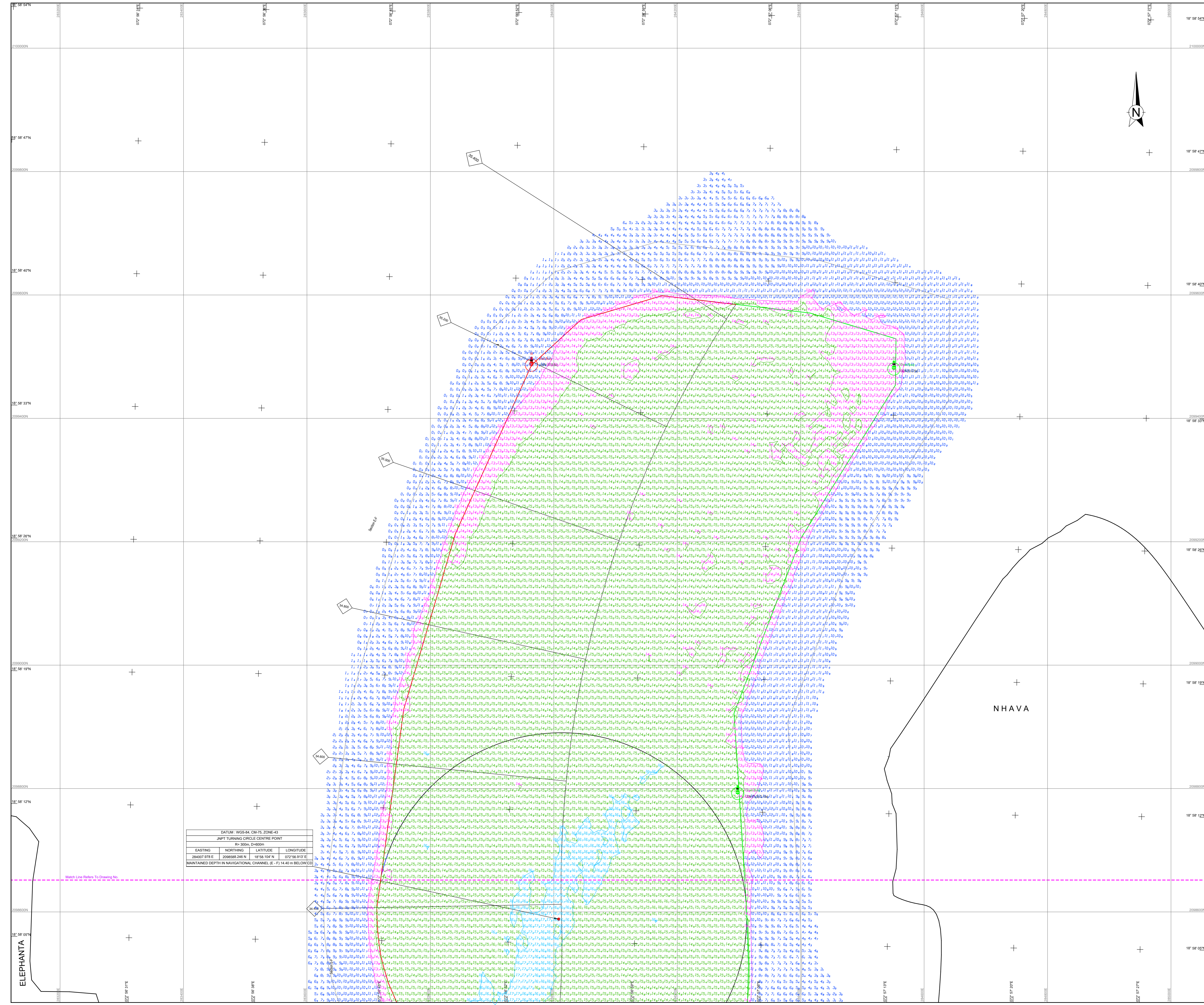


BATHYMETRY CHART



LEGEND:

GENERAL

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

BATHYMETRY

- WATER DEPTH IN METRES & DECIMITRES BELOW CHART DATUM

- NOTES:**
- SURVEY WAS CARRIED OUT FROM VESSEL AERO-EXPRESS FROM 08H 50A TO 09H 50H MAY 2020
 - POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
 - KONGBERG ENDURAC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
 - OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPT LANDING JETTY WAS USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - VALUE OF BENCH MARK AT JNPT LANDING JETTY (BOLLARD) IS 3.735 METER ABOVE CHART DATUM.
 - MOTION SENSOR OCTANES WAS USED TO COMPENSATE SEA SWELL.
 - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT.

