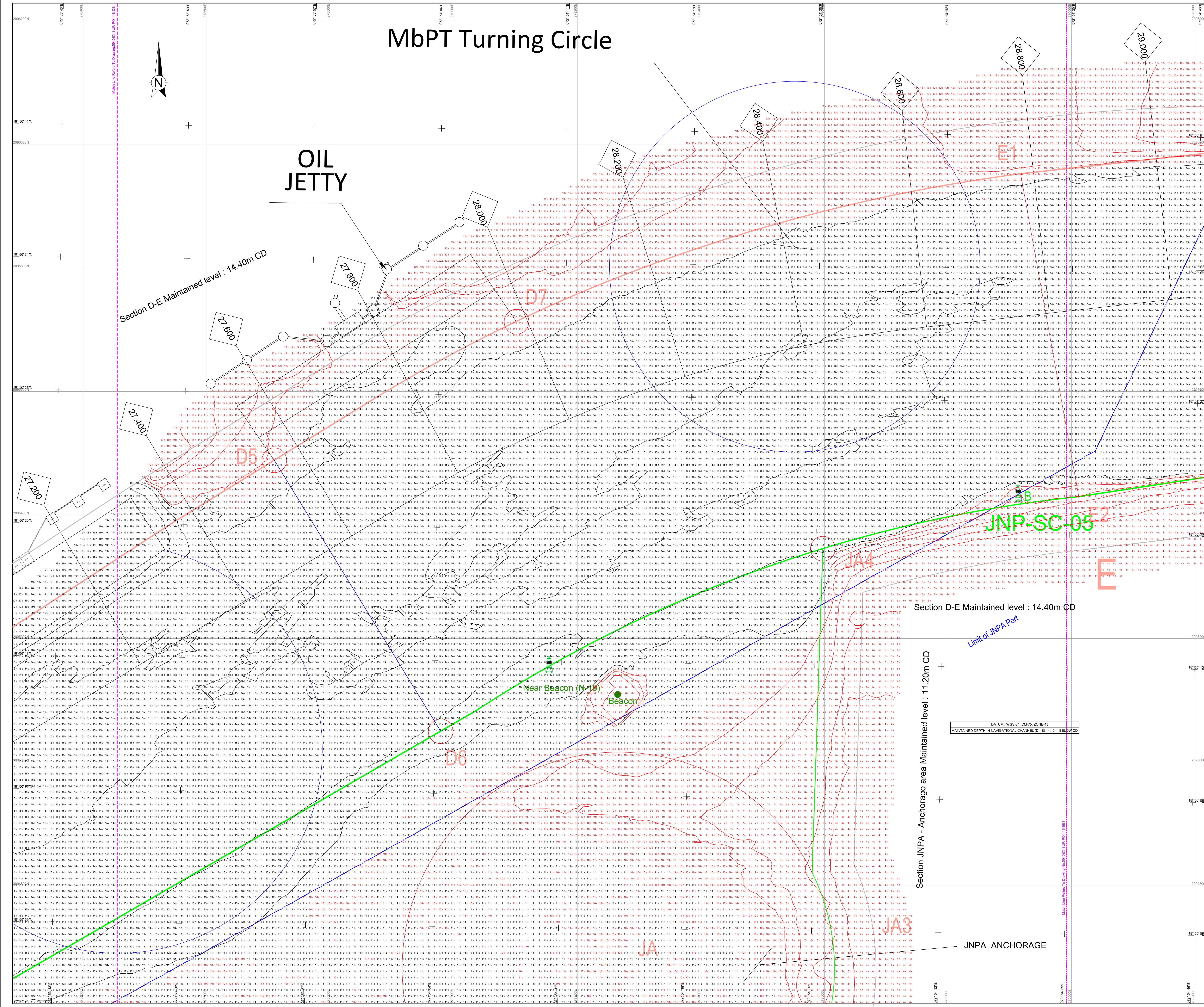


# MbPT Turning Circle



**LEGEND:**

- GENERAL
- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TOE LINE OF CHANNEL
- Section D-E Maintained level : 14.40m (+15 cm Tolerance)
- Section JNP Anchorage Area Maintained level : 11.20m (+15 cm Tolerance)

