

LEGEND:

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

Section C-D Maintained level : 14.60m (Without 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 SEPTENTRIO ASTERIX POSITIONING SYSTEM
 - 3) KONGSBERG EMOCH MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANPA LANDING JETTY, BPA AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - 5) BENCH MARK AT ANPA LANDING JETTY (BOLLARD) IS 7.275 ABOVE CHART DATUM. BPA & 6.70m, Sunk Rock = 5.70m
 - 6) MOTION SENSOR OCTANUS WAS USED TO COMPENSATE SEA SWELL
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT - ANPA, ITR, DO & ISPL
 - 8) ALL JOINT SURVEYS WERE JOINTLY CARRIED OUT BETWEEN - INPA, ITR, DO & ISPL
 - 9) ALL PLOTTED DATA IN 10x10 m GRID SIZE

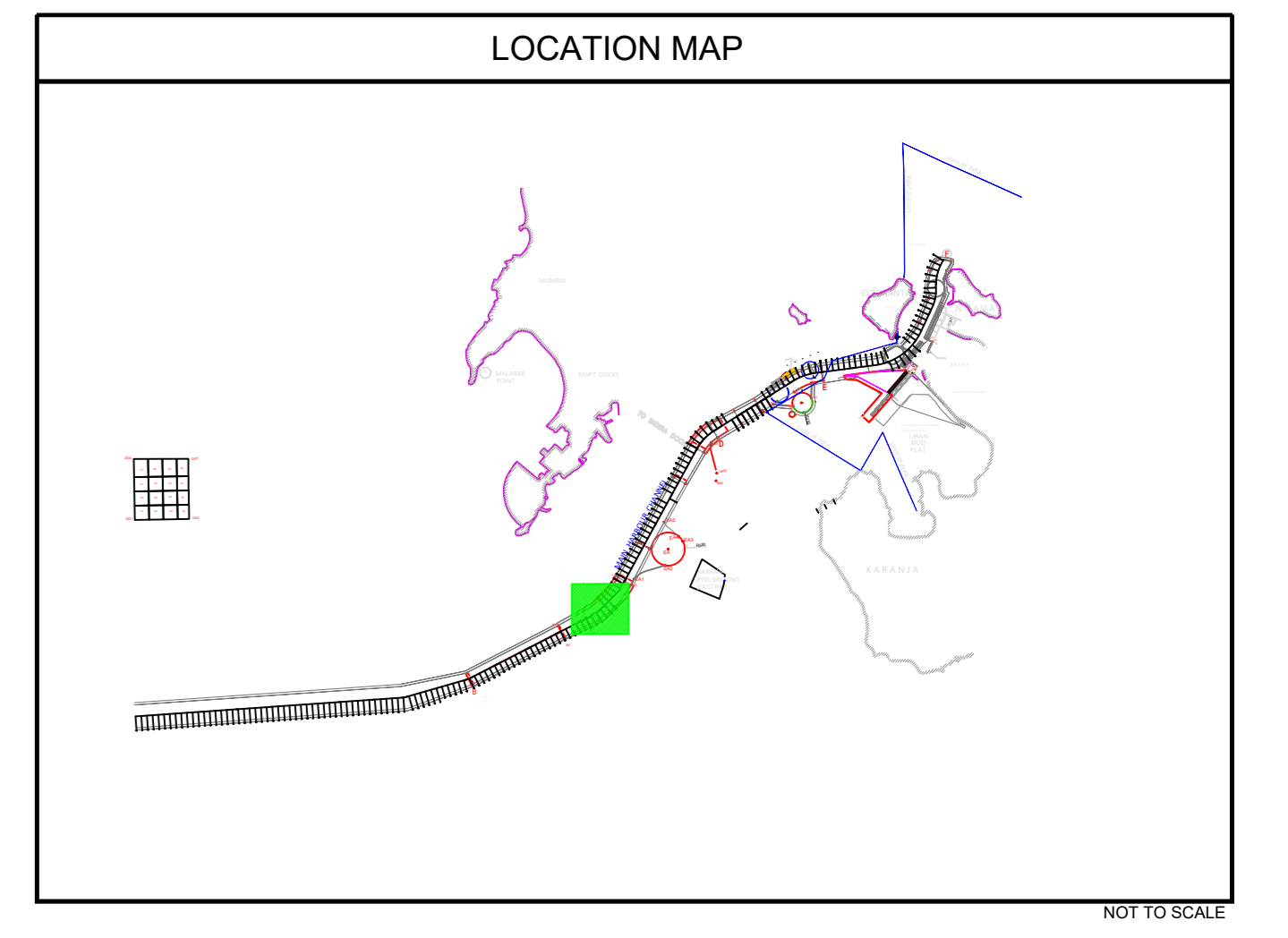
GEODETTIC PARAMETERS

HORIZONTAL DATUM SYSTEM	WGS84
GEODETTIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Flattening	0.0045714302933263
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	0°
Latitude of Origin	0°
Fake Easting	500000 m
Fake Northing	0 m
Scale factor at CM	0.999603

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

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CLIENT

JAWAHARLAL NEHRU PORT AUTHORITY

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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

FY 2021-22
BATHYMETRY CHART (SECTION C-D)
CHANGE: 16.000 - 17.400

SCALE

HORIZONTAL SCALE 1 : 2000

Vessel : ME QUEEN	Survey Date : 08-30th Apr 2022	Authorized Signatory
Rev. No.	Date	Description
0	02-05-2022	Issued For Approval

Drawing No: 5940-SUR-PO-12-CD
