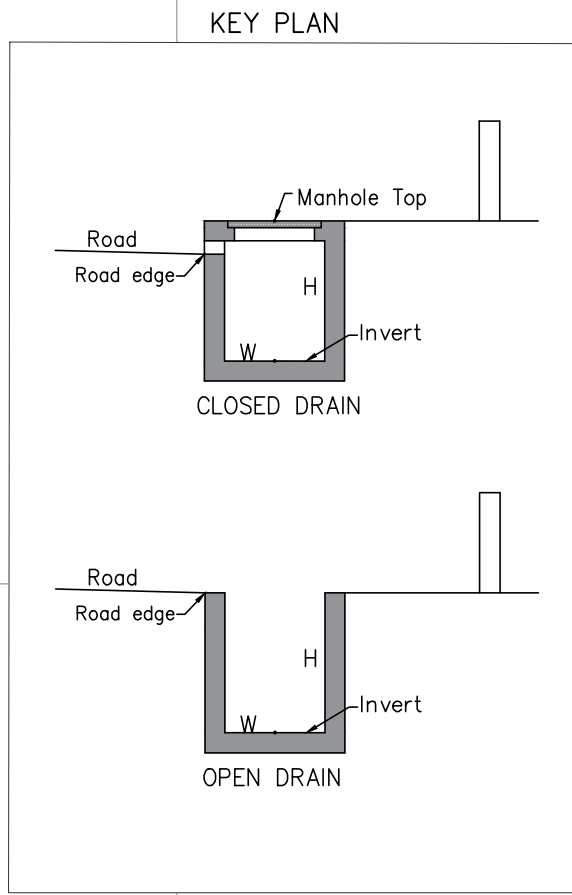
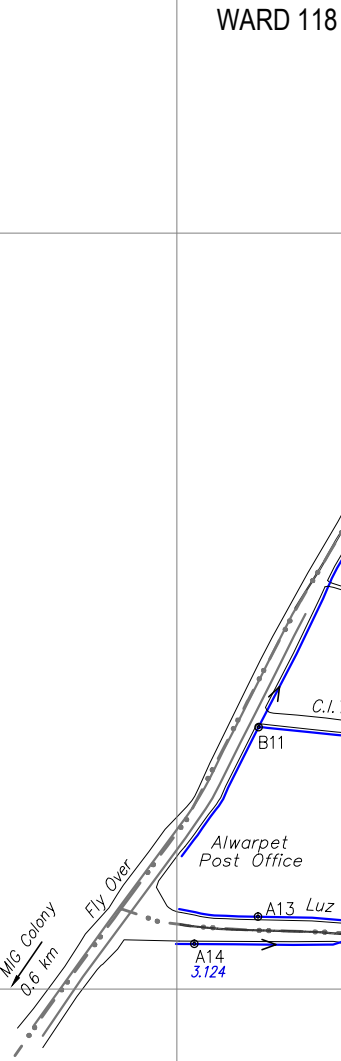


