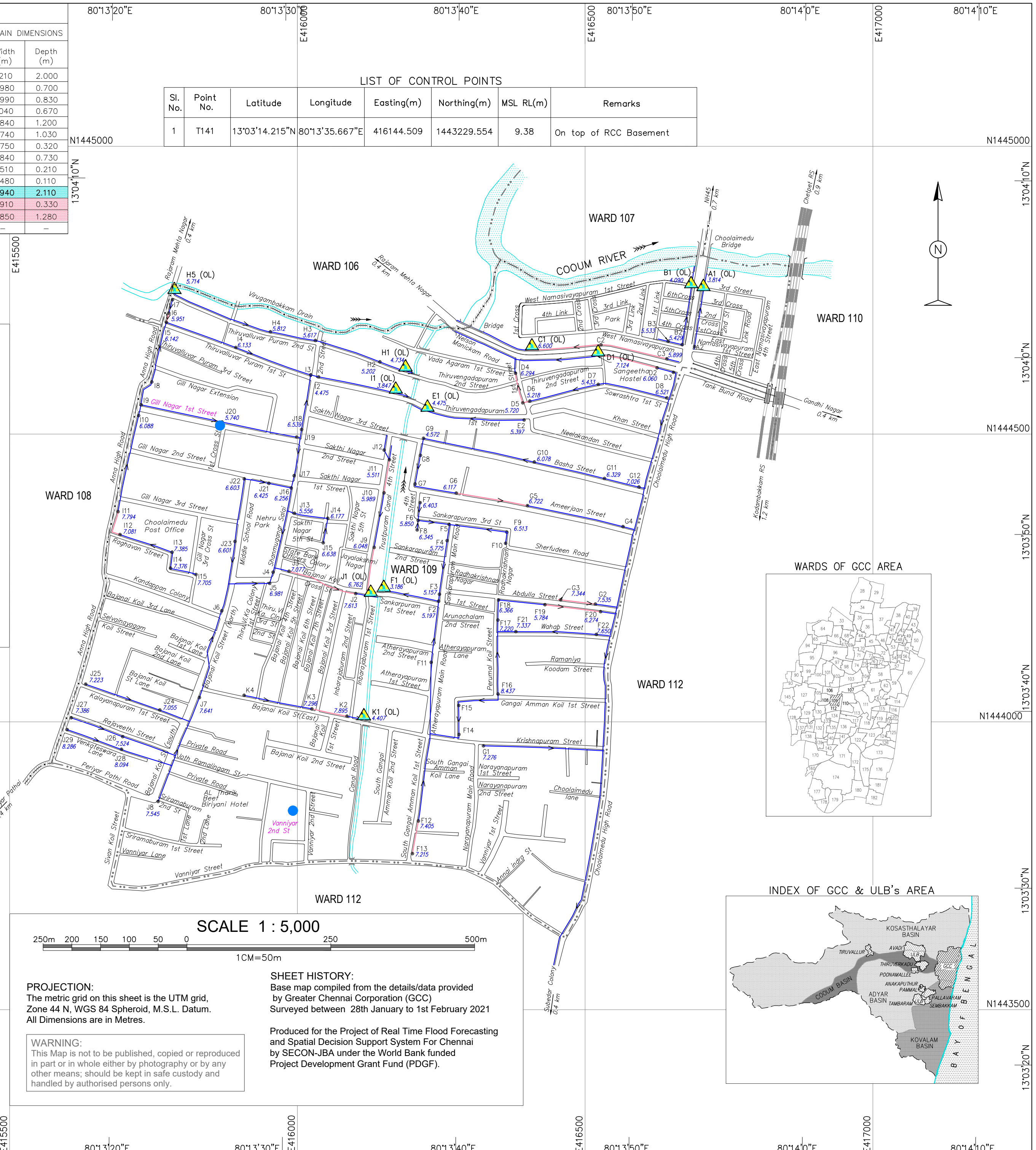
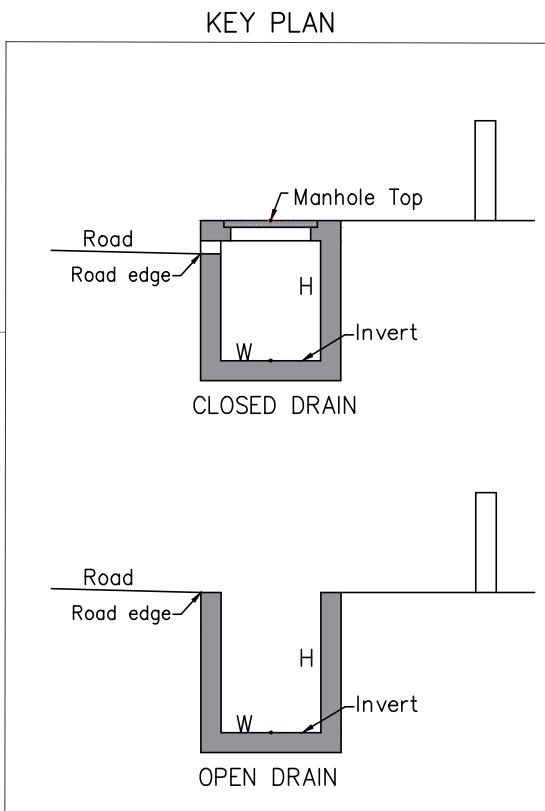


