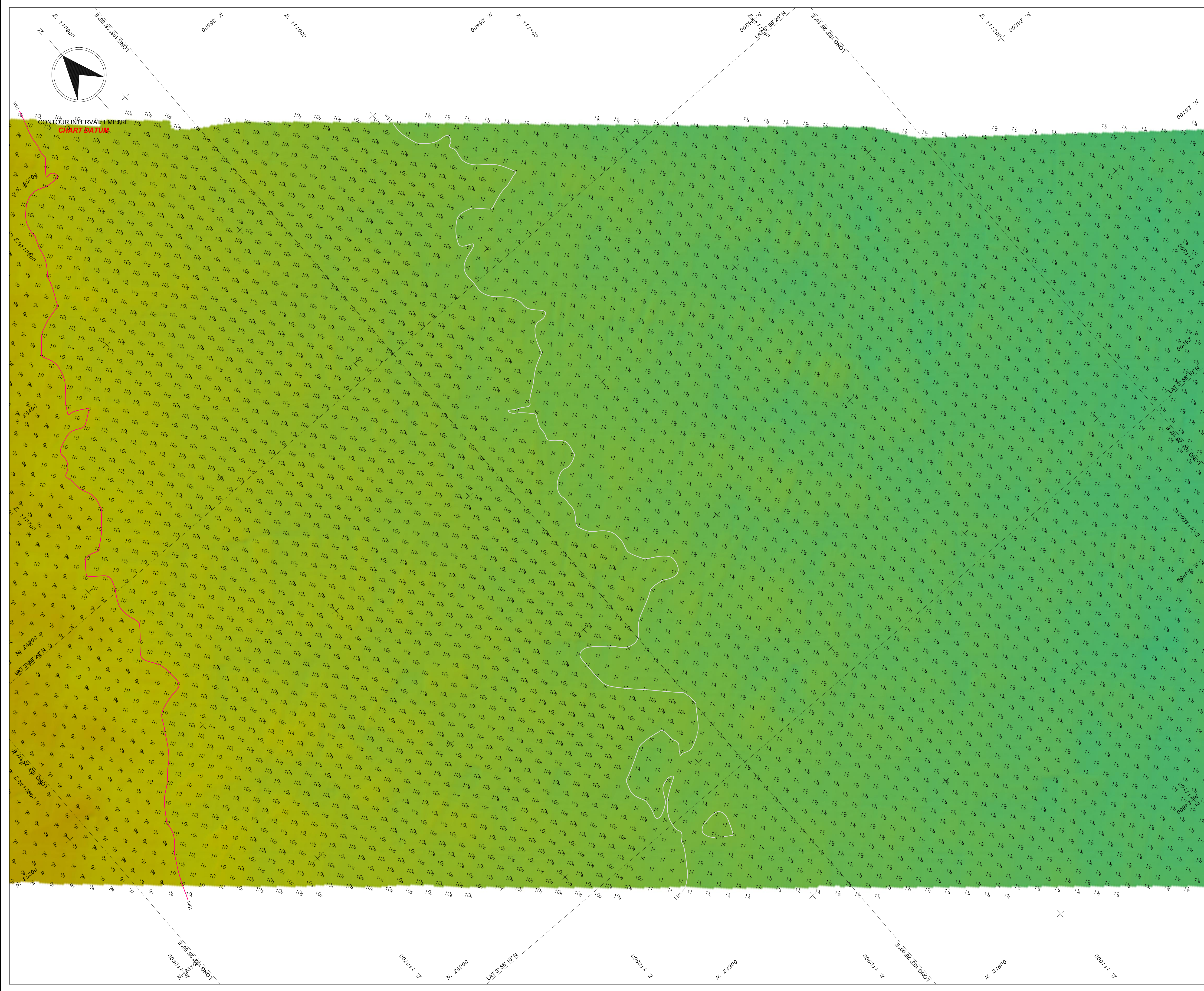
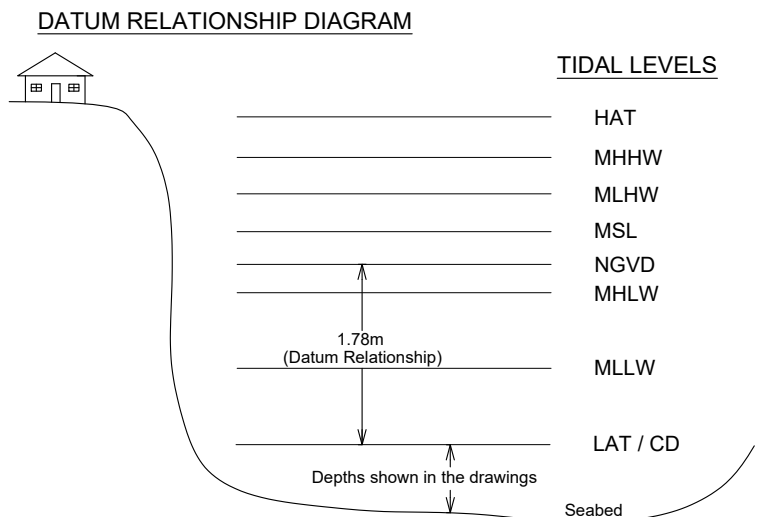




