

LIST OF POINTS							Easting	Northing
SI No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL Drain Top(m)	Invert (m)	Road Edge (m)	DRAIN DIMENSIONS Width (m) Depth (m)		
1	A1	C	5.134	4.924	5.113	0.000	422750	1307200
2	A2	C	5.176	4.246	5.223	0.850	423000	1307200
3	A3	C	5.143	4.243	5.152	0.890	423500	1307200
4	A4	C	6.036	5.136	5.849	0.890	424000	1307200
5	B1	C	5.325	4.675	5.178	0.890	424500	1307200
6	B2	C	5.459	4.559	5.227	0.890	425000	1307200
7	B3	C	4.089	3.289	4.115	0.890	425500	1307200
8	C1	C	4.266	3.776	4.091	0.850	426000	1307200
9	C2	C	4.149	3.849	4.064	0.650	426500	1307200
10	C3	C	4.076	3.276	4.034	0.890	427000	1307200
11	C4	C	3.865	3.293	3.804	0.850	427500	1307200
12	C5	C	3.507	2.957	3.333	0.850	428000	1307200
13	C6	C	3.292	2.842	3.003	0.850	428500	1307200
14	C7	C	3.847	3.347	3.685	0.850	429000	1307200
15	C8	C	3.235	2.785	3.006	0.850	429500	1307200
16	C9	C	3.272	2.822	3.080	1.050	430000	1307200
17	C10	C	3.153	2.853	3.022	0.950	430500	1307200
18	C11	C	3.231	2.881	3.076	0.950	431000	1307200
19	C12	C	3.235	3.035	3.092	—	431500	1307200
20	C13	C	3.266	3.251	3.221	—	432000	1307200
21	C14	C	3.388	2.588	3.365	0.900	432500	1307200
22	C15	C	3.451	2.651	3.289	0.900	433000	1307200
23	C16	C	3.045	2.545	3.061	0.600	433500	1307200
24	C17	C	3.006	2.556	3.006	0.550	434000	1307200
25	C18	C	3.135	2.725	3.125	0.550	434500	1307200
26	C19	C	3.188	2.188	3.177	1.400	435000	1307200
27	C20	C	3.193	2.393	3.207	1.000	435500	1307200
28	C21	C	3.413	2.813	3.373	1.000	436000	1307200
29	C22	C	3.671	2.841	3.522	1.330	436500	1307200
30	C23	C	3.705	2.885	3.559	1.300	437000	1307200
31	C24	C	3.807	2.920	3.788	1.2800	437500	1307200
32	C25	C	3.355	2.705	3.352	1.200	438000	1307200
33	C26	C	3.334	2.734	3.354	1.150	438500	1307200
34	C27	C	3.232	2.332	3.193	1.300	439000	1307200
35	C28	C	3.657	2.757	3.648	1.300	439500	1307200
36	C29	C	3.650	2.550	3.601	1.300	440000	1307200
37	C30	C	3.645	2.745	3.630	1.300	440500	1307200
38	C31	C	3.454	3.254	3.305	—	441000	1307200
39	C32	C	3.747	4.964	3.501	1.300	441500	1307200
40	D1 (RWH)	C	3.998	2.702	3.757	0.650	442000	1307200
41	D2	C	4.566	3.216	4.414	1.340	442500	1307200
42	D3	C	4.412	3.562	4.218	1.650	443000	1307200

