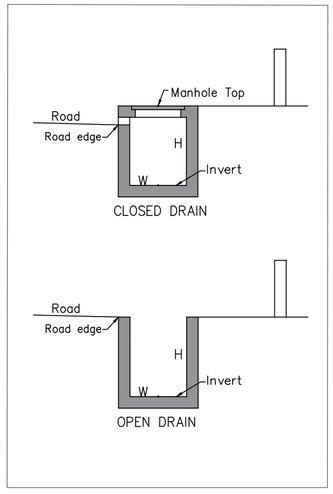
## LIST OF POINTS

| SI No. | MANHOLE ID | DRAIN Closed(C) /Open(O) | MSL LEVEL | | | DRAIN DIMENSIONS | |
|---|---|---|---|---|---|---|---|
| | | | Drain Top(m) | Invert (m) | Road Edge (m) | Width (m) | Depth (m) |
| 1 | A1 | C | 2.710 | 2.509 | 2.768 | 0.601 | 0.051 |
| 2 | A2 | C | 2.785 | 2.534 | 2.995 | 0.601 | 0.051 |
| 3 | A3 | C | 2.857 | 2.148 | 2.806 | 0.701 | 0.051 |
| 4 | A4 | C | 3.334 | 2.333 | 3.058 | 0.701 | 0.850 |
| 5 | A5 | C | 3.530 | 2.629 | 3.342 | 1.001 | 0.650 |
| 6 | A6 | C | 3.511 | 2.710 | 3.561 | 1.001 | 0.550 |
| 7 | A7 | C | 3.334 | 2.533 | 3.319 | 1.101 | 0.350 |
| 8 | A8 | C | 4.293 | 3.492 | 3.944 | 1.001 | 0.550 |
| 9 | A9 | C | 5.674 | 4.773 | 5.637 | 1.001 | 0.650 |
| 10 | A10 | C | 6.505 | 5.587 | 6.332 | 1.001 | 0.750 |
| 11 | A11 | C | 6.384 | 5.986 | 6.277 | 1.001 | 0.800 |
| 12 | A12 | C | 3.078 | 2.077 | 3.094 | 0.701 | 0.650 |
| 13 | A13 | C | 3.327 | 2.526 | 3.278 | 0.701 | 0.550 |
| 14 | A14 | C | 4.013 | 3.115 | 3.931 | 0.701 | 0.400 |
| 15 | A15 | C | 2.792 | 2.191 | 2.816 | 0.701 | 0.350 |
| 16 | A16 | C | 3.015 | 2.214 | 2.953 | 0.701 | 0.550 |
| 17 | A17 | C | 3.482 | 2.381 | 3.514 | 0.901 | 0.650 |
| 18 | A18 | C | 3.864 | 2.814 | 3.813 | 1.001 | 0.899 |
| 19 | A19 | C | 3.946 | 2.945 | 3.899 | 1.001 | 0.750 |
| 20 | A20 | C | 4.354 | 3.090 | 4.120 | 1.001 | 0.600 |
| 21 | A21 | C | 3.361 | 2.560 | 3.276 | 0.901 | 0.550 |
| 22 | A22 | C | 3.474 | 2.673 | 3.307 | 0.901 | 0.550 |
| 23 | A23 | C | 3.153 | 2.235 | 3.064 | 0.901 | 0.550 |
| 24 | A24 | C | 3.432 | 2.231 | 3.454 | 0.901 | 0.750 |
| 25 | B1 | C | 3.208 | 2.007 | 3.029 | 1.001 | 0.850 |
| 26 | B2 | C | 4.843 | 3.742 | 4.791 | 1.001 | 0.751 |

LEGEND

- Drain Outlet
- Drain With Reverse Gradient
- "–" : Manhole's Inside not Accessible

KEY PLAN




SCALE 1 : 5,000

250m 200 150 100 50 0 250 500m

1CM=50m

PROJECTION:
The metric grid on this sheet is the UTM grid, Zone 44 N, WGS 84 Spheroid, M.S.L. Datum. All Dimensions are in Metres.

