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	C	6.125	4.867	5.823	0.801	0.557
2	A2	C	5.707	4.506	5.564	0.801	0.500
3	A3 (OL)	C	5.676	4.225	5.601	0.801	0.450
4	B1	C	5.575	3.874	5.391	0.550	0.250
5	B2	C	5.571	3.470	5.327	0.551	0.750
6	C1	C	6.388	4.887	6.297	1.001	0.700
7	C2	C	6.460	4.859	6.248	1.001	0.650
8	C3	C	6.182	5.081	6.125	1.001	0.350
9	C4	C	6.468	4.867	6.300	1.101	0.900
10	C5	C	6.826	5.176	6.800	1.001	0.749
11	C6	C	6.928	–	6.849	–	–
12	C7	C	7.118	–	7.005	–	–
13	C8	C	7.287	5.937	7.204	1.101	0.949
14	C9	C	6.892	6.291	6.788	1.101	0.400
15	C10	C	6.744	5.743	6.623	1.101	0.800
16	C11	C	6.989	5.388	6.784	0.901	0.600
17	C12	C	6.670	6.169	6.638	0.801	0.300
18	C13	C	7.060	6.009	6.951	0.801	0.850
19	C14	C	6.898	–	6.876	–	–
20	C15	C	7.120	6.769	7.099	0.451	0.150
21	C16	C	6.720	5.769	6.548	1.001	0.650
22	C17	C	6.796	5.545	6.568	1.001	0.950
23	C18	C	6.827	5.826	6.711	1.001	0.700

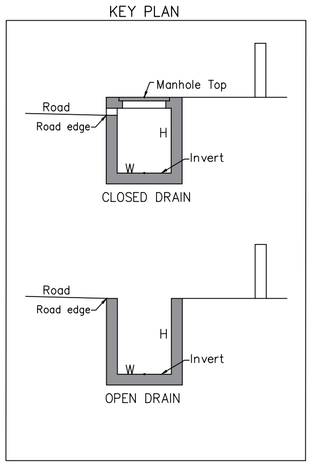
LEGEND

Drain Outlet

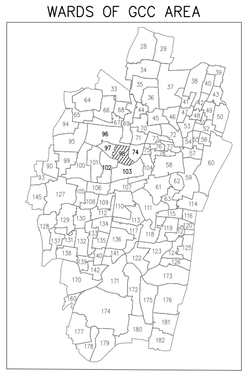
Drain With Reverse Gradient

"–" : Manhole's Inside not Accessible

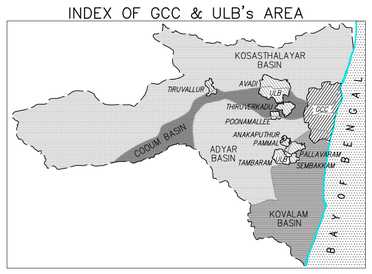
KEY PLAN



WARDS OF GCC AREA



INDEX OF GCC & ULB's AREA



80°13'40"E E416500 80°13'50"E 80°14'0"E E417000 80°14'10"E E417500 80°14'20"E 80°14'30"E E418000 80°14'40"E 80°14'50"E E418500

N1448500 13°06'0"N N1448000 13°05'50"N N1447500 13°05'40"N N1447000 13°05'30"N N1446500 13°05'20"N 13°05'10"N 13°05'0"N

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 6th February to 8th 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).

N

WARD 96 · WARD 97 · WARD 98 · WARD 74 · WARD 102 · WARD 103

Manapakkam 0.8 km · Mettu Road · Narayanan Road · Ranganatha Street · Ramanthan Street · Ramanthan Street Lane · Palaniappa Street · Palaniappa 1st Street · Palaniappa Street · NMK Street · VenKatesapuram Colony South Street · Ambedkar Nagar 2nd Street · Ambedkar Nagar 1st Street · Anna Street · Anna 3rd Cross Street · Anna 2nd Cross Street · Anna 1st Cross Street · Parthasarathy Street · AYANAVARAM · C. K. Street · D. B. Shanmugam Street · Police Manickam Street · Ujjini Street · Mettu Road · Kaliamman Street · Kaliamman Kovil Street · Solaiamman Kovil Street · Solaiamman Koil Cross Street · THIRUVALLUVAR NAGAR · Madha Koil Lane · Ayanavaram Road · Kilpauk Water Works · Raaj Street · Pallajam Nagar 0.4 km · New Avadi Road · Water Work Avenue Road · Bumping Station Road · Aspiran Garden 2nd Street · Aspiran Garden 1st Street · Culvert · Vasery 0.4 km · Otteri Nala · Kuttiappan 1st Street · Kuttiappa 1st Road · Kuttiappa 2nd Road · Deepam Eye Hospital · Lock Street · David Nagar Street · Lockma Nagar Street · Meenambakkam Tank Road · Culvert · Doraipakkam 0.5 km

C15 6.769 · C14 · C13 6.009 · C1 4.887 · C18 5.826 · C17 5.545 · C12 6.169 · C10 5.743 · C16 5.769 · C9 6.291 · C11 5.388 · C8 5.937 · C7 · C6 · C5 5.176 · C4 4.867 · C2 4.859 · C3 5.081 · A1 4.867 · A2 4.506 · T113 5.21 · A3 (OL) 4.225 · B2 3.470 · B1 3.874

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

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.

RWH

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. 98, ZONE VIII - ANNA NAGAR	
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV	
SHEET No. 68 OF 114	SCALE 1:5000	DRAWING No. CFM/SWD/WARD-68 REV. 0