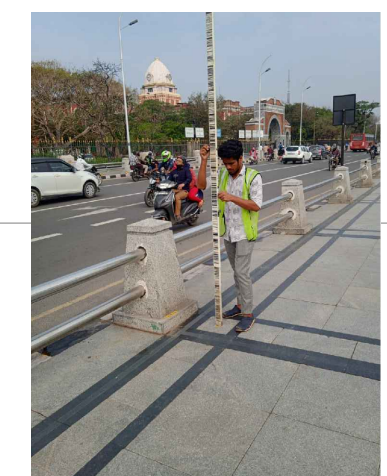


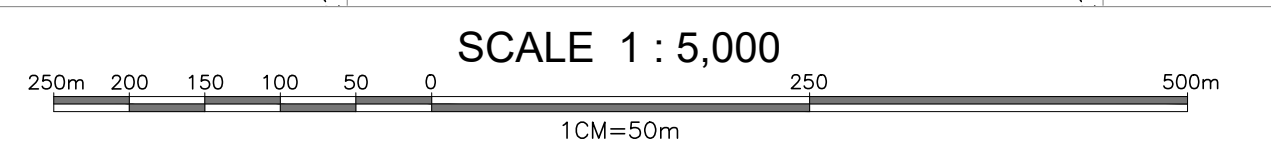
Sl No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	3.745	2.142	3.732	1.110	1.223
2	A2	C	3.232	1.990	2.953	1.290	0.812
3	A3	C	3.180	2.180	3.033	0.580	0.840
4	A4	C	3.684	-	3.615	-	-
5	B1 (OL)	C	2.620	1.927	2.598	0.690	0.473
6	B1A	C	4.516	-	4.308	-	-
7	B2	C	2.818	2.277	2.810	0.640	0.321
8	B2A	C	4.532	3.405	4.317	0.700	0.567
9	B3	C	3.944	3.073	3.859	0.690	0.661
10	B4	C	4.283	3.780	4.223	0.600	0.323
11	B5	C	4.383	-	4.340	-	-
12	B6	C	3.169	-	3.201	-	-
13	B7	C	3.586	-	3.648	-	-
14	B8	C	2.537	1.652	2.412	0.610	0.495
15	B9	C	3.138	2.714	2.867	0.660	0.304
16	B10	C	3.478	2.623	3.531	0.670	0.685
17	C1 (OL)	C	3.231	2.247	3.244	0.780	0.474
18	C2	C	3.303	-	3.414	-	-
19	C3	C	3.752	3.245	3.738	0.670	0.267
20	D1	C	4.581	2.130	4.424	0.720	1.091
21	D2	C	4.470	3.199	4.307	0.690	0.711
22	D3	C	4.688	4.079	4.470	0.510	0.059
23	E1 (OL)	C	4.753	2.745	4.502	0.590	1.078
24	E2	C	4.578	2.829	4.325	0.690	0.839
25	E3	C	4.481	3.270	4.233	0.620	0.251
26	F1 (OL)	C	4.146	-	4.146	-	-
27	F2	C	4.779	4.303	4.465	0.610	0.116
28	F3	C	4.689	4.521	4.430	0.520	0.038
29	F4	C	3.665	-	3.661	-	-
30	F5	C	4.031	2.835	3.768	1.000	0.776
31	F6	C	4.326	-	4.056	-	-
32	F7	C	4.502	3.102	4.407	1.600	1.100
33	F8	C	4.651	2.808	4.607	1.200	1.513
34	F9	C	4.658	3.158	4.622	1.500	1.200
35	F10	C	4.615	3.536	4.458	0.500	0.439
36	F11	C	4.642	4.332	4.364	0.760	0.310
37	F12	C	4.535	3.922	4.345	0.700	0.213
38	F13	C	4.545	-	4.337	-	-
39	F14	C	4.493	3.426	4.424	1.000	0.887
40	F15	C	4.593	3.589	4.516	1.070	0.834
41	F16	C	5.053	3.943	4.940	1.080	0.950
42	F17	C	5.792	4.426	5.751	1.130	1.206
43	F18	C	5.771	4.751	4.497	0.620	0.760
44	F19	C	4.703	3.775	4.430	0.740	0.728
45	F20	C	4.682	4.206	4.438	0.130	0.236
46	F21	C	4.529	-	4.371	-	-
47	F22	C	4.631	4.476	4.431	-	-
48	F23	C	5.081	4.721	4.748	0.680	0.110
49	F24	C	4.935	4.513	4.760	0.660	0.262
50	F25	C	4.890	-	4.722	-	-
51	F26	C	4.530	4.219	4.256	-	0.081
52	F27	C	4.570	4.131	4.419	1.300	0.309
53	F28	C	4.530	3.341	4.478	1.190	1.029
54	F29	C	4.473	3.647	4.334	0.940	0.666
55	F30	C	4.543	3.967	4.300	1.080	0.416
56	F31	C	4.349	3.514	4.404	0.620	0.665
57	F32	C	4.654	3.714	4.561	1.150	0.780
58	F33	C	4.685	-	4.577	-	-
59	F34	C	4.744	-	4.576	-	-
60	F35	C	4.788	4.028	4.534	0.710	0.630
61	F36	C	4.626	3.904	4.412	0.730	0.562
62	F37	C	3.911	-	3.828	-	-
63	F38	C	4.220	-	4.300	-	-
64	F39	C	4.257	-	4.269	-	-
65	F40	C	4.566	3.107	4.297	1.300	1.129
66	F41	C	3.828	2.723	3.673	1.040	0.525
67	F42	C	4.300	3.702	3.955	1.010	0.428
68	F43	C	4.328	3.882	4.313	1.500	0.226
69	F44	C	4.448	3.582	4.292	0.780	0.696
70	F45	C	4.392	4.071	4.293	0.780	0.131
71	F46	C	4.332	3.383	4.203	1.300	0.649
72	F47	C	4.548	3.280	4.337	1.000	0.968
73	G1	C	4.751	4.050	4.727	1.360	0.481
74	G2	C	4.912	4.279	4.873	1.190	0.333

