

LEGEND:

GENERAL

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

Section D-E Maintained level : 14.40m (±15 cm Tolerance)

BATHYMETRY

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

- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "M QUEEN"
 - 2) POSITION FIXING WAS CONTROLLED FROM PERPENDICULAR ASTERIX POSITIONING SYSTEM
 - 3) KONGBERG EMASAC MULTIBeam ECHOSOUNDER WAS DEPLOYED TO CARRY OUT BATHY SURVEY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT ANPA LANDING JETTY, BPX AND SUNK ROCKER WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - 5) BENCH MARK AT ANPA LANDING JETTY (BOLLARD) IS 7.375m ABOVE CHART DATUM. BPX = 8.70m, Sunk Rock = 5.780m
 - 6) MOTION SENSOR OCTANUS WAS USED TO COMPENSATE SEA SWELL
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN A CAD DRAWING
 - 8) ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN - ANPA, NPWC (M/D), DCI & ISDP.
 - 9) ALL PLOTTED DATA IN 10m x 10m GRID SIZE

GEODEIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM : WGS84

GEODEIC DATUM : WGS84

ELLIPSOID : WGS84

Semi major axis : 6378137.000 m

Semi minor axis : 6356752.314 m

Inverse flattening : 298.2572236

Universal Transverse Mercator

Central Meridian (CM) : 75° E (Zone 43)

Latitude of Origin : 0°

Falses Northing : 5000000 m

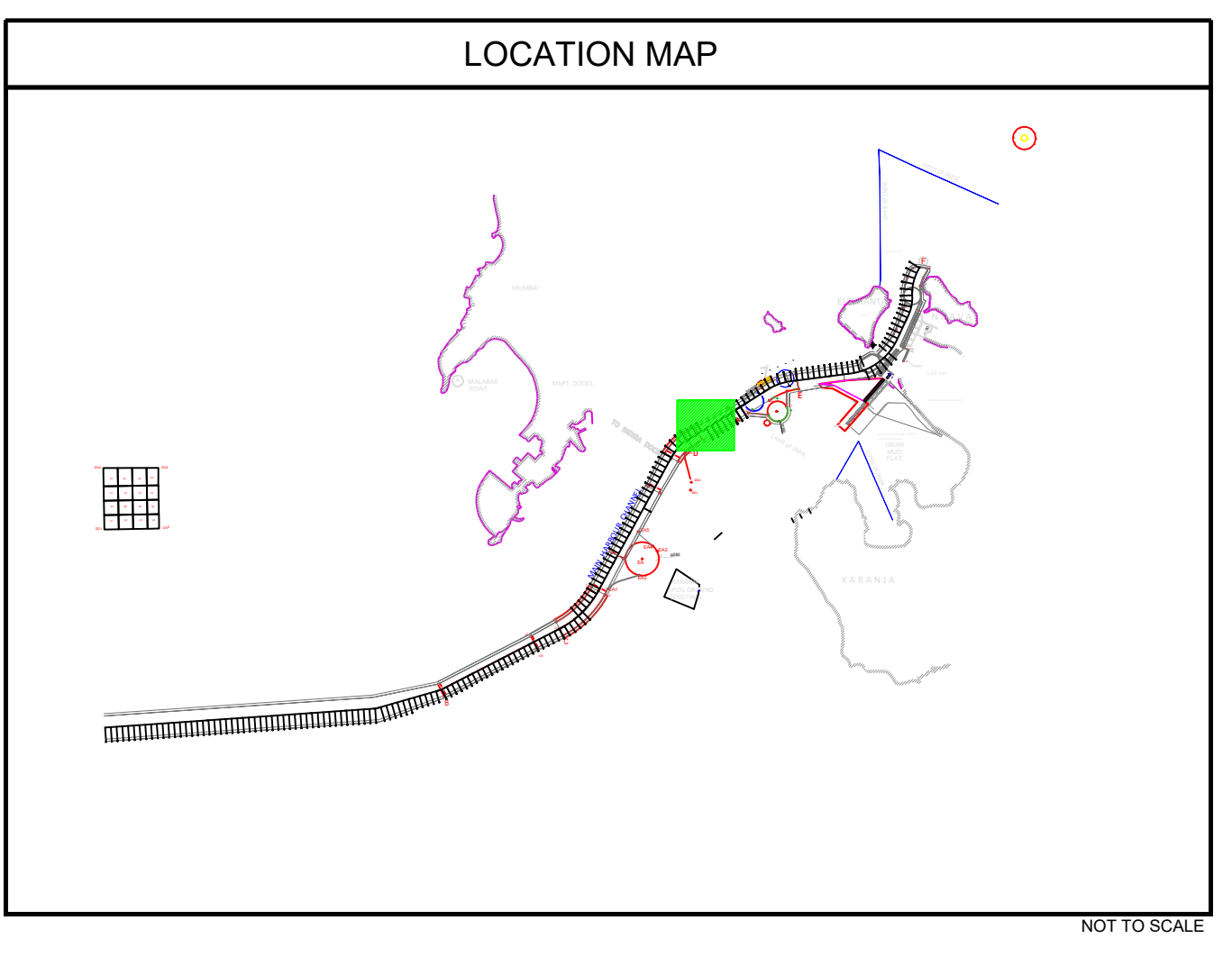
Falses Easting : 0 m

Scale factor at CM : 0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description

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PROJECT

**JOINT POST SURVEY - MAR 2023
MULTI-BEAM BATHYMETRY SURVEYS
IN NAVIGATIONAL AREA OF JN PORT
NAVI MUMBAI & MUMBAI PORT CHANNEL
WEST COAST OF INDIA
FY 2022-23**

**BATHYMETRY CHART (SECTION D-E)
CHART NO. 20.000**

SCALE

HORIZONTAL SCALE 1 : 2000

Version	Date	Description	Author's Signature
0	03-04-2023	Issued For Approval	

Drawing No.	Scale	Chart	Enc.	P. Size
5940EX-SUR-PD-119-DE	20.000	Chart	Enc.	A3