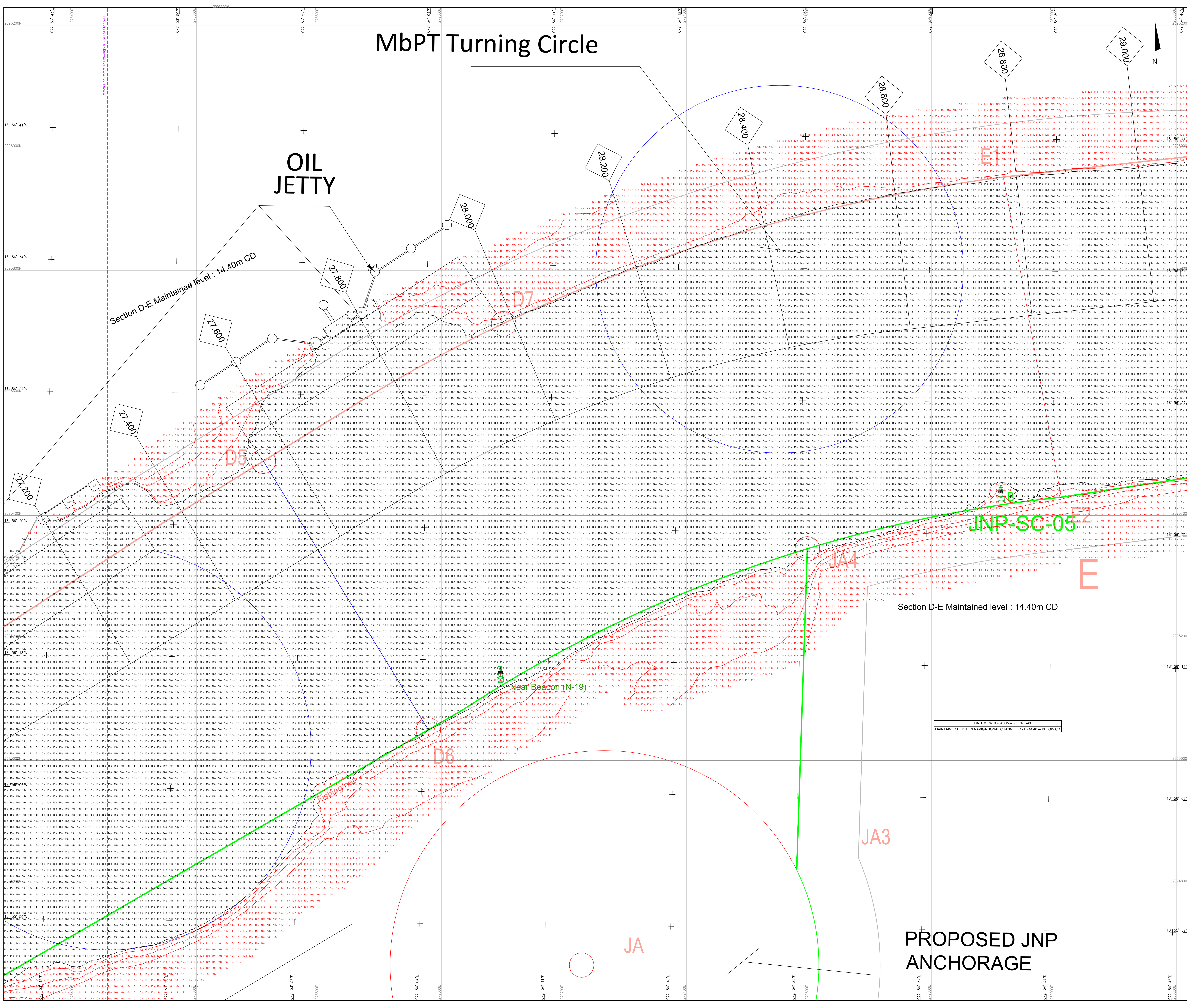


# MbPT Turning Circle



**LEGEND:**

- GENERAL
- UTM GRID INTERSECTION (WGS84)
- GEODATUM GRID INTERSECTION (WGS 84)
- KILOMETER POST
- MATCH LINE
- TOE LINE OF CHANNEL

Section D-E Maintained level: 14.40m (Without 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 BY RTK SEPTENTORION POSITIONING SYSTEM
  - KONINGSBERG ECHONIC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
  - FOR REDUCING RAW WATER DEPTH TO CHART DATUM
  - BENCHMARK AT ANPA LANKING JETTY (BOLLARDS) IS 7.75m ABOVE CHART DATUM, B.P.M. = 8.70m, Sunk Rock = 5.783m.
  - MOTION SENSOR OBTAINS WAS USED TO COMPENSATE SEA SWELL.
  - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN A CAD DRAWING.
  - ALL JOINT POST SURVEYS WERE JOINTLY CARRIED OUT BETWEEN : ANPA, IML, DCA & ISPL.
  - ALL PLOTTED DATA IN 10x10 M GRID SIZE.

