

LEGEND:

GENERAL

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TOE LINE OF CHANNEL

BATHYMETRY

- Section E-F Berth Pocket Maintained Level: 16.20m (Without Tolerance)
- Section E-F Maintained Level: 14.40m (Without Tolerance)
- SWB Lagoon area Maintained Level: 10.70m (Without Tolerance)
- SWB (100x100) Berth Maintained Level: 9.20m (Without Tolerance)

PROJECTION

- WATER DEPTH IN METRES & DECIMITRES BELOW CHART DATUM
- BATHYMETRY CONTOUR

- NOTES:**
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'NE QUEEN'
 - POSITION FIXING WAS CONTROLLED FROM SEPIENTRION ASTERIX POSITIONING SYSTEM
 - KONGSBERG EMBOARC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
 - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JAWA LANDING BRK & SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - BENCH MARK AT JAWA LANDING JETTY (BOLLARD) IS 7.375 ABOVE CHART DATUM. BRK + 6.70m, SUNK ROCK + 5.270m.
 - MOTION SENSOR OCTANS WAS USED TO COMPENSATE SEA SWELL.
 - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
 - ALL JOINT POST SURVEYS WERE JOINTLY CARRIED OUT BETWEEN - JAWA, ITR, DCI & BDPL.
 - ALL PLOTTED DATA IN 10x10 m GRID SIZE.

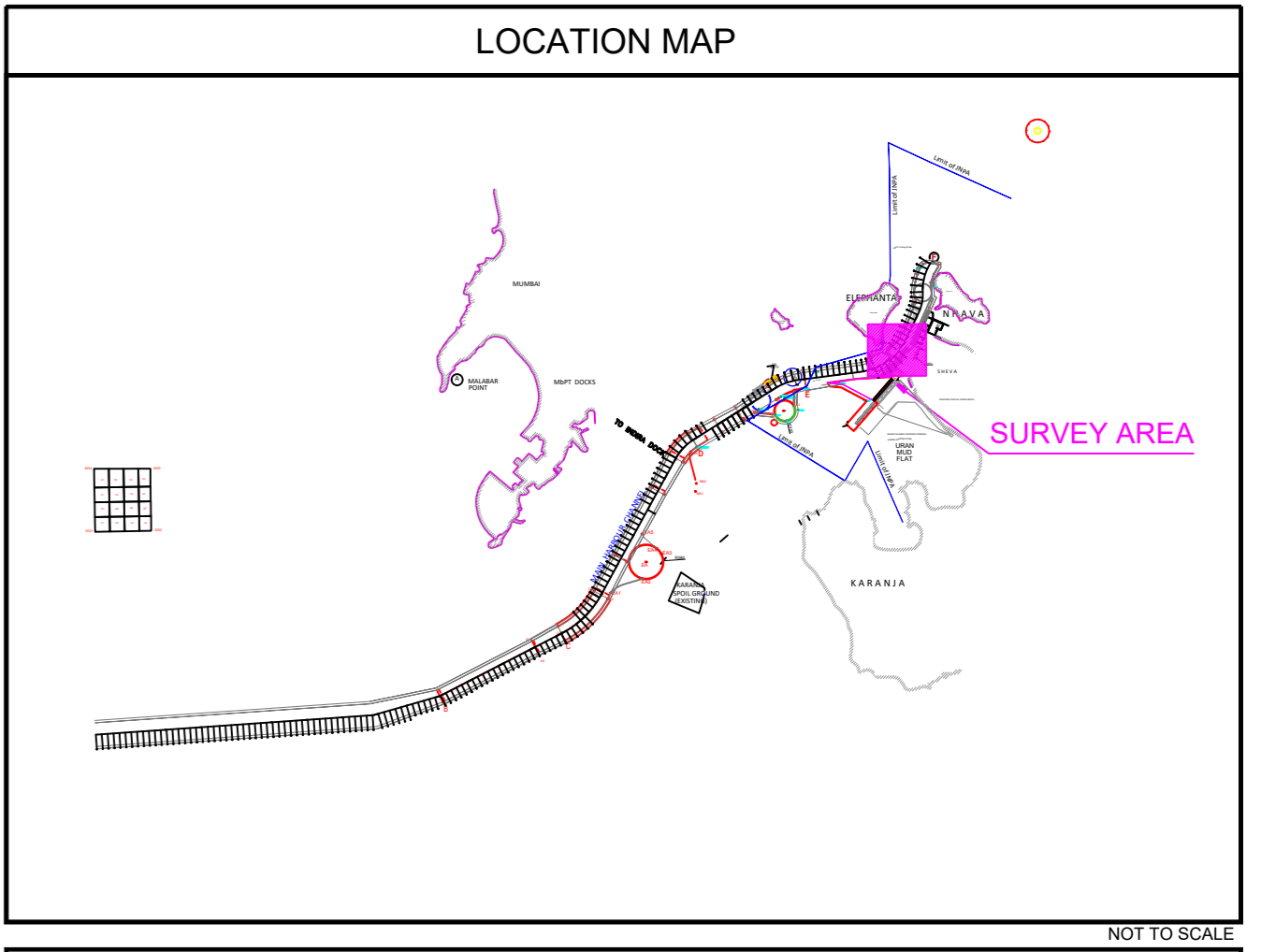
GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM:	WGS84
GEOCENTRIC DATUM:	WGS84
Semi major axis:	6378137.000 m
Semi minor axis:	6356752.314 m
Inverse flattening:	298.2572236
PROJECTION:	Universal Transverse Mercator
Central Meridian (CM):	75° E (Zone 43)
Latitude of Origin:	0°00'00.000"
Fake Northing:	0 m
Scale factor at CM:	0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

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PROJECT

JOINT POST SURVEY MULTI-BEAM BATHYMETRY SURVEYS IN NAVIGATIONAL AREA OF JN PORT NAVI MUMBAI & MUMBAI PORT CHANNEL WEST COAST OF INDIA
FY 2021-22
BATHYMETRY CHART (SECTION E-F LAGOON)
CHANNAGE 31.200 - 33.200

SCALE

HORIZONTAL SCALE 1 : 2000

Version: MC QUEEN **Survey Date:** 2nd April-May 2022 **Authorised Signatory:**

Rev. No.	Date	Description	Drawn	Checked	Approved	WSP	Manager
0	12-05-2022	Issued For Approval					

Drawing No: 5945-SUR-PO-111-E-F-SWB Chart: Enc: P: Size: Ab