

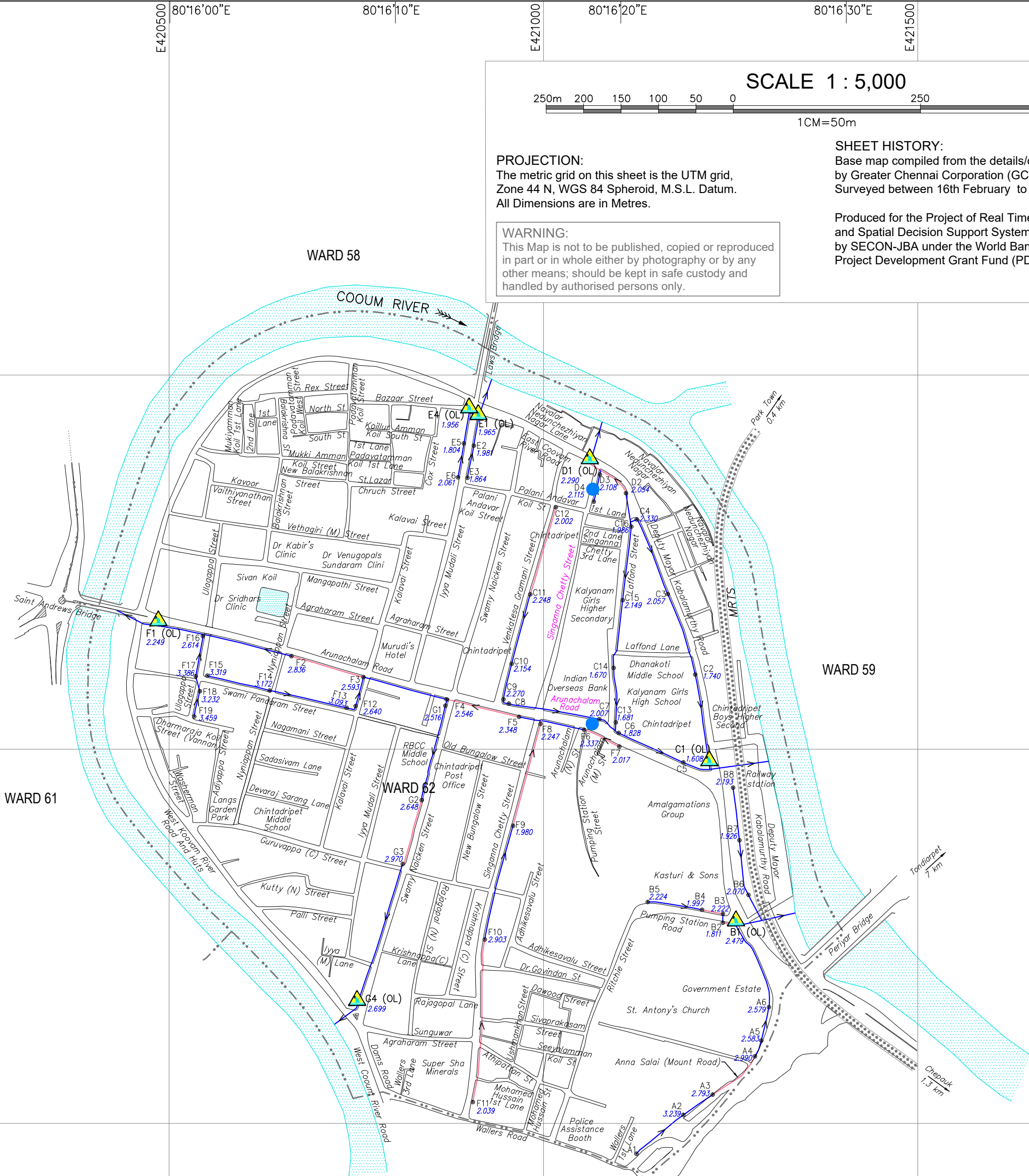
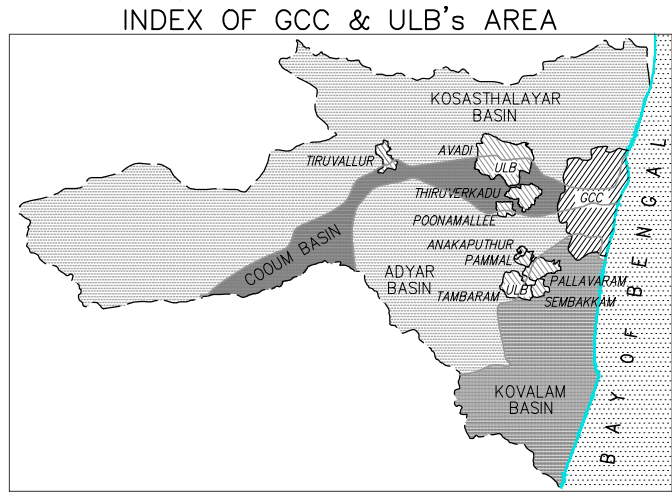
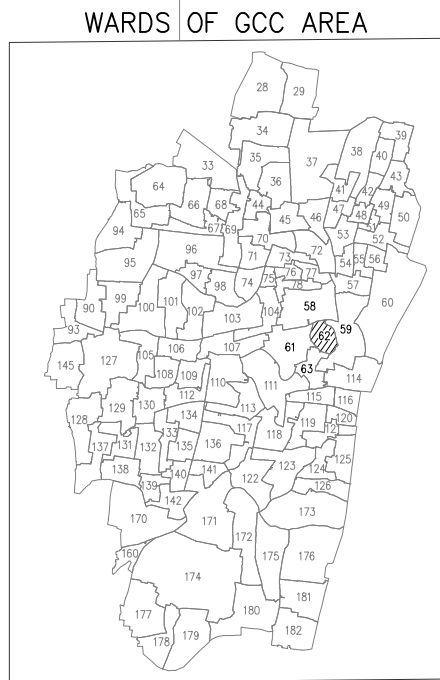
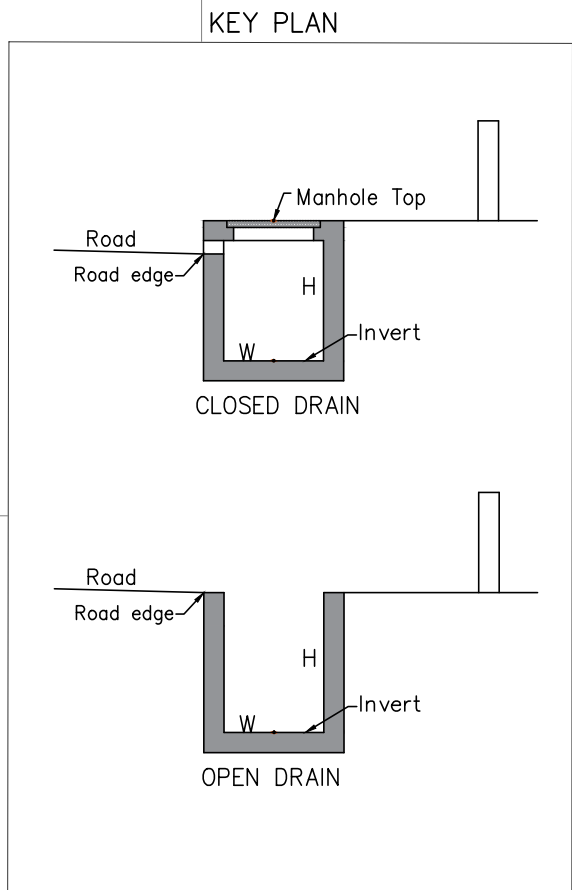
LIST OF POINTS							
SI No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL		DRAIN DIMENSIONS		
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1	C	4.278	—	4.103	Slab Type	Complittly Seald
2	A2	C	4.380	3.239	4.205	1.120	0.811
3	A3	C	4.009	2.793	3.951	1.100	0.966
4	A4	C	3.598	2.990	3.715	1.100	0.478
5	A5	C	3.737	2.583	3.481	1.100	0.854
6	A6	C	3.432	2.579	3.232	0.650	0.673
7	B1 (OL)	C	2.830	2.479	2.800	0.650	0.171
8	B2	C	2.975	1.811	2.797	2.600	0.164
9	B3	C	2.752	2.222	2.716	0.900	0.380
10	B4	C	2.819	1.997	2.651	0.650	0.642
11	B5	C	2.989	2.224	2.634	0.600	0.575
12	B6	C	3.236	2.070	3.188	0.480	1.086
13	B7	C	3.305	1.926	3.071	0.500	1.299
14	B8	C	3.192	2.193	2.990	0.500	0.919
15	C1 (OL)	C	2.938	1.608	2.756	0.950	0.730
16	C2	C	3.203	1.740	3.003	0.950	0.813
17	C3	C	3.269	2.057	3.387	0.940	0.792
18	C4	C	2.954	2.330	2.939	0.950	0.274
19	C5	C	2.673	—	2.631	Covered With Concrete	
20	C6	C	2.589	1.828	2.570	0.700	0.291
21	C7	C	2.793	2.007	2.512	1.200	0.586
22	C8	C	2.833	—	2.632	Fully Sealed and Damaged	
23	C9	C	2.595	2.270	2.643	0.800	0.125
24	C10	C	2.756	2.154	2.919	0.650	0.322
25	C11	C	3.063	2.248	3.020	0.650	0.375
26	C12	C	2.849	2.002	2.719	0.600	0.677
27	C13	C	2.614	1.681	2.432	0.650	0.433
