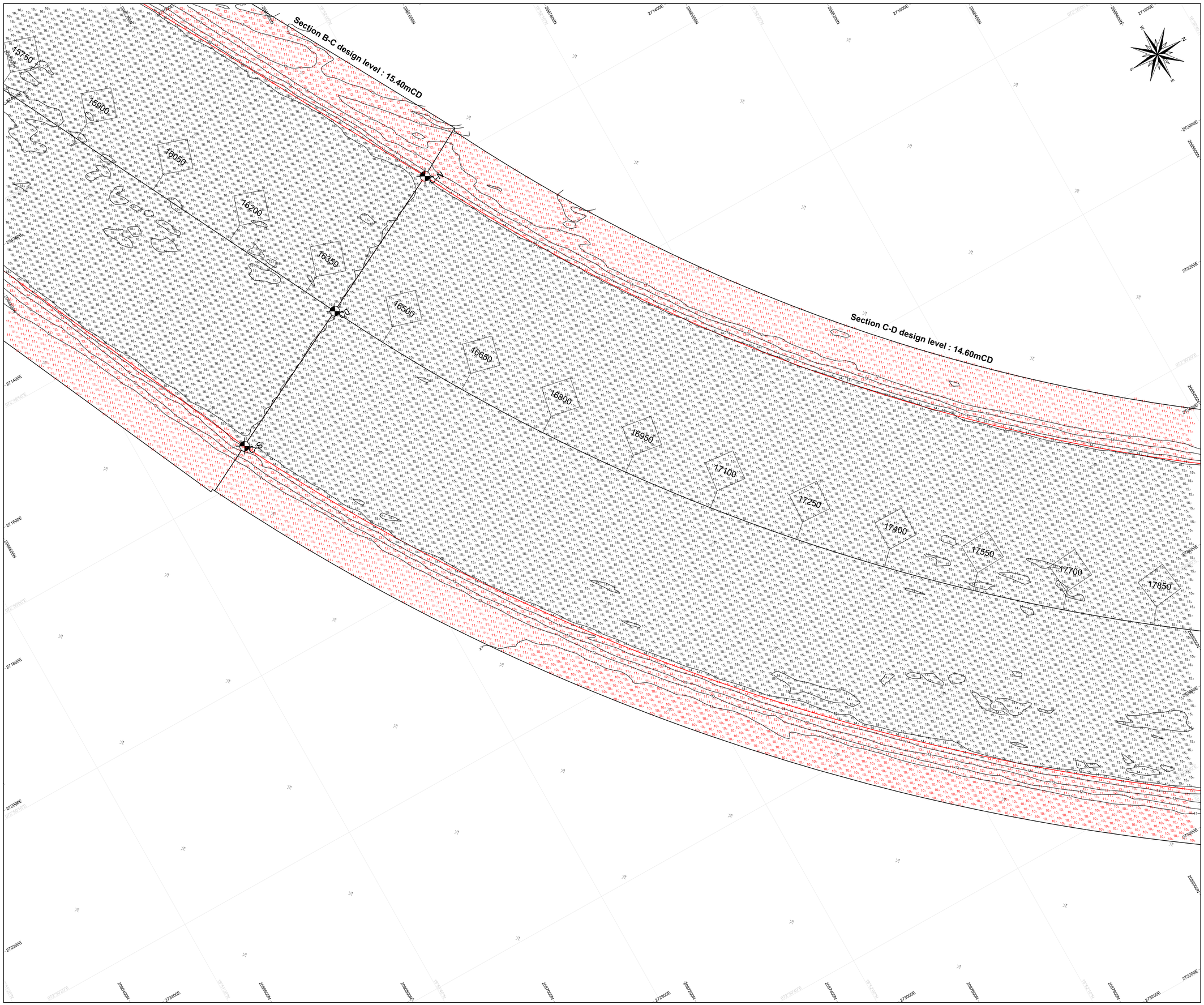

LEGEND:

GENERAL

- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- METER POST
- SLOPE LINE
- TOE LINE OF CHANNEL DESIGN
- DESIGN COORDINATE POINTS

Section B - C design levels : 15.40m (Without Tolerance)

Section C - D design levels : 14.60m (Without Tolerance)

BATHYMETRY

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

NOTES:

1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL" M.E.QUEEN ".
2) POSITION FIXING WAS CONTROLLED FROM APPLANIX POSMV RTK POSITIONING SYSTEM.
3) R2SONIC 2022 ECHO SOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY.
4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPT LANDING JETTY, BPX AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
5) BENCH MARK AT JNPT LANDING JETTY (BOLLARD) = 7.375 m ABOVE CHART DATUM. BPX = 6.700m. Sunk Rock = 5.783 m
6) MOTION SENSOR APPLANIX POSMV WAS USED TO COMPENSATE SEA SWELL.
7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
8) ALL POST SURVEYS WHERE JOINT CARRIED OUT BETWEEN IIT - DCI - VOIPL
9) ALL PLOTTED DATA IN 10x10 m GRID SIZE

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	:	298.2572236
PROJECTION	:	Universal Transverse Mercator
Central Meridian (CM)	:	75° E (Zone 43)
Latitude of Origin	:	0°
False Easting	:	500000 m
False Northing	:	0 m
Scale factor at CM	:	0.99960

REFERENCE DRAWINGS

Rev. No.	Date:	Drawing No.	Description:

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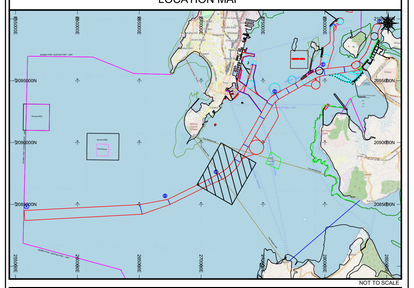
LOCATION MAP



NOT TO SCALE

CLIENT

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PROJECT

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

BATHYMETRY CHART SECTION C - D
CHAINAGE 15900 - 17850

SCALE

HORIZONTAL SCALE 1 : 2000

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

Vessel : M.E.Queen	**Survey Date :** 06, 07 Feb 2021	Authorized Signatory	

Rev. No:	Date:	Description:
0	24-02-2021	Issued For Approval

Prepared VOPL	Approved VOPL	Project In-Charge DCI	Asst. Manager DMD, JNPT	NTCPWC IIT MADRAS	Manager (PPO), JNPT

Drawing Kp Section : KP 15900 - 17850	Van Oord Drawing No: 34.3426-POST-JNPT-011		Chart: 11 OF 21	P.Size: A0
	Van Oord Proj No : 34.3426	Drawing Type : OUT SURVEY		