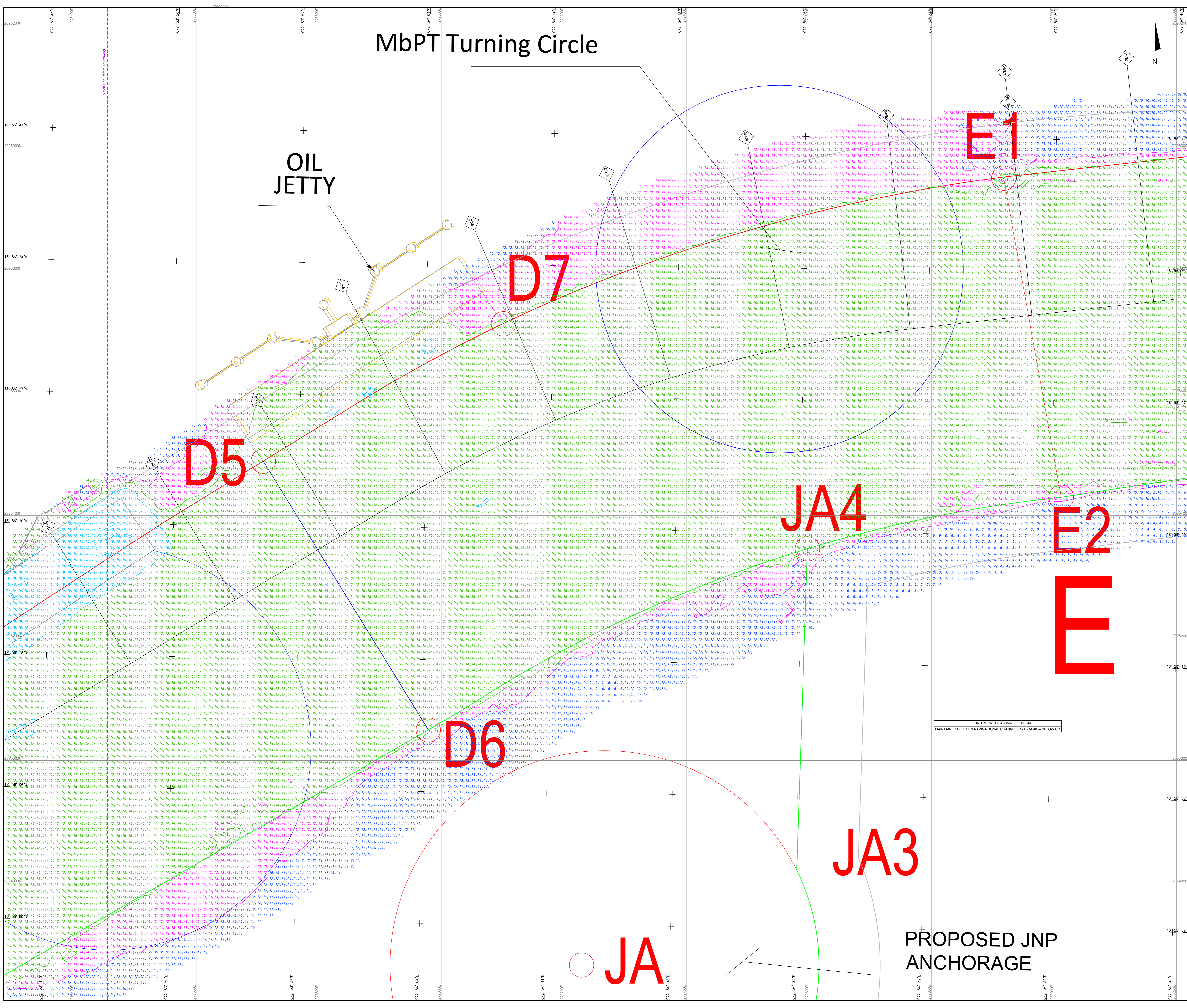


# MbPT Turning Circle



**LEGEND:**

- GENERAL
- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- MATCH LINE
- TOE LINE OF CHANNEL

**BATHYMETRY**

1: WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

- NOTES:**
- SURVEY WAS CARRIED OUT FROM VESSEL AERO-EXPRESS FROM 08th May to 09th May 2020
  - POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
  - KONGSBERG ENDONAUT MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT BATHY SURVEY
  - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNP LANDING JETTY WAS USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
  - VALLE OF BENCH MARK AT JNP LANDING JETTY (BOLLARD) IS 3.75 METER ABOVE CHART DATUM
  - MOTION SENSOR ON CANNES WAS USED TO COMPENSATE SEA SWELL
  - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT.

