

**TRANSPORTATION TOMORROW SURVEY  
2001**

**WORKING PAPER**

**DATA EXPANSION**

# **TRANSPORTATION TOMORROW SURVEY**

## **2001**

*A Telephone Interview Survey on  
Household Travel Behaviour in  
Greater Toronto and the Surrounding Areas  
Conducted in the Fall of 2000, Fall of 2001 and Spring of 2002*

### **Data Expansion**

*Working Paper  
Prepared for the  
Transportation Information  
Steering Committee*

*by the*

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University of Toronto  
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*Participating Agencies:*

*Ministry of Transportation, Ontario • City of Barrie • City of Guelph  
City of Hamilton • City of Kawartha Lakes • City of Orillia • City of Peterborough  
City of Toronto • County of Peterborough • County of Simcoe • County of Wellington  
GO Transit • Regional Municipality of Durham • Regional Municipality of Halton  
Regional Municipality of Niagara • Regional Municipality of Peel  
Regional Municipality of York • Toronto Transit Commission • Town of Orangeville*

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## **1 Introduction**

The 2001 TTS differs from previous surveys in that the data does not consist of a random selection of households throughout the survey area. The initial sample selection and sample control process were based on Forward Sortation Areas (FSAs) - the 1<sup>st</sup> 3 characters of the postal code. Some FSAs are known to have been sampled at a higher rate than others have and within most FSAs apartment buildings are known to be under-represented relative to other types of housing. In order to minimise or eliminate potential biases that might result from the differences in sample selection it has been necessary to make some changes in the expansion procedure from that used in previous surveys. The two differences are:

1. The use of FSAs as the geographic unit by which expansion factors are applied in much of the survey area, and
2. The application of different expansion factors within individual FSAs depending on the type of housing (apartment versus non-apartment).

## **2 Data Expansion**

Population and dwelling unit counts from the 2001 Canada Census are available by Census Sub-division (CSD), Census Tract (CT) and Forward Sortation Area (FSA). It is the occupied dwelling unit counts that have been used to calculate the expansion factors applied to the TTS data in order to obtain estimates of total population and travel behaviour within each part of the survey area.

In areas with urban postal delivery service (any postal area that does not have a "0" as the 2<sup>nd</sup> character), separate expansion factors have been calculated for each FSA. The occupied dwelling unit count from the census has been split between apartment and non-apartment dwelling units in proportion to Canada Post counts as to the number of delivery units of each type in each FSA. The Canada Post counts have been aggregated from data available on the internet for each individual postal walk. The expansion factor is the resulting number of occupied dwelling units divided by the number of TTS household records for the same type of dwelling unit. A combined factor for the two types of dwelling unit has been used in any FSA where the number of TTS household records is less than 50 in either of the two categories.

In rural areas, a single expansion factor, applied to both types of dwelling unit, has been calculated for each municipality (CSD). For the purpose of data expansion, a rural area is defined as any community that has a rural postal code (2<sup>nd</sup> character "0") or that has less than three urban delivery codes. Postal areas are not always mutually exclusive and urban delivery areas often extend beyond municipal boundaries. Expansion factors, as shown in Table 1, have therefore been calculated for all FSAs including rural delivery areas. A default value of 20 has been assumed for FSAs that extend beyond the survey area. The rural expansion factors calculated by CSD, shown in Table 2, take precedent over the values calculated by FSA for the households lie within the CSD boundary. It follows that not all of the expansion factors shown in Table 1 are actually used in the data expansion.

The FSA counts from the census are based on the postal address recorded on each census form, which may not be the same as the FSA in which the dwelling unit is located. The definitions used for the counts should, however, be consistent with the survey data since the sample has also been drawn on the basis of postal address. The only discrepancy is in regard to households included in the survey that had moved to a new address after the sample was drawn. The number is small, probably less than 1%. The census counts by FSA do not include those households where no postal code was given on the census form, however, comparisons between

aggregated FSA and CSD totals from the census does not reveal any measurable evidence of under counting in the GTA or Hamilton.

Small sections of the rural FSAs L0A, L0B and L0G were accidentally sampled in the fall of 2000 and again in the fall of 2001 resulting in significant over representation of some local delivery units relative to the rest of the FSA. Two expansion factors are used in each of those FSAs, one for the local delivery units that were over sampled and the other for the rest of the FSA. Due to the absence of any control totals the factors were manually selected to produce a reasonable fit with the census data by CSD.

