

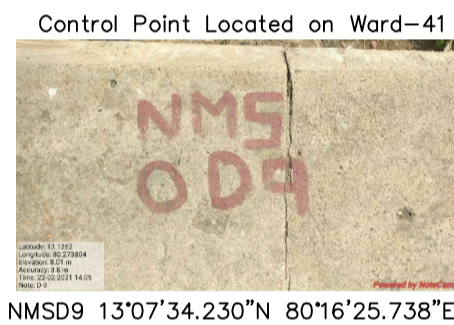
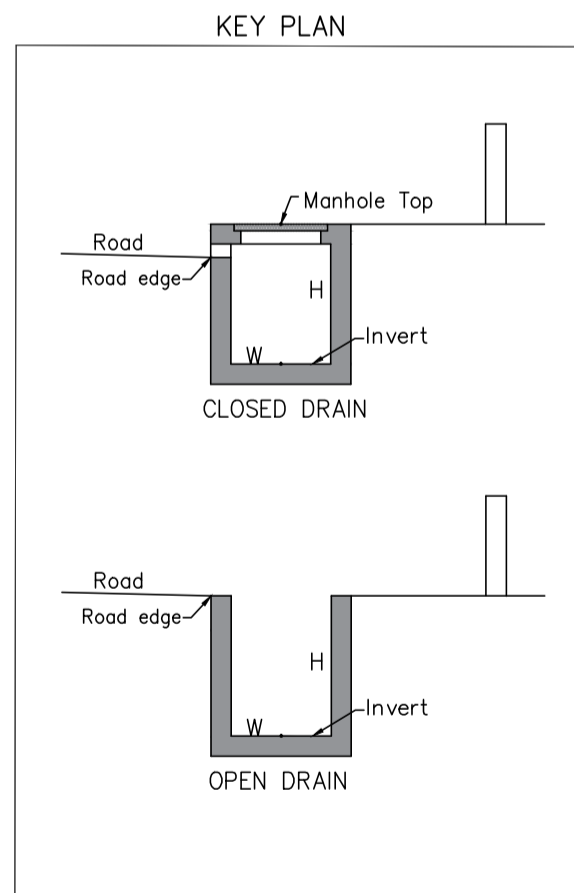
SI No.	MANHOLE ID	DRAIN Closed(C)/Open(O)	MSL LEVEL			DRAIN DIMENSIONS	
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1	C	3.247	2.347	3.109	1.000	0.720
2	A2	C	3.627	2.667	3.505	0.900	0.780
3	A3	C	3.561	2.691	3.500	1.200	0.710
4	A4	C	3.807	2.857	3.737	1.100	0.770
5	A5	C	3.836	3.016	3.764	1.100	0.620
6	A6	C	3.781	2.611	3.689	0.900	1.000
7	A7	C	3.946	2.946	3.760	1.100	0.810
8	A8	C	3.925	3.125	3.893	1.200	0.640
9	A9	C	3.771	2.621	3.581	1.200	0.970
10	A10	C	4.425	3.325	4.304	1.200	0.920
11	A11	C	4.642	3.764	4.428	1.200	0.698
12	A12	C	3.550	2.550	3.442	0.700	0.840
13	A13	C	3.623	2.653	3.489	0.700	0.810
14	A14	C	3.692	2.732	3.623	0.700	0.800
15	A15	C	3.453	2.503	3.386	0.700	0.790
16	A16	C	3.386	2.486	3.249	0.700	0.740
17	A17	C	3.567	2.477	3.510	1.000	0.930
18	A18	C	3.973	3.323	4.007	1.000	0.490
19	A19	C	4.126	2.926	4.083	1.100	1.040
20	A20	C	4.422	3.122	4.441	1.000	1.160
21	A21	C	3.850	3.004	3.855	1.000	0.690
22	A22	C	3.985	2.985	3.965	1.000	0.860
23	A23	C	4.681	3.401	4.729	0.900	1.140
24	A24	C	4.924	3.554	4.733	1.000	1.210
25	A25	C	3.888	2.938	3.885	1.000	0.800
26	A26	C	4.138	3.038	4.299	1.100	0.920
27	A27	C	3.535	2.485	3.544	0.900	0.890
28	A28	C	3.469	2.619	3.463	0.900	0.690
29	A29	C	3.652	2.432	3.584	1.200	1.050
30	A30	C	3.615	2.915	3.639	0.900	0.540
31	A31	C	3.639	2.539	3.634	1.000	0.950
32	A32	C	4.078	3.078	4.063	1.000	0.840
33	B1	C	5.151	4.011	5.079	1.000	0.980
34	B2	C	5.098	4.058	4.894	1.000	0.880
35	C1	C	4.797	2.367	4.756	1.300	2.260
36	C2	C	4.027	2.427	4.055	1.200	1.420
37	C3	C	3.721	2.511	3.650	1.250	1.030
38	C4	C	3.558	2.538	3.534	1.100	0.870
39	C5	C	3.568	2.708	3.433	1.100	0.710
40	C6	C	3.711	2.331	3.803	1.000	1.220
41	C7	C	4.117	2.927	4.075	1.000	1.030
42	C8	C	4.101	2.851	4.130	0.900	1.070

LEGEND

Drain Outlet

Drain With Reverse Gradient

"-" : Manhole's Inside not Accessible



LIST OF CONTROL POINTS

SI. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	NMSD9	13°07'34.230"N	80°16'25.738"E	21289.712	1451202.295	5.902	On top of Bridge



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:
This Map is not to be published, copied or reproduced in part or in whole either by photography or by any other means; should be kept in safe custody and handled by authorised persons only.

SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC) Surveyed between 7th March to 7th 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.	

A L W A R P E T Kolathur

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. 40, ZONE IV - TONDIARPET
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV
SHEET No. 105 OF 114	SCALE 1:5000 DRAWING No. CFM/SWD/WARD-105 REV. 0