LIST OF POINTS							LIST OF POINTS								
Sl No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL		DRAIN DIMENSIONS		Sl No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL		DRAIN DIMENSIONS			
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)				Depth (m)	Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	4.894	3.814	4.671	1.040	0.920	92	J20	C	8.080	5.740	8.033	1.210	2.000
2	A2	C	6.069	-	6.052	-	-	93	J21	C	7.335	6.425	7.342	0.980	0.700
3	B1 (OL)	C	4.800	4.090	4.697	0.640	0.300	94	J22	C	7.643	6.603	7.550	0.990	0.830
4	B2	C	6.339	5.429	6.204	0.780	0.840	95	J23	C	7.411	6.601	7.395	1.040	0.670
5	B3	C	6.073	5.533	6.007	0.740	0.400	96	J24	C	8.535	7.055	8.356	0.840	1.200
6	C1 (OL)	C	7.410	6.600	7.119	0.680	0.700	97	J25	C	8.433	7.223	8.290	0.740	1.030
7	C2	C	7.276	-	7.128	-	-	98	J26	C	8.304	7.524	8.117	0.750	0.320
8	C3	C	6.999	5.899	6.983	0.840	0.490	99	J27	C	8.326	7.386	8.216	0.840	0.730
9	D1 (OL)	C	7.224	7.124	6.925	0.740	0.050	100	J28	C	8.414	8.094	8.444	0.510	0.210
10	D2	C	7.040	6.060	6.762	0.890	0.840	101	J29	C	8.496	8.286	8.437	0.480	0.110
11	D3	C	7.134	-	6.852	-	-	102	K1 (OL)	C	6.727	4.407	6.122	0.940	2.110
12	D4	C	6.904	6.294	6.663	0.710	0.370	103	K2	C	8.505	7.895	8.393	0.910	0.330
13	D5	C	6.560	5.720	6.470	0.890	0.550	104	K3	C	8.996	7.296	8.919	0.850	1.280
14	D6	C	6.658	5.218	6.430	0.810	0.730	105	K4	C	8.775	-	8.861	-	-
15	D7	C	6.543	5.433	6.343	0.810	0.470								
16	D8	C	7.041	6.521	6.712	0.610	0.210								
17	E1 (OL)	C	6.315	4.475	5.957	0.590	0.930								
18	E2	C	6.917	5.397	6.840	0.740	0.910								
19	F1 (OL)	C	4.866	3.186	4.692	0.910	1.370								
20	F2	C	6.987	5.197	6.868	0.940	1.250								
21	F3	C	7.067	5.157	7.003	0.540	1.170								
22	F4	C	6.955	5.775	6.915	0.720	0.970								
23	F5	C	6.937	-	6.997	-	-								
24	F6	C	6.660	5.850	6.660	0.680	0.710								
25	F7	C	6.813	6.403	6.725	0.640	0.100								
26	F8	C	6.705	6.345	6.726	0.610	0.220								
27	F9	C	7.293	6.513	7.161	0.580	0.670								
28	F10	C	7.346	-	7.190	-	-								
29	F11	C	7.324	-	7.256	-	-								
30	F12	C	7.965	7.405	7.715	0.410	0.180								
31	F13	C	7.725	7.215	7.597	0.410	0.210								
32	F14	C	7.690	-	7.714	-	-								
33	F15	C	7.683	-	7.774	-	-								
34	F16	C	8.907	8.437	8.624	0.610	0.360								
35	F17	C	8.200	7.220	8.117	0.720	0.800								
36	F18	C	8.046	6.366	8.004	0.740	1.560								
37	F19	C	7.884	5.784	7.843	0.840	1.190								
38	F20	C	8.014	6.274	7.911	0.740	0.850								
39	F21	C	8.147	7.337	8.233	0.680	0.700								
40	F22	C	8.390	7.650	8.468	0.640	0.590								
41	G1	C	7.666	7.276	7.624	0.780	0.290								
42	G2	C	7.955	7.535	7.860	0.610	0.280								
43	G3	C	7.854	7.344	7.728	0.640	0.190								
44	G4	C	7.948	-	7.855	-	-								
45	G5	C	7.532	6.722	7.445	0.640	0.300								
46	G6	C	7.327	6.117	7.160	0.710	0.650								
47	G7	C	7.025	-	6.945	-	-								
48	G8	C	7.012	-	6.901	-	-								
49	G9	C	6.782	4.572	6.525	0.840	1.800								
50	G10	C	8.288	6.078	7.225	0.540	1.600								
51	G11	C	7.669	6.329	7.632	0.580	0.630								
