

LEGEND:

GENERAL
 1. 1M GRID INTERSECTION (WGS84)
 2. GEOGRAPHICAL GRID INTERSECTION (WGS 84)
 3. KILOMETRE POST
 4. MATCH LINE
 5. TOE LINE OF CHANNEL
 6. Bathymetry (Bath Design Depth)
 7. OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BFX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 8. WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM
 Section D-E Design Depth: 14.40m (Without Tolerance)

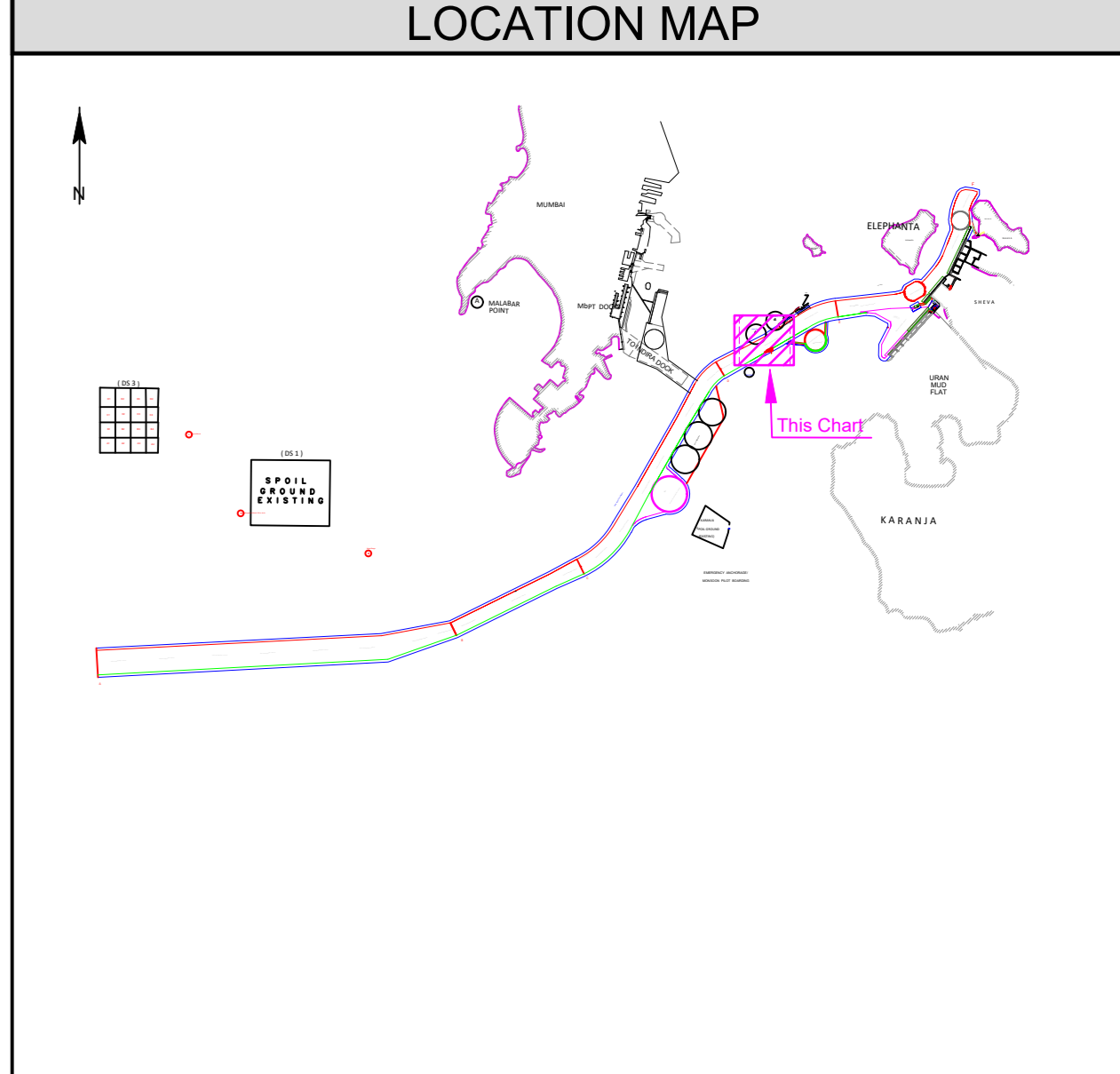
- ### NOTES:
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'MR QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED BY POS-MIP W/MS POSITIONING SYSTEM
 - 3) NORBIT 'MMMS MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT BATHYMETRY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BFX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 7.375 ABOVE CHART DATUM. BFX - 6.20m, BUNK ROCK - 9.80m
 - 6) POS-MIP WAS USED TO COMPENSATE SEA SWELL
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACPAD DRAWING
 - 8) MOST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW, 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	6356583.314 m
Inverse flattening	298.257222603
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	70° E (Zone 43)
Latitude of Origin	0°
Falsc Easting	600000 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 D - E
CHANGING 25.00 - 27.200

SCALE

SCALE 1:2000
 0m 100.00m 200.00m

Vessel: MR QUEEN Survey Date: 10/11/2025
 Authorized Signatory

Rev. No.	Date	Description
0	22/05/2026	Issued For Approval

Drawing No: **VOPL DCI NTPCW JNPA JNPA JNPA**

34.3652-JNPA-POST-DE-320

Chart End P-Size A