

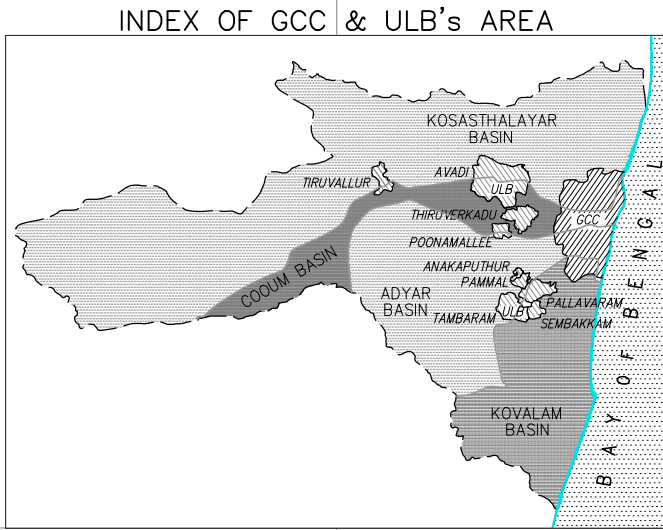
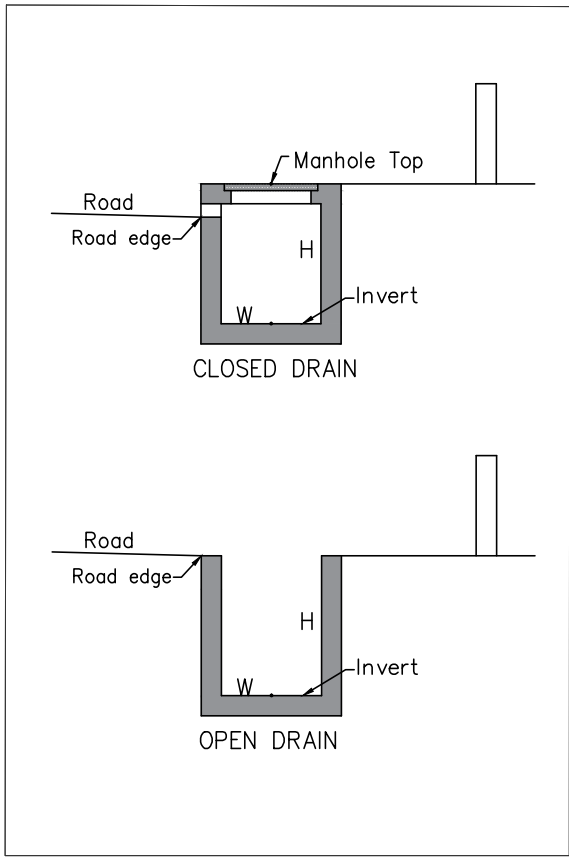


LIST OF POINTS							
SI No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1	C	4.789	3.689	4.760	1.000	0.900
2	A2	C	3.437	2.337	3.364	0.950	0.950
3	A3	C	3.257	2.557	3.110	0.900	0.500
4	A4	C	3.302	2.402	3.038	0.600	0.700
5	A5	C	3.061	2.464	3.040	0.600	0.450
6	A6	C	3.009	2.509	2.943	0.600	0.300
7	A7	C	3.454	2.354	3.314	0.950	0.900
8	A8	C	3.627	2.527	3.366	0.950	0.950
9	A9	C	3.607	2.807	3.395	0.850	0.650
10	A10	C	3.435	2.535	3.289	1.000	0.700
11	A11	C	3.515	2.715	3.280	0.900	0.650
12	A12	C	3.794	2.994	3.634	0.900	0.700
13	A13	C	5.232	4.432	5.038	1.000	0.600
14	A14	C	3.261	2.261	3.220	1.100	0.800
15	A15	C	3.604	2.504	3.375	0.900	0.900
16	A16	C	3.899	2.699	3.685	0.900	1.000
17	A17	C	3.341	2.179	3.294	0.950	1.000
18	A18	C	3.217	2.017	3.232	1.000	1.000
19	A19	C	3.224	2.524	3.062	0.800	0.500
20	A20	C	3.349	2.249	3.468	0.200	0.850
21	A21	C	4.330	3.330	4.308	1.250	0.750
22	A22	C	4.650	3.550	4.648	1.250	0.850
23	A23	C	4.717	3.817	4.702	1.250	0.650
24	A24	C	3.156	2.256	3.080	0.750	0.650
25	A25	C	3.245	2.145	3.258	0.600	0.900
26	A26	C	3.179	1.979	3.136	0.600	1.000
27	A27	C	3.154	3.054	3.154	0.700	0.800
28	A28	C	3.255	2.255	3.233	0.700	0.800
29	B1	C	3.370	2.270	3.343	1.000	0.900
30	B2	C	3.084	1.884	3.084	0.700	1.000