### **3 Validation**

Validation of the 2001 TTS has been performed by comparing the expanded totals aggregated by municipality, with the census dwelling unit and population data at the CSD level. The City of Toronto has been sub-divided into the Planning Districts that existed prior to amalgamation. The City Hamilton has been sub-divided into the municipalities that existed prior to amalgamation. The census population data for these two cities has been obtained by aggregating data by Census Tract. Occupied dwelling unit data were not available at the census tract level at the time this table was compiled. The TTS data has been aggregated from traffic zones.

The expanded household totals should match the census occupied dwelling unit count exactly in those municipalities where a single expansion factor has been applied based on the census CSD total. In urban areas the expanded household count may differ from the census dwelling unit count for the following reasons

- Households that were in the selected sample but which moved to a new location prior to being interviewed
- Households excluded from the census count
- Discrepancies between traffic zone, FSA, CSD and municipal boundaries. CSD boundaries conform to municipal boundaries in most areas but not to the planning district boundaries within Toronto. The FSA boundaries, used to calculate the expansion factors, do not necessarily match either zone or municipal boundaries.
- Errors in geocoding and/or zone assignment that result from incorrect information being collected or the inability to correctly identify the exact location of a household.

One reason the survey under-represents the total population is the exclusion of nursing and other group homes from the survey. The amount of under-representation is consistent with previous surveys

## 4 Expansion Factors by FSA

**Important note** - In the following table the FSAs have been grouped by municipality where feasible for ease of checking only. **The boundaries do not match.** The actual FSA boundaries are shown in the appendix.

FSA	Original FSA (House records)				Total Person	Canada Post			Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House
<b>City of Toronto</b>													
M1B	666	216	142	1024	3480	11809	4867	0	16676	17215	61475	15.09	23.26
M1C	499	10	16	525	1662	9951	202	0	10153	10240	34570	19.50	19.50
M1E	580	298	76	954	2634	9626	6694	0	16320	16235	45640	14.60	22.35
M1G	364	231	13	608	1826	5075	4501	0	9576	10015	30340	14.08	20.38
M1H	245	154	8	407	1172	3538	3533	0	7071	7210	21040	14.26	23.39
M1J	369	393	14	776	2346	4314	7624	0	11938	12145	36715	11.46	19.74
M1K	665	447	20	1132	3165	7592	9299	0	16891	17535	48705	11.51	21.60
M1L	383	232	10	625	1692	5057	5013	0	10070	10205	27765	13.04	21.90
M1M	349	133	20	502	1317	5248	2835	0	8083	8190	21635	14.41	21.60
M1N	466	116	5	587	1478	6053	2689	0	8742	9325	22285	13.71	24.73
M1P	458	303	38	799	2248	6065	6246	0	12311	12395	35315	12.31	20.75
M1R	476	178	15	669	1869	6491	3781	0	10272	10610	28920	13.65	21.94
M1S	429	83	29	541	1639	7432	2883	0	10315	10095	34185	15.88	33.99
M1T	371	327	84	782	2041	5340	6703	0	12043	12040	33315	11.73	20.49
M1V	677	205	89	971	3230	10678	4424	0	15102	15290	55525	14.11	21.85
M1W	567	354	90	1011	2920	8965	6806	0	15771	15665	49750	13.55	19.10
M1X	34	0	0	34	140	540	0	0	540	530	2130	15.59	15.59
M2H	366	87	94	547	1606	6098	2207	0	8305	8570	26450	13.68	26.18
M2J	555	584	180	1319	3720	8879	10674	0	19553	18910	54905	11.68	17.68
M2K	223	114	22	359	926	3115	2413	0	5528	5285	13775	12.16	20.24
M2L	169	49	19	237	676	3213	983	0	4196	4085	12260	17.24	17.24
M2M	436	254	12	702	1809	6012	5293	0	11305	11050	29335	13.12	20.37
M2N	578	350	52	980	2408	7887	10580	0	18467	17145	42250	11.62	28.06
M2P	97	33	1	131	339	1676	1023	0	2699	2515	6780	19.20	19.20
M2R	458	533	45	1036	2748	5366	9691	0	15057	14655	37680	10.38	17.70
M3A	399	391	57	847	2246	5228	7813	0	13041	13060	35445	11.48	20.01
M3B	196	73	5	274	694	3378	1487	0	4865	4780	12560	16.51	20.01
M3C	135	499	71	705	1757	2058	12565	0	14623	13930	35105	9.52	23.99
M3H	456	267	8	731	1883	6530	5403	0	11933	12030	31065	14.19	20.40
M3J	253	250	23	526	1457	2811	6292	0	9103	8500	23740	9.51	23.50
M3K	106	24	6	136	408	1488	690	0	2178	2200	6175	16.18	16.18
M3L	221	71	11	303	842	3374	2460	0	5834	5765	17555	14.37	34.24
M3M	269	192	26	487	1368	3792	4967	0	8759	8635	23920	12.67	25.50
M3N	319	380	87	786	2487	5619	8448	0	14067	13700	46290	13.48	21.65
M4A	157	182	21	360	898	1817	3894	0	5711	5635	13625	10.07	21.11
M4B	271	168	9	448	1090	3985	3861	0	7846	7690	19110	13.95	22.53
M4C	782	464	23	1269	3121	10064	8745	0	18809	19570	48265	13.01	19.61