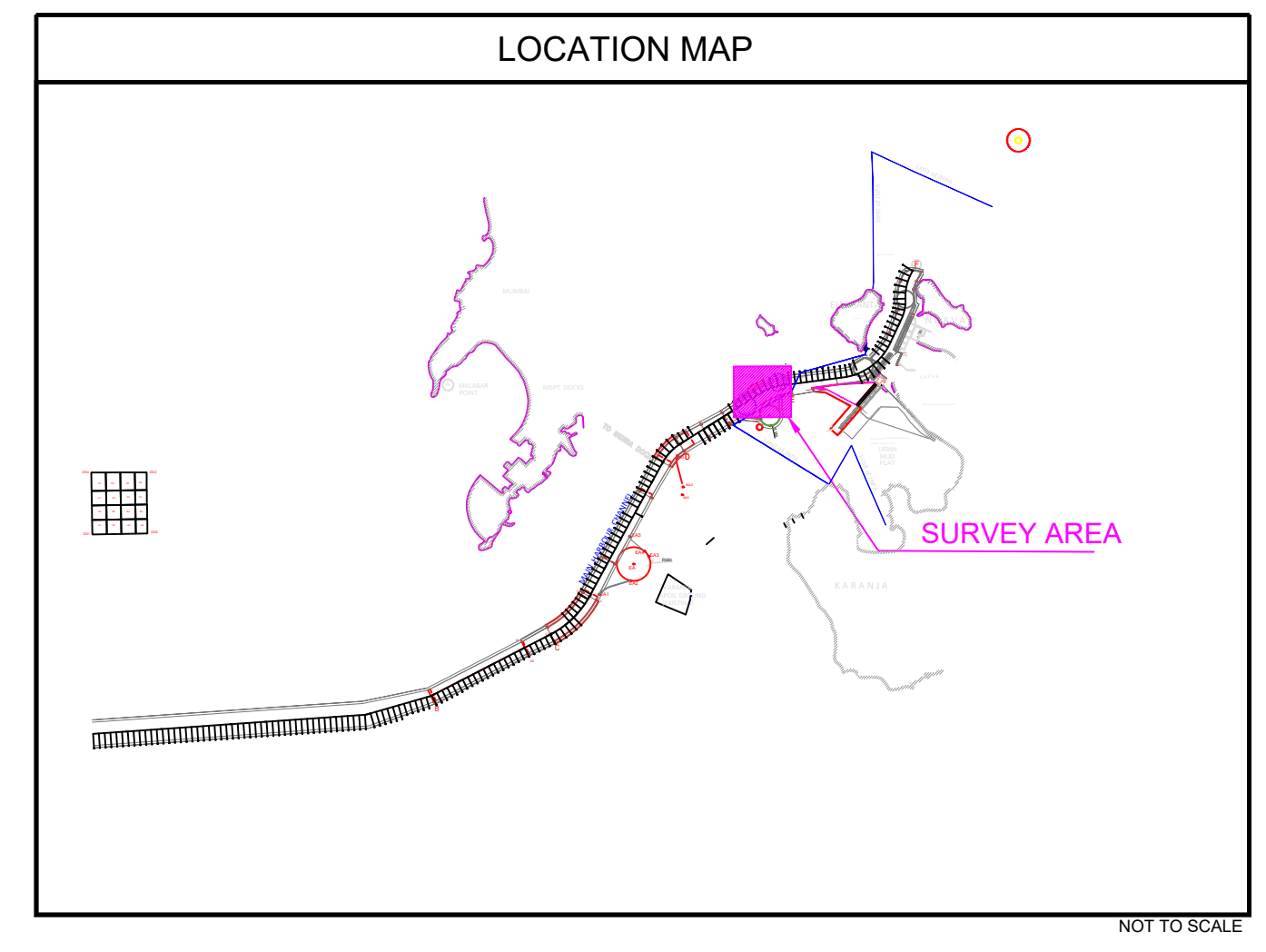
**GEODETIC PARAMETERS**

HORIZONTAL DATUM	WGS84
GEODETIC SYSTEM	WGS84
ELLIPSOID	WGS84
SEMI MAJOR AXIS	6378137.000 m
SEMI MINOR AXIS	6356752.314 m
FLATTENING	0.00335293
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 48)
Latitude of Origin	0°
Scale Factor at CM	0.999600
False Easting	500000.00
False Northing	0.000000

**REFERENCE DRAWINGS**

Rev. No.	Date	Drawing No.	Description

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**CLIENT**

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IIT MADRAS**

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**PROJECT**

**JOINT POST SURVEY  
MULTI-BEAM BATHYMETRY SURVEYS  
IN NAVIGATIONAL AREA OF JNP PORT  
NAVI MUMBAI & MUMBAI PORT CHANNEL  
WEST COAST OF INDIA  
FY 2021-22**

BATHYMETRY CHART (SECTION D-E)  
CHANGE 27.200 - 28.600

**SCALE**

HORIZONTAL SCALE 1 : 2000

40m 0m 40m 80m 120m 160m 200m

**VESEL:** ME QUEEN    **SURVEY DATE:** 27 April & 5th May 2022    **AUTHORIZED SIGNATORY:**

Rev. No.	Date	Description	Checked	Reviewed	Approved
0	15-05-2022	Issued For Approval			

Drawing No: 5540.SUR.PO-114-DE    Chart: ENR    E-INT    P-Size: A0