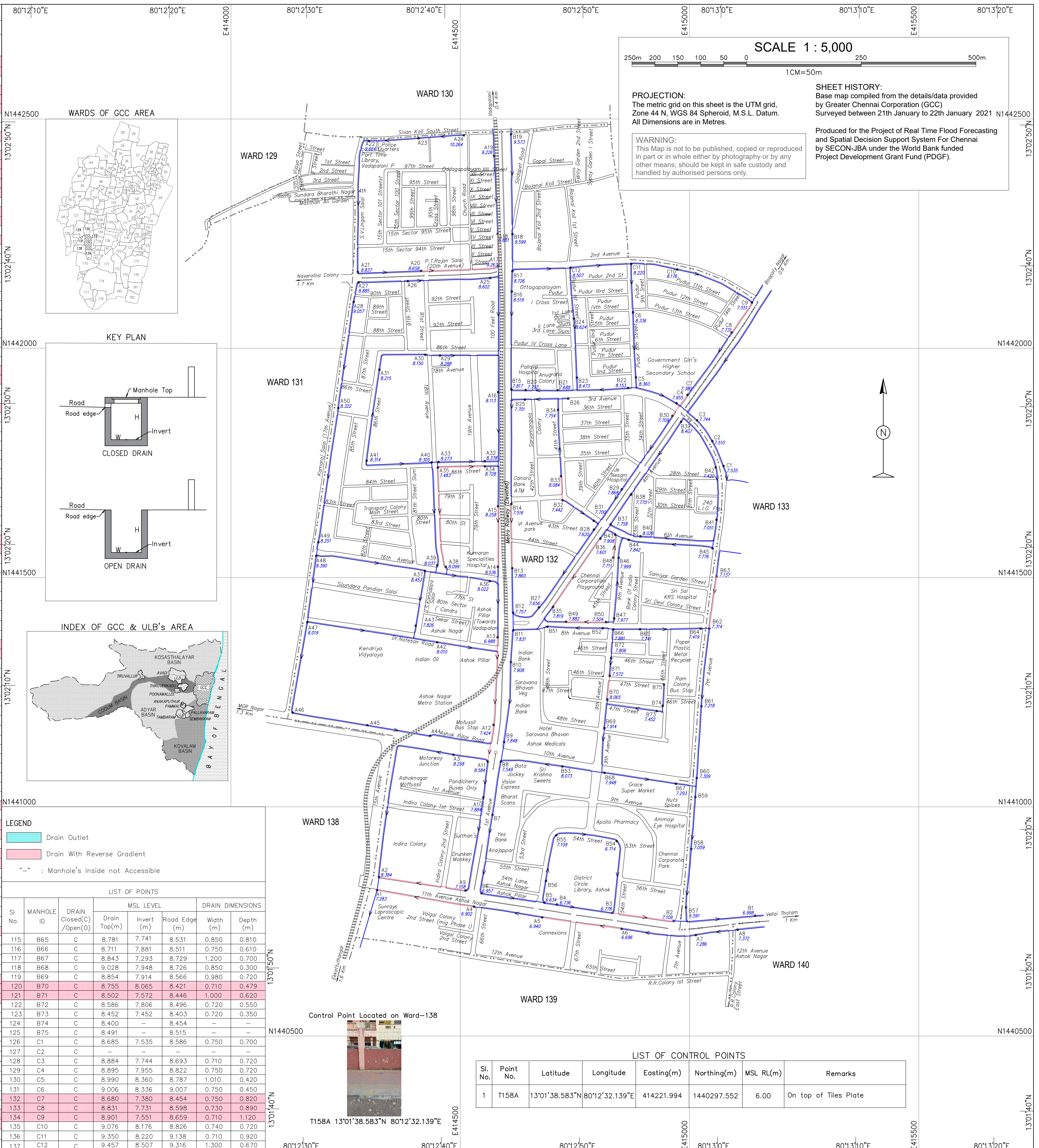


LIST OF POINTS							
SI No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1	C	8.693	7.283	8.451	0.830	1.250
2	A2	C	8.664	8.384	8.517	0.820	0.100
3	A3	C	9.118	8.258	9.012	1.250	0.610
4	A4	C	8.282	6.902	8.062	1.000	0.980
5	A5	C	7.910	6.940	7.707	1.250	0.650
6	A6	C	8.046	6.696	7.855	1.300	1.000
7	A7	C	8.306	7.286	8.047	0.550	0.700
8	A8	C	8.152	7.372	8.050	1.100	0.530
9	A9	C	8.308	7.158	8.081	1.100	0.600
10	A10	C	8.785	7.885	8.543	1.200	0.420
11	A11	C	9.064	8.584	8.921	1.150	0.230
12	A12	C	9.254	7.424	8.971	1.100	0.920
13	A13	C	9.108	6.988	8.936	1.350	1.150
14	A14	C	9.406	8.536	9.200	1.300	0.120
15	A15	C	9.538	8.258	9.298	1.450	1.000
16	A16	C	9.463	8.113	9.276	1.420	1.000
17	A17	C	9.903	9.263	9.780	0.830	0.310
18	A18	C	10.101	8.881	9.878	0.750	0.800
19	A19	C	10.676	9.226	10.388	1.000	1.100
20	A20	C	9.748	8.658	9.400	0.930	0.800
21	A21	C	9.877	8.837	9.794	0.940	0.660
22	A22	C	10.734	9.664	10.592	0.730	0.620
23	A23	C	10.797	—	10.575	—	—
24	A24	C	10.534	10.264	10.270	0.750	0.120
25	A25	C	9.802	8.602	9.606	0.820	0.850
26	A26	C	9.766	—	9.598	—	—
27	A27	C	9.825	8.885	9.669	1.000	0.630
28	A28	C	9.557	9.057	9.420	0.900	0.300
29	A29	C	9.088	8.288	9.043	0.820	0.600
30	A30	C	8.900	8.150	8.898	0.800	0.550
31	A31	C	9.085	8.215	8.915	0.730	0.720
32	A32	C	9.558	8.378	9.152	0.820	1.000
33	A33	C	9.073	8.273	8.968	0.710	0.600
34	A34	C	9.338	8.728	9.113	0.720	0.450
35	A35	C	9.183	7.483	8.857	1.000	0.900
36	A36	C	9.072	8.022	8.956	0.750	0.850
37	A37	C	9.143	8.453	9.225	1.000	0.540
38	A38	C	9.099	8.099	8.984	0.710	0.450
39	A39	C	9.137	8.037	9.044	0.720	0.950
40	A40	C	9.055	8.305	8.861	0.650	0.550
41	A41	C	9.064	8.314	8.867	0.730	0.600
42	A42	C	8.860	8.010	8.890	0.900	0.650
43	A43	C	9.026	7.826	8.912	0.920	0.900
44	A44	C	9.156	—	9.051	—	—
45	A45	C	8.776	—	8.725	—	—
46	A46	C	8.978	—	9.048	—	—
47	A47	C	8.969	8.019	9.114	0.900	0.750
48	A48	C	9.480	8.390	9.362	0.900	0.890
49	A49	C	9.201	8.251	9.325	0.900	0.750
