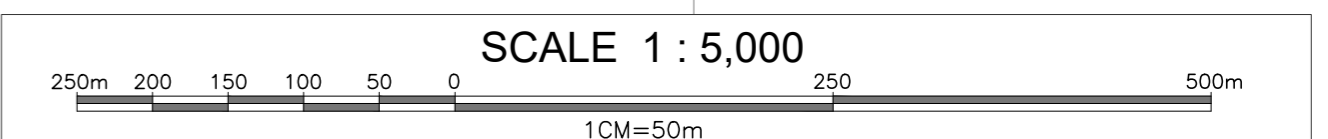
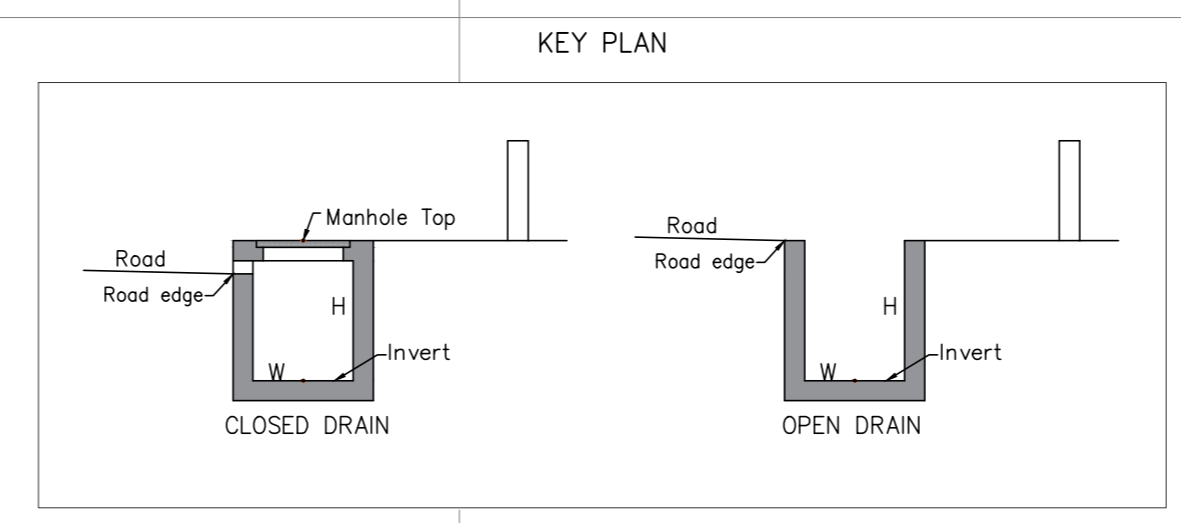
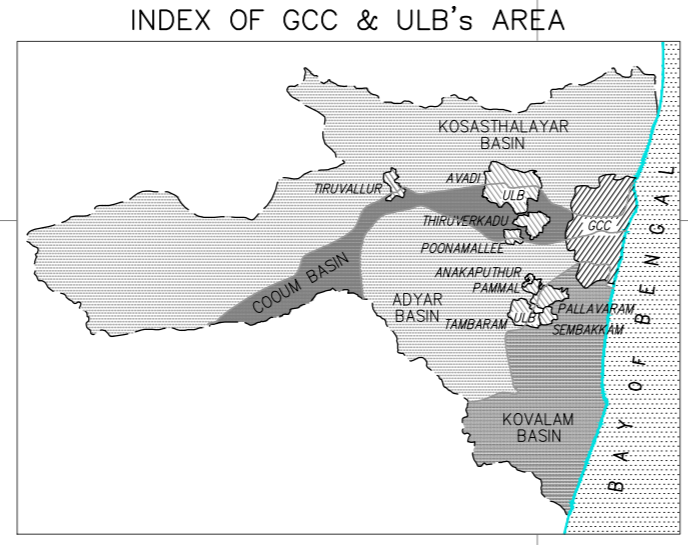
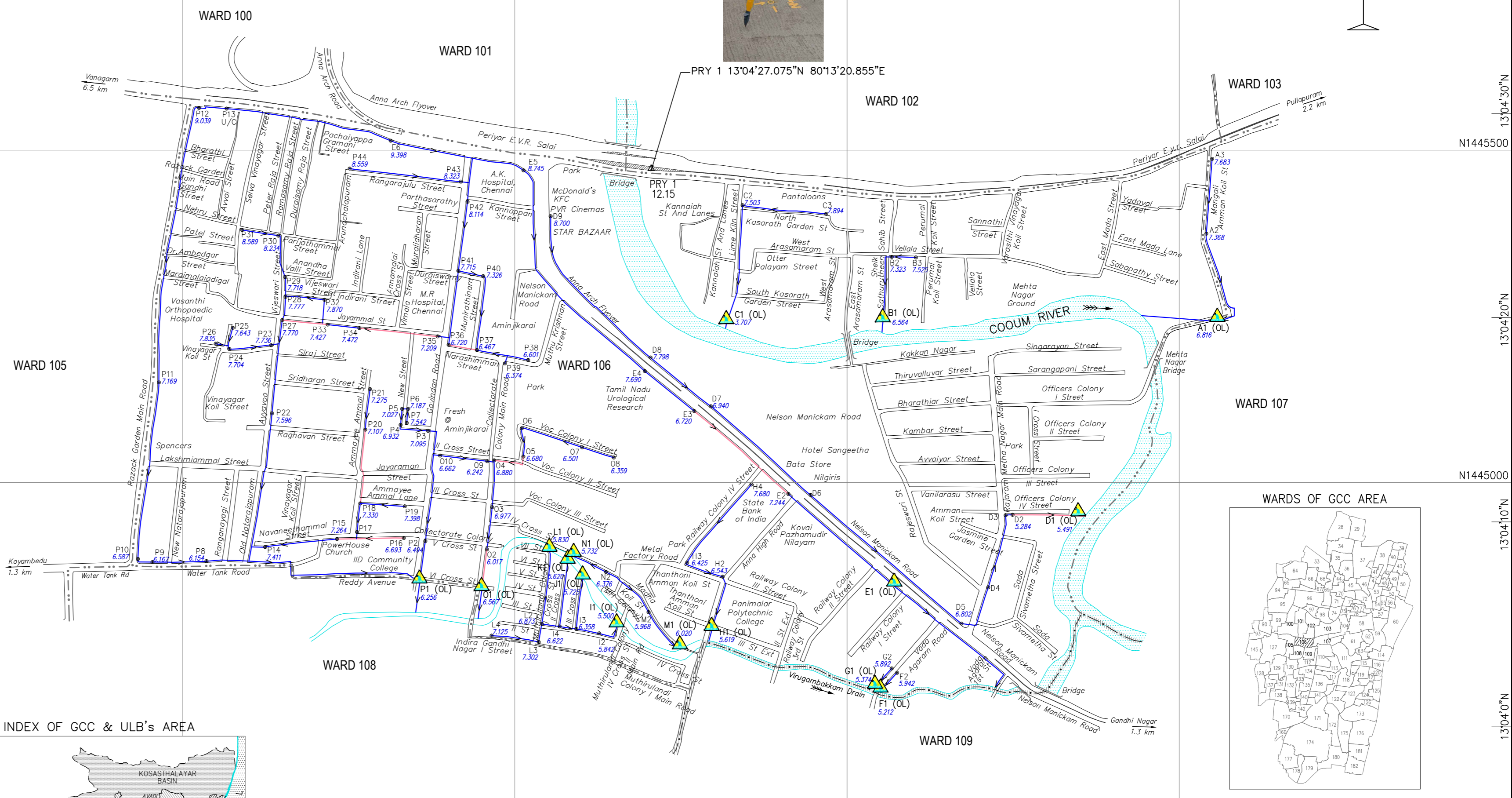


LIST OF POINTS							
Sl No.	MANHOLE ID	DRAIN Closed(C) /Open(O)	MSL LEVEL	DRAIN DIMENSIONS			
			Drain Top(m)	Invert (m)	Road Edge (m)	Width (m)	Depth (m)
1	A1 (OL)	C	7.717	6.816	7.704	No Open	
2	A2	C	8.480	7.368	8.454	0.980	0.942
3	A3	C	8.627	7.683	8.612	1.080	0.574
4	B1 (OL)	C	7.620	6.564	7.479	0.800	0.666
5	B2	C	8.230	7.323	8.180	0.440	0.747
6	B3	C	8.347	7.525	8.168	0.500	0.662
7	C1 (OL)	C	4.702	3.707		0.670	0.905
8	C2	C	9.380	7.503	9.330	0.780	1.047
9	C3	C	8.741	7.894	8.364	0.660	0.657
10	D1 (OL)	C	6.721	5.491	7.318	1.200	1.130
11	D2	C	6.470	5.284	6.431	1.420	0.986
12	D3	C	6.866		6.840	No Open	
13	D4	C	7.223		7.230		
14	D5	C	7.902	6.802	7.654	No Open	
15	D6	C	8.006		7.777	No Open	
16	D7	C	8.055	6.940	8.028	1.130	0.915
17	D8	C	8.673	7.798	8.345	0.850	0.725
18	D9	C	9.083	8.700	8.996	0.400	0.383
19	E1 (OL)	C	7.451		7.303	No Open	
20	E2	C	8.223	7.244	8.073	1.150	0.699
21	E3	C	8.189	6.720	8.055	0.730	0.719
22	E4	C	8.548	7.690	8.178	0.700	0.668
23	E5	C	9.649	8.745	9.524	0.900	0.704
24	E6	C	10.841	9.398	9.823	0.860	1.213
25	F1 (OL)	C	5.676	5.212	6.689	Outlet	
