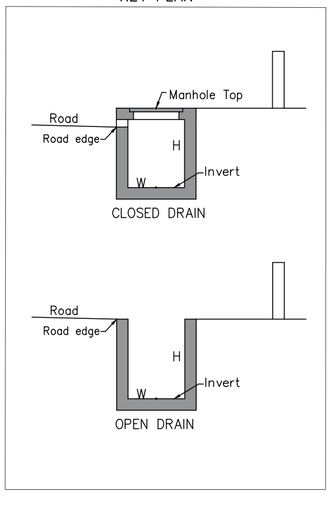
LIST OF POINTS

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	C	7.537	6.937	7.496	0.500	0.240
2	A2	C	7.590	6.490	7.336	1.080	0.850
3	B1	C	7.582	6.782	7.460	1.100	0.520
4	B2	C	7.634	6.244	7.411	1.100	0.990
5	B3	C	7.879	7.129	7.627	1.020	0.450
6	B4	C	7.961	6.981	7.745	1.000	0.700
7	B5	C	8.023	7.273	7.797	1.020	0.450
8	B6	C	8.125	7.005	7.855	0.950	0.920
9	B7	C	8.172	–	7.879	–	–
10	C1	C	7.854	6.754	7.684	1.150	0.400
11	C2	C	8.405	7.325	8.189	0.650	0.280
12	C3	C	7.876	7.426	7.809	0.600	0.280
13	C4	C	8.097	7.147	7.966	0.650	0.580
14	C5	C	8.939	7.889	8.745	0.850	0.710
15	C6	C	7.907	6.757	7.852	0.740	0.730
16	C7	C	8.174	7.324	8.094	0.700	0.660
17	C8	C	8.382	7.232	8.425	0.800	0.750
18	C9	C	8.214	6.784	8.026	1.000	1.140
19	C10	C	8.202	7.262	7.927	0.760	0.720
20	C11	C	8.730	7.480	8.407	1.020	0.650
21	C12	C	8.576	7.826	8.418	1.100	0.360
22	C13	C	8.371	7.401	8.322	0.650	0.680
23	C14	C	8.784	7.734	8.507	1.000	0.710
24	C15	C	8.781	6.981	8.500	0.750	1.360
25	C16	C	8.748	7.448	8.598	1.070	0.970
26	C17	C	8.474	7.694	8.268	1.100	0.340
27	C18	C	8.537	7.437	8.247	0.750	0.810
28	C19	C	8.388	7.438	8.362	0.730	0.610
29	C20	C	8.686	7.556	8.491	0.670	0.780
30	C21	C	8.931	7.881	8.670	0.820	0.650
31	C22	C	8.352	7.322	8.162	0.690	0.650
32	C23	C	8.683	7.443	8.502	0.800	0.860
33	C24	C	8.853	7.693	8.603	0.630	0.830
34	C25	C	8.469	7.089	8.191	1.200	0.950
35	C26	C	8.232	7.262	8.226	1.000	0.770
36	C27	C	8.589	7.369	8.475	1.200	0.880
37	C28	C	8.682	7.352	8.572	1.100	0.930
38	C29	C	8.798	7.598	8.598	1.250	0.840
39	C30	C	8.660	7.510	8.440	0.956	0.698
40	C31	C	8.482	7.482	8.368	1.000	0.680
41	C32	C	8.368	7.418	8.396	0.970	0.730
42	C33	C	8.537	7.537	8.479	0.980	0.780
43	C34	C	8.678	7.678	8.639	1.000	0.620
44	C35	C	8.574	7.834	8.650	1.000	0.360
45	C36	C	8.409	7.859	8.517	0.800	0.320
46	C37	C	8.482	7.652	8.543	0.750	0.620
47	C38	C	8.938	7.818	8.706	0.760	0.600
48	C39	C	8.823	–	8.788	–	–
49	C40	C	8.901	–	8.851	–	–
50	C41	C	8.530	7.730	8.383	0.780	0.260
51	C42	C	8.558	7.338	8.424	0.800	0.670
52	C43	C	8.639	8.439	8.639	0.780	0.200
53	C44	C	8.559	7.429	8.437	0.740	0.590
54	C45	C	8.745	8.205	8.517	0.630	0.010
55	D1	C	8.277	6.877	8.109	0.960	0.670
56	D2	C	8.447	7.397	8.218	1.280	0.450
57	D3	C	8.823	8.143	8.677	0.850	0.170
58	D4	C	8.830	8.060	8.771	0.650	0.330
59	D5	C	8.627	7.927	8.570	0.900	0.370
60	D6	C	8.593	7.473	8.610	0.950	0.790
61	D7	C	8.612	7.962	8.414	0.600	0.050
62	D8	C	8.882	7.742	8.608	0.750	0.380
63	D9	C	8.638	7.888	8.540	0.700	0.200
64	D10	C	8.986	8.036	8.717	0.700	0.190
65	D11	C	8.302	7.162	8.123	0.950	0.790
66	D12	C	8.428	7.888	8.334	1.000	0.260
67	D13	C	8.821	7.721	8.523	0.680	0.800
68	D14	C	8.766	7.716	8.501	0.950	0.760
69	D15	C	8.576	7.796	8.566	0.670	0.450
70	D16	C	8.779	7.939	8.662	0.630	0.190
71	D17	C	8.949	7.299	8.627	0.700	0.850
72	D18	C	8.769	8.119	8.489	0.650	0.330
73	D19	C	8.328	7.398	8.185	0.700	0.450
74	D20	C	8.442	7.692	8.218	0.700	0.430
75	D21	C	8.493	7.613	8.342	0.680	0.650
76	D22	C	8.715	7.675	8.558	0.680	0.890
77	D23	C	8.318	7.078	8.179	0.800	0.820
78	D24	C	8.488	7.818	8.349	0.650	0.520
79	D25	C	8.543	7.543	8.316	0.640	0.720
80	D26	C	8.649	7.709	8.706	0.640	0.690
81	E1	C	8.901	7.796	8.607	0.921	0.905
82	E2	C	9.420	8.364	9.163	0.705	0.435
83	E3	C	9.579	–	9.441	–	–
84	E4	C	10.186	9.183	10.000	0.725	0.552
85	E5	C	10.150	8.699	9.988	0.765	0.501
86	E6	C	9.659	8.254	9.441	0.967	1.200
87	E7	C	9.438	8.637	9.254	0.765	0.626
88	E8	C	9.109	8.358	9.024	0.720	0.570
89	E9	C	9.289	7.984	9.144	0.931	0.940
90	E10	C	9.020	7.915	9.028	0.951	0.780
91	E11	C	8.853	8.002	8.857	0.921	0.499
92	E12	C	8.891	8.196	8.898	0.721	0.514

