

LEGEND:

GENERAL

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- LINE OF CHANNEL
- Section C-D Maintained level : 14.60m (+15 cm Tolerance)
- Section B-C Maintained level : 15.40m (+15 cm Tolerance)

BATHYMETRY

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

- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
 - 3) KONGBERG EMASING MULTIBeam CHIRP SONAR WAS DEPLOYED TO CARRY OUT ABEIS SURVEY.
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING, JETTY, BRK AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCH MARK AT JNPA LANDING, JETTY (BOLLARD) IS 7.375m ABOVE CHART DATUM. BRK = 6.70m, Sunk Rock = 5.78m.
 - 6) MOTION SENSOR OBTAINERS WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
 - 8) ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN -JNPA, MTPCW (JTM), DCI & ISDP.
 - 9) ALL PLOTTED DATA IN 10m x 10m GRID SIZE.

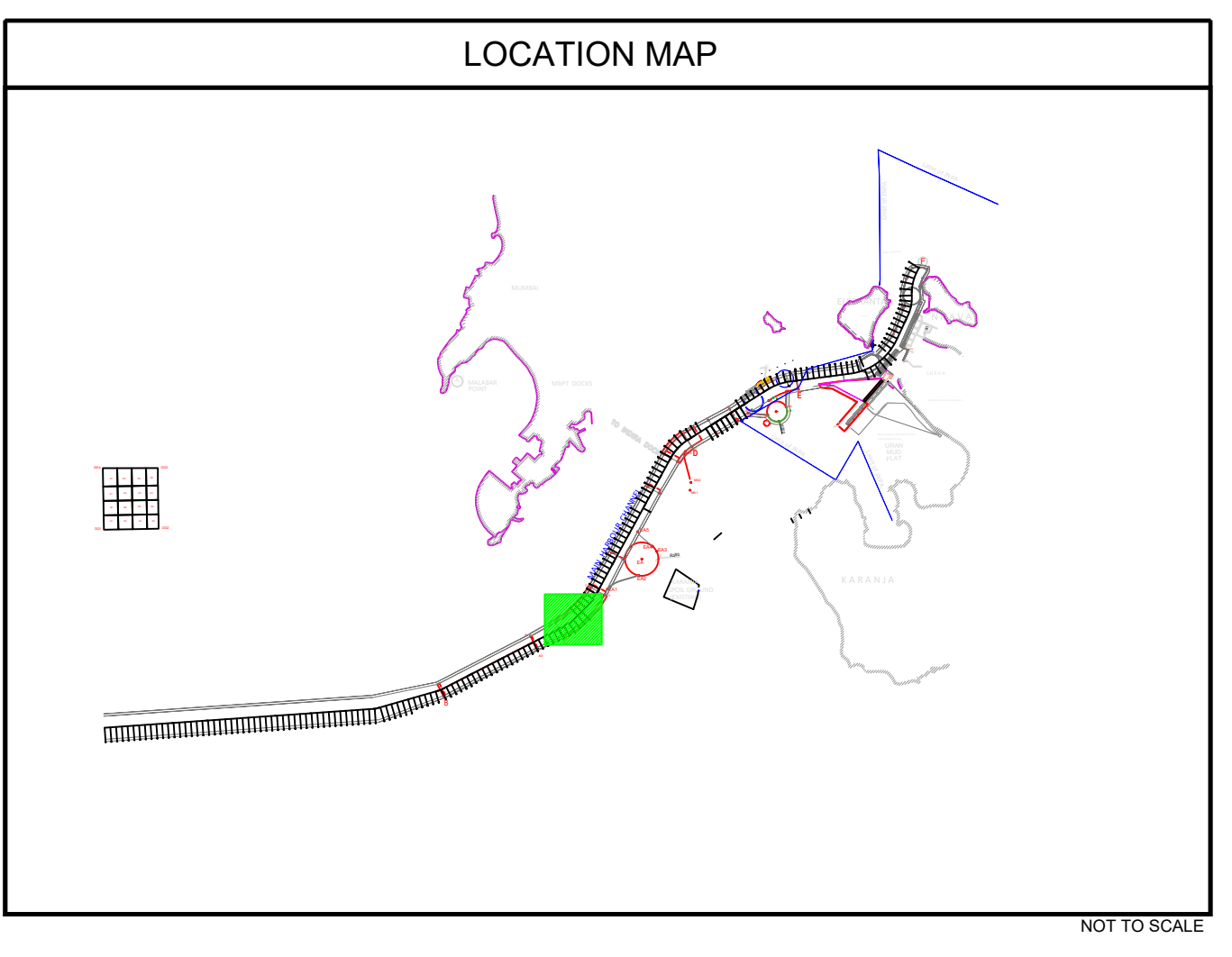
GEODETIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODETIC DATUM	ELLIPSOID
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse flattening	298.2572225
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 43)
Latitude of Origin	0°
Fals Easting	500000 m
Fals 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 - MAR 2023
 MULTI-BEAM BATHYMETRY SURVEYS
 IN NAVIGATION AREA OF JN PORT
 NAVI MUMBAI & MUMBAI PORT CHANNEL
 WEST COAST OF INDIA
 FY 2022-23
 BATHYMETRY CHART (SECTION C-D)
 CHAINAGE 16.400 - 17.800**

SCALE

HORIZONTAL SCALE 1 : 2000

Version: ME QUEEN | **Survey Date:** 17th & 20th Mar 2023 | **Authorised Signatory:**

Rev. No.	Date	Description	Author	Checked	Approved	Scale	Chart	End	P Size
0	03-04-2023	Issued For Approval							A0