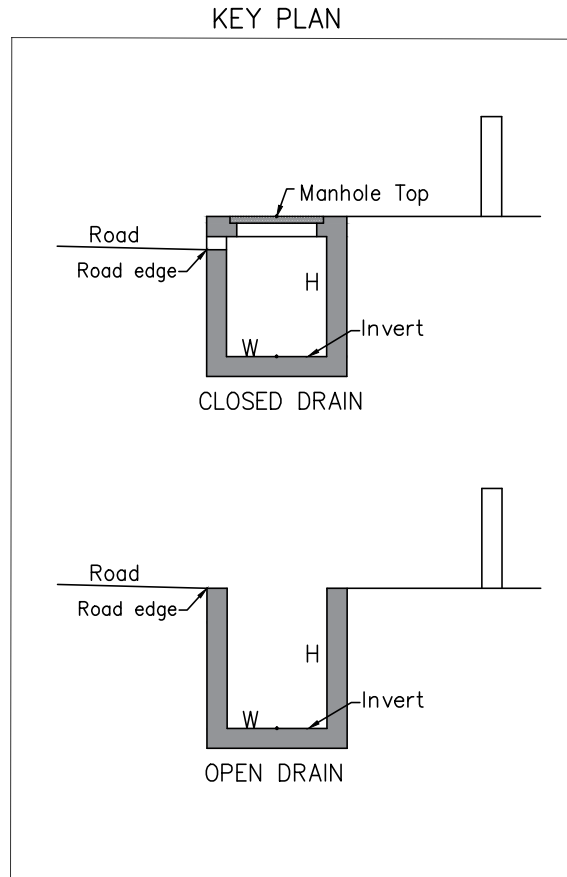


Sl. No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	2.842	1.486	2.518	1.205	1.006
2	A2	C	2.254	0.942	2.254	1.090	1.106
3	A3	C	2.385	1.257	2.412	0.955	0.927
4	A4	C	2.296	1.345	2.370	0.952	0.756
5	A5	C	2.507	1.676	2.405	0.905	0.646
6	A6	C	3.225	2.175	3.225	0.915	0.870
7	A7	C	3.418	2.255	3.260	1.025	0.778
8	A8	C	3.344	2.319	3.135	1.150	0.705
9	A9	C	3.123	2.030	3.304	1.152	0.808
10	A10	C	3.672	2.466	3.601	1.008	0.848
11	A11	C	3.586	2.506	3.582	0.655	0.761
12	A12	C	3.318	2.523	3.269	1.005	0.572
13	A13	C	3.241	2.613	3.241	0.601	0.443
14	A14	C	3.252	2.489	3.269	0.601	0.581
15	A15	C	3.349	2.243	3.292	1.105	0.887
16	A16	C	3.167	1.959	3.071	1.002	0.880
17	A17	C	3.177	2.321	3.021	0.901	0.646
18	A18	C	3.349	2.637	3.310	0.852	0.514
19	B1	C	3.485	3.326	3.377	0.651	0.705
20	B2	C	3.894	2.984	3.753	0.655	0.694
21	C1 (OL)	C	2.619	1.201	2.517	1.255	1.006
22	C2	C	2.569	1.241	2.578	1.010	1.113
23	C3	C	3.446	2.209	3.161	0.910	1.027
24	C4	C	3.079	2.187	2.992	0.852	0.703
25	C5	C	2.998	2.086	2.983	0.850	0.702
26	C6	C	3.095	2.117	3.110	0.812	0.761
27	C7	C	3.265	2.210	3.196	0.851	0.886
28	C8	C	3.353	2.262	3.374	0.936	0.921
29	C9	C	3.645	2.544	3.581	0.955	0.926
30	C10	C	3.609	2.886	3.502	1.002	0.522
31	C11	C	3.062	1.845	3.042	0.910	1.028
32	C12	C	3.223	2.070	3.256	0.901	0.952
33	C13	C	3.247	2.149	3.196	0.815	0.886
34	C14	C	3.353	2.325	3.395	0.810	0.833
35	C15	C	3.412	2.825	3.347	0.802	0.374
36	C16	C	3.381	2.056	3.380	0.819	1.140
37	C17	C	2.975	2.430	2.940	0.805	0.350
38	C18	C	3.590	1.992	3.570	1.065	1.803
39	C19	C	3.294	2.192	3.257	0.856	0.913
40	C20	C	3.124	2.151	3.114	0.855	0.758
41	C21	C	3.267	2.290	3.157	0.801	0.726
42	C22	C	3.480	2.402	3.402	0.902	0.883
43	C23	C	3.284	2.297	3.309	0.815	0.806
44	C24	C	3.137	2.239	3.142	0.820	0.703
45	C25	C	3.287	2.266	3.290	0.857	0.832
46	C26	C	3.258	2.372	3.350	0.842	0.697
47	C27	C	3.224	2.251	3.275	0.820	0.778
48	C28	C	3.210	2.118	3.157	0.830	0.897
49	C29	C	3.025	2.008	2.938	0.840	0.822
50	C30	C	3.448	2.536	3.352	0.851	0.740
51	D1 (OL)	C	3.581	1.063	3.034	1.250	1.968
52	D2	C	2.977	1.865	2.908	0.850	0.972
53	D3	C	3.038	1.880	2.940	0.807	0.940
54	D4	C	2.600	1.871	2.486	0.955	0.521
55	D5	C	2.462	1.697	2.674	0.802	0.555
56	D6	C	2.488	1.728	2.523	0.805	0.550
57	D7	C	2.674	1.577	2.596	0.810	0.872
58	D8	C	2.916	2.395	2.975	0.607	0.335
59	D9	C	3.104	2.392	2.958	0.610	0.520
60	D10	C	2.608	1.543	2.384	1.002	0.863
61	D11	C	2.767	1.866	2.545	1.005	0.713
62	E1	C	4.539	3.556	4.564	0.995	0.658
63	E2	C	4.381	3.244	4.382	1.002	0.756
64	E3	C	4.527	3.404	4.530	1.007	0.704
65	E4	C	4.810	4.172	4.460	0.608	0.443
66	E5	C	4.883	3.901	4.564	0.601	0.784
67	E6	C	5.001	4.350	4.753	0.801	0.438
68	E7	C	3.686	3.118	3.488	1.010	0.209
69	E8	C	3.753	2.644	3.558	1.005	0.707
70	E9	C	3.913	3.228	3.763	0.854	0.488
71	E10	C	3.669	2.631	3.517	0.851	0.835
72	E11	C	3.835	3.027	3.735	0.705	0.621
73	E12	C	3.785	3.090	3.589	0.895	0.505
74	E13	C	3.750	2.753	3.472	0.903	0.805
75	E14	C	3.630	2.769	3.457	0.850	0.671
76	E15	C	3.240	2.403	3.073	0.855	0.648
77	E16	C	4.633	3.832	4.418	0.803	0.588
78	E17	C	4.571	3.961	4.389	0.901	0.435

Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T71	13°09'13.053"N	80°16'49.517"E	422014.337	1454236.155	2.815	On top of Cement Concrete



- 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.
- 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.

**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 4th March to 8th March 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	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. 38, ZONE IV - TONDIARPET		
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV		
SHEET No. 107 OF 114	SCALE 1:5000	DRAWING No. CFM/SWD/WARD-107	REV. 0