52	G12	C	7.936	7.026	7.827	0.610	0.400								
53	H1 (OL)	C	6.144	4.734	6.082	0.640	0.700								
54	H2	C	5.812	5.202	5.791	0.660	0.360								
55	H3	C	6.427	5.617	6.286	0.710	0.360								
56	H4	C	6.602	5.812	6.566	0.810	0.480								
57	H5 (OL)	C	6.954	5.714	6.826	0.680	0.630								
58	I1 (OL)	C	6.557	3.847	6.516	0.910	1.900								
59	I2	C	6.285	4.475	6.208	0.710	0.900								
60	I3	C	6.346	-	6.235	-	-								
61	I4	C	6.843	6.133	6.688	0.680	0.400								
62	I5	C	6.952	6.142	6.945	0.660	0.430								
63	I6	C	6.831	5.951	6.831	0.610	0.460								
64	I7	C	6.856	-	6.865	-	-								
65	I8	C	7.918	-	7.902	-	-								
66	I9	C	8.109	-	8.089	-	-								
67	I10	C	8.198	6.088	8.097	0.580	0.900								
68	I11	C	8.514	7.794	8.351	0.680	0.410								
69	I12	C	8.601	7.081	8.356	0.720	1.100								
70	I13	C	8.225	7.385	8.162	0.710	0.530								
71	I14	C	8.386	7.376	8.167	0.620	0.620								
72	I15	C	8.495	7.705	8.238	0.710	0.580								
73	J1 (OL)	C	8.472	6.762	8.443	0.940	1.430								
74	J2	C	8.463	7.613	8.496	0.580	0.140								
75	J3	C	7.687	7.077	7.635	0.720	0.470								
76	J4	C	8.241	-	8.100	-	-								
77	J5	C	8.471	6.981	8.143	0.780	1.070								
78	J6	C	8.340	-	8.290	-	-								
79	J7	C	8.881	7.641	8.755	0.710	0.860								
80	J8	C	8.905	7.545	8.933	0.980	1.250								
81	J9	C	6.758	6.048	6.576	0.810	0.620								
82	J10	C	6.899	5.989	6.685	0.810	0.790								
83	J11	C	7.071	5.511	6.919	0.760	1.000								
84	J12	C	6.977	-	6.829	-	-								
85	J13	C	7.276	5.556	7.284	0.810	1.300								
86	J14	C	7.037	6.177	6.921	1.010	0.650								
87	J15	C	6.978	6.638	6.951	0.680	0.160								
88	J16	C	7.236	6.256	7.260	0.680	0.740								
89	J17	C	7.280	-	7.255	-	-								
90	J18	C	7.509	6.539	7.356	0.710	0.430								
91	J19	C	7.422	-	7.433	-	-								

LIST OF POINTS							LIST OF POINTS								
Sl No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL		DRAIN DIMENSIONS		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)	Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
92	J20	C	8.080	5.740	8.033	1.210	2.000	93	J21	C	7.335	6.425	7.342	0.980	0.700
94	J22	C	7.643	6.603	7.550	0.990	0.830	95	J23	C	7.411	6.601	7.395	1.040	0.670
96	J24	C	8.535	7.055	8.356	0.840	1.200	97	J25	C	8.433	7.223	8.290	0.740	1.030
98	J26	C	8.304	7.524	8.117	0.750	0.320	99	J27	C	8.326	7.386	8.216	0.840	0.730
100	J28	C	8.414	8.094	8.444	0.510	0.210	101	J29	C	8.496	8.286	8.437	0.480	0.110
102	K1 (OL)	C	6.727	4.407	6.122	0.940	2.110	103	K2	C	8.505	7.895	8.393	0.910	0.330
104	K3	C	8.996	7.296	8.919	0.850	1.280	105	K4	C	8.775	-	8.861	-	-

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



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:
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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC)
Surveyed between 28th January to 1st 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).

LEGEND

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

	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 onside drain; with both side drain.