

LEGEND:

GENERAL

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

Section C-C Maintained level: 14.60m (Without Tolerance)
Section B-C Maintained level: 15.40m (Without Tolerance)

BATHYMETRY

- WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

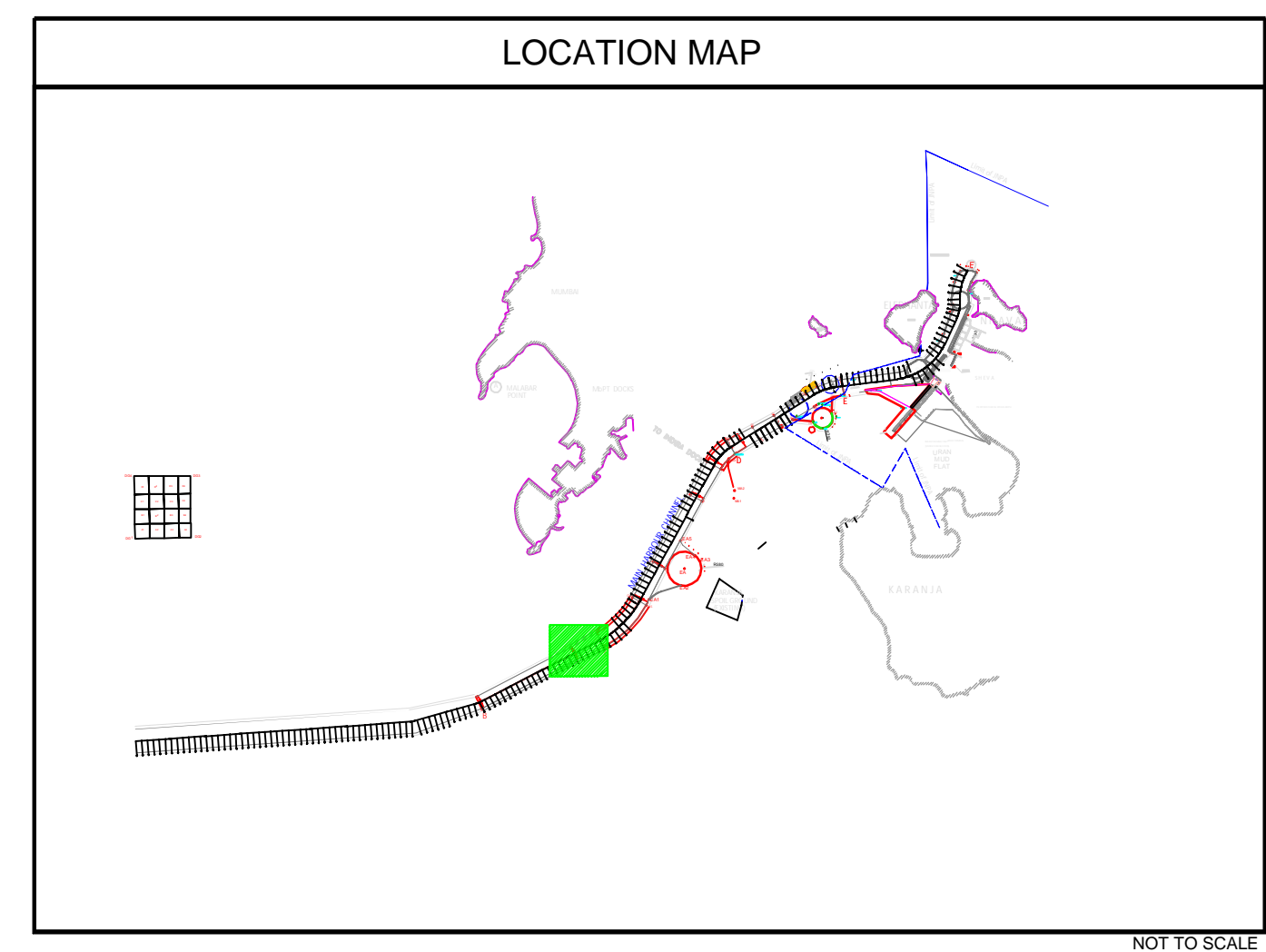
- NOTES:**
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'MS QUEEN'
 - POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM.
 - KONIGSBERG EMODAC MULTIBeam ECHOSOUNDER WAS DEPLOYED TO CARRY OUT SURVEY.
 - ALL DATA FROM STATOAC TIDE GAUGE INSTALLED AT APA LANDING JETT, MBS AND BUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - BENCH MARK AT APA LANDING JETT (BOLLARD) IS 3.776 ABOVE CHART DATUM. BPL = 6.70m, Bunk Rock = 5.783m.
 - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ABOVE CHART DATUM.
 - ALL POST-PRIME SURVEYS ARE JOINTLY CARRIED OUT BETWEEN -JNPA, NITPCW (IITM), DCI & ISDPL.
 - ALL PLOTTED DATA IN 10m X 10m GRID SIZE.

GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM : WGS84
 GEODETTIC DATUM : WGS84
 ELLIPSOID : 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 49)
 Latitude of Origin : 0°
 False Easting : 500000 m
 False Northing : 0 m
 Scale factor at CM : 0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description



CLIENT

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PROJECT

**JOINT POST SURVEY - 2024
 MULTI-BEAM BATHYMETRY SURVEYS
 IN NAVIGATIONAL AREA OF JN PORT
 NAVI MUMBAI & MUMBAI PORT CHANNEL
 WEST COAST OF INDIA
 FY 2023-24
 BATHYMETRY CHART (SECTION B-C)
 CHARGE: 14 600 - 16 400**

SCALE

HORIZONTAL SCALE 1 : 2000

0m 40m 80m 120m 160m 200m

Vessel: MS QUEEN / Survey Date: 19th Mar & 06th Apr 2024 Authorized Signatory

Rev. No.	Date	Description
0	07-04-2024	Issued For Approval

Drawing No: 6148-SUR-PO-097-BC