**BATHYMETRY**

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

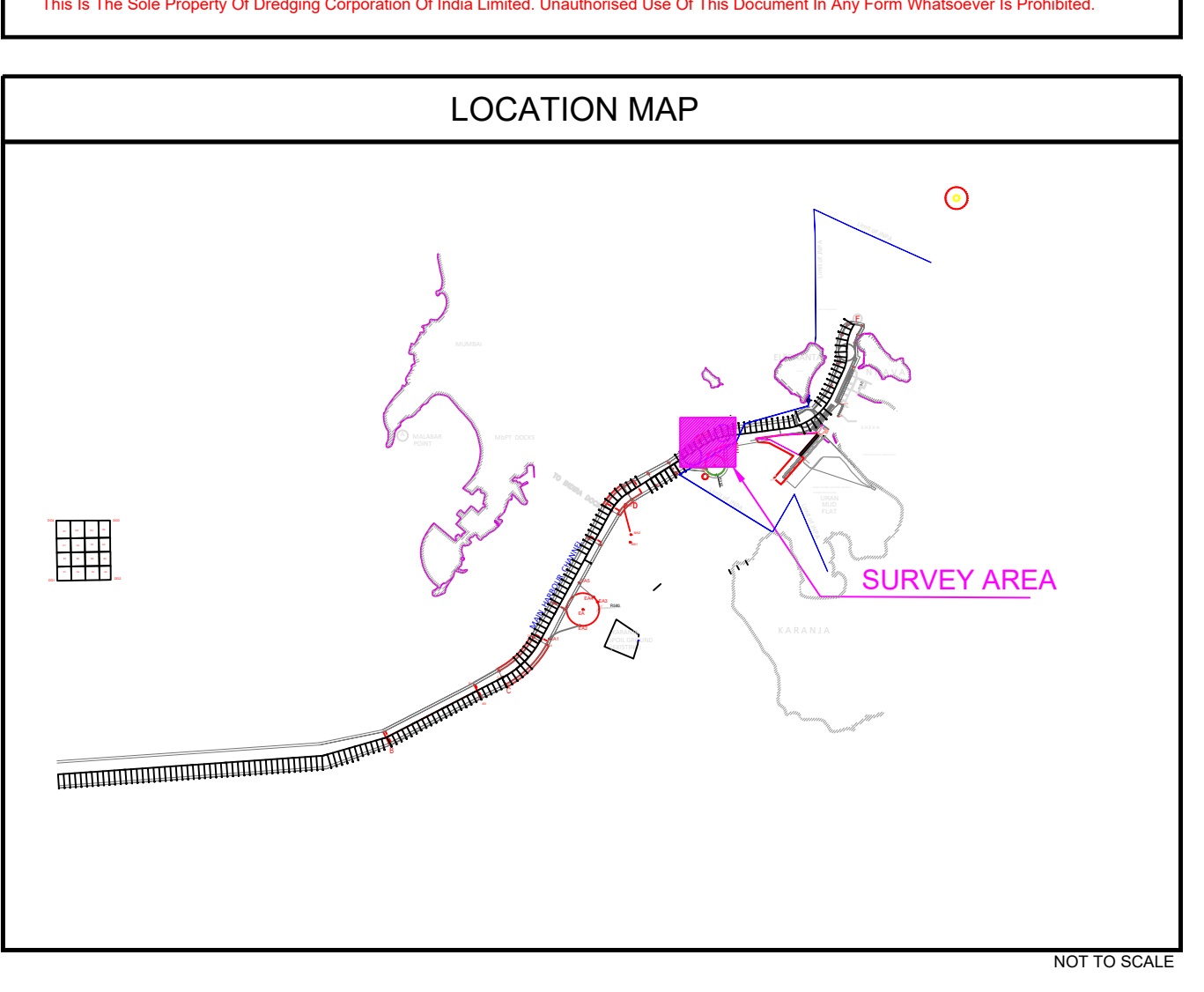
- NOTES:**
- SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
  - POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
  - KONGSBERG EMODAC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT VIBES SURVEY
  - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. SPK AND SUNK ROCK WERE USED FOR RECORDING RAW WATER DEPTH TO CHART DATUM
  - BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 7.375m ABOVE CHART DATUM (SPL + 6.70m, Sunk Rock + 5.70m)
  - MOTION SENSOR OCTANS WAS USED TO COMPENSATE SEA SWELL
  - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN A CAD FORMAT
  - ALL JOINT SURVEYS CARRIED OUT JOINTLY BETWEEN JNPA, NTPCW (ITM), DCI & ISPL
  - ALL PLOTTED DATA IN 10m x 10m GRID SIZE

**GEODEIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEOID DATUM	WGS84
Bench mark sea level	637137.000 m
Sea level	63762.314 m
Inverse flattening	298.2572236
PROJECTION	Unwarped Transverse Mercator
Central Meridian (CM)	75° E (Zone 43)
Latitude of Origin	5000.000 m
Falsie Northing	0.0 m
Scale factor at CM	0.99960

**REFERENCE DRAWINGS**

Rev. No.	Date	Drawing No.	Description



**CLIENT:** JAWAHARLAL NEHRU PORT AUTHORITY  
ADMINISTRATION BUILDING, SHEVA, NAVI MUMBAI - 400 707  
Tel.: 022 6781 4156/6781 4154, Fax: 022 6781 4178

**CONSULTANT:** NATIONAL TECHNOLOGY CENTRE FOR PORTS WATERWAYS AND COASTS  
IIT MADRAS  
CHENNAI - 600 036  
Tel.: +91 44 22578915

**CONTRACTOR:** DREDGING CORPORATION OF INDIA LIMITED  
DREDGE HOUSE, HB COLONY MAIN ROAD, SEETHAMMAHARAI, VISAKHAPATNAM - 530 022  
ANDHRA PRADESH STATE, INDIA  
TEL: +91 0891-2523250 + 91 0891-2871230

**SUB-CONTRACTOR:** INTERNATIONAL SEAPORT DREDGING PVT LTD.,  
Ocean Square Plot No-2 (G.S.P)  
Thiruvananthapuram Industrial Estate  
Guindy, Chennai - 600032  
Tel Fax : +91(0) 44 43 12 99 01

**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 D-E)  
CHANGAE 27.00 - 29.00

**SCALE:** HORIZONTAL SCALE : 1 : 2000

**ISSUED:** ME QUEEN  
**SURVEY DATE:** 04-MAR-2023  
**ISSUED DATE:** 04-04-2023

**APPROVED SIGNATURE:**

Rev. No.	Date	Description	Author	Check	Issue	Scale	Chart	End	P/Size
0	04-04-2023	Issued For Approval							

Drawing No: 5846EX-DP-PO-11-DE