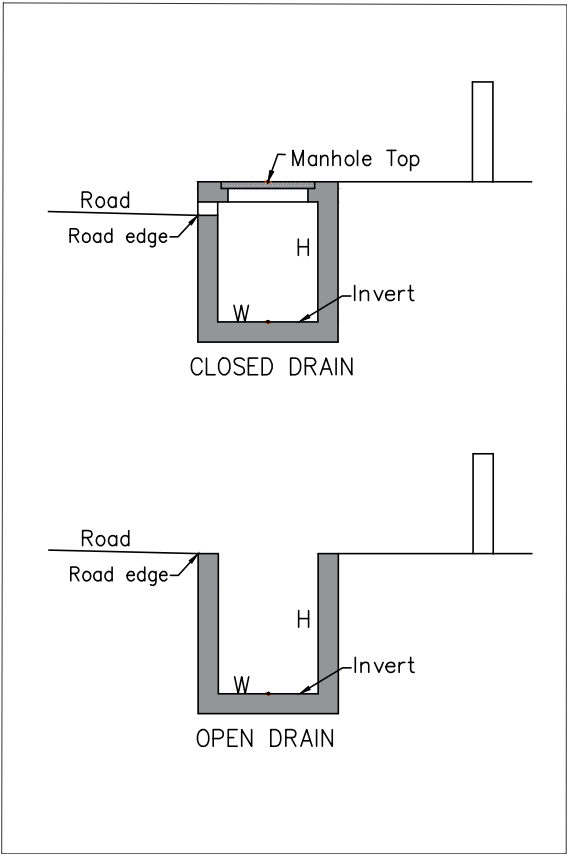
LEGEND

Drain Outlet

Drain With Reverse Gradient

— : Manhole's Inside not Accessible

KEY PLAN



Control Point Located on Ward-60



T121 13°04'54.084"N 80°17'18.708"E

WARD 52

WARD 49

WARD 43

WARD 50

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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handled by authorised persons only.

SHEET HISTORY:
Base map compiled from the details/data provided
by Greater Chennai Corporation (GCC)
Surveyed between 16th February to 18th 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).

LIST OF CONTROL POINTS

SI. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T121	13°04'54.084"N	80°17'18.708"E	422870.762	1446277.943	4.440	On top of RCC Basement

Roads: main; others; mud. Cart track.

Temple. Chhatra. Shrine. Mosque. Idgah. Tomb. Church.

Railways: broad gauge with station; bridge; metro.

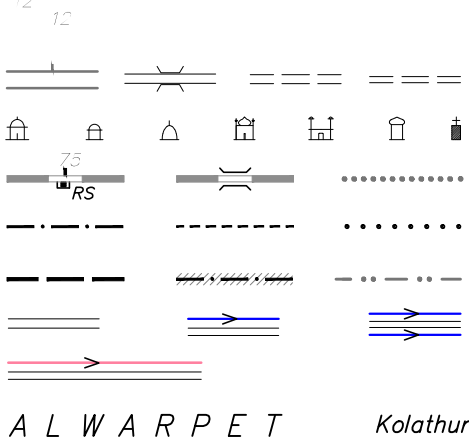
Boundary: state; district; taluk.

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.

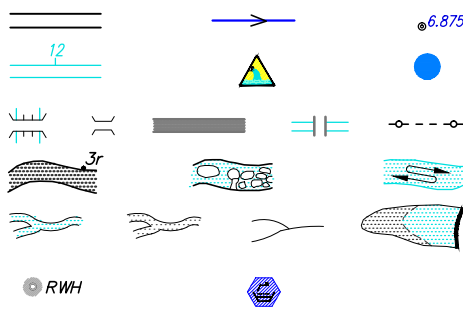
Canal. Outlet. Inundated area by previous flood..

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.



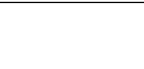
GREATER CHENNAI CORPORATION (GCC)
REPRESENTING COMMISSIONERATE OF REVENUE ADMINISTRATION
AND DISASTER MANAGEMENT



PROJECT DEVELOPMENT GRANT FUND (PDGF)
(Managed by Tamil Nadu Urban Infrastructure Financial Services Limited)



PLANNING, SETTING UP AND OPERATIONALIZING REAL TIME
FLOOD FORECASTING SPATIAL DECISION SUPPORT SYSTEM FOR CHENNAI



BASE MAP - STORM WATER DRAIN
WARD No. 50, ZONE V - ROYAPURAM



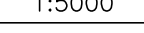
SECON - JBA Consulting
(India) (U.K.) JV



SHEET No. 95 OF 114



SCALE 1:5000



DRAWING No. CFM/SWD/WARD-95



REV. 0