LEGEND

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

KEY PLAN



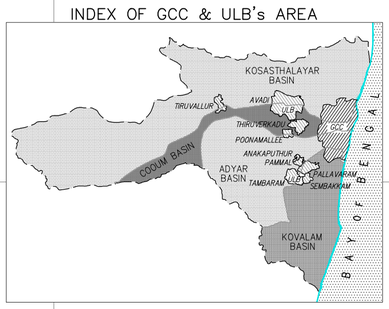
LIST OF CONTROL POINTS

Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T141	13°03'14.215"N	80°13'35.667"E	416144.509	1443229.554	9.38	On top of RCC Basement

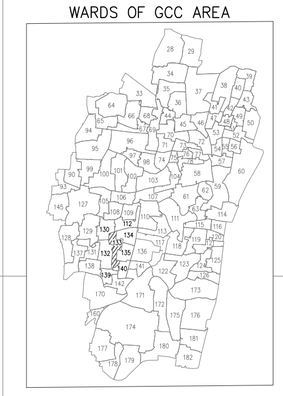
Control Point Located on Ward–112

S11 13°01'11.363"N 80°15'45.845"E

INDEX OF GCC & ULB's AREA



WARDS OF GCC 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.

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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC) Surveyed between 19th January to 23th 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).

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.

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. 133, ZONE X - KODAMBAKKAM
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 51 OF 114	SCALE 1:5000
DRAWING No.	CFM/SWD/WARD–51
REV.	0