FSA	Original FSA (House records)				Total Person	Canada Post			Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House
M4E	471	140	10	621	1477	6923	2882	0	9805	10370	23555	15.22	21.77
M4G	328	97	8	433	1024	4557	2232	0	6789	6705	15615	13.39	22.73
M4H	14	297	1	312	772	226	6385	0	6611	6360	16330	20.38	20.38
M4J	692	182	17	891	2154	10211	3592	0	13803	14595	36650	15.23	20.87
M4K	553	390	19	962	2220	6677	7094	0	13771	14610	32460	12.38	19.30
M4L	544	147	23	714	1706	8790	3266	0	12056	13375	32000	17.20	24.65
M4M	349	88	39	476	1184	5891	1759	0	7650	8625	22425	17.12	22.54
M4N	256	126	10	392	949	3627	2562	0	6189	6155	14555	13.56	20.22
M4P	148	341	6	495	884	1656	8780	0	10436	10015	16340	10.32	24.71
M4R	201	85	2	288	669	2547	2154	0	4701	4740	10400	12.65	25.55
M4S	305	379	12	696	1334	3830	7849	0	11679	11515	21735	11.91	20.42
M4T	162	154	9	325	688	2346	3199	0	5545	5055	9810	12.51	18.94
M4V	209	296	19	524	1016	2453	6504	1	8958	8795	15970	10.57	21.57
M4W	155	149	9	313	637	2398	3615	0	6013	5265	10705	12.80	21.24
M4X	88	376	16	480	1084	1060	8995	0	10055	9505	20720	9.63	22.61
M4Y	50	601	16	667	1060	777	14911	0	15688	14045	21635	10.54	22.21
M5A	179	526	103	808	1758	3177	13044	0	16221	15540	31150	10.79	23.76
M5B	16	210	10	236	431	234	6061	0	6295	4335	7705	18.37	18.37
M5C	3	33	1	37	57	515	1283	0	1798	1065	1745	28.78	28.78
M5E	5	88	3	96	162	36	2525	0	2561	2315	3835	24.11	24.11
M5G	5	93	1	99	175	101	3043	0	3144	2125	3760	21.46	21.46
M5H	1	14	1	16	26	0	222	0	222	160	270	10.00	10.00
M5J	41	146	1	188	354	293	3214	0	3507	3120	5530	16.60	16.60
M5M	422	76	2	500	1323	7191	2335	0	9526	9510	23785	16.93	30.67
M5N	266	181	4	451	1137	3181	3442	0	6623	6505	15725	11.57	18.68
M5P	234	295	11	540	1144	3273	5730	0	9003	8720	18045	12.94	18.81
M5R	318	421	33	772	1450	3610	8473	0	12083	12495	22080	10.64	20.81
M5S	146	242	11	399	805	2334	4552	0	6886	5825	11110	12.58	15.91
M5T	159	233	45	437	1007	2348	5089	0	7437	7500	16960	11.61	22.03
M5V	43	207	24	274	499	653	4620	0	5273	5085	8645	9.40	21.52
M6A	219	207	19	445	1174	2444	4680	0	7124	6670	17015	9.61	21.17
M6B	370	408	4	782	2000	4417	6870	0	11287	11010	27735	11.52	16.42
M6C	396	234	3	633	1476	5271	4862	0	10133	10310	25065	13.44	21.14
M6E	659	206	9	874	2422	9080	4744	0	13824	14495	40815	14.25	24.15
M6G	560	214	21	795	1928	8181	2936	0	11117	13125	32625	16.62	16.20
M6H	627	248	25	900	2509	10123	4563	0	14686	16990	47000	17.96	21.29
M6J	454	161	63	678	1773	6420	2907	0	9327	11395	29750	15.17	22.06
M6K	286	458	20	764	1817	2789	11196	0	13985	14645	32735	9.54	25.60
M6L	322	182	7	511	1456	3542	3939	0	7481	7180	20320	10.33	20.77
M6M	547	402	22	971	2708	6539	8234	0	14773	14565	41015	11.33	20.19
M6N	568	240	27	835	2357	8976	5103	0	14079	14495	40745	15.53	21.89
M6P	513	472	27	1012	2367	6825	8299	0	15124	16835	37345	14.07	19.57
M6R	365	150	10	525	1264	4533	2536	0	7069	8720	19585	14.91	20.86
M6S	498	175	15	688	1669	7927	4444	0	12371	12550	29450	15.68	25.76