50	A50	C	9.072	8.322	9.101	0.900	0.550
51	B1	C	8.098	6.998	7.870	1.200	0.880
52	B2	C	8.149	7.109	7.942	1.544	0.500
53	B3	C	7.978	6.778	7.754	1.400	0.800
54	B4	C	7.836	6.736	7.611	1.200	0.650
55	B5	C	7.944	6.634	7.735	1.150	0.930
56	B6	C	8.337	6.957	8.121	1.200	0.930
57	B7	C	8.770	—	8.564	—	—
58	B8	C	9.099	7.549	8.926	1.300	1.200
59	B9	C	9.268	7.848	9.055	1.000	0.800
60	B10	C	9.358	7.908	9.925	1.350	0.900
61	B11	C	9.201	7.831	8.730	1.300	0.950
62	B12	C	8.707	7.757	8.497	1.300	0.400
63	B13	C	9.160	7.860	9.020	1.300	1.150
64	B14	C	9.296	7.516	9.144	1.700	1.450
65	B15	C	9.277	7.817	9.027	0.700	1.120
66	B16	C	9.679	8.519	9.490	0.720	0.810
67	B17	C	9.556	8.726	9.595	0.830	0.830
68	B18	C	10.149	9.599	9.944	0.750	1.010
69	B19	C	10.763	9.573	10.489	0.780	0.980
70	B20	C	8.967	7.792	8.794	1.100	1.000
71	B21	C	8.868	7.688	8.933	1.100	0.970
72	B22	C	8.963	8.153	8.795	1.120	0.600
73	B23	C	9.303	8.473	9.225	1.100	0.650
74	B24	C	9.474	8.624	9.383	1.010	0.650
75	B25	C	8.861	7.701	8.800	0.720	1.010
76	B26	C	8.895	—	8.926	—	—
77	B27	C	8.656	7.656	8.474	1.300	0.450
78	B28	C	8.590	7.620	8.453	0.850	0.750
79	B29	C	8.738	7.868	8.501	0.730	0.620
80	B30	C	8.779	7.709	8.587	0.720	0.750
81	B31	C	8.630	7.700	8.534	1.200	0.610
82	B32	C	8.702	7.442	8.592	0.710	0.620
83	B33	C	8.888	8.048	8.910	1.000	0.690
84	B34	C	8.904	7.754	8.812	0.730	0.550
85	B35	C	8.719	7.819	8.515	1.200	0.300
86	B36	C	8.731	7.601	8.389	0.720	0.950
87	B37	C	8.818	7.758	8.469	1.320	0.850
88	B38	C	8.970	7.770	8.528	1.200	0.950
89	B39	C	8.907	8.407	8.596	0.730	0.350
90	B40	C	8.696	8.026	8.414	0.730	0.450
91	B41	C	8.651	7.051	8.570	0.720	1.250
92	B42	C	8.600	7.420	8.572	0.730	0.950
93	B43	C	8.638	7.908	8.503	0.750	0.530
94	B44	C	8.712	7.842	8.487	1.200	0.620
95	B45	C	8.706	7.776	8.564	0.721	0.620
96	B46	C	8.899	7.999	8.376	0.980	0.600
97	B47	C	8.807	7.977	8.557	0.850	0.620
98	B48	C	8.671	7.711	8.538	0.850	0.650
99	B49	C	8.732	7.882	8.572	1.200	0.300
100	B50	C	8.654	7.504	8.702	0.720	0.800
