

### LEGEND:

**GENERAL**

- 1: 1M GRID INTERSECTION (WGS84)
- 2: GEOGRAPHICAL GRID INTERSECTION (WGS 84)

**SCALE**

1:10000

**MATCH LINE**

TOE LINE OF CHANNEL

Bathymetry (Below Design Depth)

WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

SECTION A-B Design Depth: 15.60m (Without Tolerance)

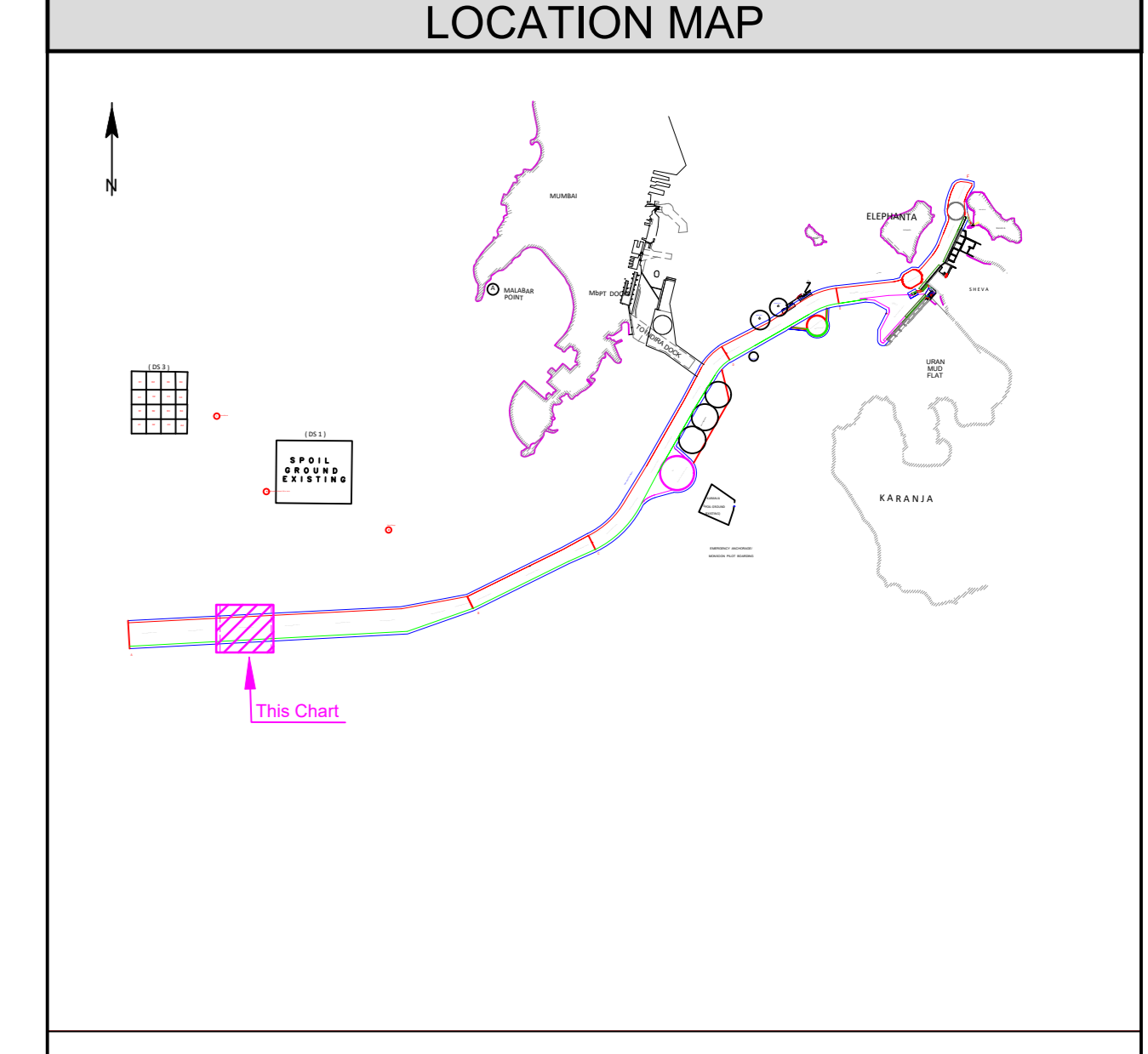
- ### NOTES:
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
  - 2) POSITION FIXING WAS CONTROLLED BY GPS POSITIONING SYSTEM
  - 3) ROBERT JAMES MULTIBEAM ECHOSOUNDING WAS EMPLOYED TO CARRY OUT BATHYMETRY
  - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANPA LANDING JETTY, BXP AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
  - 5) BENCHMARK AT ANPA LANDING JETTY (BOLLARD) IS 7.37m ABOVE CHART DATUM. BXP = 6.70m, BUNK ROCK = 9.80m
  - 6) ROSS WY THU WAS USED TO COMPENSATE SEA SWELL
  - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACD DRAWING
  - 8) ALL PLOT SURVEY DATA JOINTLY CARRIED OUT BETWEEN - ANPA, NTPCW (ITM), DCI & VOPL
  - 9) ALL PLOTTED DATA IN 10m x 10m GRID SIZE

### GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEOCENTRIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse Flattening	298.257222101
Projection	Universal Transverse Mercator
Central Meridian (CM)	77° E (Zone 43)
Latitude of Origin	0°
Falsc Easting	6300000 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 DREDGE SURVEY-APRIL 2026 MULTI-BEAM BATHYMETRY SURVEYS IN NAVIGATIONAL AREA OF JN PORT NAVI MUMBAI & MUMBAI PORT CHANNEL WEST COAST OF INDIA FY 2025-26**

**BATHYMETRY CHART SECTION A-B CHAINAGE 3.100 - 4.800**

**SCALE**

SCALE 1:2000

0.0m 100.0m 200.0m

Vessel: ME QUEEN	Survey Date: 22nd & 23rd Apr 2026	Authorized Signatory
Rev. No.	Date	Description
0	20/04/2026	Issued For Approval
Drawing No:	34.3652-JNPA-POST-AB-311	Chart
		End
		P-Size Ad