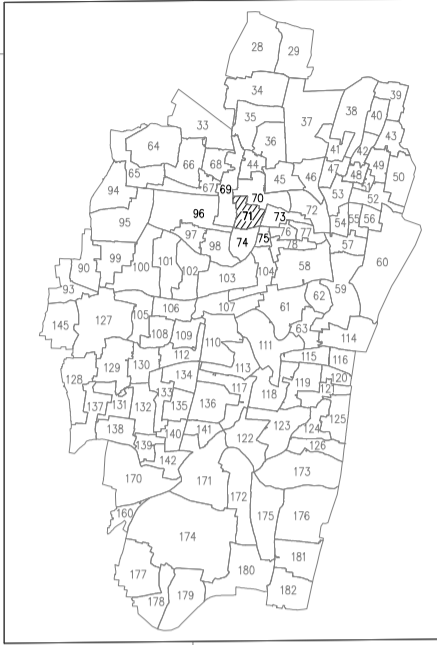


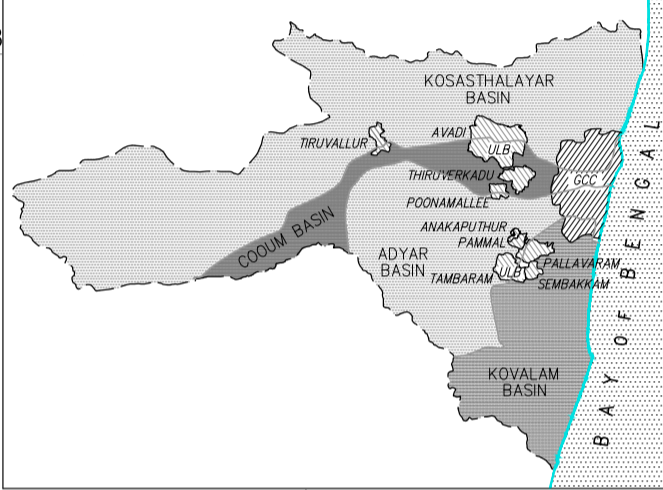
LIST OF POINTS						
SI No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL Drain Top(m)	Invert (m)	Road Edge (m)	DRAIN DIMENSIONS Width (m) Depth (m)
1	A1 (OL)	C	4.892	3.907	4.840	0.912 0.729
2	A2	C	4.681	3.771	4.653	0.891 0.695
3	A3	C	4.585	3.673	4.501	0.856 0.732
4	A4	C	4.657	3.732	4.501	0.956 0.644
5	A5	C	4.494	3.822	4.465	1.109 0.457
6	A6	C	4.613	3.881	4.700	1.109 0.482
7	A7	C	4.651	3.941	4.497	1.109 0.460
8	A8	C	4.672	3.781	4.625	0.915 0.676
9	A9	C	4.915	4.020	4.906	0.921 0.739
10	A10	C	4.631	3.710	4.491	0.925 0.736
11	A11	C	4.495	3.748	4.521	0.951 0.546
12	A12	C	4.717	3.866	4.544	0.905 0.700
13	B1 (OL)	C	4.566	3.581	4.391	0.961 0.784
14	B2	C	4.284	3.403	4.264	0.921 0.630
15	B3	C	3.675	3.050	3.478	0.921 0.424
16	B4	C	3.790	2.908	3.761	3.761 0.915
17	B5	C	3.947	3.016	3.791	0.915 0.705
18	B6	C	4.142	3.191	3.918	0.921 0.736
19	B7	C	4.387	-	4.345	- -
20	B8	C	4.283	3.527	4.232	0.981 0.405
21	B9	C	4.481	3.496	4.355	0.985 0.920
22	B10	C	4.658	3.837	4.640	0.856 0.620
23	B11	C	4.678	3.877	4.576	0.856 0.586
24	B12	C	4.883	4.132	4.840	0.892 0.450
25	C1 (OL)	C	4.302	3.197	4.459	0.981 0.854
26	C2	C	4.756	3.821	4.784	0.891 0.634
27	D1 (OL)	C	4.088	2.887	4.163	0.995 1.043
28	D2	C	4.029	3.078	4.354	0.892 0.770
29	D3	O	4.245	3.489	4.207	0.925 0.756
30	D4	O	4.343	3.622	4.529	0.856 0.721
31	D5	O	4.816	4.060	4.815	0.751 0.756
32	D6	O	4.449	3.942	4.335	0.621 0.525
33	D7	O	4.597	3.968	4.583	0.740 0.621
34	D8	O	4.794	4.443	4.836	0.751 0.351
35	E1 (OL)	O	4.675	3.570	4.662	0.951 1.105
36	E2	O	5.128	4.477	4.873	0.561 0.651
37	E3	O	4.900	4.151	5.021	0.521 0.756
38	E4	O	4.680	3.865	4.541	0.761 0.815
39	E5	O	4.595	3.874	4.680	0.845 0.721
40	E6	O	4.834	3.883	4.805	0.921 0.951
41	E7	O	4.886	3.965	4.818	0.895 0.921
42	E8	O	4.572	3.821	4.496	0.801 0.751
43	E9	O	4.610	3.959	4.434	0.756 0.651
44	F1 (OL)	C	5.041	3.726	5.044	1.151 0.864
45	F2	C	4.955	3.944	4.954	1.045 1.045
46	F3	C	5.154	4.198	5.152	0.921 0.705
47	F4	C	5.420	4.474	5.368	0.956 0.645
48	G1 (OL)	C	4.691	3.726	4.473	0.981 0.620
49	G2	C	5.323	4.345	5.076	0.925 0.657
50	G3	C	5.400	4.435	5.143	0.981 0.640
51	G4	C	5.483	4.502	5.323	0.952 0.630
52	H1 (OL)	C	4.413	3.198	4.335	0.121 0.850
53	H2	C	4.683	3.822	4.671	0.895 0.646
54	H3	C	5.045	4.194	4.932	0.901 0.550
55	H4	C	4.872	3.947	4.665	0.856 0.610
56	I1 (OL)	C	3.708	2.628	-	1.201 0.749
57	I2	C	3.510	2.429	3.714	0.995 0.730
58	I3	C	4.525	3.374	4.209	1.120 0.786
59	I4	C	4.209	3.251	4.058	0.921 0.773
60	I5	C	4.327	3.396	4.184	0.916 0.730
61	I6	C	4.482	3.626	4.230	0.901 0.405
62	I7	C	4.359	3.458	4.370	0.956 0.686

