

# OL JETTY

### LEGEND:

- 1: 1M GRID INTERSECTION (WGSM)
- 2: GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- 3: KILOMETRE POST
- 4: MATCH LINE
- 5: TOE LINE OF CHANNEL
- 6: Bathymetry (Below Design Depth)
- 7: BATHYMETRY (Below Design Depth)
- 8: WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM
- 9: Section D/E Design Depth : 14.0m (Without Tolerance)
- 10: JNP Anchorage Design Depth : 11.20m (Without Tolerance)

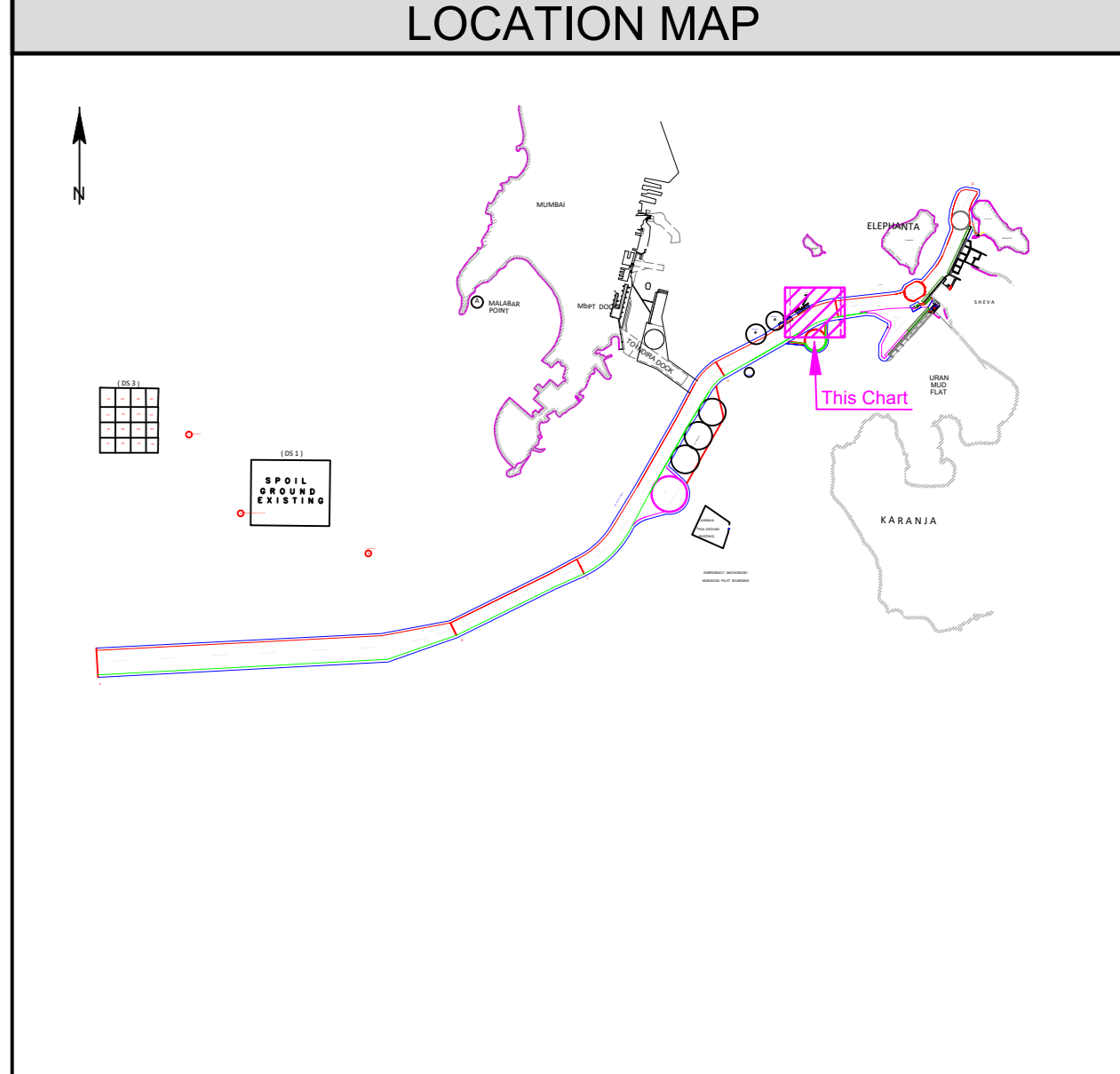
- ### NOTES:
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "M QUEEN"
  - 2) POSITION FIXING WAS CONTROLLED BY GPS W/ RT POSITIONING SYSTEM
  - 3) NORBIT AMMS MULTIBeam ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
  - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY, B'RX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
  - 5) BENCHMARK AT JNPA LANDING JETTY (BOLLARD) IS 7.375 ABOVE CHART DATUM. B'RX = 6.70m.
  - 6) BURN ROCK = 9.50m
  - 7) POS W/ MU WAS USED TO COMPENSATE SEA SWELL
  - 8) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACPAD FORMAT
  - 9) MOST SURVEYS ARE JOINTLY CARRIED OUT BETWEEN - JNPA, NTPCW (ITM), DCI & VOPL
  - 10) ALL PLOTTED DATA IN 5m x 5m GRID SIZE

### GEODEIC PARAMETERS

|                               |                               |
|-------------------------------|-------------------------------|
| HORIZONTAL CO-ORDINATE SYSTEM | WGSM4                         |
| GEODEIC DATUM                 | WGSM4                         |
| ELLIPSOID                     | WGSM4                         |
| Semi major axis               | 6378137.000 m                 |
| Semi minor axis               | 6356752.314 m                 |
| Inverse flattening            | 298.257223653                 |
| PROJECTION                    | Universal Transverse Mercator |
| Central Meridian (CM)         | 75° E (Zone 43)               |
| Latitude of Origin            | 0°                            |
| Falve Easting                 | 0.000000 m                    |
| False Northing                | 0.0 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-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  
 CHAINAGE 27.200-28.800 DE**

**SCALE**

SCALE 1:2000

0m 100.0m 200.0m

Vessel: M QUEEN Survey Date: 11.15 & 19 May 2026 Authorized Signatory

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

Drawing No: **34.3652-JNPA-POST-DE-321**

|       |     |       |      |      |      |
|-------|-----|-------|------|------|------|
| VOPL  | DCI | NTPCW | JNPA | JNPA | JNPA |
| Chart | Ent | Ent   | P    | P    | P    |