LEGEND

-  Drain Outlet
-  Drain With Reverse Gradient
- "-" : Manhole's Inside not Accessible

KEY PLAN

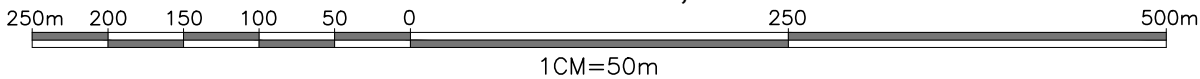


Control Point Located on Ward-60



T121 13°04'54.084"N 80°17'18.709"E

SCALE 1 : 5,000

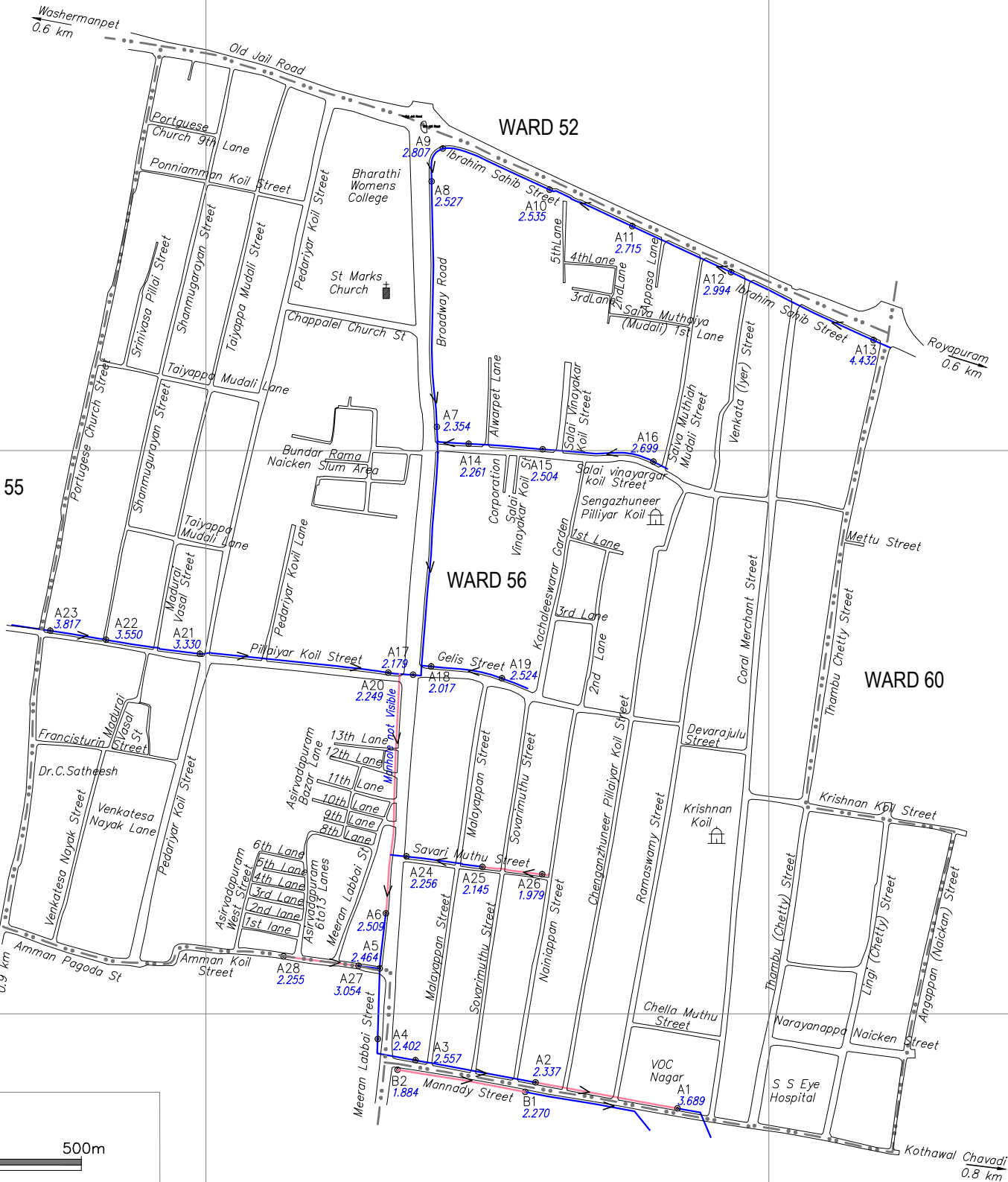


PROJECTION:  
The metric grid on this sheet is the UTM grid,  
Zone 44 N, WGS 84 Spheroid, M.S.L. Datum.  
All Dimensions are in Metres.

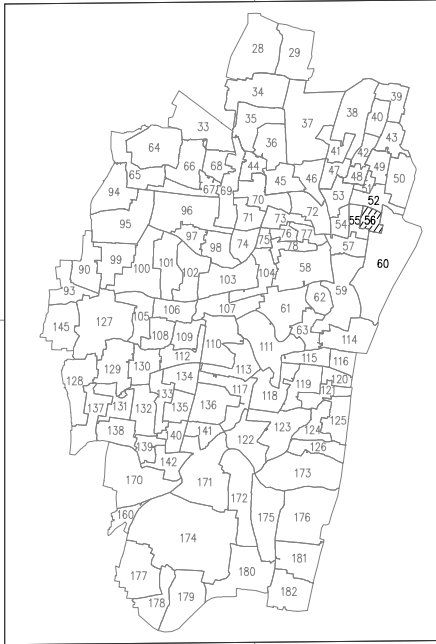
WARNING:  
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SHEET HISTORY:  
Base map compiled from the details/data provided  
by Greater Chennai Corporation (GCC)  
Surveyed between 16th February to 18th February 2021

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).



