LIST OF POINTS

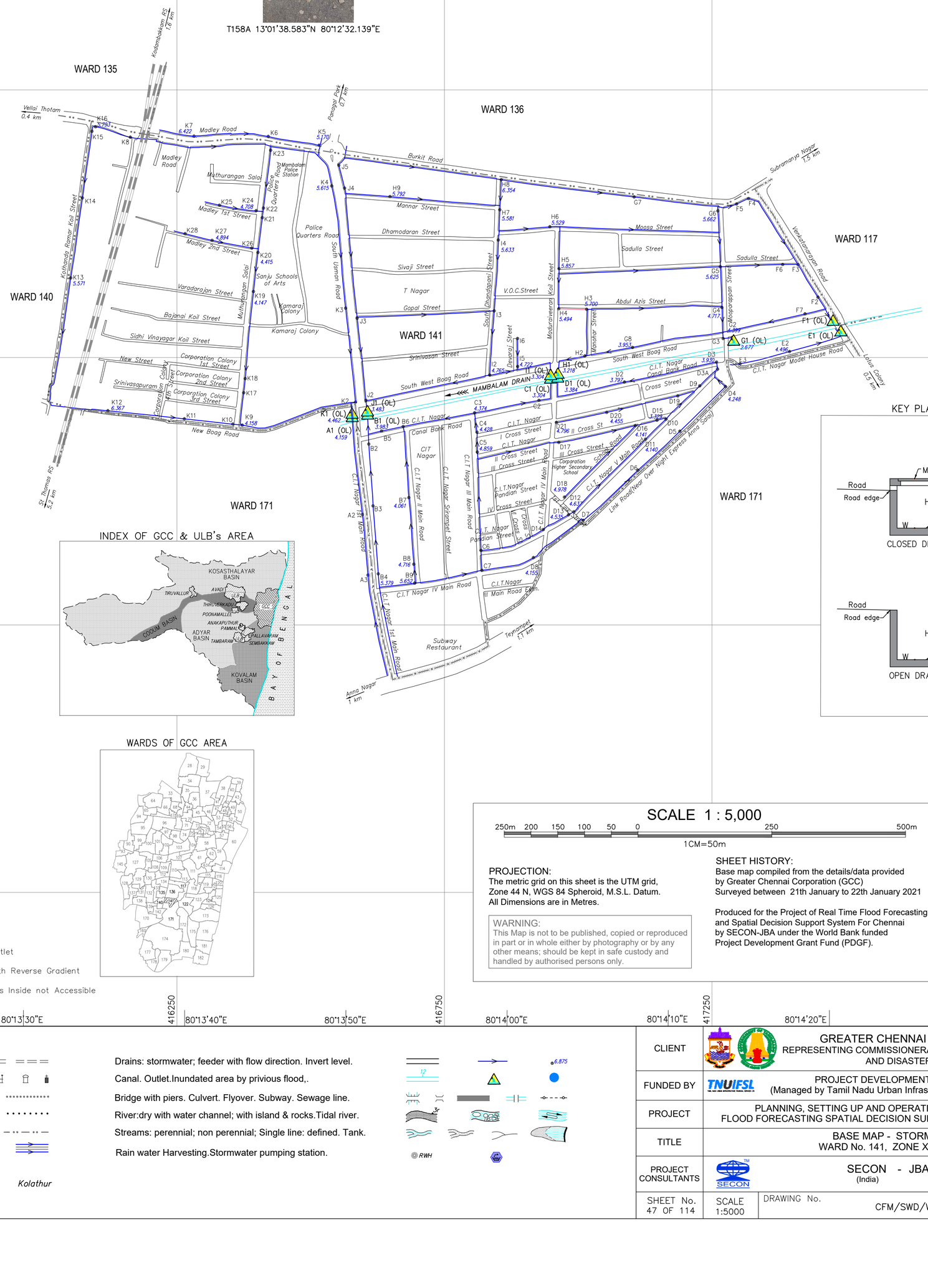
Sl No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	5.460	4.159	5.348	0.601	1.050
2	A2	C	6.091	–	5.919	–	–
3	A3	C	6.361	–	6.117	–	–
4	B1 (OL)	C	4.984	3.983	5.354	0.681	0.300
5	B2	C	5.635	–	5.443	–	–
6	B3	C	6.079	–	5.912	–	–
7	B4	C	6.380	5.379	6.210	1.001	0.500
8	B5	C	5.284	–	5.157	–	–
9	B6	C	5.277	–	5.221	–	–
10	B7	C	5.362	4.061	5.280	0.681	0.900
11	B8	C	5.617	4.716	5.602	0.681	0.450
12	B9	C	6.353	5.652	6.193	0.581	0.450
13	C1 (OL)	C	4.505	3.304	4.835	1.001	1.050
14	C2	C	5.239	–	5.236	–	–
15	C3	C	5.375	4.374	5.080	0.601	0.600
16	C4	C	5.279	4.428	5.426	0.601	0.700
17	C5	C	5.410	4.859	5.429	0.681	0.400
18	C6	C	5.767	–	5.772	–	–
19	C7	C	5.743	–	5.668	–	–
20	D1 (OL)	C	4.585	3.384	4.856	0.551	1.000
21	D2	C	4.898	3.797	4.773	0.581	0.700
22	D3	C	5.031	3.930	4.986	0.601	0.600
23	D3A	C	5.150	–	5.091	–	–
24	D4	C	5.349	4.248	5.269	1.201	0.950
25	D5	C	5.682	–	5.571	–	–
26	D6	C	5.698	–	5.671	–	–
27	D7	C	5.892	–	5.686	–	–
28	D8	C	5.356	4.155	5.198	1.001	0.900
29	D9	C	5.216	–	4.987	–	–
30	D10	C	5.216	–	5.040	–	–
31	D11	C	5.341	4.140	5.142	0.681	0.900
32	D12	C	5.538	4.637	5.471	0.601	0.650
33	D13	C	5.536	4.535	5.401	0.601	0.850
34	D14	C	5.273	–	5.257	–	–
35	D15	C	4.680	3.329	4.588	1.001	1.150
36	D16	C	5.142	4.141	5.125	0.681	0.601
37	D17	C	5.500	–	5.386	–	–
38	D18	C	5.349	4.798	5.257	0.681	0.400
39	D19	C	5.080	–	4.646	–	–
40	D20	C	5.256	4.455	4.924	0.681	0.600
41	D21	C	5.697	4.796	5.342	0.681	0.750
42	E1 (OL)	C	5.292	–	5.135	–	–
43	E2	C	5.147	4.496	5.046	0.601	0.500
44	E3	C	5.163	–	4.979	–	–
45	F1 (OL)	C	5.604	–	6.083	–	–
46	F2	C	6.044	–	5.843	–	–
47	F3	C	6.233	–	6.100	–	–
48	F4	C	7.039	–	6.852	–	–
49	F5	C	7.025	–	6.843	–	–
50	F6	C	6.344	–	6.178	–	–
51	F7	C	5.108	–	5.185	–	–
52	G1 (OL)	C	4.278	2.677	5.186	0.551	0.600
53	G2	C	5.200	4.399	5.066	0.601	0.401
