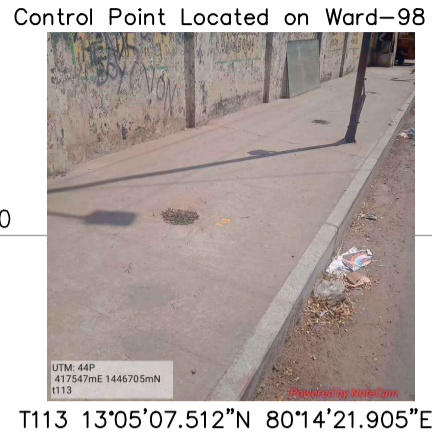


LIST OF POINTS							
Sl No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	5.353	-	4.973	-	-
2	A2	C	5.271	4.070	4.842	0.918	0.811
3	A3	C	5.257	4.106	5.087	0.908	0.850
4	B1 (OL)	C	4.832	4.481	4.762	0.761	0.100
5	C1 (OL)	C	5.028	3.427	4.934	0.801	1.350
6	C2	C	-	-	-	-	-
7	D1	C	4.279	-	4.130	-	-
8	D2	C	4.689	3.880	4.501	1.201	0.459
9	D3	C	4.978	3.877	4.796	1.201	0.751
10	D4	C	5.130	4.029	4.996	1.001	0.851
11	D5	C	5.000	4.499	5.035	0.981	0.300
12	D6	C	4.952	4.251	4.951	0.901	0.450
13	D7	C	4.855	4.054	4.898	0.901	0.550
14	D8	C	4.865	-	4.944	-	-
15	D9	C	4.889	3.788	4.890	0.901	0.842
16	D10	C	5.153	4.552	5.127	0.901	0.315
17	D11	C	4.805	4.065	4.851	0.801	0.590
18	D12	C	5.069	-	5.145	-	-
19	D13	C	5.401	4.600	5.174	0.801	0.651
20	D14	C	5.592	4.942	5.355	0.801	0.500
21	D15	C	5.877	4.796	5.783	0.801	0.931
22	D16	C	5.889	4.539	5.825	0.801	1.200
23	D17	C	4.986	4.136	4.952	0.918	0.649
24	D18	C	4.873	4.172	4.777	0.901	0.450
25	D19	C	4.987	-	4.707	-	-
26	D20	C	4.671	3.910	4.594	0.901	0.510
27	D21	C	4.711	4.231	4.725	0.601	0.329
28	D22	C	4.907	-	4.873	-	-
29	D23	C	4.722	3.921	4.740	0.801	0.680
30	D24	C	4.804	3.599	4.875	0.801	0.954
31	D25	C	3.801	2.800	3.729	0.901	0.750
32	D26	C	4.163	-	3.956	-	-
33	D27	C	4.119	3.818	3.881	0.901	0.051
34	D28	C	4.106	3.305	3.927	1.501	0.600
35	D29	C	4.219	3.068	4.045	1.501	0.950
36	D30	C	4.162	3.361	4.126	0.901	0.500
37	D31	C	4.367	3.266	4.253	0.901	0.800
38	D32	C	4.268	3.467	4.237	0.601	0.650
39	D33	C	4.334	3.633	4.360	0.901	0.400
40	D34	C	4.583	3.682	4.373	0.901	0.600
41	D35	C	4.734	3.683	4.438	0.901	0.750
42	D36	C	4.345	3.444	4.219	0.601	0.750
43	D37	C	4.350	3.649	4.169	0.601	0.550
44	E1	C	4.183	3.033	3.874	0.801	0.899
45	E2	C	4.344	3.243	4.066	0.801	0.850
46	E3	C	4.369	3.268	4.368	0.901	0.821
47	E4	O	3.759	2.758	3.752	0.981	-
48	F1	C	4.385	3.484	4.328	1.001	0.650
49	F2	C	4.523	3.622	4.389	1.001	0.650
50	F3	C	4.446	3.645	4.300	0.801	0.650
51	F4	C	4.411	3.810	4.350	0.901	0.300
52	F5	C	4.568	3.767	4.492	0.701	0.801
53	F6	C	4.549	3.848	4.508	0.901	0.400
54	H1	C	4.520	3.519	4.455	1.001	0.700
55	H2	C	4.358	3.757	4.273	1.001	0.300
56	G1	C	4.673	-	4.407	-	-
57	G2	C	4.385	3.384	4.347	1.101	0.600
58	G3	C	4.474	3.223	4.381	0.99	0.992



T113 13°05'07.512"N 80°14'21.905"E

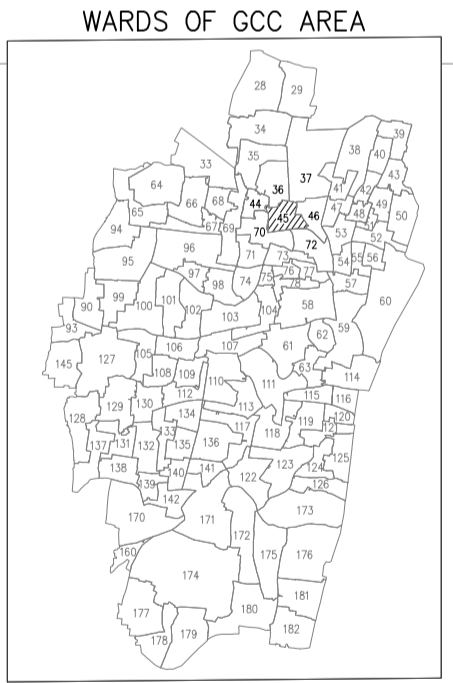
LIST OF CONTROL POINTS							
Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T113	13°05'07.512"N	80°14'21.905"E	417547.592	1446705.945	5.21	On top of Cement Concrete Basement

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.

Road with reverse gradient drain.

Spaced names: locality; village.

ALWARPET **Kolathur**

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

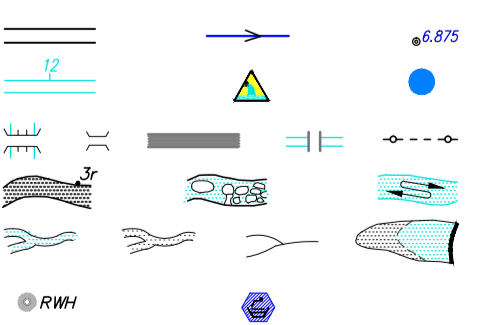
Canal. Outlet. Inundated area by previous flood.

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.



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 26th February to 27th 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).

CLIENT	GREATER CHENNAI CORPORATION (GCC) REPRESENTING COMMISSIONERATE OF REVENUE ADMINISTRATION AND DISASTER MANAGEMENT	
FUNDED BY	TNUIFSL	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. 45, ZONE IV - TONDIARPET	
PROJECT CONSULTANTS	SECON	SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 100 OF 114	SCALE 1:5000	DRAWING No. CFM/SWD/WARD-100
		REV. 0