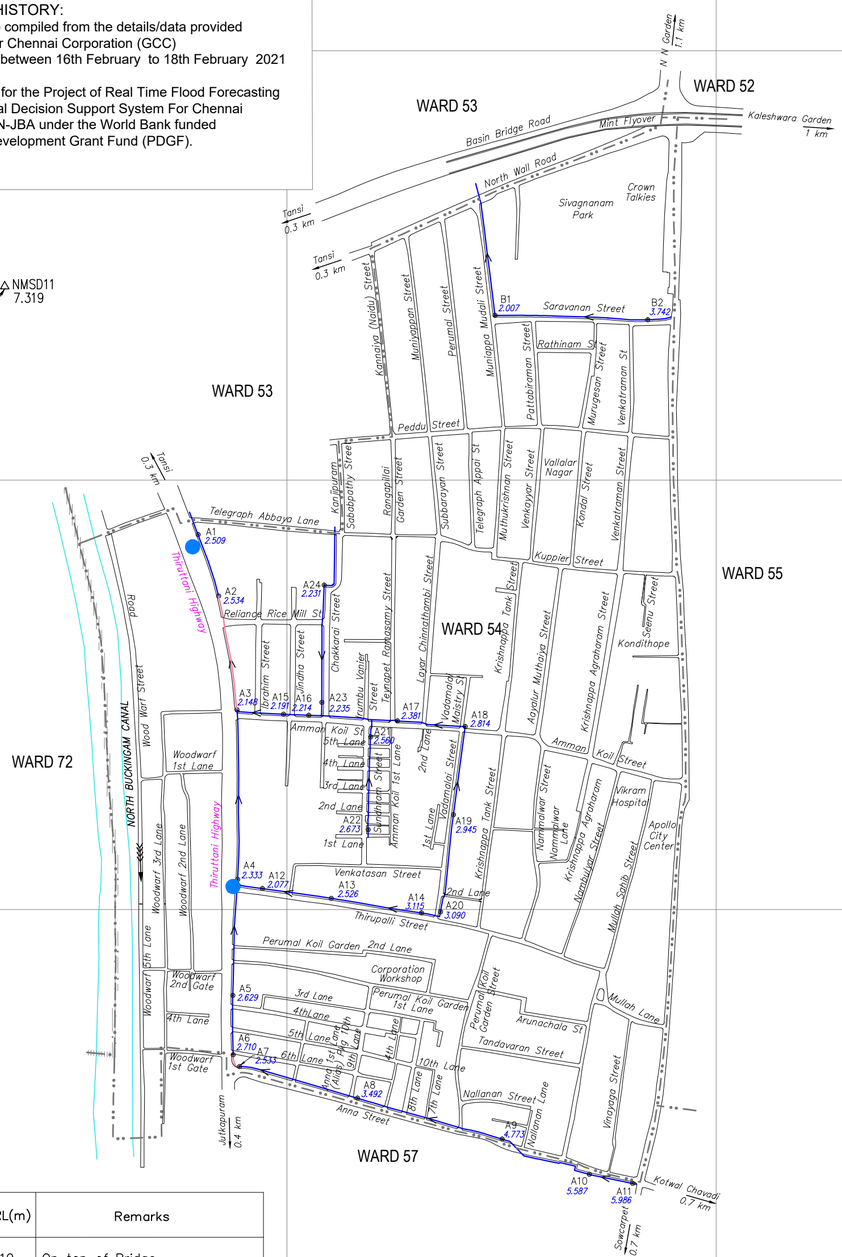
WARNING:
This Map is not to be published, copied or reproduced in part or in whole either by photography or by any other means; should be kept in safe custody and handled by authorised persons only.

SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC) Surveyed between 16th February to 18th February 2021

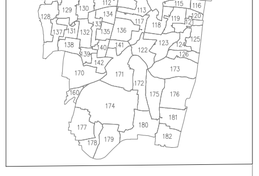
Produced for the Project of Real Time Flood Forecasting and Spatial Decision Support System For Chennai by SECON-JBA under the World Bank funded Project Development Grant Fund (PDGF).

NMSD11 7.319

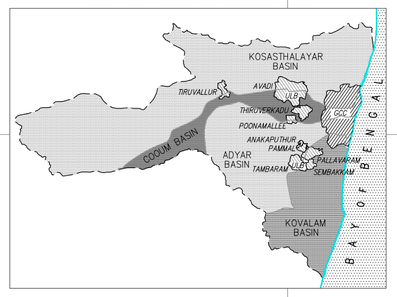
NMSD11 13°06'13.492"N 80°16'22.045"E




WARDS OF GCC AREA



INDEX OF GCC & ULB's AREA




LIST OF CONTROL POINTS

| Sl. No. | Point No. | Latitude | Longitude | Easting(m) | Northing(m) | MSL RL(m) | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | NMSD11 | 13°06'13.492"N | 80°16'22.045"E | 421171.389 | 1448722.275 | 7.319 | On top of Bridge |

Roads: main; others; mud. Cart track.

Temple. Chhatri. Shrine. Mosque. Idgah. Tomb. Church.

Railways: broad gauge with station; bridge; metro.

Boundary: state; district; taluk.

Boundary: CMA; zone; ward.

Roads: without drain; with oneside drain; with both side drain.

Road with reverse gradient drain.

Spaced names: locality; village. A L W A R P E T Kolathur

Drains: stormwater; feeder with flow direction. Invert level.

Canal. Outlet.Inundated area by privious flood,.

Bridge with piers. Culvert. Flyover. Subway. Sewage line.

River:dry with water channel; with island & rocks.Tidal river.

Streams: perennial; non perennial; Single line: defined. Tank.

Rain water Harvesting.Stormwater pumping station.

| | | | |
|---|---|---|---|
| CLIENT | GREATER CHENNAI CORPORATION (GCC)<br>REPRESENTING COMMISSIONERATE OF REVENUE ADMINISTRATION AND DISASTER MANAGEMENT | | |
| FUNDED BY | PROJECT DEVELOPMENT GRANT FUND (PDGF)<br>(Managed by Tamil Nadu Urban Infrastructure Financial Services Limited) | | |
| PROJECT | PLANNING, SETTING UP AND OPERATIONALIZING REAL TIME FLOOD FORECASTING SPATIAL DECISION SUPPORT SYSTEM FOR CHENNAI | | |
| TITLE | BASE MAP - STORM WATER DRAIN<br>WARD No. 54, ZONE V - ROYAPURAM | | |
| PROJECT CONSULTANTS | SECON - JBA Consulting<br>(India) (U.K.) JV | | |
| SHEET No.<br>91 OF 114 | SCALE<br>1:5000 | DRAWING No.<br>CFM/SWD/WARD–91 | REV.<br>0 |