

DATUM: WGS84 (GDA 2011) ZONE 43
JNPT TURNING CIRCLE CENTRE POINT
 R= 300m D=100m

EASTING	NORTHING	LATITUDE	LONGITUDE
500000.00	1000000.00	19° 57' 00.00" N	72° 50' 00.00" E

MAINTAINED DEPTH IN NAVIGATIONAL CHANNEL (E- F) 14.40 M BELOW CD

LEGEND:

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

BATHYMETRY

WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM

- NOTES:**
- SURVEY WAS CARRIED OUT FROM MBSES AERO EXPRESS FROM 08th May to 10th May 2020
 - POSITION FIXING WAS CONTROLLED FROM REPETITIVE STATION POSITIVE SYSTEM
 - OBSCURED ENDRICH MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
 - KEGGED BOTTLE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPT LANDING WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - VALUE OF REFERENCE MARK AT JNPT LANDING JETTY (BOLLARD) IS 3.75 METRE ABOVE CHART DATUM
 - MOTION SENSOR OCTANES WAS USED TO COMPENSATE SEA SWELL
 - SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT

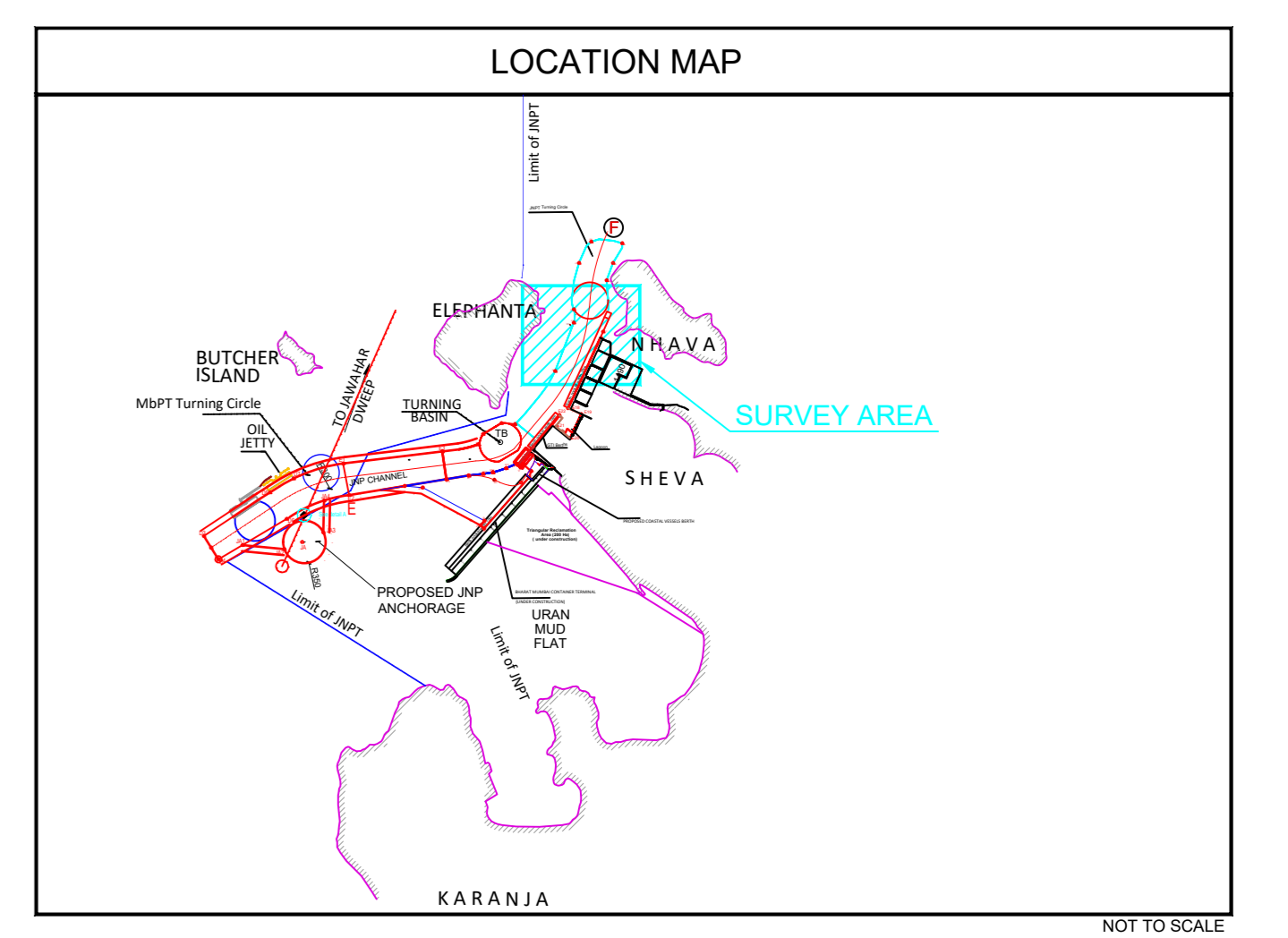
GEODETIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEODETIC 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 m
False Northing	1000000 m
Scale factor at CM	0.999600

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

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CLIENT

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 WATERWAYS AND COASTS**
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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-F & BMCT)

SCALE

HORIZONTAL SCALE 1 : 2000

Issue: AERO EXPRESS Survey Date: 08th May to 10th May 2020 Authorised Signatory

Rev. No.	Date	Description	ISSUED BY	CHECKED BY	DATE	SCALE	NO. OF SHEETS	SHEET NO.	CHART	END	P.SIZE
0	13-05-2020	Issued For Approval					4 OF 5	1 OF 1			A3

Drawing No: 5752-SUR-PO-010_Sheet4 Chart: 4 OF 5 End: 1 OF 1 P.Size: A3