26	F2	C	6.394	5.942	6.311	0.780	0.282
27	G1 (OL)	C	5.702	5.374	6.672	Outlet	
28	G2	C	6.384	5.892	6.375	0.630	0.312
29	H1 (OL)	C	6.804	5.619	6.788	0.680	0.645
30	H2	C	7.533	6.543	7.208	0.560	0.820
31	H3	C	7.222	6.425	6.985	0.640	0.637
32	H4	C	8.495	7.680	8.313	0.650	0.515
33	I1 (OL)	C	6.428	5.500	7.554	0.700	0.848
34	I2	C	7.178	5.842	7.119	0.690	1.266
35	I3	C	7.667	6.358	7.518	0.700	1.143
36	I4	C	7.778	6.622	7.633	0.700	1.016
36	J1 (OL)	C	6.778	5.725	6.854	0.700	0.893
37	K1 (OL)	C	6.970	5.620	6.904	0.720	1.200
38	L1 (OL)	C	6.872	5.830	6.763	0.660	0.792
39	L2	C	7.901	6.873	7.834	0.700	0.728
40	L3	C	8.058	7.302	7.998	0.700	0.356
42	L4	C	7.771	7.125	7.840	0.660	0.496
43	M1 (OL)	C	6.897	6.020	7.725	0.300	0.697
44	M2	C	7.402	5.968	7.265	0.850	1.264
45	N1 (OL)	C	6.739	5.732	6.785	1.100	0.907
46	N2	C	7.587	6.376	7.470	0.810	1.061
47	O1 (OL)	C	7.404	6.567	7.374	0.970	0.737
48	O2	C	7.424	6.017	7.155	0.950	0.907
49	O3	C	7.475	6.977	7.301	0.590	0.498
50	O4	C	7.568	6.880	7.495	0.590	0.438
51	O5	C	7.880	6.680	7.871		
52	O6	C	8.063		7.819	Concrete	Covered
53	O7	C	7.335	6.501	7.235	0.530	0.614
54	O8	C	7.265	6.359	7.202	0.650	0.706
55	O9	C	7.785	6.242	7.426	0.650	0.843
56	O10	C	7.577	6.622	7.542	0.600	0.715