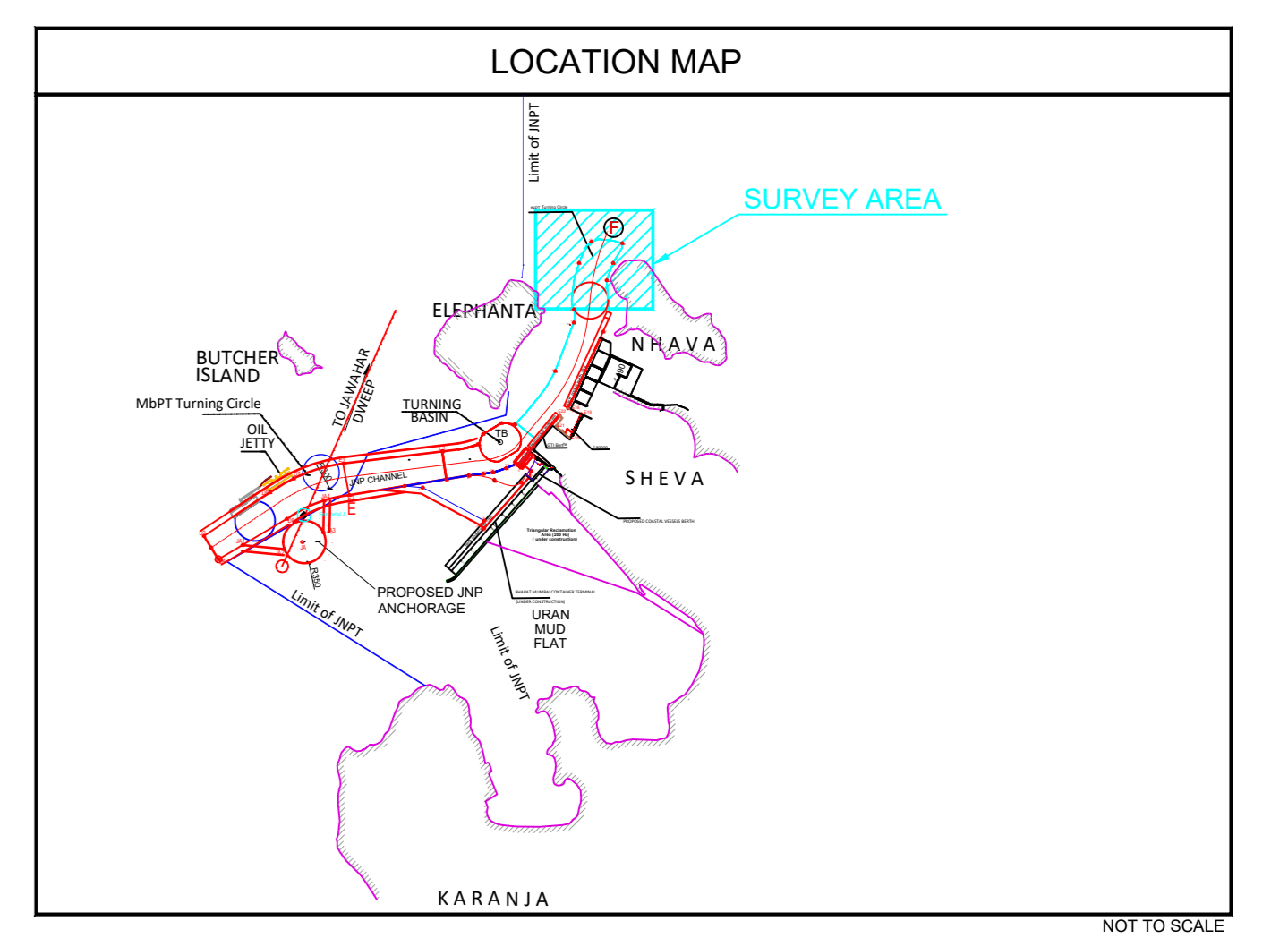
GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODETTIC 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°
Fake Easting	500000 m
Fake Northing	0 m
Scale factor at CM	0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

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PROJECT

**JOINT POST-SURVEY
 MULTI-BEAM BATHYMETRY SURVEYS
 IN NAVIGATIONAL AREA OF JN PORT
 NAVI MUMBAI, WEST COAST OF INDIA**
 BATHYMETRY CHART (SECTION E & BMCT)

SCALE

HORIZONTAL SCALE 1 : 2000

DATUM: WGS84 (GMT, TIME ZONE: 5)
 JNPT TRESSING CIRCLE CENTRE POINT
 R: 30m, L: 80m

EASTING	NORTHING	LATITUDE	LONGITUDE
26407.976 E	2096885.245 N	18° 58' 10" N	072° 56' 03" E

MAINTAINED DEPTH IN NAVIGATIONAL CHANNEL (E - 4) 14.00 M BELOW CD

Authorized Signatory

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

Drawing No: 5752-SUR-POD10_SHEE5

Checked	Approved	Scale	Sheet No.

Scale: 5 OF 5 | Sheet: 1 OF 1 | Size: A0