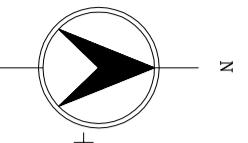


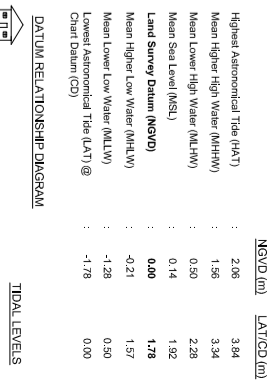
CONTOUR INTERVAL: 1 METRE
CHART DATUM



- LEGEND / NOTES :**
- All measurements are in metres.
 - Coordinates is in MRSO.
 - All levels are based on Bench Mark No. BM 0031 (RL: 3.84m NGVD) (RL: 5.652m CD).
 - Chart Datum at Tanjung Gelang is 1.76m Below Mean High Water (MHW).
 - Chart Datum (CD) is 3.09m Below Mean High Water (MHW).
 - Depth services meters above Chart Datum (CD) at Lat 2'09" P, 125'25" E.
 - Depth services meters below Chart Datum (CD).

TIDAL LEVELS AT TAKING SOUNDS
(Established from Royal Malaysian Navy Tide Table 2016)

NSVD (m)	LAT/CD (m)
Highest Astronomical Tide (HAT)	3.84
Mean Higher High Water (MHHW)	3.34
Mean Lower High Water (MLHW)	2.28
Mean Sea Level (MSL)	1.92
Land Survey Datum (MSLD)	0.00
Mean Higher Low Water (MHLW)	1.57
Mean Lower Low Water (MLLW)	-1.28
Lowest Astronomical Tide (LAT) @ Chart Datum (CD)	-1.76
Chart Datum (CD)	0.00



TIDAL LEVELS

DA	MHHW	MLHW	MSL	MSLD	MHLW	MLLW
2.08	1.56	0.50	0.14	0.00	-0.21	-1.28
3.84	3.34	2.28	1.92	0.00	1.57	0.50
-1.76	-1.28	-0.21	0.00	0.00	-1.28	-1.76

GEODETTIC INFORMATION :

Geoidetic Data

- Spheroid : Malayan Revised Everest
- Semi Major Axis : 6 377 304.063 metres
- Semi Minor Axis : 6 356 103.039 metres
- Eccentricity Squared : 0.006 837 846 6302
- Reciprocal Flattening (1/f) : 300.8017

Origin of Meridian of Reference

- Projection : Pseudo Cylindrical Cassini
- Origin of Meridian : G. Singapore
- Longitude of Origin (GM) : E 102° 28' 10.124 E
- Latitude of Origin : N 05° 42' 39.50 N
- Falses Easting : 0 m
- Falses Northing : 0 m

CLIENT :

Muhibbah Engineering (M) Bhd
Lot 586 & 579, 2nd Mile
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41300 Klang
Selangor Darul Ehsan

Tel: (603) 3342 4233 Fax: (603) 3342 4227

PROJECT TITLE :

**MUHIBBAH KUANTAN
MARITIME HUB**

DRAWING TITLE :

**HYDROGRAPHIC AND
TOPOGRAPHIC SURVEY
- CHART DATUM -**

Checked By: Mastura
Approved By: S. Lee Cheuk Hock

Checked By: Sharfzle / Hairul

SCALE : 1 : 1000

Horizontal Scale: 1cm = 10m

Vertical Scale: 1cm = 1m

Chartered & Licensed Land Surveyors :

**JURUKUR PERUNDING
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