LIST OF CONTROL POINTS							
Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T137	13°03'27.863"N	80°16'55.784"E	422172.904	1443631.119	4.87	On top of Earth Path Tier plate

Control Point Located on Ward-114



T137 13°03'27.863"N 80°16'55.784"E

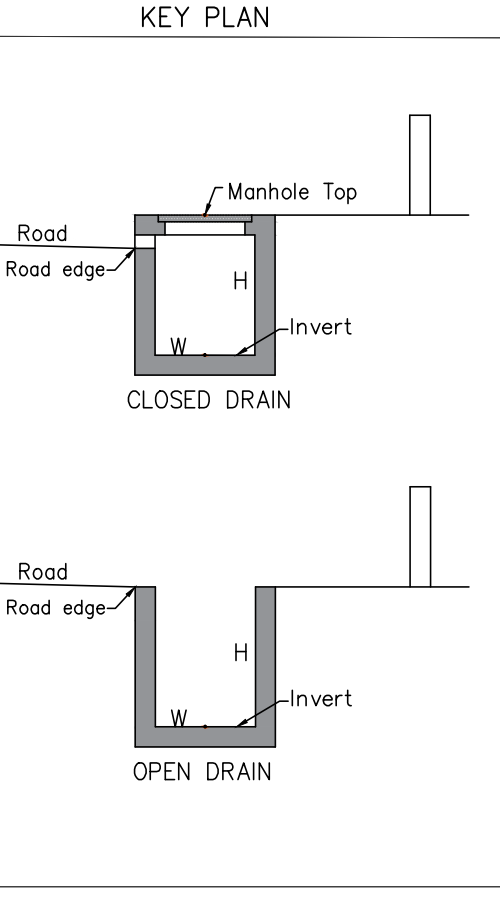
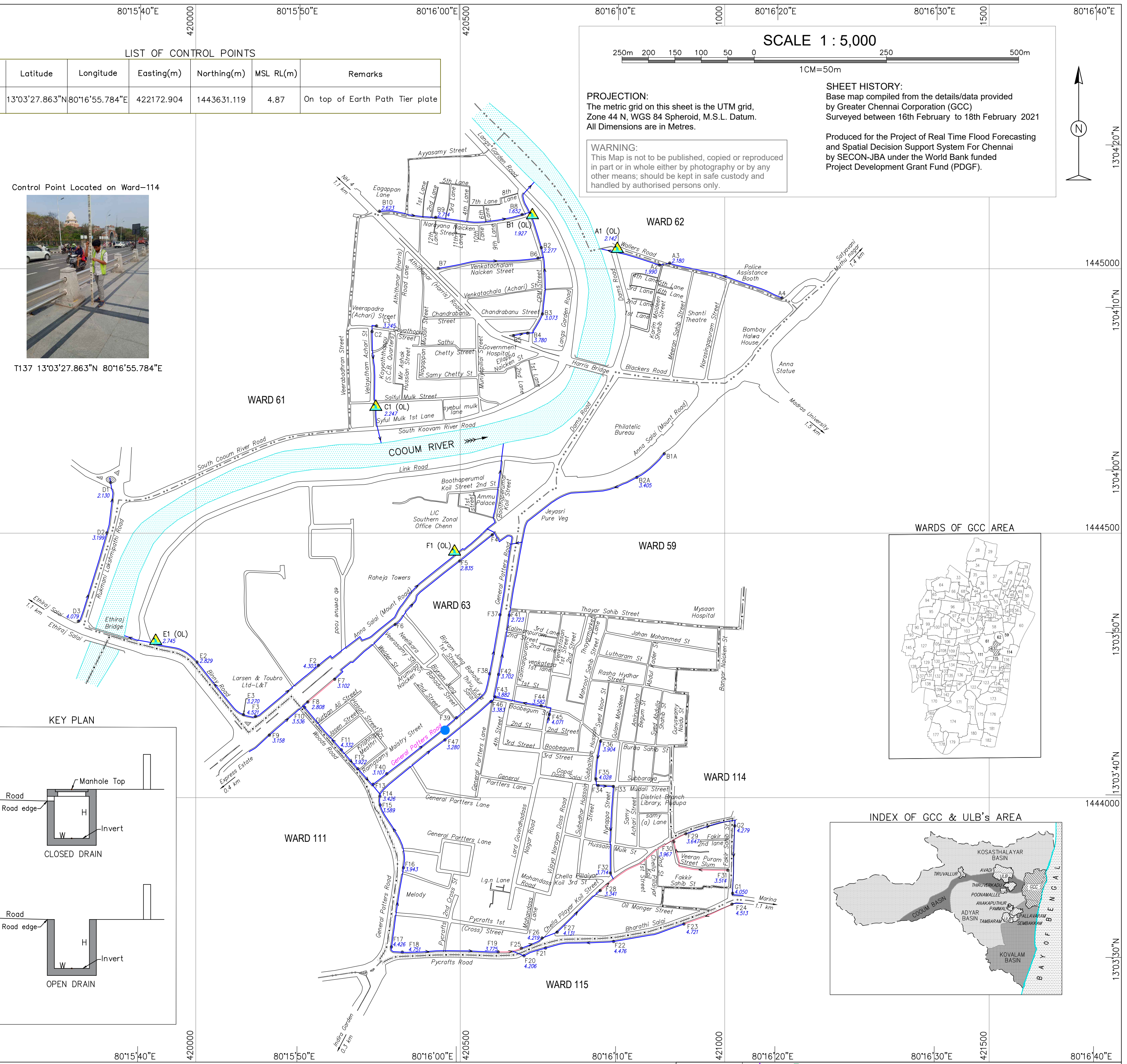


PROJECTION:
The metric grid on this sheet is the UTM grid, Zone 44 N, WGS 84 Spheroid, M.S.L. Datum. All Dimensions are in Metres.

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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC) by SECON-JBA under the World Bank funded Project Development Grant Fund (PDGF).
Surveyed between 16th February to 18th February 2021

Produced for the Project of Real Time Flood Forecasting and Spatial Decision Support System For Chennai



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 oneside 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 prvious 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. 63, ZONE V - ROYAPURAM
PROJECT CONSULTANTS	SECON - JBA Consulting (U.K.) JV
SHEET No. 23 OF 114	SCALE 1:5000 DRAWING No. CFM/SWD/WARD-23 REV. 0