54	G3	C	5.273	–	5.056	–	–
55	G4	C	5.918	4.717	5.873	0.701	0.801
56	G5	C	6.626	5.625	6.493	1.201	0.650
57	G6	C	6.863	5.662	6.752	1.001	0.800
58	G7	C	6.719	–	6.555	–	–
59	G8	C	5.154	3.953	4.950	0.681	0.801
60	H1 (OL)	C	4.519	3.218	4.851	0.681	1.100
61	H2	C	5.388	–	5.099	–	–
62	H3	C	6.501	5.700	6.371	0.601	0.450
63	H4	C	6.345	5.494	6.168	0.601	0.700
64	H5	C	6.658	5.857	6.475	0.601	0.500
65	H6	C	6.730	5.529	6.734	0.601	1.000
66	H7	C	6.482	5.581	6.417	0.601	0.300
67	H8	C	6.855	6.354	6.660	1.001	0.100
68	H9	C	6.543	5.792	6.512	0.681	0.600
69	I1 (OL)	C	4.505	3.304	4.827	1.001	1.050
70	I2	C	5.166	4.765	5.042	0.701	−0.200
71	I3	C	6.003	–	5.924	–	–
72	I4	C	6.634	5.633	6.480	0.701	0.300
73	I5	C	5.173	4.722	5.052	0.701	0.300
74	I6	C	5.353	–	5.248	–	–
75	J1 (OL)	C	5.084	3.483	5.355	1.001	0.900
76	J2	C	5.522	–	5.351	–	–
77	J3	C	5.644	–	5.609	–	–
78	J4	C	6.280	–	6.089	–	–
79	J5	C	6.230	–	6.029	–	–
80	K1 (OL)	C	5.463	4.462	5.286	0.601	0.650
81	K2	C	5.506	–	5.302	–	–
82	K3	C	5.510	–	5.307	–	–
83	K4	C	6.216	5.615	5.919	1.201	0.450
84	K5	C	6.271	5.170	6.017	1.201	0.950
85	K6	C	6.297	–	6.177	–	–
86	K7	C	7.073	6.422	6.957	0.681	0.300
87	K8	C	7.396	–	7.434	–	–
88	K9	C	5.559	4.158	5.490	1.201	0.950
89	K10	C	5.558	–	5.359	–	–
90	K11	C	6.191	–	6.171	–	–
91	K12	C	6.768	6.367	6.604	1.101	0.281
92	K13	C	6.872	5.571	6.794	1.201	0.600
93	K14	C	6.587	–	6.630	–	–
94	K15	C	6.809	–	6.799	–	–
95	K16	C	7.094	5.793	7.056	0.701	0.550
96	K17	C	5.498	–	5.344	–	–
97	K18	C	5.501	–	5.360	–	–
98	K19	C	5.498	4.147	5.477	1.201	0.950
99	K20	C	5.516	4.415	5.502	1.201	0.700
100	K21	C	5.765	–	5.576	–	–
101	K22	C	5.807	–	5.651	–	–
102	K23	C	6.325	–	6.192	–	–
103	K24	C	5.509	4.708	5.552	0.681	0.300
104	K25	C	5.914	–	5.792	–	–
105	K26	C	5.664	–	5.572	–	–
106	K27	C	5.645	4.894	5.627	0.701	0.600
107	K28	C	5.903	–	5.870	–	–

