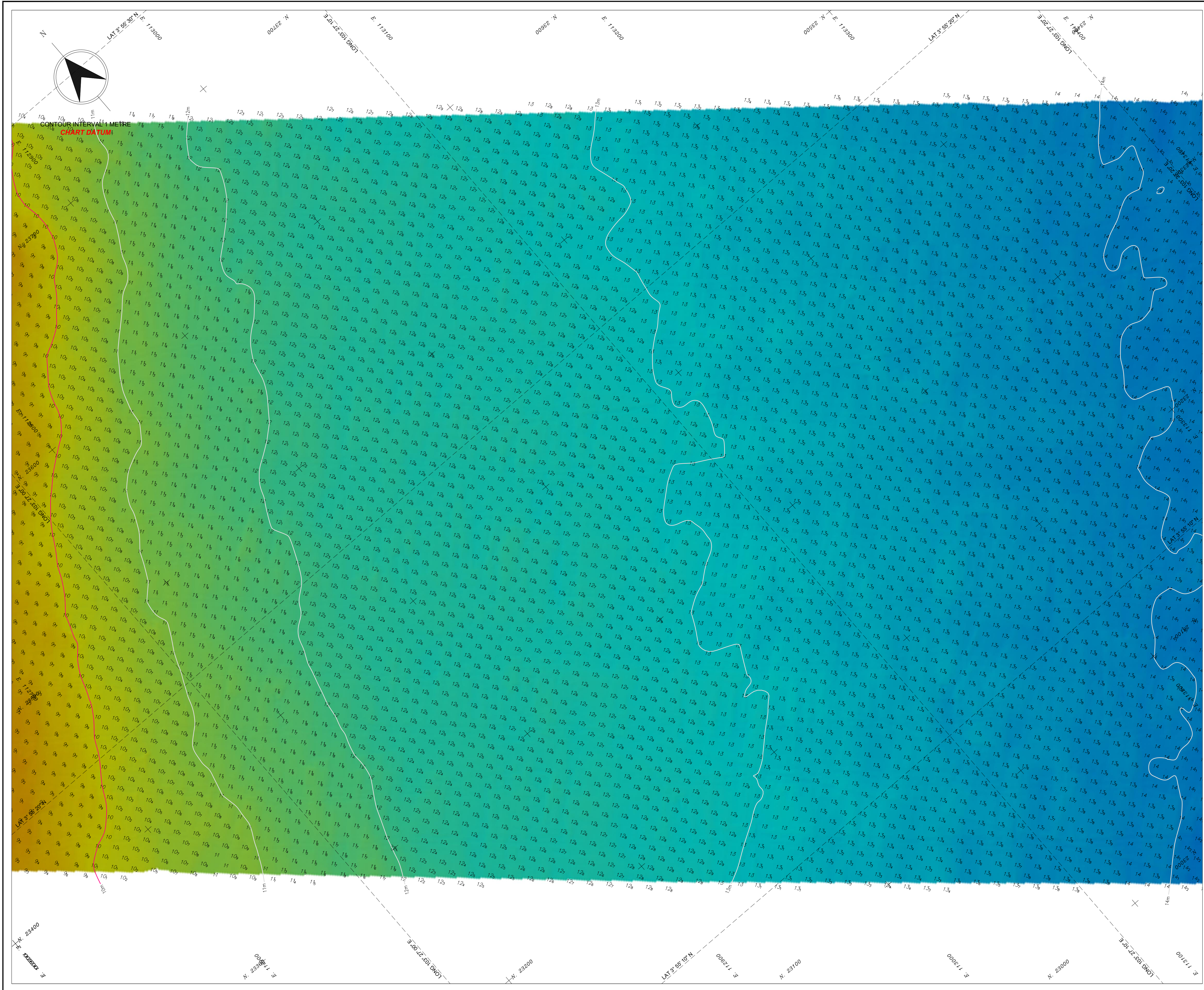


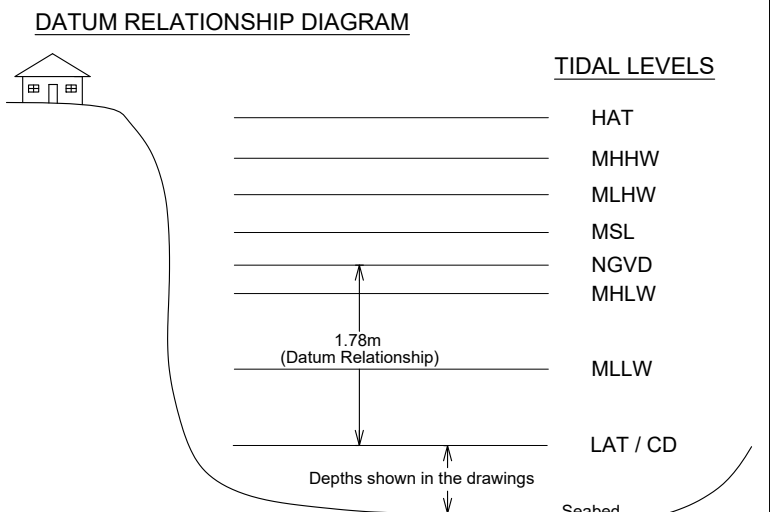


- LEGEND / NOTES :
1. All measurements are in metres.
 2. Coordinates is in Pahang State Cassini System.
 3. All levels are based on Bench Mark No. BM C0331 (RL : 3.844m NGVD) (RL : 5.620m CD).
 4. Chart Datum at Tanjung Gelang is 1.78m Below Land Survey Datum (NGVD).
 5. Horizontal Datum was adopted from 3 proven boundary marks at Lot 27099 (PA 126126).
 6. 1/5, 1/10, 1/15 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 Lower High Water (MLHW)	: 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



GEODETIC INFORMATION :

Geodetic Data

Spheroid : Malayan Revised Everest
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

Projection : Pahang State Cassini
Origin of Meridian of Reference : G. Sinyum
Longitude of Origin (GM) : 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
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

SCALE : 1 : 1000

HORIZONTAL

Surveyor's Drawing No : JPWS/16/PHG/533/009/6	Drawing Date : 12th Oct 2016
Client's Drawing No :	Sheet No : Rev :

REVISION	DATE	REPORT NO :
		925/2016

Chartered & Licensed Land Surveyors :


JURUKUR PERUNDING SERVICES SDN. BHD. (37933-V)
7, JALAN INDUSTRI PPP 3
TAMAN INDUSTRI PUSAT BANDAR PUCHONG
47100 PUCHONG, SELANGOR DARUL EHSAN
TEL : (603) 5623 3228 FAX : (603) 8062 2999
e-mail : surveys@jpsurveys.com