28	C14	C	2.696	1.670	2.538	0.650	0.696
29	C15	C	2.959	2.149	2.713	0.600	0.610
30	C16	C	2.885	1.986	2.675	0.600	0.699
31	D1 (OL)	C	2.791	2.290	2.730	0.650	0.321
32	D2	C	2.957	2.054	2.898	1.300	0.553
33	D3	C	2.474	2.108	2.471	0.650	0.036
34	D4	C	2.456	2.115	2.422	0.650	0.091
35	E1 (OL)	C	3.811	1.965	3.433	0.650	1.646
36	E2	C	3.171	1.981	2.840	0.500	1.030
37	E3	C	2.787	1.864	2.591	0.500	0.723
38	E4 (OL)	C	3.871	1.956	3.991	1.000	1.315
39	E5	C	2.956	1.804	2.781	0.450	0.952
40	E6	C	2.742	2.061	2.651	0.450	0.481
41	F1 (OL)	C	3.841	2.249	3.696	0.850	0.792
42	F2	C	3.672	2.836	3.607	0.600	0.696
43	F3	C	3.306	2.593	3.249	0.800	0.533
44	F4	C	2.922	2.546	2.841	0.750	0.026
45	F5	C	2.799	2.348	2.533	0.650	0.181
46	F6	C	2.860	2.337	2.624	0.800	0.313
47	F7	C	2.753	2.017	2.490	0.650	0.536
48	F8	C	2.650	2.247	2.480	0.650	0.263
49	F9	C	2.833	1.980	2.748	0.650	0.693
50	F10	C	3.722	2.903	3.567	0.650	0.439
51	F11	C	3.269	2.039	3.054	0.650	1.020
52	F12	C	3.554	2.640	3.313	0.650	0.594
53	F13	C	3.568	3.093	3.434	0.650	0.295
54	F14	C	3.927	3.172	3.810	0.700	0.575
55	F15	C	4.018	3.319	3.709	0.700	0.529
56	F16	C	3.852	2.614	3.599	0.650	1.058
57	F17	C	3.929	3.386	3.737	0.650	0.363
58	F18	C	4.005	3.232	3.834	0.600	0.573
59	F19	C	3.965	3.459	3.691	0.650	0.306
60	G1	C	2.881	2.516	2.708	0.750	0.015
61	G2	C	3.535	2.648	3.221	0.700	0.687
62	G3	C	3.650	2.970	3.422	0.500	0.510
63	G4 (OL)	C	3.554	2.699	3.342	0.650	0.255