FSA	Original FSA (House records)				Total Person	Canada Post			Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House
M8V	400	405	48	853	1948	4901	9801	0	14702	14435	30905	10.74	23.76
M8W	392	113	10	515	1301	5218	2988	0	8206	8430	20815	13.33	27.16
M8X	138	74	6	218	528	2173	1796	0	3969	3700	8980	14.07	22.63
M8Y	316	174	18	508	1230	4092	4006	0	8098	7985	18465	12.08	22.70
M8Z	211	12	8	231	581	4716	417	0	5133	5135	13025	22.23	22.23
M9A	387	329	7	723	1784	5802	6742	0	12544	12360	30660	14.51	20.19
M9B	488	142	17	647	1735	7279	3006	0	10285	10105	27235	14.16	20.80
M9C	508	344	62	914	2349	6906	6773	0	13679	13370	35040	11.84	19.24
M9L	165	31	3	199	610	2609	681	0	3290	3620	12150	18.19	18.19
M9M	265	123	4	392	1231	3548	2628	0	6176	5965	19260	12.74	20.64
M9N	291	245	4	540	1391	4071	6288	0	10359	9735	24495	12.97	24.12
M9P	287	158	19	464	1186	4420	3689	0	8109	7940	19955	14.14	22.86
M9R	430	354	16	800	2183	4866	7292	0	12158	11695	33525	10.49	19.81
M9V	557	311	60	928	3182	8825	7375	0	16200	16430	56990	14.51	24.05
M9W	561	210	40	811	2400	7554	4891	0	12445	12340	38460	12.46	23.09

#### Region of Durham

Clarington														
L1B	143	13	1	157	420	2862	135	2	2999	2960	8085	18.85	18.85	
L1C	454	46	38	538	1556	9783	825	111	10719	10335	30155	19.21	19.21	
L1E	298	15	30	343	1021	6840	133	0	6973	6655	20940	19.40	19.40	
L0A (1)	282	4	0	286	782	2791	103	221	3115	4470	13030			
Local delivery units 1A0, 1C0, 1G0 & 1K0													15.00	15.00
Rest of L0A													20.00	20.00
Oshawa														
L1G	635	233	83	951	2293	11694	5894	0	17588	17425	42195	16.14	25.06	
L1H	573	82	15	670	1756	10361	2516	24	12901	13075	32975	17.90	31.10	
L1J	696	123	53	872	2411	12291	4288	0	16579	16405	44970	16.24	34.50	
L1K	255	4	29	288	917	5648	100	0	5748	5295	16825	18.39	18.39	
L1L	9	0	0	9	24	220	0	2	222	115	330	12.78	12.78	
Whitby														
L1N	746	121	62	929	2558	14021	3375	15	17411	16300	45250	16.26	26.11	
L1P	127	23	10	160	518	2099	701	0	2800	2950	9560	18.44	18.44	
L1R	293	5	17	315	1080	6439	236	7	6682	6735	23595	21.38	21.38	
Ajax														
L1S	537	124	59	720	2066	10914	2660	0	13574	13585	39740	18.33	21.47	
L1T	372	30	27	429	1455	7925	342	0	8267	8065	28570	18.80	18.80	
L1Z	71	0	16	87	299	1131	0	0	1131	1600	5370	18.39	18.39	
Pickering														
L1V	715	93	78	886	2783	13833	2132	0	15965	15685	50165	17.14	22.52	
L1W	294	15	15	324	940	5229	451	0	5680	5840	17425	18.02	18.02	
L1X	221	5	5	231	796	4056	0	6	4062	4205	15330	18.20	18.20	
L1Y	18	1	0	19	56	801	2	17	820	700	2190	36.84	36.84	