LIST OF POINTS							
SI No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1	C	3.040	1.739	2.920	1.401	0.900
2	A2	C	3.411	2.410	3.243	1.151	0.650
3	A3	C	3.338	2.637	3.176	0.701	0.550
4	A4	C	3.632	2.031	3.424	0.701	1.450
5	A5	C	3.652	—	3.458	—	—
6	A6	C	4.175	—	4.139	—	—
7	A7	C	4.368	3.967	4.117	0.701	0.250
8	A8	C	4.494	3.193	4.293	0.901	1.000
9	A9	C	4.239	3.088	4.263	0.901	0.850
10	A10	C	4.259	2.808	4.115	0.701	0.750
11	A11	C	3.918	2.967	3.799	0.701	0.450
12	A12	C	3.621	3.120	3.644	0.701	0.350
13	A13	C	4.459	—	4.296	—	—
14	A14	C	4.925	3.124	4.728	0.901	0.300
15	A15	C	3.282	—	3.109	—	—
16	A16	C	3.494	2.193	3.329	1.501	1.151
17	B1	C	3.892	—	3.762	—	—
18	B2	C	3.582	2.481	3.668	0.901	0.950
19	B3	C	3.020	2.219	2.920	0.901	0.650
20	B4	C	3.649	2.248	3.442	0.901	1.100
21	B5	C	3.901	—	3.738	—	—
22	B6	C	4.843	—	4.631	—	—
23	B7	C	5.292	—	5.119	—	—
24	B8	C	5.069	4.068	4.591	0.901	0.801
25	B9	C	5.262	—	5.071	—	—
26	B10	C	5.755	—	5.735	—	—
27	B11	C	4.783	—	4.752	—	—
28	B12	C	4.114	3.713	3.810	0.701	0.050
29	B13	C	5.029	4.128	4.508	0.901	0.701
30	B14	C	3.439	—	3.232	—	—
31	B15	C	3.658	2.157	3.360	1.001	0.800
32	B16	C	3.701	—	3.819	—	—
33	B17	C	4.370	3.069	4.363	0.901	1.150
34	B18	C	3.946	2.995	3.781	0.601	0.700
35	B19	C	3.927	2.576	3.681	0.601	0.950
36	B20	C	4.057	3.256	3.832	0.901	0.650
37	B21	C	3.957	—	3.995	—	—
38	B22	C	4.203	3.202	4.182	1.001	0.650
39	B23	C	5.247	—	5.045	—	—
40	B24	C	4.860	3.459	4.582	0.701	1.250
41	B25	C	4.986	3.585	4.820	0.701	1.250
42	B26	C	4.880	4.229	4.767	0.550	0.500
43	B27	C	5.208	—	5.094	—	—
44	B28	C	4.791	3.090	4.842	1.101	1.200
45	B29	C	4.822	3.821	4.788	0.781	0.500
46	B30	C	4.959	—	4.735	—	—
47	B31	C	5.089	—	4.883	—	—
48	B32	C	4.194	3.194	4.186	1.001	0.799
49	B33	C	4.399	3.198	4.390	1.001	1.000
50	B34	C	4.371	—	4.320	—	—
51	B35	C	4.039	3.038	3.924	1.001	0.800
52	B36	C	3.968	2.967	3.994	1.001	0.800
53	B37	C	3.866	2.865	3.676	0.601	0.700
54	B38	C	3.963	2.962	3.801	1.001	0.600
55	B39	C	3.925	2.924	3.721	0.901	0.600
56	B40	C	4.906	—	4.913	—	—
57	B41	C	5.247	—	5.050	—	—
58	B42	C	5.515	4.964	5.257	0.901	0.350
59	B43	C	4.158	2.857	3.989	0.601	0.900
60	B44	C	4.653	3.202	4.410	1.001	1.300
61	B45	C	4.918	3.467	4.772	1.001	1.300
62	B46	C	5.285	—	5.285	—	—
63	B47	C	3.367	—	3.314	—	—
64	B48	C	3.508	3.057	3.478	0.901	0.300
65	B49	C	3.772	3.171	3.605	0.551	0.450
66	B50	C	4.410	—	4.406	—	—
67	C1	C	4.633	—	4.635	—	—
68	C2	C	4.613	—	4.582	—	—
69	C3	C	4.643	—	4.334	—	—
70	C4	C	4.373	—	4.346	—	—
71	C5	C	4.317	3.216	4.097	1.001	0.800
72	C6	C	4.303	—	4.079	—	—
73	C7	C	4.299	3.298	4.157	0.601	0.600
74	C8	C	4.595	—	4.414	—	—
75	C9	C	5.034	4.283	4.825	0.601	0.150
76	C10	C	5.453	5.252	5.285	0.601	0.050
77	C11	C	5.487	—	5.285	—	—
78	C12	C	5.093	4.142	5.072	1.001	0.750
79	C13	C	4.562	—	4.604	—	—
80	C14	C	4.314	—	4.313	—	—
81	C15	C	4.601	3.900	4.535	0.901	0.550
82	C16	C	4.623	3.822	4.649	0.901	0.600
83	C17	C	4.739	3.838	4.683	0.901	0.600
84	C18	C	4.605	3.504	4.621	0.901	0.850
85	C19	C	4.939	3.838	4.633	0.601	0.950
86	C20	C	4.775	—	4.813	—	—
87	C21	C	4.746	4.145	4.831	0.903	0.250
88	C22	C	5.238	4.137	4.888	0.901	0.750
89	C23	C	4.723	3.722	4.631	0.901	0.850
90	C24	C	4.752	3.751	4.631	0.901	0.650
91	C25	C	4.961	—	4.807	—	—
92	C26	C	4.746	—	4.710	—	—
93	C27	C	4.567	—	4.210	—	—
94	C28	C	4.402	2.951	4.143	0.801	1.200
95	C29	C	4.506	3.305	4.370	0.801	0.950
96	C30	C	4.647	3.296	4.502	0.810	1.100
97	C31	C	5.412	—	5.332	—	—
98	C32	C	4.559	—	4.513	—	—
99	C33	C	4.805	—	4.796	—	—
100	C34	C	3.600	—	3.465	—	—
101	C35	C	4.190	—	4.144	—	—
102	C36	C	4.319	3.068	4.337	1.001	1.000
103	C37	C	4.946	—	4.901	—	—
104	C38	C	5.437	—	5.223	—	—
105	C39	C	4.498	2.997	4.299	1.101	0.600
106	C40	C	4.251	—	4.166	—	—
107	C41	C	4.213	—	4.180	—	—
108	C42	C	4.221	—	4.018	—	—
109	C43	C	4.202	—	4.140	—	—