57	P1 (OL)	C	7.220	6.256	7.197	0.900	0.714
58	P2	C	7.497	6.494	7.465	0.850	0.833
59	P3	C	7.906	7.095	7.884	0.620	0.411
60	P4	C	8.185	6.932	7.768	0.580	0.853
61	P5	C	7.959	7.027	7.696	0.615	0.732
62	P6	C	7.800	7.187	7.652	0.600	0.413
63	P7	C	7.884	7.542	7.627	0.630	0.142
64	P8	C	7.847	6.154	7.450	0.730	1.043
65	P9	C	7.854	6.167	7.724	0.750	0.787
66	P10	C	7.800	6.587	7.608	0.760	0.933
67	P11	C	8.121	7.169	7.925	0.780	0.922
68	P12	C	10.838	9.039	10.518	0.950	1.349
69	P13	C	10.660		10.521		
70	P14	C	8.158	7.411	7.888	0.700	0.507
71	P15	C	8.279	7.264	8.115	0.700	0.815
72	P16	C	8.725	6.693	7.733	0.710	0.582
73	P17	C	8.490		8.485		
74	P18	C	8.321	7.330	8.274	0.690	0.761
75	P19	C	8.202	7.398	8.153	0.680	0.574
76	P20	C	8.398	7.107	8.391	0.650	0.691
77	P21	C	8.363	7.275	8.311	0.630	0.888
78	P22	C	8.439	7.596	8.263	1.100	0.643
79	P23	C	8.560	7.736	8.504	0.650	0.624
80	P24	C	8.459	7.704	8.427	0.600	0.575
81	P25	C	8.465	7.643	8.375	0.650	0.672
82	P26	C	8.460	7.835	8.354	0.630	0.465
83	P27	C	8.580	7.770	8.452	0.700	0.560
84	P28	C	8.313	7.777	8.368	0.720	0.286
85	P29	C	8.554	7.718	8.444	0.610	0.436
86	P30	C	8.868	8.234	8.829	0.600	0.064
87	P31	C	8.862	8.589	8.822	0.600	0.073
88	P32	C	8.514	7.870	8.377	0.600	0.244
89	P33	C	8.542	7.427	8.417	0.830	0.905