WARDS OF GCC AREA



LIST OF CONTROL POINTS

Sl. 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

Roads: main; others; mud. Cart track.

Temple. Chhatri. Shrine. Mosque. Idgah. Tomb. Church.

Railways: broad gauge with station; bridge; metro.

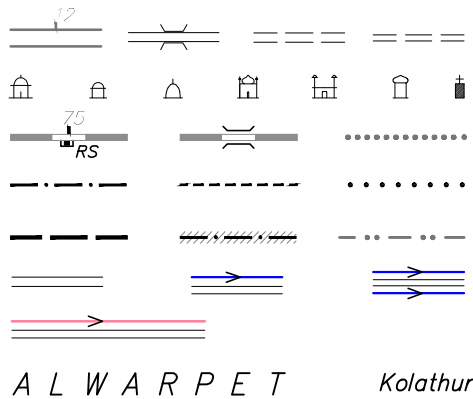
Boundary: state; district; taluk.

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.

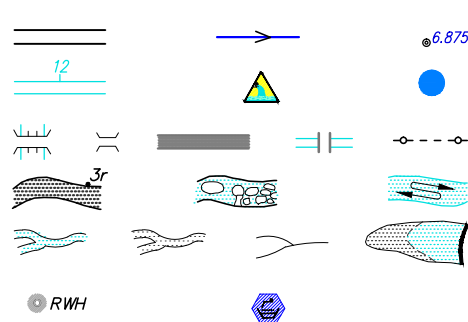
Canal. Outlet. Inundated area by previous flood.

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. 56, ZONE V - ROYAPURAM

PROJECT CONSULTANTS



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



SHEET No.  
87 OF 114

SCALE  
1:5000

DRAWING No.

CFM/SWD/WARD-87

REV.  
0