FSA	Original FSA (House records)				Total Person	Canada Post				Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House	Apt.
L0H	119	0	1	120	371	1317	0	37	1354	1235	3810		<b>20.00</b>	<b>20.00</b>
Scugog														
L9L	236	24	4	264	724	4213	400	115	4728	4515	12265	17.10	17.10	
L1M	112	2	3	117	337	2835	4	59	2898	2340	7070	20.00	20.00	
L0B (1)	306	8	5	319	946	4841	47	991	5879	5315	15670			
Local delivery unit 1K0												<b>10.00</b>	<b>10.00</b>	
Rest of L0B												<b>20.00</b>	<b>20.00</b>	
Uxbridge														
L9P (2)	318	19	16	353	1002	4113	456	276	4845	4780	13885	13.54	13.54	
Brock														
L0C	159	12	2	173	477	2964	52	38	3054	2945	8775	<b>20.00</b>	<b>20.00</b>	
<b>Region of York</b>														
Markham														
L3P	602	48	46	696	2188	11384	923	0	12307	12480	40575	17.93	17.93	
L3R	736	48	35	819	2755	14671	801	1	15473	15205	54555	18.57	18.57	
L3S	555	18	4	577	2192	10362	101	0	10463	10570	44120	18.32	18.32	
L3T	581	162	154	897	2529	12283	3968	0	16251	15745	46675	16.19	23.73	
L6B	48	1	12	61	180	1403	0	0	1403	1245	3405	20.41	20.41	
L6C	104	4	25	133	459	7259	0	35	7294	4960	17595	37.29	37.29	
L6E	15	2	5	22	37	779	180	0	959	400	710	18.18	18.18	
L6G	1	0	2	3	8	76	0	0	76	65	220	21.67	21.67	
Stouffville														
L4A	278	30	10	318	897	5265	560	69	5894	6400	18415	20.13	20.13	
Richmond Hill														
L4B	326	11	20	357	1303	7553	1065	1	8619	7745	28750	21.69	21.69	
L4C	984	292	99	1375	4092	17118	5756	0	22874	23055	67105	15.93	19.87	
L4E	193	0	9	202	634	4713	11	9	4733	4045	12570	20.02	20.02	
L4S	278	4	51	333	1167	6916	0	5	6921	6485	23070	19.47	19.47	
Aurora														
L4G	669	59	84	812	2471	12402	1276	21	13699	13005	39760	15.66	20.53	
Vaughan														
L4H	216	3	8	227	761	7352	0	0	7352	5585	18620	24.60	24.60	
L4J	890	113	58	1061	3681	13539	3379	0	16918	16915	56865	14.28	29.90	
L4K	154	8	32	194	661	3911	280	0	4191	3915	13335	20.18	20.18	
L4L	765	32	29	826	2938	14969	914	0	15883	14975	52050	18.13	18.13	
L6A	532	5	58	595	2080	12355	33	11	12399	10730	37925	18.03	18.03	
Georgina														
L4P	354	19	17	390	1090	7730	444	6	8180	7835	22980	20.09	20.09	
L0E	349	27	2	378	975	7032	223	325	7580	7365	19800	19.48	19.48	
King														
L7B	83	3	0	86	237	2383	0	40	2423	2400	7350	<b>20.00</b>	<b>20.00</b>	

