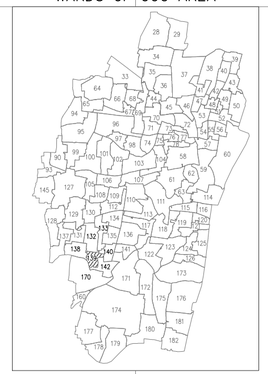
LIST OF POINTS

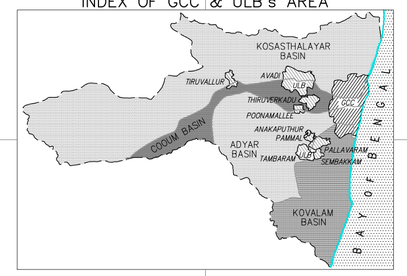
SI No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	5.556	4.638	5.171	0.605	0.608
2	A2	C	5.753	5.058	5.516	0.901	0.371
3	A3	C	6.249	5.404	6.243	0.594	0.658
4	B1 (OL)	C	4.931	3.762	5.049	1.501	0.788
5	B2	C	5.389	4.398	5.097	0.920	0.291
6	B3	C	5.517	4.484	5.538	0.850	0.833
7	B4	C	6.033	5.022	5.906	0.800	0.861
8	B5	C	7.112	5.638	6.958	0.800	0.824
9	B6	C	7.422	5.973	7.297	0.800	0.499
10	B7	C	7.460	6.143	7.313	0.800	0.567
11	B8	C	7.703	6.677	7.651	0.750	0.376
12	C1 (OL)	C	4.568	3.111	4.705	0.755	0.756
13	C2	C	5.147	4.083	4.906	0.850	0.814
14	C3	C	5.560	4.763	5.530	0.850	0.587
15	C4	C	5.836	5.112	5.702	0.900	0.524
16	D1 (OL)	C	5.220	4.776	5.298	0.800	0.244
17	D2	C	5.225	4.458	5.137	0.800	0.607
18	D3	C	5.542	5.191	5.428	0.800	0.201
19	D4	C	5.882	5.407	5.705	0.800	0.295
20	E1 (OL)	C	7.739	–	7.726	–	–
21	E2	C	7.592	6.337	7.533	0.750	0.605
22	E3	C	9.049	6.509	8.901	1.650	0.335
23	E4	C	9.060	6.756	8.821	1.000	2.104
24	E5	C	9.304	7.186	9.098	1.000	0.918
25	E6	C	8.984	7.887	9.009	0.723	1.097
26	E7	C	9.321	8.686	9.010	0.620	0.314
27	E8	C	9.260	7.966	8.970	0.712	0.782
28	E9	C	7.439	6.766	7.258	0.998	0.365
29	E10	C	7.319	6.851	7.274	0.895	0.218
30	E11	C	7.274	6.644	7.511	0.805	0.328
31	E12	C	7.813	7.475	7.726	0.801	0.338
32	E13	C	7.744	6.523	7.460	0.851	0.795
33	E14	C	7.816	6.722	7.585	0.810	0.679
34	E15	C	7.652	6.743	7.646	0.720	0.727
35	E16	C	7.717	7.042	7.588	0.856	0.540
36	E17	C	7.755	6.876	7.669	0.810	0.567
37	E18	C	8.574	7.092	8.258	0.710	0.330
38	E19	C	8.314	6.905	8.161	0.593	1.211
39	E20	C	8.488	7.206	8.354	0.695	1.076
40	E21	C	8.274	7.432	8.137	0.721	0.479
41	E22	C	8.347	7.064	8.273	0.681	0.681
42	E23	C	8.432	7.931	8.465	0.705	0.116
43	E24	C	8.055	7.276	8.049	0.700	0.379
44	E25	C	8.567	6.121	8.480	0.800	2.196
45	E26	C	7.645	6.543	7.506	0.700	0.652
46	E27	C	7.869	7.272	7.625	0.700	0.147
47	E28	C	8.205	6.417	7.932	0.800	1.588
48	E29	C	7.857	7.435	7.696	0.800	0.222
49	F1	C	8.500	7.553	8.490	0.598	0.522
50	F2	C	8.343	7.333	8.283	0.615	0.697
51	F3	C	8.041	7.194	7.902	0.608	0.658
52	F4	C	8.486	6.989	8.453	0.756	1.339
53	F5	C	8.257	7.106	8.288	0.710	0.996
54	F6	C	8.173	7.299	8.118	0.655	0.739
55	F7	C	8.149	7.185	8.044	0.712	0.644
56	F8	C	8.077	7.244	8.003	0.651	0.552
57	F9	C	8.028	7.429	7.931	0.996	0.248
58	F10	C	8.007	7.370	7.821	0.612	0.485
59	F11	C	8.132	7.746	8.037	0.618	0.251
60	F12	C	8.461	7.292	8.444	0.621	0.537
61	F13	C	8.682	7.393	8.428	0.658	0.608
62	F14	C	8.242	7.410	8.112	0.629	0.673
63	F15	C	8.514	7.537	8.372	0.705	0.667
64	F16	C	8.538	7.541	8.423	0.745	0.196
65	F17	C	8.556	7.326	8.484	0.753	0.425
66	F18	C	8.835	8.074	8.662	0.681	0.336
67	F19	C	8.624	7.504	8.551	0.688	0.966
68	F20	C	8.283	7.701	8.309	0.793	0.385
69	G1 (OL)	C	7.296	6.777	7.514	0.721	0.326
70	H1 (OL)	C	7.556	6.365	7.516	1.153	0.741
71	H2	C	8.095	5.679	7.980	1.139	2.211
72	H3	C	7.957	7.321	8.041	1.094	0.440
73	H4	C	8.367	7.161	8.070	0.773	1.008
74	I1	C	7.808	7.083	7.780	1.132	0.540
75	I2	C	7.951	7.559	7.865	1.013	0.264
76	I3	C	8.033	7.401	7.888	0.810	0.479

T158A 13°01'38.583"N 80°12'32.139"E

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.

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 29th November to 8th December 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. 139, ZONE X - KODAMBAKKAM
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 13 OF 114	SCALE 1:5000
DRAWING No.	CFM/SWD/WARD–13
REV.	0