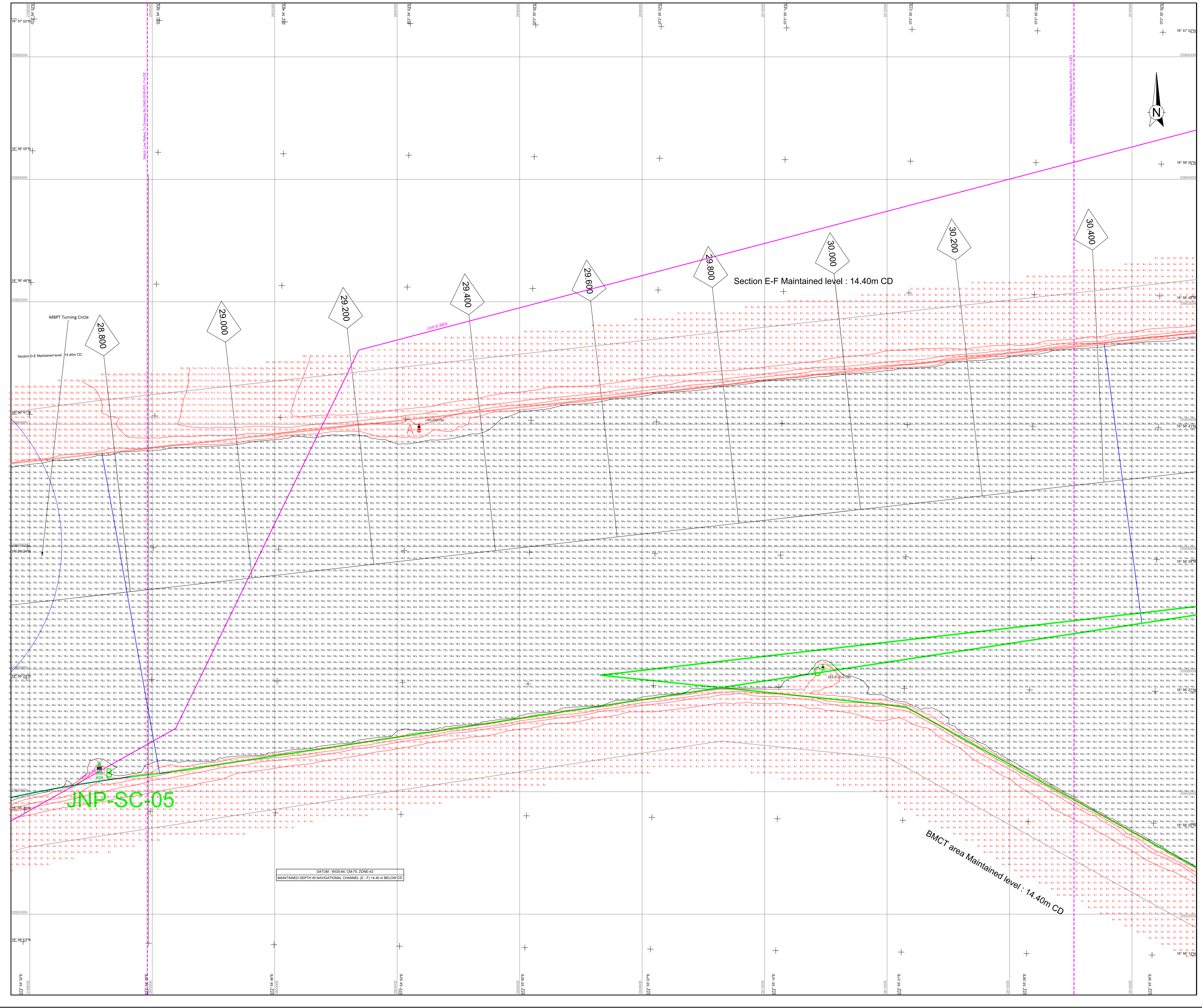


BATHYMETRY CHART



LEGEND:

- GENERAL
- UTM GRID INTERSECTION (WGS84)
- GEOGRAPHICAL GRID INTERSECTION (WGS 84)
- KILOMETRE POST
- MATCH LINE
- TOE LINE OF CHANNEL
- BATHYMETRY
- WATER DEPTH IN METRES & DECIMETRES BELOW CHART DATUM
- BATHYMETRY CONTOUR

BMCT Maintained level: 14.40m (Without Tolerance)
Section E-F Maintained level: 14.40m (Without Tolerance)

- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL 'ME QUEEN'
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTERIX POSITIONING SYSTEM
 - 3) KONGSBERG ECHOLOG MULTIBeam ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY. BPS AND SLURK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM.
 - 5) BENCHMARK AT JNPA LANDING JETTY (BOLLARDS) IS 7.35m ABOVE CHART DATUM. BPTX @ 6.70m, SLURK ROCK @ 5.783m.
 - 6) MOTION SENSOR OCTANUS WAS USED TO COMPENSATE SEA SWELL.
 - 7) SURVEY AREA CO-ORDINATES WERE PROVIDED BY THE CLIENT IN ACAD DRAWING.
 - 8) ALL JETTY POST SURVEYS WERE JOINTLY CARRIED OUT BETWEEN -JNPA, ITO, DO & SDPL.
 - 9) ALL PLOTTED DATA IN 10x10m GRID SIZE.