FSA	Original FSA (House records)				Total Person	Canada Post			Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House
<b>Newmarket</b>													
L3X	240	19	39	298	980	6417	214	1	6632	6220	21330	20.87	20.87
L3Y	771	108	37	916	2632	13547	2469	9	16025	16280	47260	17.04	23.22
<b>East Gwillimbury</b>													
L9N (2)	235	7	5	247	790	2653	138	3	2794	2780	8805	11.26	11.26
L0G (1)	897	37	18	952	2847	12739	400	663	13802	12915	38920		
Local delivery units 1A0, 1B0, 1L0 & 1W0												<b>10.00</b>	<b>10.00</b>
Rest of L0G												<b>20.00</b>	<b>20.00</b>
<b>Region of Peel</b>													
<b>Mississauga</b>													
L4T	479	119	27	625	2183	7779	2022	0	9801	11000	41040	17.25	19.07
L4W	293	90	36	419	1226	5120	2014	0	7134	6950	21850	15.16	21.80
L4X	187	151	39	377	1148	3022	3538	0	6560	6525	19570	13.30	23.31
L4Y	363	142	40	545	1517	5065	3713	0	8778	8840	24480	12.66	26.33
L4Z	361	124	67	552	1805	7399	2066	0	9465	9465	31035	17.29	16.66
L5A	413	543	114	1070	2942	6782	11753	0	18535	17730	48075	12.31	20.70
L5B	485	453	17	955	2815	6494	8748	0	15242	14810	43125	12.57	18.76
L5C	427	85	34	546	1735	7520	1831	0	9351	9625	31675	16.79	22.17
L5E	210	92	21	323	815	3197	1744	0	4941	4855	12515	13.60	18.63
L5G	350	159	9	518	1312	4387	3702	0	8089	8040	19915	12.15	23.14
L5H	249	36	20	305	846	5012	1111	0	6123	6000	16810	19.67	19.67
L5J	436	89	81	606	1755	7382	2621	0	10003	10080	29205	14.39	29.68
L5K	207	82	17	306	950	2961	1883	0	4844	4645	14500	12.68	22.02
L5L	690	91	123	904	2922	12897	2023	0	14920	14740	48180	15.67	21.96
L5M	762	42	96	900	3013	14187	3640	1	17828	16360	55400	18.18	18.18
L5N	1068	149	183	1400	4538	19804	4311	0	24115	24540	78440	16.11	29.44
L5R	397	122	76	595	2009	6071	3215	0	9286	9320	31355	12.88	26.45
L5V	440	22	49	511	1867	8146	706	0	8852	9985	37120	19.54	19.54
L5W	98	1	1	100	351	1987	0	1	1988	1655	5755	16.55	16.55
<b>Brampton</b>													
L6P	21	0	0	21	92	1352	73	0	1425	570	2245	27.14	27.14
L6R	453	5	24	482	1833	9921	0	0	9921	9230	36020	19.15	19.15
L6S	627	62	73	762	2508	13186	1686	0	14872	15320	52135	19.40	28.01
L6T	440	294	87	821	2354	7528	5975	26	13529	13510	40520	14.31	20.29
L6V	526	71	112	709	2280	10356	1589	69	12014	12795	41120	17.40	23.84
L6W	305	73	29	407	1187	5309	1928	0	7237	7385	21550	16.22	26.95
L6X	410	62	57	529	1637	9123	1153	0	10276	10565	33980	20.08	19.12
L6Y	689	237	70	996	3271	11505	4355	0	15860	17170	57245	16.41	19.89
L6Z	394	9	35	438	1495	8401	20	1	8422	8610	31665	19.66	19.66
L7A	107	0	8	115	367	3687	0	0	3687	2270	7315	19.74	19.74
<b>Caledon</b>													
L7C	18	0	3	21	74	662	0	0	662	785	2705	<b>20.00</b>	<b>20.00</b>

FSA	Original FSA (House records)				Total Person	Canada Post			Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House
L7E	336	13	20	369	1185	7697	225	61	7983	8105	25635	<b>20.00</b>	<b>20.00</b>
L0J	85	4	0	89	268	1270	55	11	1336	1015	3160	<b>20.00</b>	<b>20.00</b>
L0N	386	15	3	404	1183	5976	28	264	6268	11695	34810	<b>20.00</b>	<b>20.00</b>
<b>Region of Halton</b>													
Oakville													
L6H	650	82	88	820	2519	13065	2564	16	15645	15905	48970	18.02	31.79
L6J	464	42	10	516	1492	7827	1240	0	9067	8540	25595	16.55	16.55
L6K	203	132	19	354	816	3018	2656	0	5674	5500	12720	13.18	19.50
L6L	439	92	29	560	1422	7465	2186	0	9651	9415	24495	15.56	23.18
L6M	426	27	57	510	1641	10041	984	22	11047	9905	31820	19.42	19.42
Halton Hills													
L7G	541	60	41	642	1817	11607	1348	154	13109	12055	35280	18.58	20.66
L7J	158	21	16	195	542	3103	589	101	3793	3985	11290	20.44	20.44
Burlington													
L7L	563	77	70	710	1908	9860	1851	0	11711	12285	32700	16.34	25.22
L7M	393	26	71	490	1520	10215	884	0	11099	10615	31810	21.66	21.66
L7N	191	74	40	305	731	4072	1344	0	5416	5320	12865	17.32	17.84
L7P	360	23	76	459	1327	8444	1168	1	9613	9475	27460	20.64	20.64
L7R	294	164	32	490	1092	4312	3280	1	7593	7490	16515	13.05	19.73
L7S	123	179	41	343	714	2352	3591	0	5943	5625	11470	13.57	18.99
L7T	240	59	27	326	812	4382	1447	4	5833	5520	13890	15.55	23.21
Milton													
L9T	439	59	59	557	1581	9955	1456	114	11525	9260	26555	16.25	19.83
L0P	179	5	0	184	501	4258	12	181	4451	4435	13095	<b>20.00</b>	<b>20.00</b>
<b>City of Hamilton</b>													
Stoney Creek													
L8E	468	134	53	655	1905	8639	3300	3	11942	11490	32990	15.96	23.69
L8G	343	121	27	491	1294	5979	2763	0	8742	8685	21980	16.05	22.69
L8J	248	5	19	272	919	5484	219	16	5719	5470	17825	20.11	20.11
Dundas													
L8S	287	174	8	469	1100	4539	3493	0	8032	7450	16115	14.27	18.62
L9J	12	0	0	12	35	0	0	0	0			<b>20.00</b>	<b>20.00</b>
Old City of Hamilton													
L8H	449	48	20	517	1337	9700	1743	0	11443	11010	27555	21.30	21.30
L8K	529	195	59	783	1926	9284	4450	0	13734	13465	32935	15.48	22.37
L8L	484	121	20	625	1672	10332	2716	0	13048	13095	33980	20.57	22.53
L8M	241	99	2	342	803	3634	2563	0	6197	6230	13545	15.03	26.03
L8N	112	263	3	378	718	1779	5809	0	7588	7530	13585	15.35	21.92
L8P	261	400	15	676	1285	4437	8491	0	12928	12380	21345	15.39	20.33
L8R	126	129	3	258	589	2096	2864	0	4960	4735	10450	15.51	21.19
L8T	316	78	13	407	977	6086	1560	0	7646	7555	19310	18.28	19.76