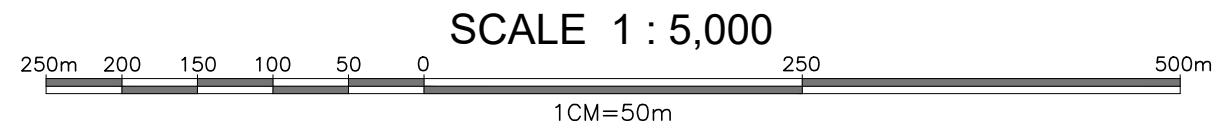
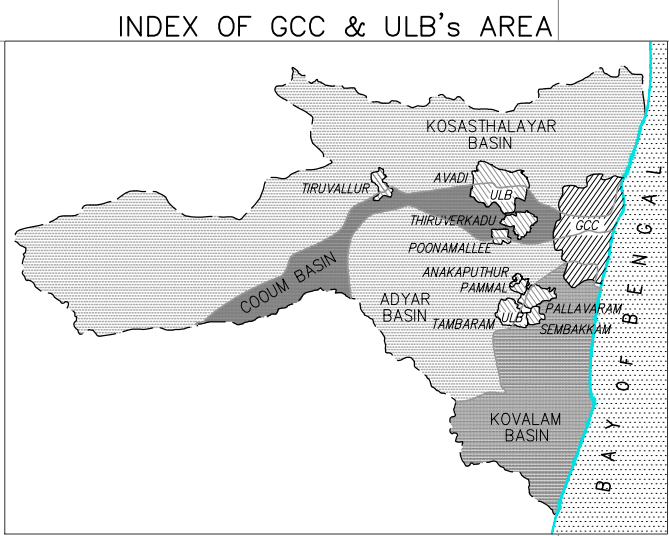
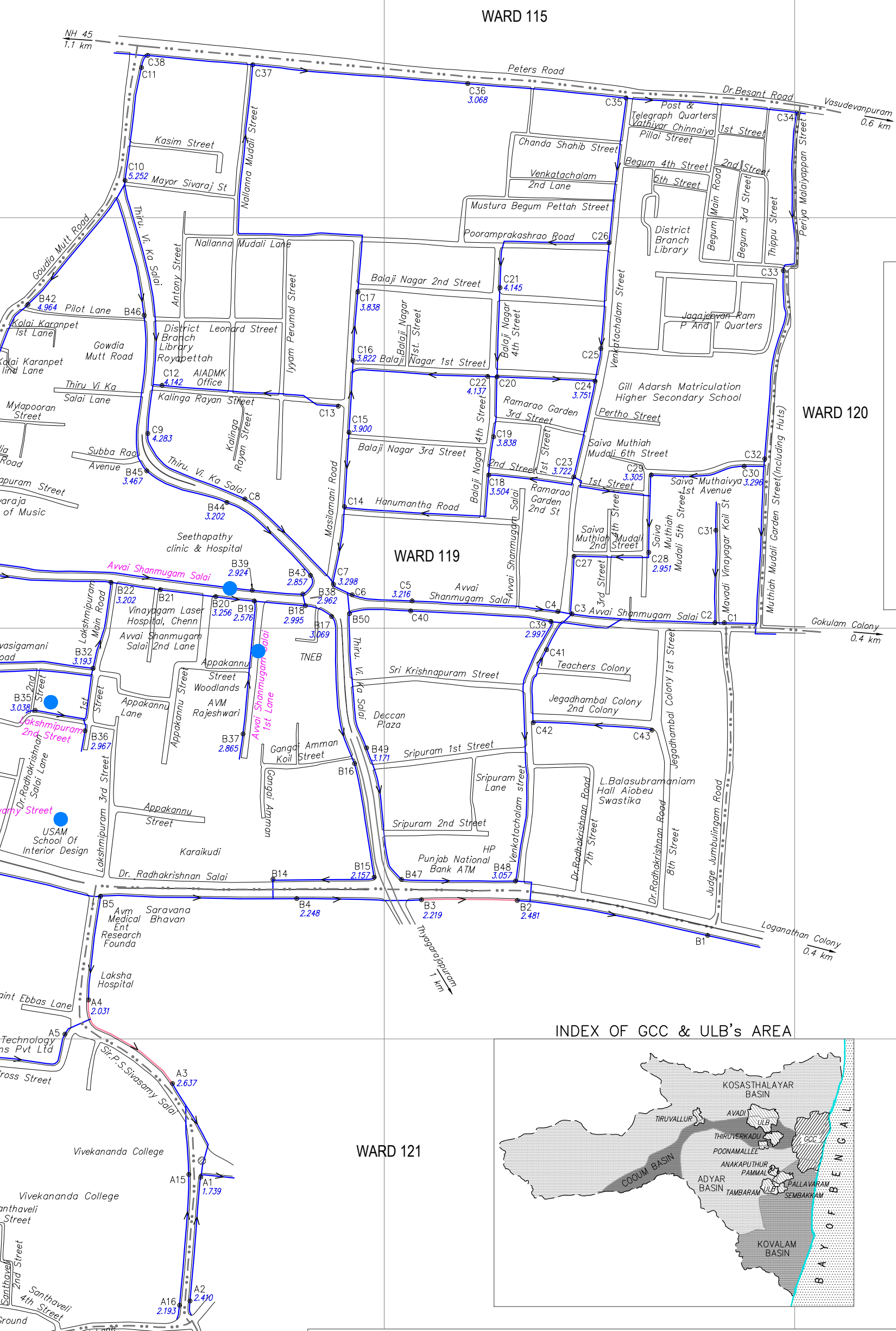
LEGEND	
	Drain Outlet
	Drain With Reverse Gradient
—	Manhole's Inside not Accessible