90	P34	C	8.500	7.472	8.429	0.800	0.838
91	P35	C	8.327	7.209	8.286	0.810	0.868
92	P36	C	8.087	6.720	7.990	0.780	1.187
93	P37	C	7.839	6.467	7.786	1.100	0.692
94	P38	C	7.414	6.601	7.512	0.600	0.563
95	P39	C	7.585	6.374	7.466	0.750	0.711
96	P40	C	8.625	7.326	8.572	0.650	0.689
97	P41	C	8.557	7.715	8.546	0.720	0.592
98	P42	C	9.253	8.114	8.953	0.700	0.529
99	P43	C	9.270	8.323	9.224	0.610	0.627
100	P44	C	9.253	8.559	9.093	0.600	0.094

LIST OF CONTROL POINTS							
Sl. No.	Point No.	Latitude	Longitude	Easting(m)	Northing(m)	MSL RL(m)	Remarks
1	PRY 1	13°04'27.075"N	80°13'20.855"E	415705.262	1445469.265	12.15	On top of Aanjikarai Bridge



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.

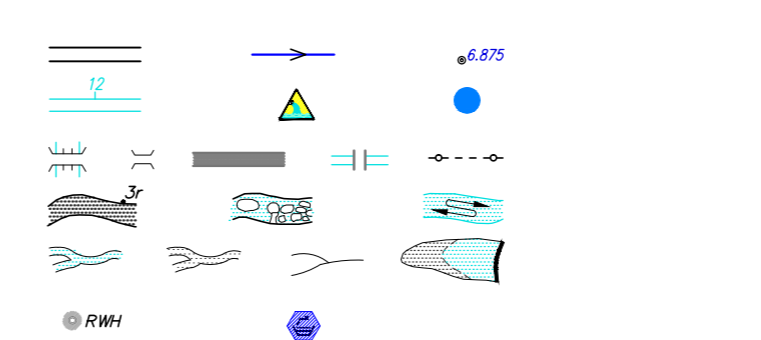
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SHEET HISTORY:
Base map compiled from the details/data provided by Greater Chennai Corporation (GCC) Surveyed between 19th December to 21st December 2020

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 one side 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. 106, ZONE VIII - ANNA NAGAR		
PROJECT CONSULTANTS	SECON - JBA Consulting (India) (U.K.) JV		
SHEET No. 12 OF 114	SCALE 1:5000	DRAWING No.	CFM/SWD/WARD-12
			REV. 0