FSA	Original FSA (House records)				Total Person	Canada Post			Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House
L8V	396	148	13	557	1358	6050	3290	0	9340	9180	21290	14.54	21.85
L8W	291	7	64	362	1187	7392	161	0	7553	7400	24490	20.44	20.44
L9A	385	92	22	499	1199	7349	2049	0	9398	9255	23055	17.78	21.93
L9B	222	8	52	282	912	5289	109	0	5398	5285	16325	18.74	18.74
L9C	558	98	71	727	1996	12221	1699	0	13920	13550	38120	18.91	16.88
<b>Ancaster</b>													
L9G	323	9	16	348	986	6634	188	0	6822	6555	19485	18.84	18.84
L9K	82	12	3	97	324	1559	80	0	1639	1525	5060	15.72	15.72
<b>Flamborough</b>													
L9H	532	92	43	667	1773	9608	2100	0	11708	11395	30150	16.26	22.22
L0R	1146	65	70	1281	3803	22938	568	1822	25328	24455	71350	<b>20.00</b>	<b>20.00</b>
<b>Region of Niagara</b>													
<b>Fort Erie</b>													
L2A	298	59	1	358	865	6258	694	10	6962	6425	15620	19.35	10.86
<b>Niagara Falls</b>													
L2E	383	83	14	480	1210	8039	1856	20	9915	9405	21120	19.26	21.21
L2G	416	119	21	556	1348	8777	2025	1	10803	10620	25320	19.75	16.73
L2H	279	28	13	320	912	5278	527	0	5805	5465	15750	17.08	17.08
L2J	263	32	28	323	847	4859	880	0	5739	5580	14295	17.28	17.28
<b>St Catharines</b>													
L2M	529	172	42	743	1806	10583	3665	0	14248	13620	32685	17.72	20.37
L2N	526	138	56	720	1733	9936	3086	0	13022	12505	30280	16.39	21.47
L2P	228	49	16	293	765	4354	1301	0	5655	5475	12940	18.69	18.69
L2R	388	179	22	589	1345	7964	3699	116	11779	11255	23650	18.83	19.75
L2S	253	42	31	326	862	5251	825	2	6078	6030	15720	18.50	18.50
L2T	206	55	10	271	679	3834	1272	0	5106	4880	11115	16.96	22.10
L2W	15	1	11	27	75	506	24	0	530	485	1520	17.96	17.96
<b>Thorold</b>													
L2V	278	49	8	335	855	5566	855	6	6427	6015	15625	17.96	17.96
<b>Welland</b>													
L3B	380	94	12	486	1183	8016	1589	170	9775	9200	21465	19.65	15.91
L3C	509	104	26	639	1666	9703	2010	0	11713	11345	28390	17.57	18.72
<b>Port Colbourne</b>													
L3K	362	64	3	429	1029	6717	1167	104	7988	7730	18295	18.08	17.65
<b>Grimsby</b>													
L3M	353	46	34	433	1173	6873	726	25	7624	7445	20450	17.19	17.19
<b>Pelham, Niagara on the lake, Wainfleet, Lincoln &amp; West Lincoln</b>													
L0S	671	36	27	734	1878	17883	491	599	18973	17645	45770	<b>20.00</b>	<b>20.00</b>
<b>City of Guelph</b>													
N1C	50	3	4	57	184	1149	0	14	1163	865	2880	<b>15.18</b>	<b>15.18</b>
N1E	499	120	31	650	1633	10168	2244	1	12413	11785	29440	18.22	17.75

