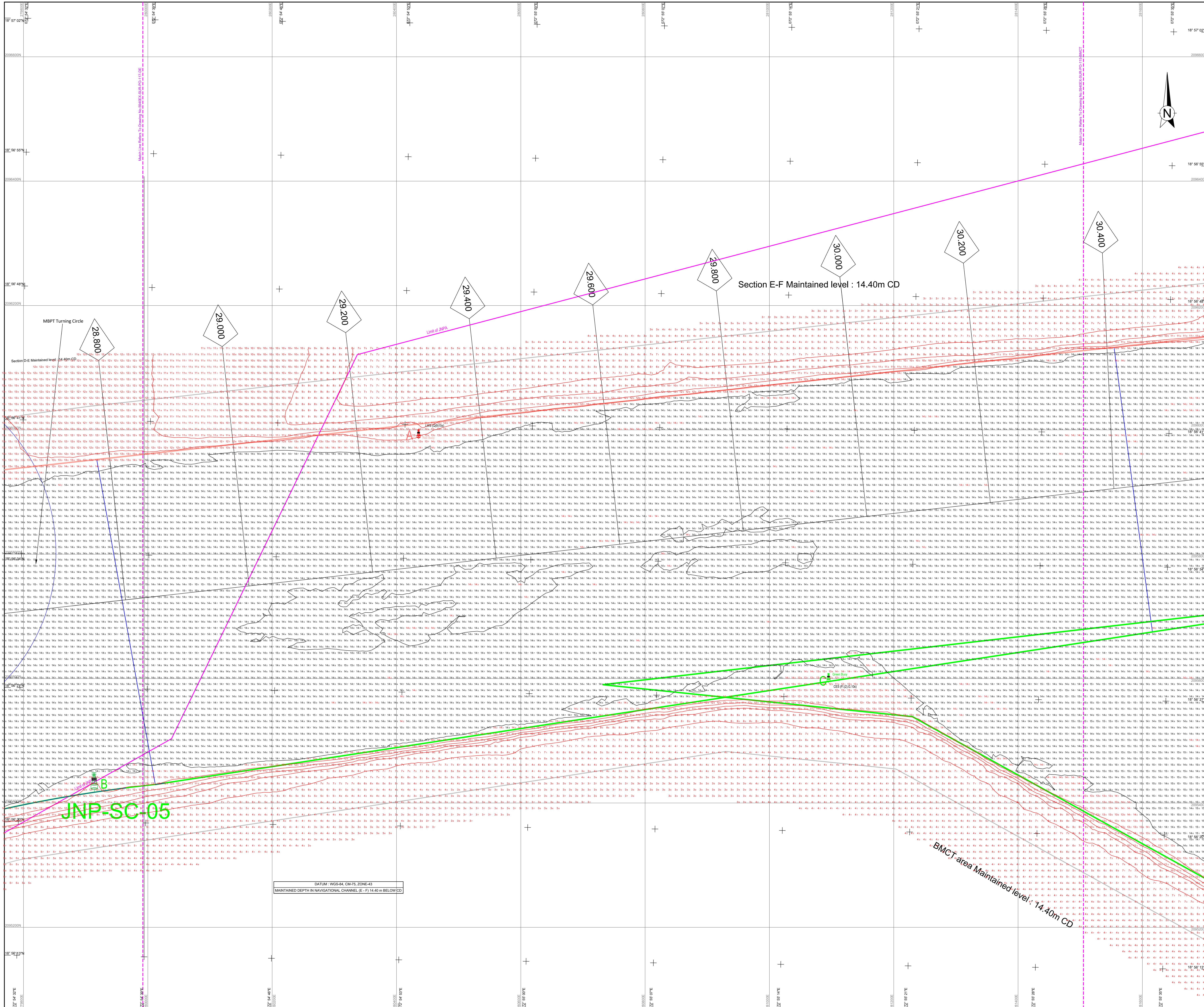


BATHYMETRY CHART



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

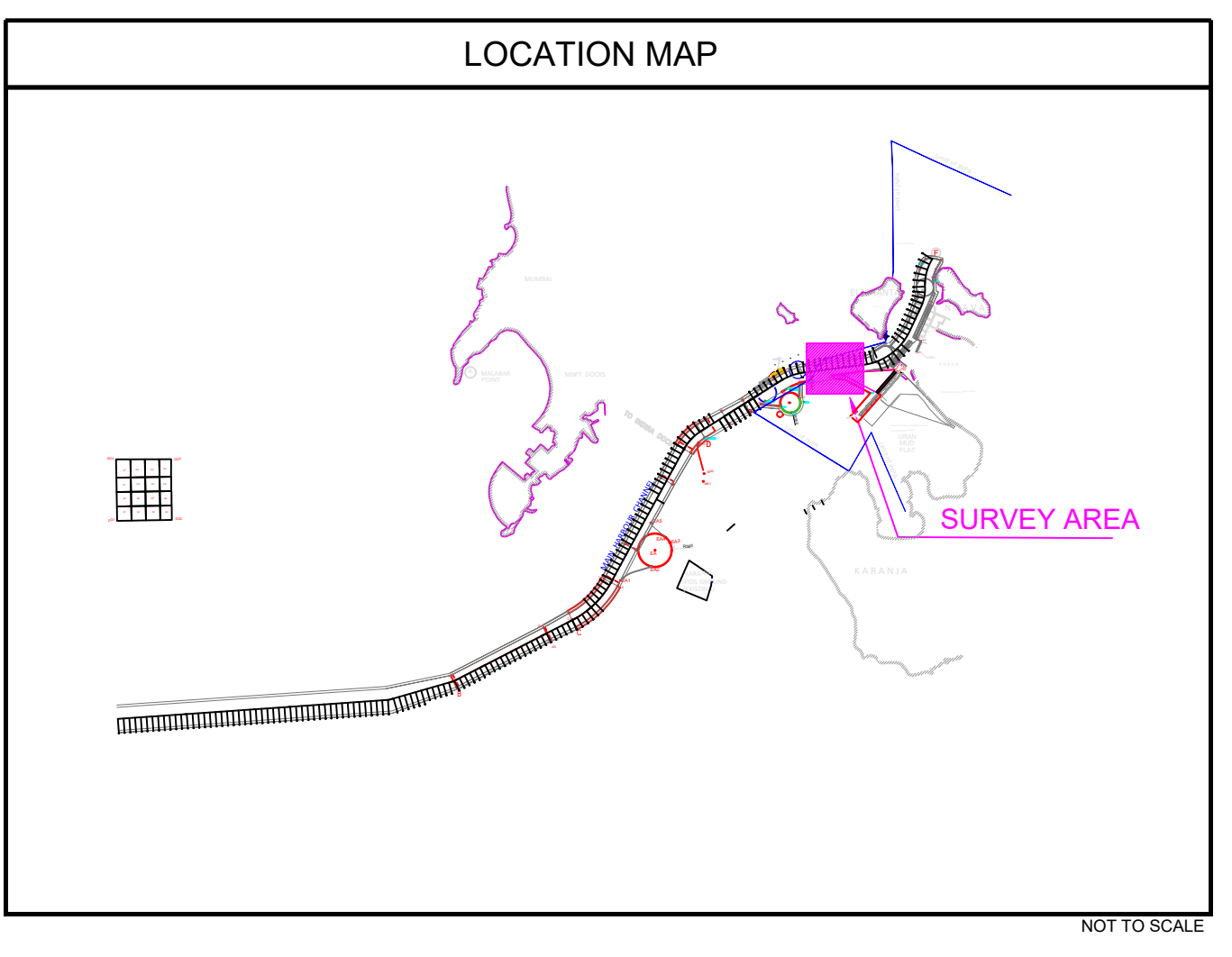
- NOTES:**
- 1) SURVEY WAS CARRIED OUT BY SURVEY VESSEL "ME QUEEN"
 - 2) POSITION FIXING WAS CONTROLLED FROM SEPTENTRIO ASTRONIX POSITIONING SYSTEM
 - 3) KONGBERG EMACAC MULTIBEAM ECHOSOUNDER WAS DEPLOYED TO CARRY OUT MBES SURVEY
 - 4) OBSERVED TIDE FROM AUTOMATIC TIDE GAUGE INSTALLED AT JNPA LANDING JETTY, BFK AND SUNK ROCK WERE USED FOR REDUCING RAW WATER DEPTH TO CHART DATUM
 - 5) BENCH MARK AT JNPA LANDING JETTY (BOLLARD) IS 7.375 m ABOVE CHART DATUM BFX + 6.70m, Sunk Rock + 5.780m.
 - 6) MOTION SENSOR OCTANS WAS USED TO COMPENSATE SEA SWELL
 - 7) SURVEY AREA COORDINATES WERE PROVIDED BY THE CLIENT IN ACD DRAWING.
 - 8) ALL JOINT POST SURVEYS CARRIED OUT JOINTLY BETWEEN: JNPA, NTPCW (ITM), DC & ISDP.
 - 9) ALL PLOTTED DATA IN 10m x 10m GRID SIZE.

GEODETTIC PARAMETERS

HORIZONTAL CO-ORDINATE SYSTEM	WGS84
GEOID 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°
FALLOUT EASTING	500000 m
FALLOUT NORTHING	0 m
SCALE FACTOR AT CM	0.99960

REFERENCE DRAWINGS

Rev. No.	Date	Drawing No.	Description



CLIENT

JAWAHARLAL NEHRU PORT AUTHORITY
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 SHEVA,
 NAVI MUMBAI - 400 707
 Tel.: 022 6781 4156/6781 4154, Fax.: 022 6781 4178

CONSULTANT

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IT MADRAS
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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 (BMCJ AND SECTION E-F)
CHANAGE 28,000 - 30,400

SCALE

HORIZONTAL SCALE 1 : 2000

Version: ME QUEEN
Survey Date: 21st/26th/28th Mar & 01 to 03 Apr 2023
Authorised Signatory:

Rev. No.	Date	Description	Authorised Signatory
0	03-04-2023	Issued For Approval	

Drawing No: 594HEX-SUR-P0-116-E1
Chart: Encd
End: P Size
AD