

LEGEND:

GENERAL

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

Section B-C Maintained level: 15.40m (Without Tolerance)
Section A-B Maintained level: 15.60m (Without Tolerance)

BATHYMETRY

- WATER DEPTH METRES & DECIMETRES BELOW CHART DATUM
- BATHYMETRY CONTOUR

- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
 - 2) POSITION FIXING WAS CONTROLLED FROM DIFFERENT ASTERIX POSITIONING SYSTEM
 - 3) KONGSBERG EM6040 MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBS SURVEY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANAP LANDING JETTY, BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - 5) BENCH MARK AT ANAP LANDING JETTY BOLLARDS IS 375 m ABOVE CHART DATUM. BPX = 6.70m, Sunk Rock = 5.780m
 - 6) MOTION SENSOR ON TANKS WAS USED TO COMPENSATE SEA SWELL
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING
 - 8) ALL JETTY POST SURVEYS WERE JOINTLY CARRIED OUT BETWEEN -JNPA, ITM, CD & ISDP.
 - 9) ALL PLOTTED DATA IN 10x10 m GRID SIZE.

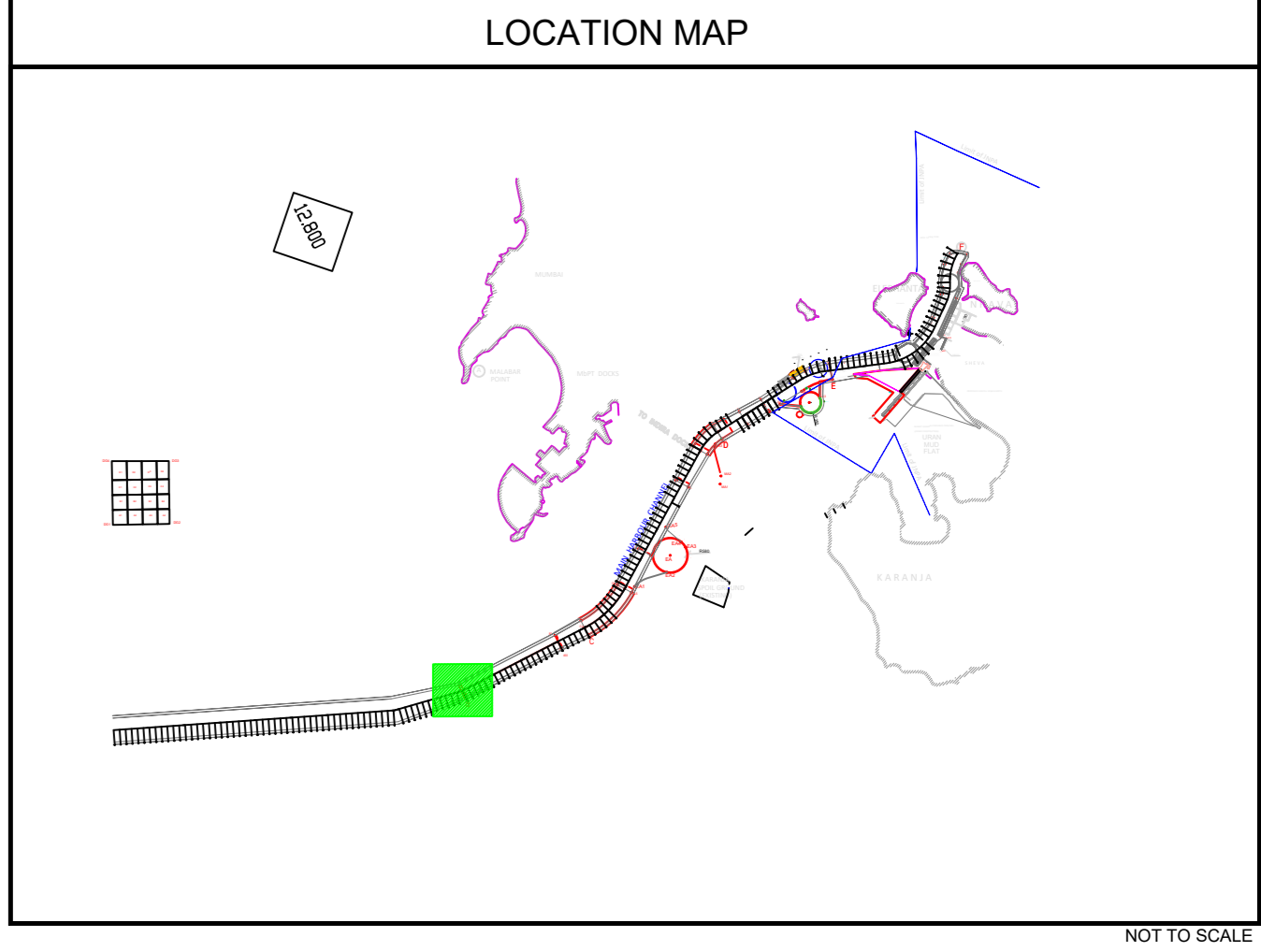
GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM : WGS84
 GEODEIC DATUM : WGS84
 ELLIPSOID : GRS1975 2000 m
 Semi minor axis : 6369722.14 m
 Inverse flattening : 298.2572236
 Universal Transverse Mercator
 Central Meridian (CM) : 75° E (Zone 43)
 Latitude of Origin : 0°
 False Easting : 500000 m
 False Northing : 0
 Scale factor at CM : 0.99990

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

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CLIENT

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CONSULTANT

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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
FYI 2021-22**

BATHYMETRY CHART (SECTION B-C & A-B)
CHARGE: 10.800 - 12.600

SCALE

HORIZONTAL SCALE 1 : 2000

Vertical Scale 1 : 2000

Vessel	ME QUEEN	Survey Date	28th Apr & 7th, 8th, 10th & 11th May 2022	Authorized Signatory	
Rev. No.	0	Date	12-05-2022	Description	Issued For Approval
Drawing No.	5945-SUB-PO-126-8C	Chart	End	Manager I	AD