

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	3.440	-	3.476	-	-
2	A2	C	3.381	2.301	3.324	1.000	0.860
3	A3	C	3.339	2.659	3.394	0.650	0.229
4	A4	C	3.518	2.518	3.480	0.700	0.600
5	A5	C	3.939	2.793	3.984	0.752	0.900
6	A6	C	3.483	-	3.430	-	-
7	A7	C	3.339	-	3.341	-	-
8	B1	C	4.948	-	4.945	-	-
9	B2	C	4.978	4.156	4.947	0.860	0.572
10	B3	C	5.733	4.929	5.731	0.862	0.602
11	B4	C	5.879	-	5.859	-	-
12	B5	C	6.044	-	6.014	-	-
13	C1	C	3.874	-	3.821	-	-
14	C2	C	3.938	-	3.892	-	-
15	C3	C	3.202	2.279	3.160	0.803	0.721
16	C4	C	3.439	2.239	3.353	3.439	0.800
17	C5	C	3.683	-	3.541	-	-
18	C6	C	3.681	3.081	3.541	0.500	0.420
19	C7	C	3.890	2.987	3.922	1.221	0.521
20	C8	C	4.963	3.263	4.861	1.370	0.600
21	C9	C	5.067	-	5.032	-	-
22	C10	C	5.150	4.127	5.102	0.902	0.702
23	C11	C	5.214	4.605	5.178	0.632	0.307
24	C12	C	3.768	2.816	3.708	0.602	0.702
25	C13	C	4.675	3.893	4.648	0.602	0.602
26	C14	C	5.025	3.943	4.873	0.650	0.880
27	C15	C	5.082	4.082	4.914	0.852	0.700
28	C16	C	5.141	4.389	5.045	0.805	0.431
29	C17	C	5.600	4.300	5.490	0.900	0.500
30	C18	C	5.415	4.315	5.457	0.805	0.780
31	C19	C	5.734	4.911	5.739	0.805	0.602
32	C20	C	5.574	4.574	5.493	0.805	0.700
33	C21	C	5.244	-	5.285	-	-
34	C22	C	5.453	4.953	5.523	0.850	0.300
35	C23	C	5.405	-	5.405	-	-

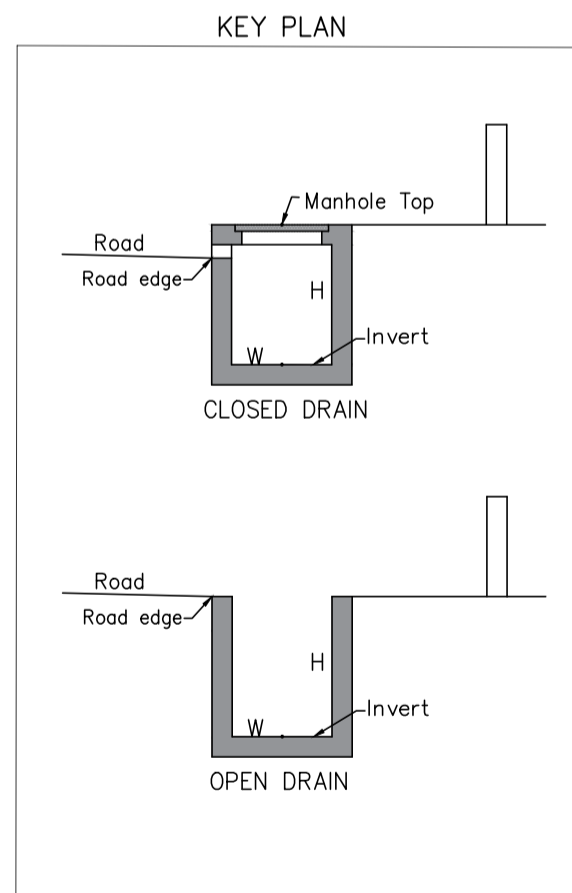
LIST OF CONTROL POINTS							
SI. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	T121	13°04'54.084"N	80°17'18.709"E	422870.762	1446277.943	4.44	On top of RCC Basement

