



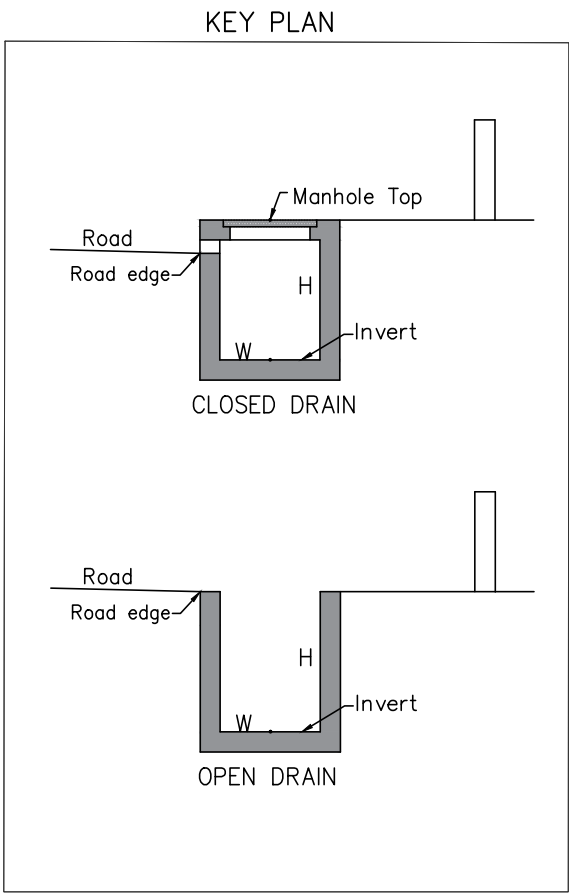
LIST OF POINTS							
Sl No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	6.047	4.937	5.586	0.880	0.950
2	A2	C	6.506	5.226	6.229	0.860	1.090
3	A3	C	7.053	5.693	6.868	0.820	1.080
4	A4	C	7.234	6.340	7.095	0.830	0.970
5	A5	C	7.776	—	7.397	—	—
6	B1 (OL)	C	5.952	4.602	5.679	0.790	1.090
7	B2	C	6.467	5.291	6.289	0.940	0.950
8	B3	C	7.252	5.832	7.076	1.100	1.140
9	B4	C	7.689	6.599	7.219	1.020	0.820
10	B5	C	7.658	6.138	7.159	1.010	1.210
11	B6	C	5.056	3.676	5.073	1.210	0.840
12	B7	C	5.985	—	5.905	—	—
13	B8	C	5.304	3.624	5.275	0.980	1.070
14	B9	C	4.836	3.326	4.760	1.240	0.930
15	B10	C	4.747	3.337	4.693	1.280	0.800
16	B11	C	5.050	—	4.828	—	—
17	C1(OL)	C	4.625	—	4.539	—	—
18	C2	C	4.301	3.241	4.292	0.940	0.780
19	C3	C	4.368	4.048	4.154	0.620	0.210
20	C4	C	4.200	2.910	4.013	0.680	0.550
21	C5	C	4.165	2.690	4.041	0.720	1.230
22	C6	C	4.249	—	4.052	—	—
23	C7	C	4.290	3.300	4.100	0.810	0.610
24	C8	C	4.331	2.801	4.103	0.810	0.920
25	C9	C	4.481	3.671	4.341	0.680	0.270
26	C10	C	4.725	3.365	4.565	0.740	0.750
27	C11	C	4.848	3.828	4.653	0.880	0.760
28	C12	C	4.735	3.645	4.461	0.840	0.810
29	C13	C	4.545	3.335	4.413	1.020	1.030
30	C14	C	4.565	3.475	4.406	1.010	0.930
31	C15	C	4.811	4.131	4.521	0.940	0.540
32	C16	C	4.673	3.933	4.396	0.730	0.550
33	C17	C	4.375	3.675	4.398	0.810	0.600
34	C18	C	4.319	3.479	4.126	0.810	0.600
35	C19	C	4.383	—	4.449	—	—
36	C20	C	4.296	2.766	4.249	0.890	1.120
37	C21	C	3.956	3.336	3.937	0.720	0.460
38	C22	C	4.106	3.326	4.092	0.840	0.610
39	C23	C	4.157	3.277	4.269	0.890	0.620
40	C24	C	3.858	2.868	3.911	0.870	0.770
41	D1 (OL)	C	4.536	3.356	4.392	0.780	0.900
42	D2	C	4.723	3.263	4.561	0.810	0.950
43	D3	C	4.346	2.736	4.233	0.780	0.890
44	D4	C	4.262	—	4.126	—	—
45	E1	C	4.945	3.865	4.792	0.890	0.870
46	E2	C	4.908	3.648	4.704	1.230	0.980
47	E3	C	4.820	3.460	4.768	1.090	1.120
48	E4	C	4.816	3.256	4.749	1.310	1.380
49	E5 (OL)	C	5.000	2.850	4.998	1.540	1.910
50	F1	C	5.281	3.971	5.112	0.980	1.000
51	F2	C	5.151	—	4.974	—	—
52	F3 (OL)	C	5.798	3.268	5.737	1.620	2.250
53	G1	C	4.901	4.041	4.825	0.910	0.690
54	G2	C	4.980	3.810	4.812	0.830	0.990
55	G3	C	4.912	3.612	4.783	1.080	1.110
56	G4	C	4.971	3.461	4.773	0.840	1.380
57	G5 (OL)	C	4.918	3.738	4.695	0.970	0.980
58	G6	C	4.781	3.571	4.683	1.120	1.000
59	G7	C	4.617	3.257	4.458	1.390	1.180
60	G8	C	4.625	3.415	4.527	1.420	1.000
61	H1	C	5.327	4.187	5.303	0.910	0.730
62	H2	C	5.372	4.552	5.369	0.910	0.240
63	H3 (OL)	C	5.569	—	5.592	—	—
64	I1	C	4.875	3.665	4.668	0.940	1.000
65	I2	C	5.090	3.760	4.846	1.060	1.160
66	I3 (OL)	C	4.840	4.000	4.845	0.720	0.630