LEGEND

Drain Outlet

Drain With Reverse Gradient

"—" : Manhole's Inside not Accessible



LIST OF CONTROL POINTS						
SI. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)
1	T137	13°03'27.863"N	80°16'55.784"E	422172.904	1443631.119	4.87

Control Point Located on Ward-114



T137 13°03'27.863"N 80°16'55.784"E

Roads: main; others: mud. Cart track.

Temple. Chhatri. Shrine. Mosque. Idgah. Tomb. Church.

Railways: broad gauge with station; bridge; metro.

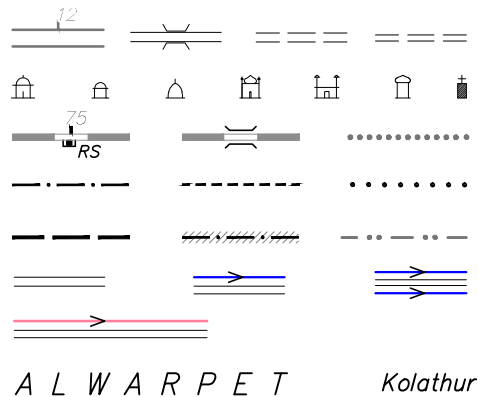
Boundary: state; district; taluk.

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.

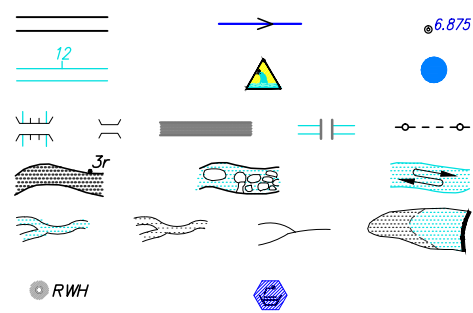
Canal. Outlet. Inundated area by previous flood.

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.



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. 62, ZONE V - ROYAPURAM

PROJECT CONSULTANTS



SECON - JBA Consulting
(India) (U.K.) JV

SHEET No.
11 OF 114

SCALE
1:5000

DRAWING No.

CFM/SWD/WARD-11

REV.
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