LEGEND

Drain Outlet

Drain With Reverse Gradient

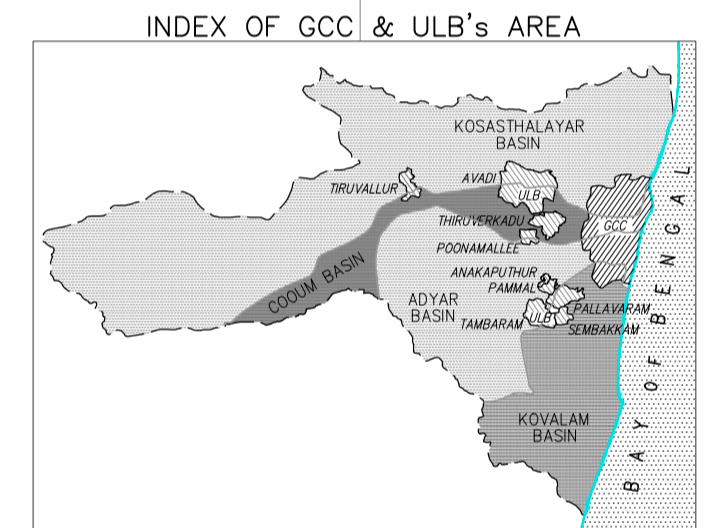
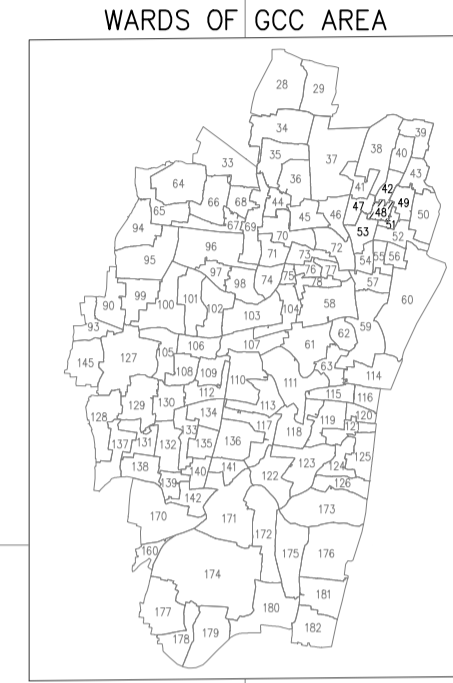
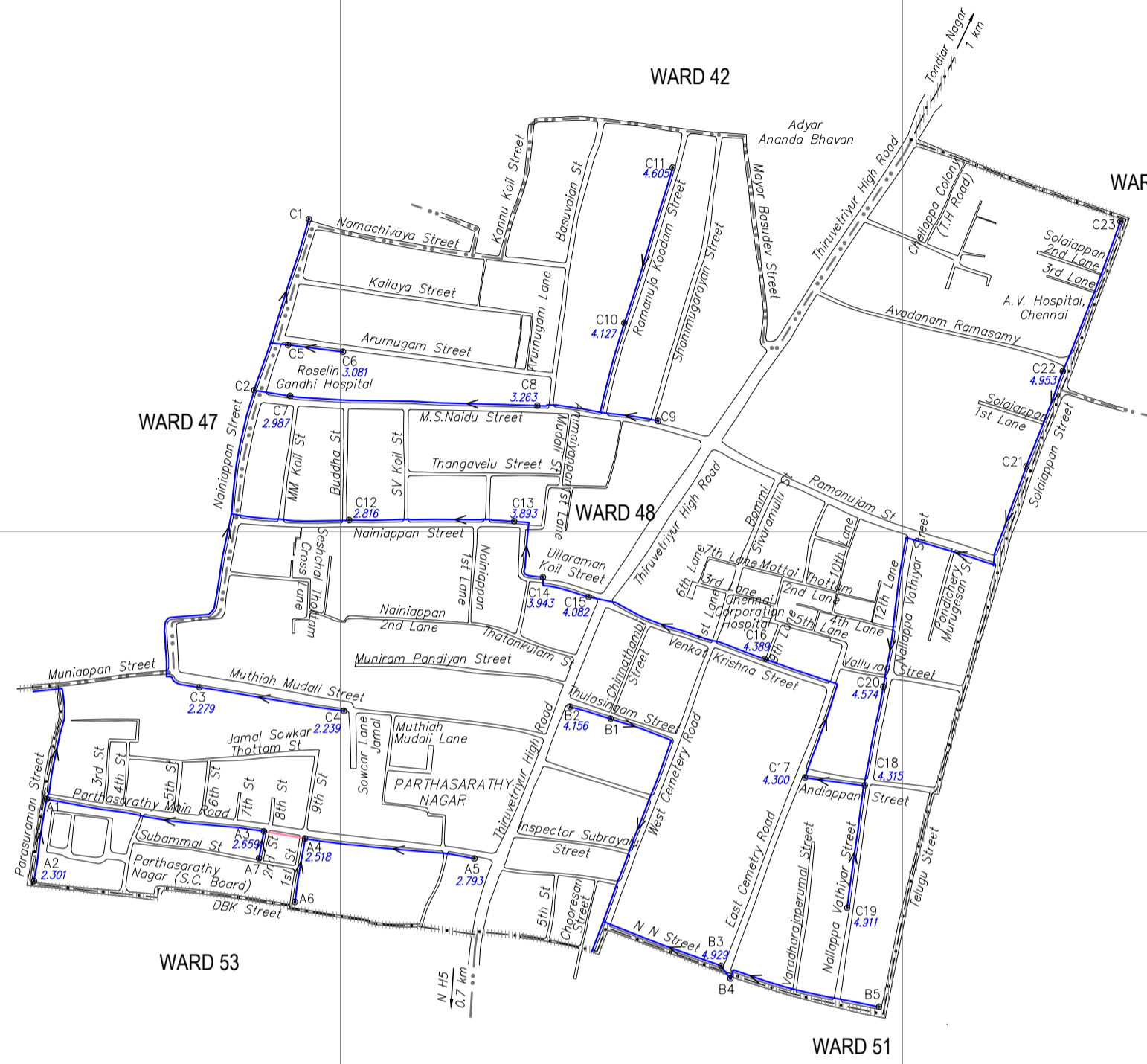
"-" : Manhole's Inside not Accessible



Control Point Located on Ward-60



T121 13°04'54.084"N 80°17'18.709"E



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 8th 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).

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.	

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. 48, ZONE IV - TONDIARPET
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 97 of 114	SCALE 1:5000 DRAWING No. CFM/SWD/WARD-97 REV. 0