

LEGEND:

GENERAL

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

Section C/D Maintained level: 14,600 (+15 cm Tolerance)
Emergency Anchorage Area Maintained level: 14,600 (+15 cm Tolerance)

BATHYMETRY

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

- NOTES:**
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'M QUEEN'
 - POSITION FIXING WAS CONTROLLED FROM SEPIENTINO GPS POSITIONING SYSTEM
 - KONIGSEBERG EMERSON MULTIBeam ECHOSOUNDER WAS DEPLOYED TO CARRY OUT AREA SURVEY
 - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANPA LANDING JETTY. BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - BENCH MARK AT ANPA LANDING JETTY (BOLLARD) IS 3.735 m ABOVE CHART DATUM. BPX = 6.70m, Sunk Rock = 5.760m
 - MOION SENSOR OCTANUS WAS USED TO COMPENSATE SEA SWELL
 - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING
 - ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN ANPA, NITPCWC (ITM), DCI & ISDP.
 - ALL PLOTTED DATA IN 10m x 10m GRID SIZE

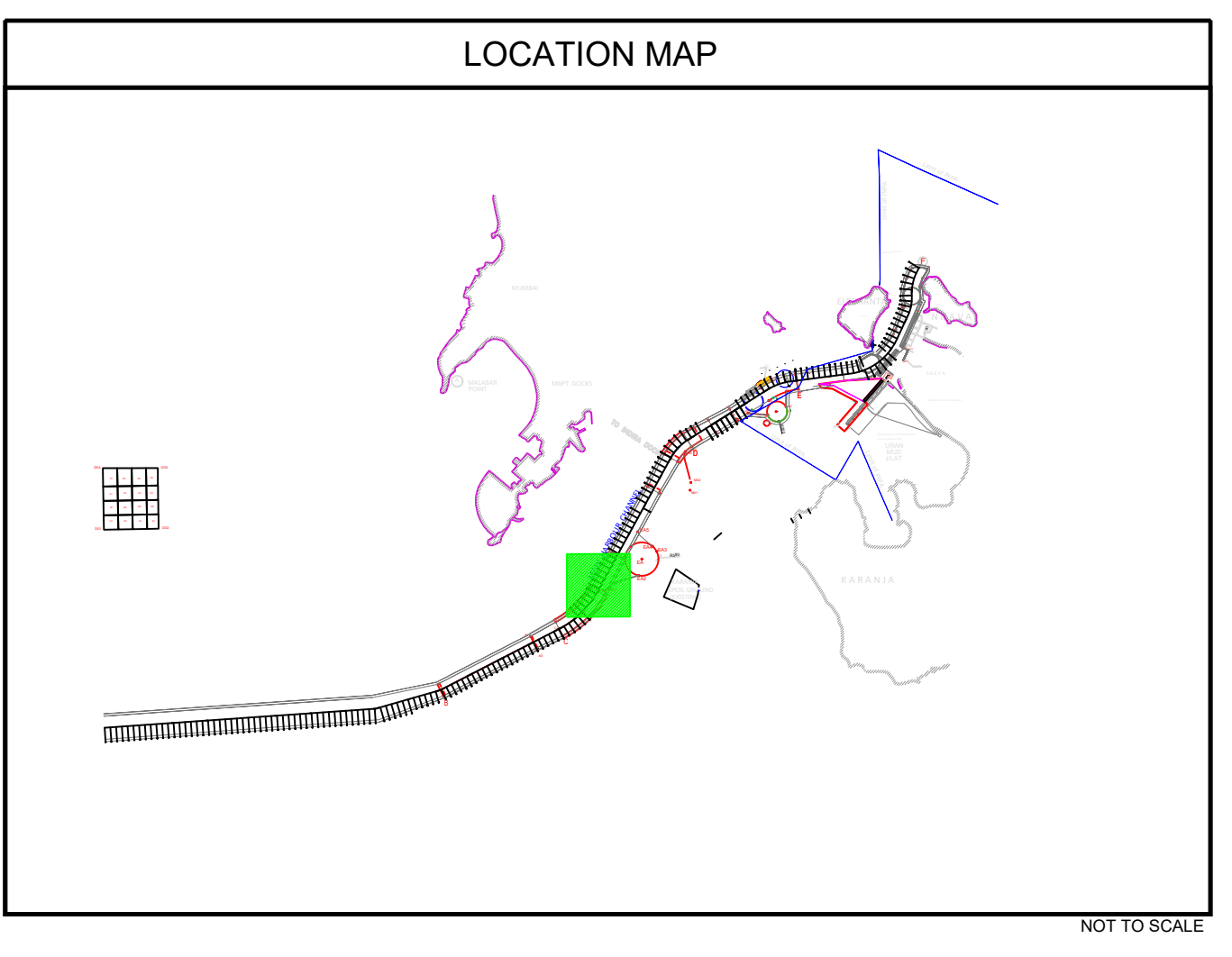
GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
VERTICAL DATUM	INDIA
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 43)
Latitude of Origin	0°
Falses Easting	500000 m
Falses Northing	0 m
Scale factor at CM	0.99960

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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CONTRACTOR

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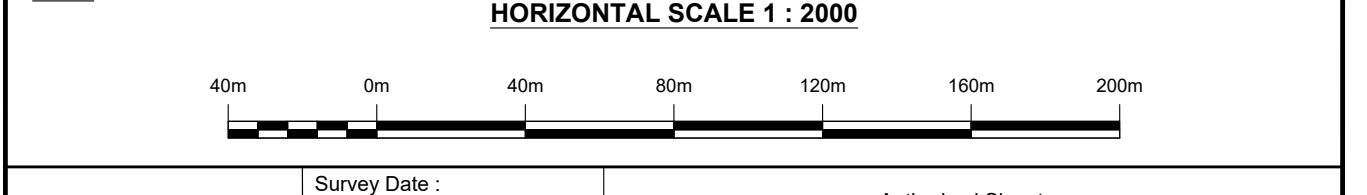
SUB-CONTRACTOR

INTERNATIONAL SEAPORT DREDGING PVT LTD.

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PROJECT

**JOINT POST 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 C-D)
CHANGAGE 17,600 - 18,200**



Vessel : M QUEEN	Survey Date : 13th to 14th & 16th Mar 2023	Authorised Signatory
Rev. No. : 0	Date : 02-04-2023	Issued For Approval
Drawing No. : SHANEX-SURP-025-CD	Chart	End
	P Size	AD