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

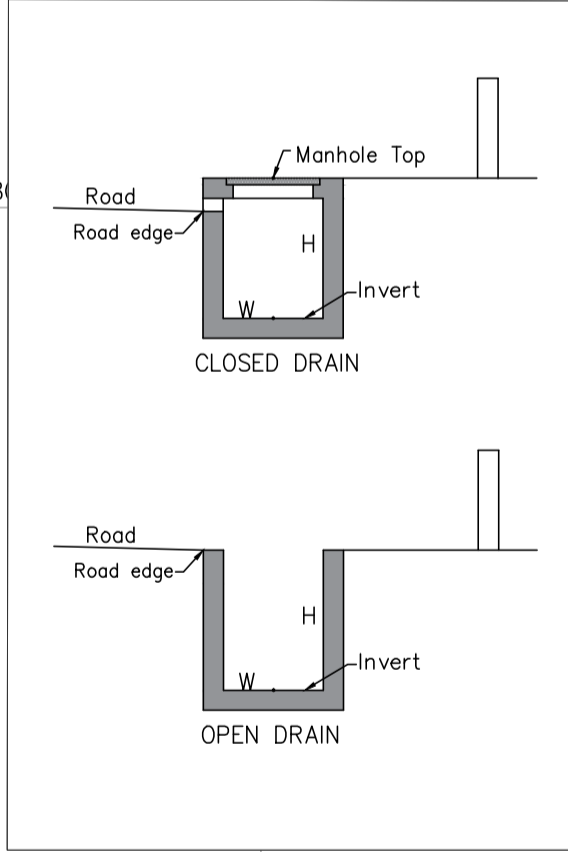
WARDS OF GCC AREA



INDEX OF GCC & ULB's AREA



KEY PLAN



Control Point Located on Ward-98



T113 13°05'07.512"N 80°14'21.905"E

LIST OF CONTROL POINTS							N1449000
Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T113	13°05'07.512"N	80°14'21.905"E	417547.592	1446705.945	5.21	On top of Cement Concrete Basement

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 26th February to 2nd March 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.

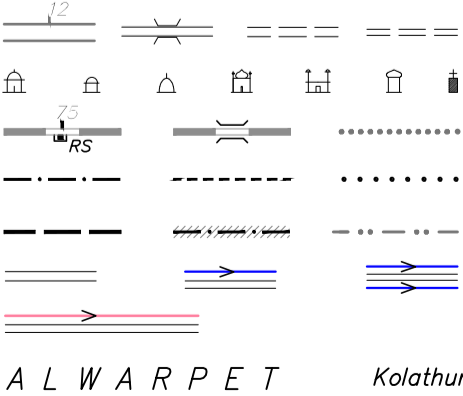
Boundary: state; district; taluk.

Boundary: CMA; zone; ward.

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

Road with reverse gradient drain.

Spaced names: locality; village.



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

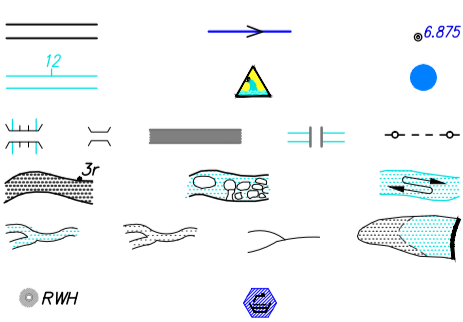
Canal. Outlet. Inundated area by previous flood.

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.



GREATER CHENNAI CORPORATION (GCC)
REPRESENTING COMMISSIONERATE OF REVENUE ADMINISTRATION AND DISASTER MANAGEMENT



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. 71, ZONE VI - THIRUVIKA NAGAR

PROJECT CONSULTANTS



SECON - JBA Consulting
(India) (U.K.) JV

SHEET No.

80 OF 114

SCALE

1:5000

DRAWING No.

CFM/SWD/WARD-80

REV.

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