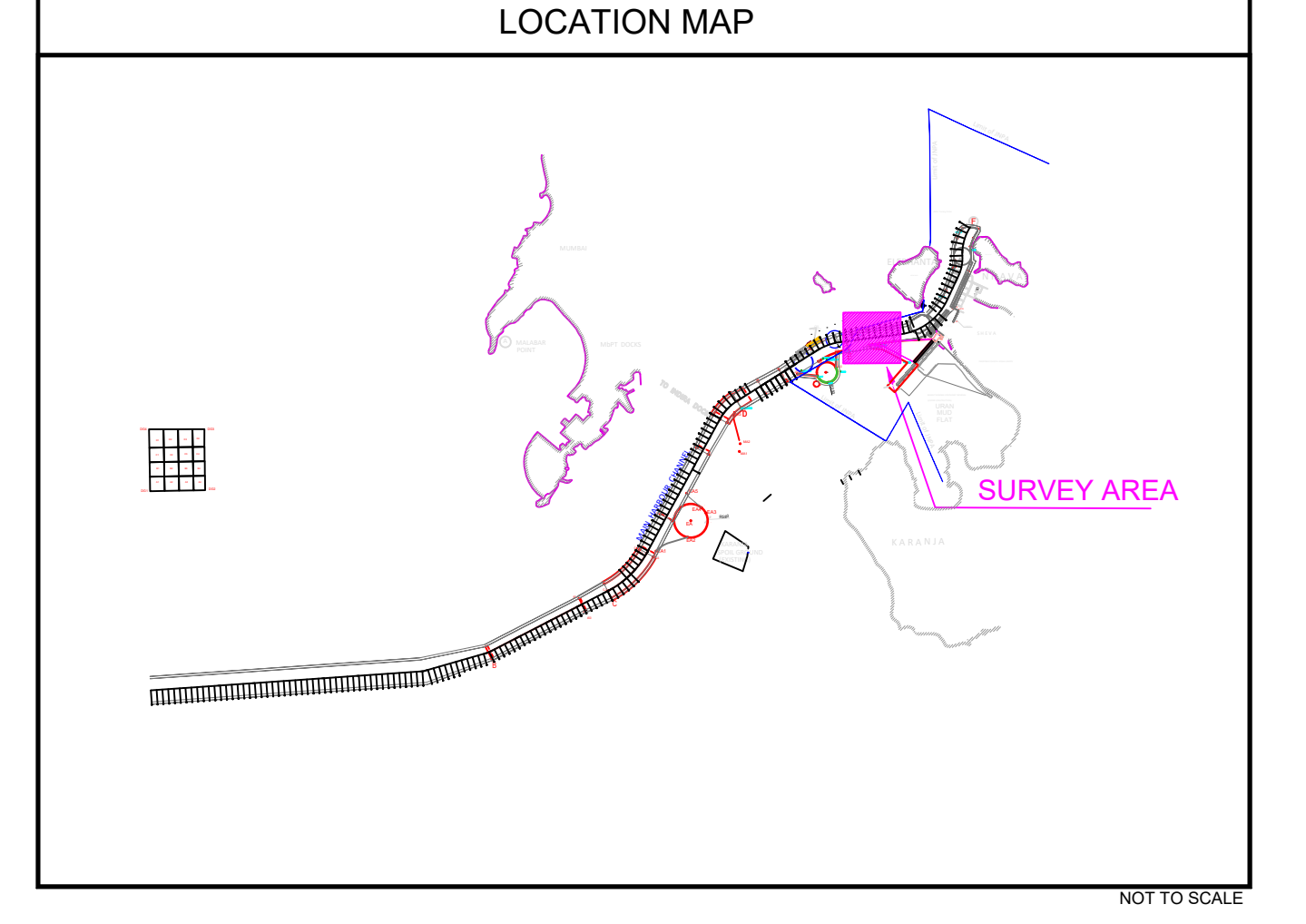
GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	: WGS84
GEODETTIC DATUM	: WGS84
ELLIPSOID	: WGS84
Semi-major axis	: 6378137.000 m
Semi-minor axis	: 6356752.314 m
Inverse flattening	: 298.257249596
PROJECTION	: Universal Transverse Mercator
Central Meridian (CM)	: 75° E (Zone 43)
Latitude of Origin	: 0°
Falshe Easting	: 500000 m
Falshe 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 & MUMBAI PORT CHANNEL WEST COAST OF INDIA
FY 2021-22
BATHYMETRY CHART (BMCT and SECTION E-F)
CHAINAGE 28.800 - 30.000

SCALE
HORIZONTAL SCALE 1 : 2000

Rev. No.: ME QUEEN
Survey Date: 07/05/2022
Authorized Signatory:

Rev. No.	Date	Description	Checked	Approved	Scale	Chart	Block	Issue
0	07-05-2022	Issued For Approval						

Drawing No: 5940.SUR.PLOT-113-EE1
 Chart: EMBCT
 Block: A0
 Issue: A0