101	B51	C	—	—	—	—	—
102	B52	C	8.663	—	8.545	—	—
103	B53	C	8.943	8.073	8.684	0.950	0.320
104	B54	C	7.924	6.714	7.701	0.950	0.810
105	B55	C	8.189	7.109	7.886	0.650	0.550
106	B56	C	8.083	—	7.829	—	—
107	B57	C	8.001	6.591	7.924	1.450	0.800
108	B58	C	8.409	7.059	8.343	1.520	0.700
109	B59	C	8.855	—	8.626	—	—
110	B60	C	8.849	7.309	8.768	1.100	0.920
111	B61	C	8.838	7.218	8.681	1.330	1.200
112	B62	C	8.604	7.314	8.357	1.350	0.930
113	B63	C	8.857	7.137	8.871	0.730	1.270
114	B64	C	8.519	7.419	8.589	1.200	0.850



<p>Roads: main; others; mud. Cart track.</p> <p>Temple. Chhatra. Shrine. Mosque. Idgah. Tomb. Church.</p> <p>Railways: broad gauge with station; bridge; metro.</p> <p>Boundary: state; district; taluk.</p> <p>Boundary: CMA; zone; ward.</p> <p>Roads: without drain; with onside drain; with both side drain.</p> <p>Road with reverse gradient drain.</p> <p>Spaced names: locality; village.</p>		<p>Drains: stormwater; feeder with flow direction. Invert level.</p> <p>Canal. Outlet. Inundated area by previous flood.</p> <p>Bridge with piers. Culvert. Flyover. Subway. Sewage line.</p> <p>River: dry with water channel; with island & rocks. Tidal river.</p> <p>Streams: perennial; non perennial. Single line: defined. Tank.</p> <p>Rain water Harvesting. Stormwater pumping station.</p>	<p>CLIENT: GREATER CHENNAI CORPORATION (GCC) REPRESENTING COMMISSIONERATE OF REVENUE ADMINISTRATION AND DISASTER MANAGEMENT</p> <p>FUNDED BY: TNUISL PROJECT DEVELOPMENT GRANT FUND (PDGF) (Managed by Tamil Nadu Urban Infrastructure Financial Services Limited)</p> <p>PROJECT: PLANNING, SETTING UP AND OPERATIONALIZING REAL TIME FLOOD FORECASTING SPATIAL DECISION SUPPORT SYSTEM FOR CHENNAI</p> <p>TITLE: BASE MAP - STORM WATER DRAIN WARD No. 132, ZONE X - KODAMBAKKAM</p> <p>PROJECT CONSULTANTS: SECON - JBA Consulting (India) (U.K.) JV</p> <p>SHEET No. 52 OF 114 SCALE 1:5000 DRAWING No. CFM/SWD/WARD-52 REV. 0</p>
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