

LEGEND:

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

Section B-C Maintained level: 15.00m (+15 cm Tolerance)

BATHYMETRY

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

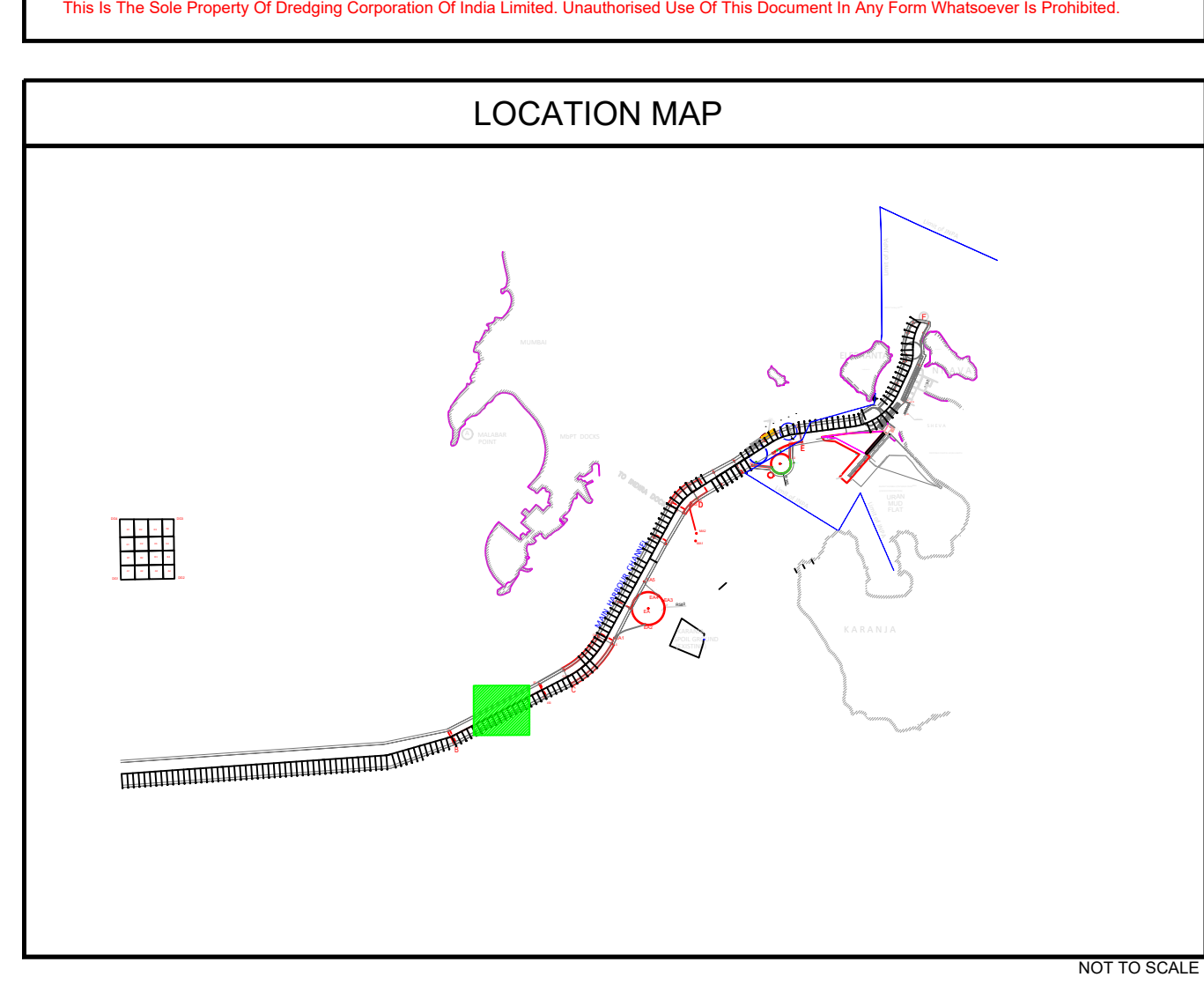
- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTOR ANTERIX POSITIONING SYSTEM
 - 3) HONSBERG ENDURIC MULTIBEAM ECHOSOUNDER WAS EMPLOYED TO CARRY OUT MESS SURVEY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JAPA LANDING JETTY, BPX AND SUNRISE ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - 5) BENCH MARK AT JAPA LANDING JETTY (BOLLARD) IS 2.735 m ABOVE CHART DATUM. BPL = 6.70m, Bank Rock = 5.280m
 - 6) MOTION SENSOR SYSTEM 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 - JAPA, NTPWC (ITM, DTD) & ISPL
 - 9) ALL PLOTTED DATA 10m x 10m GRID SIZE

GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	: WGS84
VERTICAL DATUM	: WSS84
ELLIPSOID	: WGS84
Semi major axis	: 6378137.000 m
Semi minor axis	: 6356752.314 m
Inverse flattening	: 298.2572226
PROJECTION	: Universal Transverse Mercator
Central Meridian (CM)	: 75° E (Zone 43)
Latitude of Origin	: 0°
False Easting	: 0
False Northing	: 0
Scale factor at CM	: 0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description



CLIENT

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PROJECT

**JOINT SURVEY - MAR 2023
 MULTI-BEAM BATHYMETRY SURVEYS
 IN NAVIGATIONAL AREA OF JN PORT
 NAVI MUMBAI & MUMBAI PORT CHANNEL
 WEST COAST OF INDIA
 FY 2022-23**

**BATHYMETRY CHART (SECTION B-C)
 CHANAGE 12-200 - 14-600**

SCALE

HORIZONTAL SCALE 1 : 2000

Issued: ME QUEEN **Survey Date: 18th and 19th Mar 2023** **Authorized Signatory:**

Rev. No.	Date	Description
0	03-04-2023	Issued For Approval

Drawing No: 5940EX-SUR-PO-129-BC

Chart: End: P:50