- LEGEND / NOTES :
1. All measurements are in metres.
 2. Coordinates is in Pahang State Cassini System.
 3. All levels are based on Bench Mark No. BM C0331 (RL : 3.844m NGVD) (RL : 5.620m CD).
 4. Chart Datum at Tanjung Gelang is 1.78m Below Land Survey Datum (NGVD).
 5. Horizontal Datum was adopted from 3 proven boundary marks at Lot 27099 (PA 126126).
 6. $\frac{1}{10}, \frac{1}{20}, \frac{1}{30}$ Depth denotes metres below Chart Datum (CD).

NOTES :

TIDAL LEVELS AT TANJUNG GELANG (Abstracted from Royal Malaysian Navy Tide Table 2016)		
	NGVD (m)	LAT/CD (m)
Highest Astronomical Tide (HAT)	2.06	3.84
Mean Higher High Water (MHHW)	1.56	3.34
Mean Sea Level (MSL)	0.50	2.28
Mean Sea Level (MSL)	0.14	1.92
Land Survey Datum (NGVD)	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



GEODETTIC INFORMATION :

Geodetic Data

- Spheroid : Malayan Revised Everest
- Semi Major Axis : 6 377 304.63 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

- Projection : Pahang State Cassini
- Origin of Meridian of Reference : G. Sinyum
- Longitude of Origin (CM) : E 102° 26' 10.24 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 Batu Tiga Lama
41300 Klang
Selangor Darul Ehsan
Tel: (603) 3342 4323 Fax: (603) 3342 4327

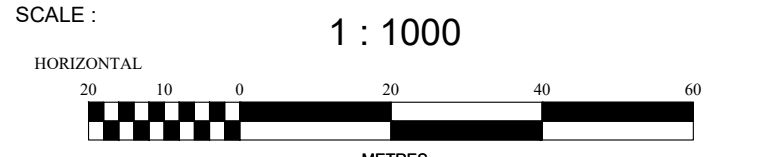
PROJECT TITLE:

MUHIBBAH Kuantan MARITIME HUB

DRAWING TITLE:

**HYDROGRAPHIC SURVEY (MULTIBEAM)
- CHART DATUM -**

Surveyed By: Shafizie & Nursamsi	Date Of Survey: 29th - 30th September 2016
Plotted By: Mastura	Drawn By: Mastura
Checked By: Shafizie / Hairul	Approved By: Sr. Nik Afinde Bin Nik Yaakub



Surveyor's Drawing No : JPWS/16/PHG/533/009/2	Drawing Date : 12th Oct 2016
Client's Drawing No :	Sheet No : Rev :

REVISION	DATE	REPORT NO :
		925/2016

Chartered & Licensed Land Surveyors :


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