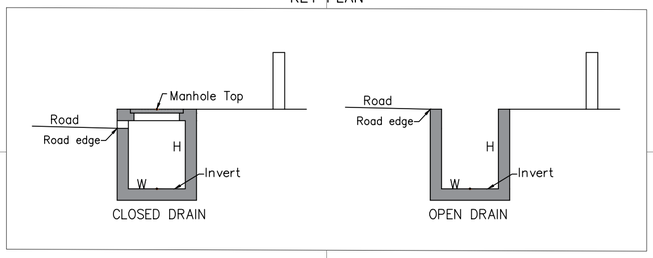
LIST OF POINTS

Sl 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 (OL)	C	9.028	6.365	8.800	0.920	1.453
2	A2	C	8.584	7.826	8.441	0.890	0.667
3	A3	C	10.508	9.451	10.504	0.730	0.637
4	A4	C	–	–	–	–	–
5	B1 (OL)	C	9.289	8.366	8.983	1.100	0.693
6	B2	C	9.758	9.016	9.616	1.090	0.512
7	B3	C	10.020	9.062	9.900	1.100	0.698
8	B4	C	10.018	9.030	9.966	1.100	0.678
9	C1 (OL)	C	9.380	8.490	8.953	1.060	0.660
10	C2	C	9.790	8.759	9.461	1.090	0.801
11	C3	C	10.233	9.102	10.010	1.100	0.841
12	C4	C	10.158	9.254	10.154	1.110	0.544
13	D1 (OL)	C	9.253	8.032	9.190	1.310	0.950
14	D2	C	9.971	8.753	9.807	0.830	0.627
15	D3	C	9.666	8.603	9.598	1.120	0.753
16	D4	C	9.905	9.105	9.909	0.820	0.590
17	D5	C	10.016	9.525	9.758	1.200	0.061
18	D24	C	8.127	7.569	8.115	0.622	0.416
19	E1	C	9.665	8.403	9.095	1.134	1.022
20	E2	C	9.464	8.280	8.936	1.121	0.934
21	E3	C	9.319	8.354	8.867	1.180	0.795
22	F1 (OL)	C	5.568	4.709	5.215	0.732	0.479
23	F2	C	5.737	4.863	5.460	0.753	0.472
24	F3	C	5.708	4.865	5.531	0.792	0.563
25	F4	C	6.102	5.326	5.886	0.730	0.411
26	F5	C	6.422	5.441	6.298	0.784	0.871
27	F6	C	6.626	5.801	6.550	0.952	0.665
28	F7	C	6.681	5.461	6.673	0.923	1.060
29	G1	C	8.989	6.347	8.992	0.632	1.100
30	G2	C	8.839	7.301	8.958	1.582	0.486
31	G3	C	8.652	7.078	8.525	1.632	0.853
32	G4	C	8.798	7.301	8.447	1.612	1.008
33	G5	C	8.833	7.356	8.617	0.745	0.817
34	G6	C	9.495	8.775	9.506	0.752	0.499
35	G7	C	9.448	8.850	9.415	0.652	0.357
36	G8	C	9.706	9.381	9.600	0.642	0.123
37	G9	C	9.572	8.021	9.343	0.760	0.721
38	G10	C	9.928	9.024	9.754	0.668	0.194
39	G11	C	9.822	9.634	9.822	0.750	0.038
40	G12	C	9.924	9.722	9.909	0.720	0.022
41	G13	C	9.976	9.530	9.795	0.720	0.276
42	G14	C	9.822	9.530	9.795	0.730	0.102
43	G15	C	10.016	9.310	9.839	0.690	0.336
44	G16	C	9.995	9.239	10.060	0.690	0.166
45	G17	C	10.052	9.254	9.968	0.690	0.608
46	G18	C	10.358	9.525	10.157	0.130	0.623
47	G19	C	10.358	9.525	10.157	0.130	0.623
48	G20	C	8.468	7.747	8.265	0.910	0.391
49	G21	C	8.379	7.497	8.216	0.921	0.500
50	G22	C	8.286	7.303	8.192	0.921	0.860
51	G23	C	8.111	7.397	8.098	0.621	0.569
52	G25	C	8.330	7.232	8.209	0.707	0.616
53	G26	C	8.636	7.139	8.482	0.612	1.367
54	G27	C	8.806	8.583	8.670	0.681	0.091
55	G28	C	8.819	6.695	8.775	0.921	0.890
56	G29	C	8.495	7.704	8.284	0.921	0.461
57	G30	C	8.429	7.395	8.285	0.878	0.611
58	G31	C	8.720	7.131	8.587	0.956	1.433
59	G32	C	8.791	7.039	8.692	0.621	0.891
60	G33	C	9.350	8.531	9.288	0.550	0.709
61	G34	C	9.494	8.966	9.330	0.690	0.398
62	G35	C	9.725	9.129	9.594	0.656	0.466
63	G36	C	8.648	7.227	8.482	0.565	0.767
64	G37	C	7.985	7.354	7.761	0.190	0.469
65	G38	C	8.287	7.531	8.085	0.662	0.626
66	G39	C	8.333	7.800	8.137	0.734	0.401
67	G40	C	8.244	7.640	8.111	0.773	0.514
68	G41	C	8.499	7.746	8.436	0.780	0.273
69	G42	C	9.588	8.252	9.391	0.730	0.944
70	G43	C	9.200	8.193	9.035	0.779	0.475
71	G44	C	9.154	7.464	8.992	1.120	1.234
72	G45	C	9.186	7.324	8.941	0.930	0.832
73	G46	C	9.186	7.324	8.941	0.930	0.832