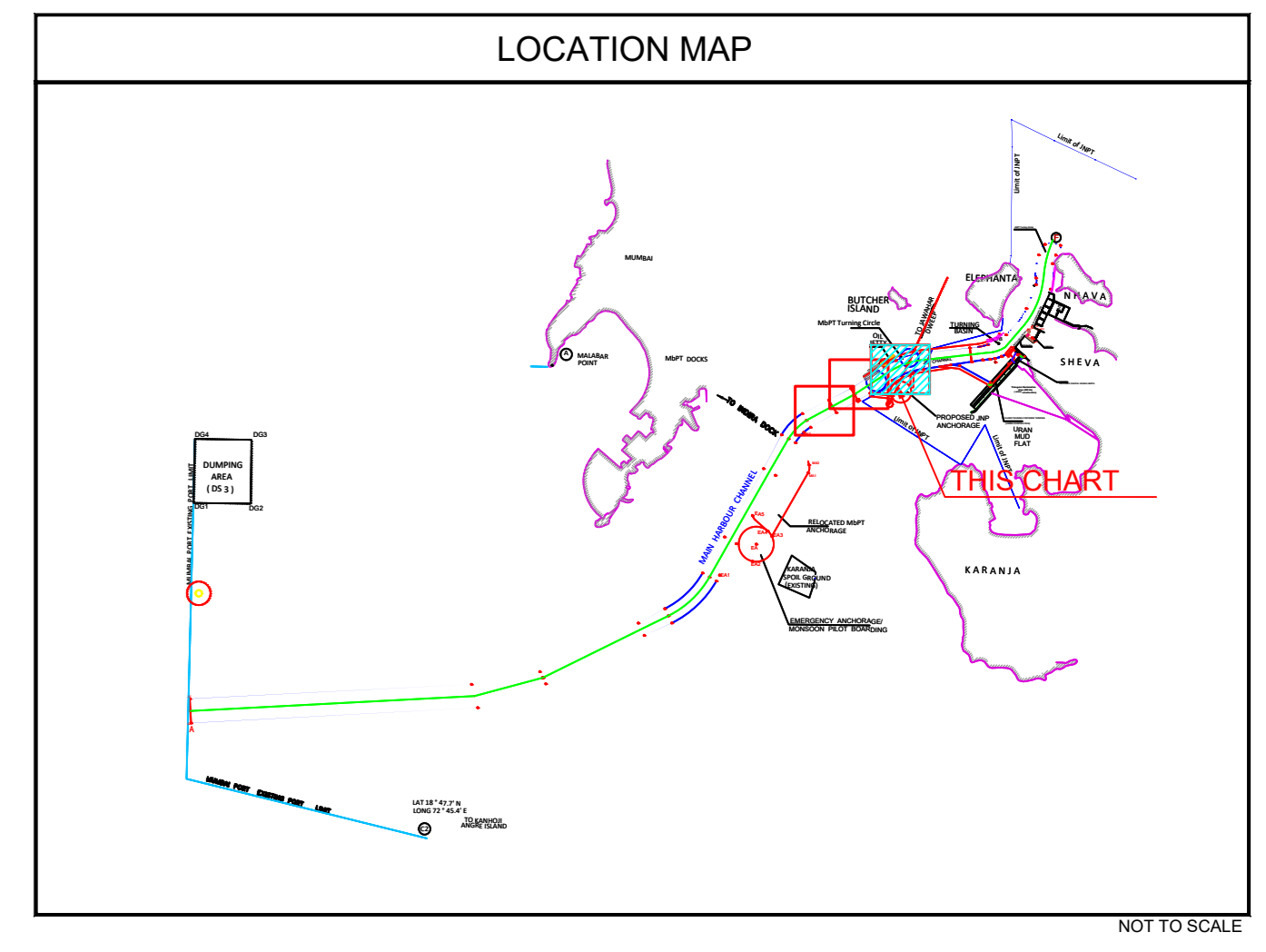
**GEOIDETIC PARAMETERS**

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEOIDETIC DATUM	WGS84
ELLIPSOID	WGS84
Semi major axis	6378137.000 m
Semi minor axis	6356752.314 m
Inverse flattening	298.257222101
PROJECTION	Universal Transverse Mercator
Central Meridian (CM)	75° E (Zone 43)
Latitude of Origin	0°
False Easting	500000
False Northing	0
Scale factor of CM	0.999600

**REFERENCE DRAWINGS**

Rev. No.	Date	Drawing No.	Description

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**CLIENT**

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**CONSULTANT**

**NATIONAL TECHNOLOGY CENTRE FOR PORTS  
WATERWAYS AND COASTS  
IIT MADRAS**  
CHENNAI - 600 036

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**PROJECT**

JOINT POST-SURVEY  
MULTI-BEAM BATHYMETRY SURVEYS  
IN NAVIGATIONAL AREA OF JNP PORT  
NAVI MUMBAI, WEST COAST OF INDIA

**BATHYMETRY CHART (SECTION D-E)**

**SCALE**

HORIZONTAL SCALE 1 : 2000

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

**DATE**

02/05/2020

**VESEL**

AERO EXPRESS

**SURVEY DATE**

08th May to 09th May 2020

**AUTHORIZED SIGNATORY**

Rev. No.	Date	Description
0	13-05-2020	Issued For Approval

Drawing No: 5752-SUR-PO409-Sheet1

Sheet 1 OF 3

**PROPOSED JNP ANCHORAGE**

DATUM: WGS 84, CH-75, ZONE-43  
MAINTAINED DEPTH IN NAVIGATIONAL CHANNEL (D - E) 14.0 m BELOW CD

NOT TO SCALE