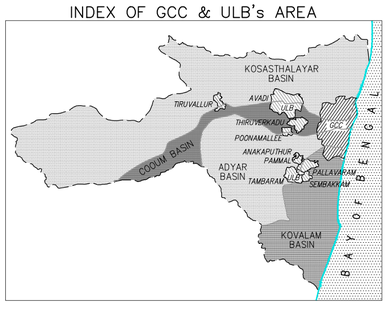
LIST OF POINTS

Sl No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL Drain Top(m)	Invert (m)	Road Edge (m)	DRAIN DIMENSIONS Width (m)	Depth (m)
1	A1 (OL)	C	5.971	5.069	5.883	1.001	0.740
2	A2	C	6.527	5.595	6.482	1.005	0.777
3	A3	C	5.855	4.805	5.716	0.901	0.669
4	B1 (OL)	C	5.481	3.876	5.547	1.501	0.702
5	B2	C	5.996	4.746	5.703	0.853	0.455
6	B3	C	5.563	4.358	5.634	1.102	1.049
7	B4	C	6.059	4.457	5.946	1.110	0.581
8	B5	C	6.248	4.595	6.137	1.119	0.541
9	B6	C	6.197	4.589	6.223	1.100	0.608
10	B7	C	6.409	4.516	6.294	1.955	1.625
11	B8	C	6.153	5.097	6.040	0.956	0.265
12	B9	C	6.231	5.221	6.141	1.062	0.804
13	B10	C	6.599	5.569	6.499	0.605	0.548
14	B11	C	6.844	5.186	6.667	1.405	0.977
15	B12	C	6.892	6.067	6.841	0.716	0.667
16	B13	C	6.853	6.232	6.767	0.695	0.456
17	B14	C	6.948	6.127	6.875	0.803	0.659
18	B15	C	7.048	5.866	6.796	1.071	0.830
19	B16	C	7.325	6.119	7.181	1.082	0.804
20	B17	C	6.752	5.971	6.716	0.710	0.530
21	B18	C	6.782	5.629	6.703	1.458	0.538
22	B19	C	7.268	6.358	7.262	1.301	0.302
23	B20	C	7.304	6.142	7.221	0.601	0.642
24	B21	C	7.212	5.791	7.064	0.608	0.720
25	B22	C	7.346	5.815	7.138	0.608	0.665
26	B23	C	6.874	5.324	6.651	1.310	0.835
27	B24	C	7.348	5.897	7.148	1.255	0.243
28	B25	C	8.167	7.386	8.021	0.689	0.150
29	B26	C	6.242	5.190	5.965	0.821	0.249
30	B27	C	7.552	–	7.514	–	–
31	B28	C	5.661	4.610	5.600	0.792	0.598
32	B29	C	6.048	5.367	6.020	0.503	0.422
33	B30	C	5.304	4.594	5.286	0.807	0.548
34	B31	C	5.745	4.664	5.729	0.810	0.925
35	B32	C	5.638	4.787	5.535	0.902	0.645
36	B33	C	5.971	5.812	5.818	–	0.159
37	C1	C	5.536	4.355	5.646	0.805	0.973
38	D1 (OL)	C	7.051	5.846	6.820	0.803	0.897
39	D2	C	6.610	5.679	6.478	0.653	0.510
40	D3	C	6.739	–	6.741	–	–
41	E1 (OL)	C	6.506	5.499	6.558	0.653	0.848
42	E2	C	6.437	5.484	6.412	0.662	0.570
43	E3	C	6.881	6.260	6.628	0.657	0.200
44	F1 (OL)	C	6.699	5.668	6.781	0.601	0.796
45	F2	C	6.810	–	6.758	–	–
46	F3	C	6.863	6.002	6.947	0.805	0.580

LEGEND

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

INDEX OF GCC & ULB's AREA



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This Map is not to be published, copied or reproduced in part or in whole either by photography or by any other means; should be kept in safe custody and handled by authorised persons only.

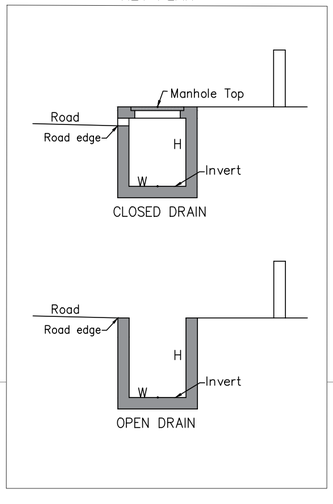
SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC)
Surveyed between 23th January to 24th January 2021

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).

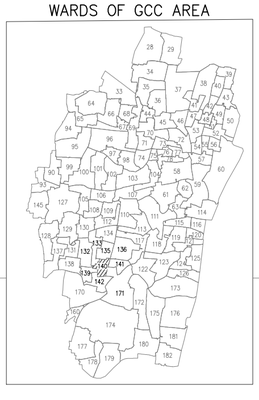
Control Point Located on Ward–138

T158A 13°01'38.583"N 80°12'32.139"E

KEY PLAN



WARDS OF GCC AREA



LIST OF CONTROL POINTS

Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T158A	13°01'38.583"N	80°12'32.139"E	414221.994	1440297.552	6.00	On top of Tiles Plate

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. *ALWARPET* *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) REPRESENTING COMMISSIONERATE OF REVENUE ADMINISTRATION AND DISASTER MANAGEMENT
FUNDED BY	PROJECT DEVELOPMENT GRANT FUND (PDGF) (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 WARD No. 140, ZONE X - KODAMBAKKAM
PROJECT CONSULTANTS	SECON (India) - JBA Consulting (U.K.) JV
SHEET No. 48 OF 114	SCALE 1:5000
DRAWING No.	CFM/SWD/WARD–48
REV.	0