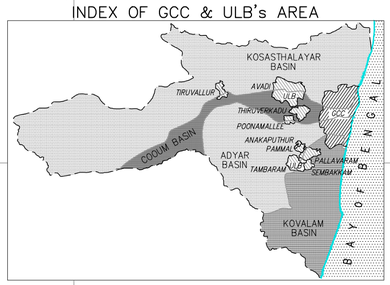
LEGEND

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

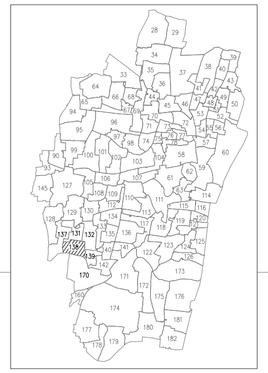
KEY PLAN



INDEX OF GCC & ULB's AREA

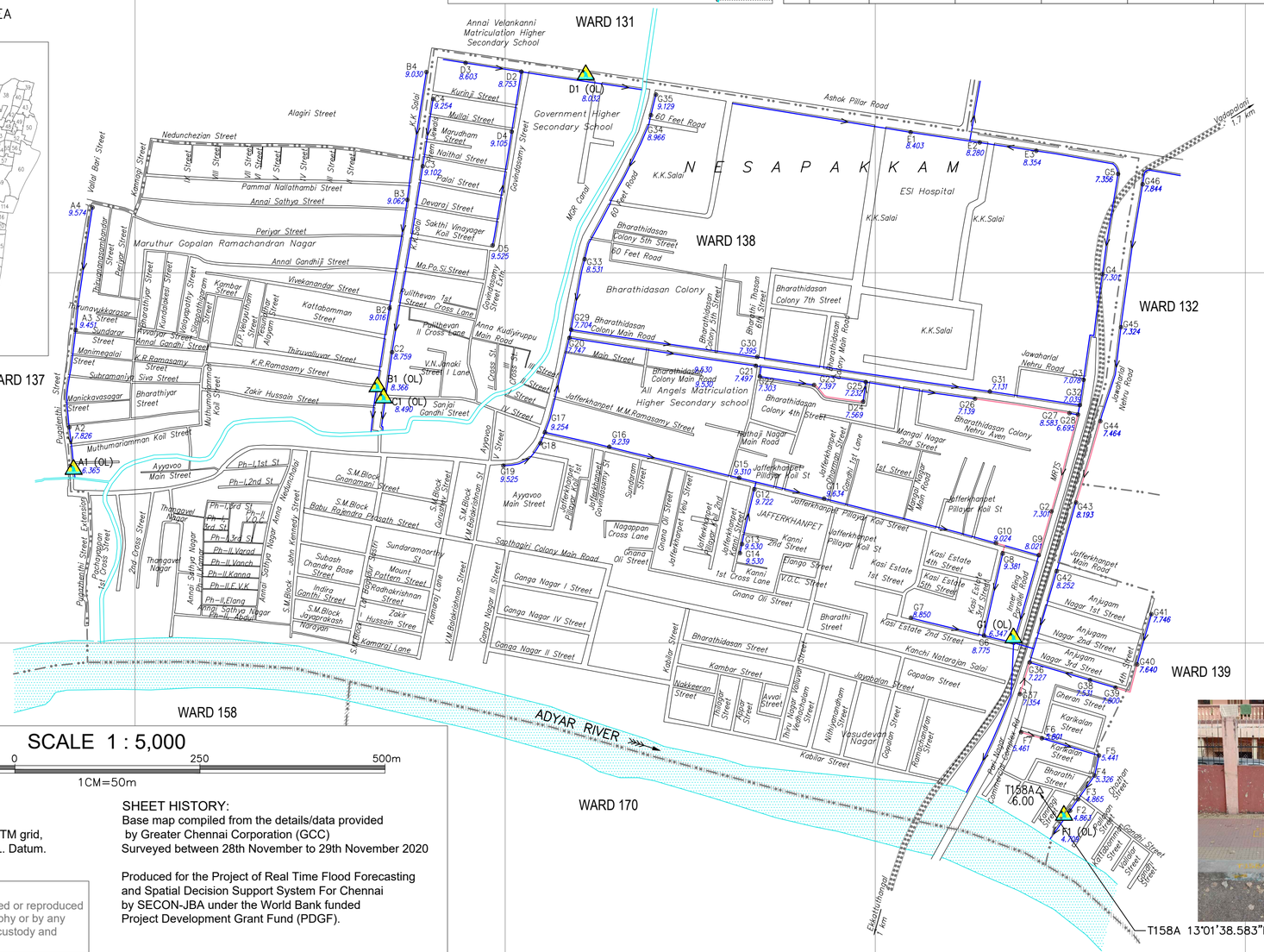


WARDS OF GCC AREA



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



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.

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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC)
Surveyed between 28th November to 29th November 2020

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).

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) 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. 138, ZONE X - KODAMBAKKAM
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 3 OF 114	SCALE 1:5000
DRAWING No.	CFM/SWD/WARD–3
REV.	0