

LEGEND:

GENERAL

- 1:1M GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TOE LINE OF CHANNEL
- Bathymetry (Below Design Depth)
- Bathymetry (Above Design Depth)
- WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM
- Section E-F Design Depth: 14.40m (Without Tolerance)

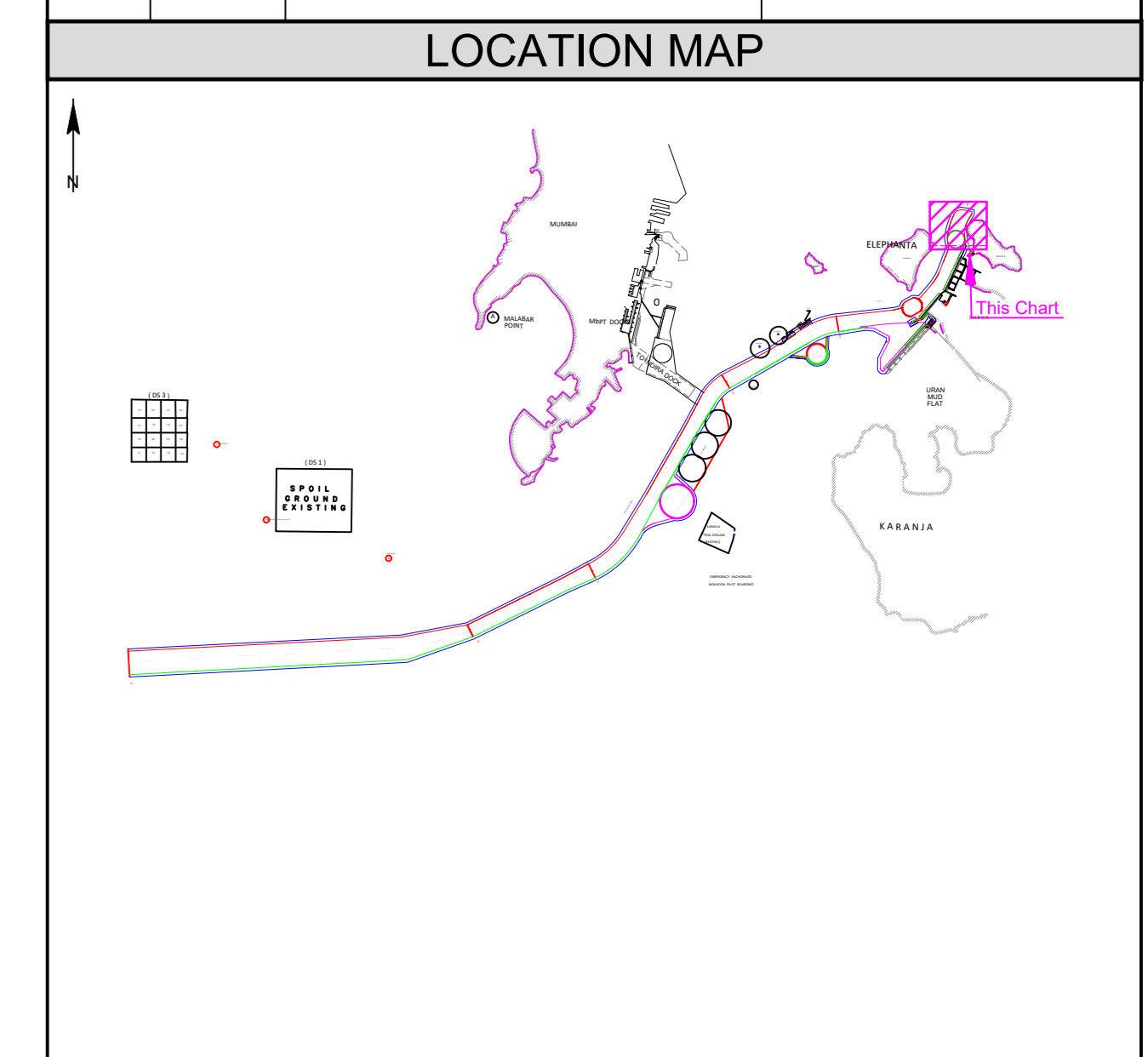
- ### NOTES:
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'MR QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED BY GPS/WPNS POSITIONING SYSTEM
 - 3) NORBIT MMMS MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY, BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 3.735 M ABOVE CHART DATUM. BPX = 6.20m. BUNK ROCK = 9.90m.
 - 6) POS BY WU WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD FORMAT.
 - 8) ALL POST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW (ITM), DCI & VOPL.
 - 9) 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	298.257223603
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 48)
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

JAWAHARLAL NEHRU PORT AUTHORITY
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PMC

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CONTRACTOR

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PROJECT

**JOINT POST DREDGE SURVEY-MAY 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 E - F
CHANNEL 34,200 - 35,400**

SCALE

SCALE 1:2000

0m 100.0m 200.0m

Vessel: MR QUEEN	Survey Date: 16 & 19 May 2026	Authorised Signatory				
Rev. No.	Date	Description				
0	22/05/2026	Issued For Approval				
Drawing No:	VOPL	DCI	NTPCW	JNPA	JNPA	JNPA
34.3652-JNPA-POST-EF-327	Chart	End	P-Size	AD		