Control Point Located on Ward–138

T158A 13°01'38.583"N 80°12'32.139"E

LIST OF CONTROL POINTS

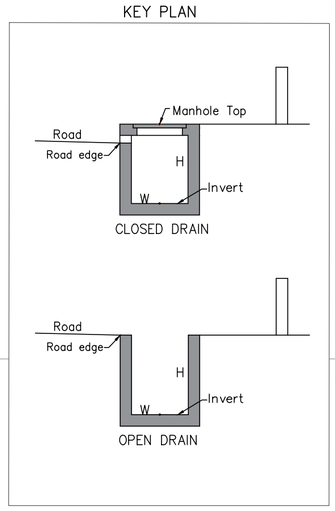
Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T158A	13°01'38.583"N	80°12'32.139"E	414221.994	1440297.552	6.00	On top of Tiles Plate



INDEX OF GCC & ULB's AREA

WARDS OF GCC AREA

KEY PLAN



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.

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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC) Surveyed between 21th January to 22th January 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 oneside drain; with both side drain.

Road with reverse gradient drain.

Spaced names: locality; village.

A L W A R P E T Kolathur

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

Canal. Outlet.Inundated area by privious 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. 141, ZONE X - KODAMBAKKAM	
PROJECT CONSULTANTS	SECON (India) - JBA Consulting (U.K.) JV	
SHEET No. 47 OF 114	SCALE 1:5000	DRAWING No. CFM/SWD/WARD–47 REV. 0