LEGEND

 Drain Outlet

 Drain With Reverse Gradient

"—" : Manhole's Inside not Accessible



T81 13°07'38.775"N 80°13'03.808"E

LIST OF CONTROL POINTS							
Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T81	13°07'38.775"N	80°13'03.808"E	415210.106	1451360.120	8.74	On top of RCC Basement

Roads: main; others; mud. Cart track.

Temple. Chhatr. Shrine. Mosque. Idgah. Tomb. Church.

Railways: broad gauge with station; bridge; metro.

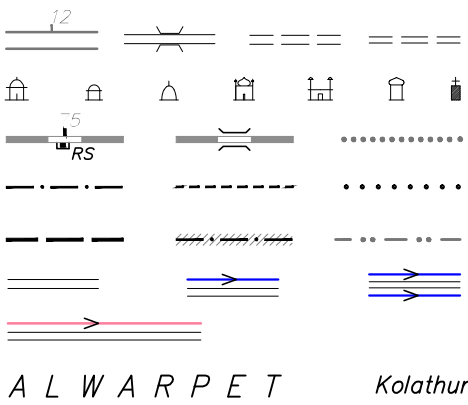
Boundary: state; district; taluk.

Boundary: CMA; zone; ward.

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

Road with reverse gradient drain.

Spaced names: locality; village.



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

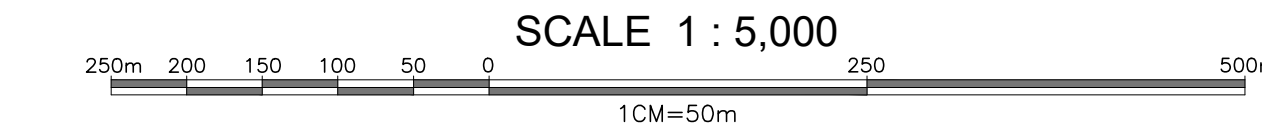
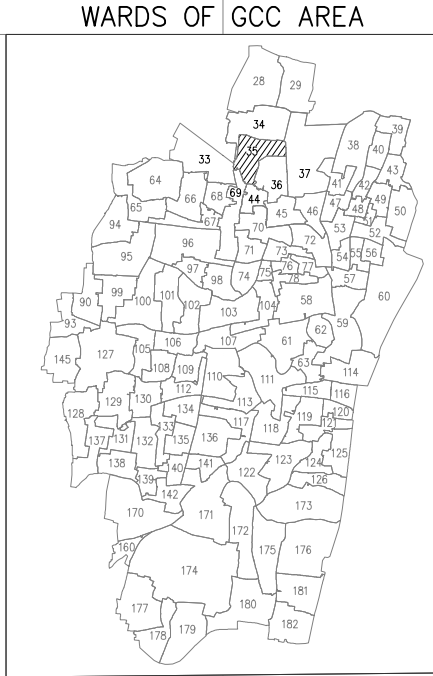
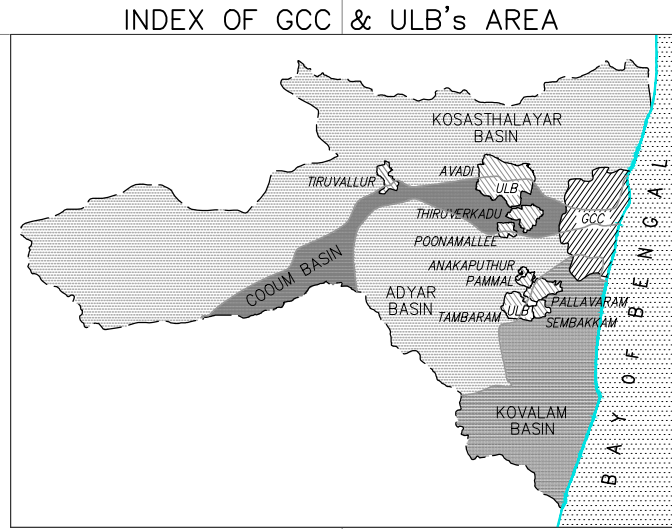
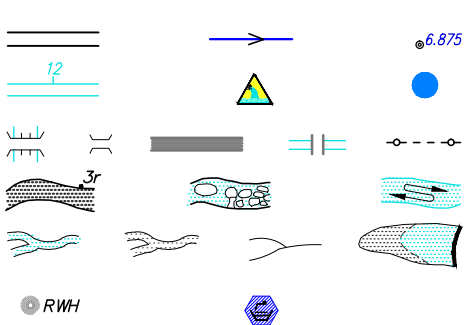
Canal. Outlet. Inundated area by previous flood.

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.






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:
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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC)
Surveyed between 23th February to 25th February 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).

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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. 35, ZONE IV - TONDIARPET		
PROJECT CONSULTANTS		SECON - JBA Consulting (India) (U.K.) JV	
SHEET No. 10 OF 114	SCALE 1:5000	DRAWING No.	CFM/SWD/WARD-110
			REV. 0