T145 13°02'49.268"N 80°15'16.092"E



LIST OF CONTROL POINTS						
Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)
1	T145	13°02'49.268"N	80°15'16.092"E	419166.903	1442454.107	5.98



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.

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other means; should be kept in safe custody and  
handed by authorised persons only.

SHEET HISTORY:  
Base map compiled from the details/data provided  
by Greater Chennai Corporation (GCC)  
Surveyed between 27th January to 30th January 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.

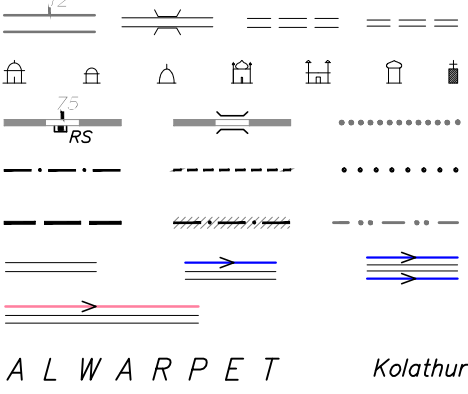
Boundary: state; district; taluk.

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.

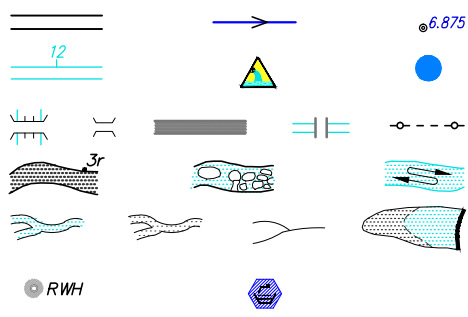
Canal. Outlet. Inundated area by previous flood.

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. 119, ZONE IX - TEYNAMPET NAGAR
PROJECT CONSULTANTS		SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 57 OF 114	SCALE 1:5000	DRAWING No. CFM/SWD/WARD-57
		REV. 0