FSA	Original FSA (House records)				Total Person	Canada Post				Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House	Apt.
N1G	394	67	88	549	1535	8535	1780	1	10316	9365	25525	16.08	24.12	
N1H	596	327	66	989	2434	10930	7446	319	18695	17825	43485	16.20	21.71	
N1K	93	1	3	97	325	2001	1	0	2002	1700	6240	17.53	17.53	
N1L	62	4	1	67	197	1619	0	13	1632	1075	3320	<b>16.04</b>	<b>16.04</b>	
<b>Wellington County</b>														
N1M	205	47	9	261	735					4965	13560	19.02	19.02	
N0B	378	22	6	406	1145	0	0	0	0	25915	77045	<b>20.00</b>	<b>20.00</b>	
<b>Orangeville</b>														
L9V	11	0	0	11	38	186	0	0	186	185	705	16.82	16.82	
L9W	473	60	42	575	1611	10107	1597	285	11989	11505	33730	19.36	25.54	
<b>Simcoe County</b>														
Bradford														
L3Z	287	31	16	334	1026	5730	367	215	6312	6595	20465	19.75	19.75	
New Tecumseth														
L9R	205	36	16	257	640	4188	749	123	5060	4905	12890	19.09	19.09	
Midland														
L4R	267	83	4	354	835	5601	1680	71	7352	7125	17325	20.28	19.62	
Penetanguishene														
L9M	177	24	5	206	492	4651	258	56	4965	4640	11730	<b>20.00</b>	<b>20.00</b>	
Collingwood														
L9Y	253	67	24	344	813	7076	1105	35	8216	7625	18120	<b>20.00</b>	<b>20.00</b>	
Severn & Ramara														
L0K	474	25	15	514	1287	12491	292	553	13336	12260	31625	<b>20.00</b>	<b>20.00</b>	
Tiny, Tay, Oro-Medonte, Innisfil & Springwater														
L0L	1032	37	8	1077	2898	17081	179	860	18120	18950	51785	<b>20.00</b>	<b>20.00</b>	
Wasaga Beach, Clearview, Adjala & Essa														
L0M	360	39	7	406	1164	10414	250	537	11201	10520	30465	<b>20.00</b>	<b>20.00</b>	
N0C	6	0	0	6	13	0	0	0	0	5745	15140	<b>20.00</b>	<b>20.00</b>	
<b>City of Barrie</b>														
L4M	536	157	33	726	1871	11317	3348	39	14704	13250	33920	17.98	19.22	
L4N	1020	190	110	1320	3709	23057	3925	0	26982	25045	72315	18.94	19.17	
<b>City of Orillia</b>														
L3V	625	134	38	797	1918	13665	2607	196	16468	15700	39275	<b>20.00</b>	<b>20.00</b>	
<b>City of Kawartha Lakes</b>														
K9V	389	108	9	506	1210	7897	2127	315	10339	9405	22895	<b>20.00</b>	<b>20.00</b>	
K0M	485	18	2	505	1188	13793	242	1188	15223	18010	44220	<b>20.00</b>	<b>20.00</b>	

FSA	Original FSA (House records)				Total Person	Canada Post			Census			Expn. Fac.	
	House	Apt.	Town.	Total		House	Apt.	Farm	Total	Occ.	D.U.	Population	House
<b>Peterborough County</b>													
K0L	537	26	0	563	1484	5296	65	382	5743	26515	66725	<b>20.00</b>	<b>20.00</b>
<b>City of Peterborough</b>													
K9H	468	159	14	641	1503	8384	3219	0	11603	10970	24450	16.45	19.14
K9J	654	195	38	887	2116	14665	3982	322	18969	17690	43370	20.20	19.04
K9K	166	23	7	196	548	2427	607	1	3035	3190	9045	16.28	16.28
K9L	94	18	6	118	305	1621	221	0	1842	1885	5305	15.97	15.97

#### Notes

- (1) Some parts of "L0A", "L0B" and "L0G" were surveyed in 2000 and again in 2001 - hence the need for two expansion factors.
- (2) "L9N" (Uxbridge) and "L9P" (Holland Landing) were omitted from the initial sample and over represented in the make up sample.

The expansion factors shown in bold type have been manually adjusted.

## 5 CSD Factors and Municipal Summary

An asterisk (\*) in the mean factor column indicates the use of a single factor applied to the CSD.

Municipality	Census Occupied Dwelling units	TTS Records House	Population Person	Expanded Totals House	Person	Mean Expn. Factor	Diff. from Dwelling Units	Census Population	Pop. Diff. in 1996	
PD1	168042	4649	9056	86905	164180	18.69		-2.3%	-5.0%	
PD2	204305	4726	11681	83210	199931	17.61		-2.1%	-2.1%	
PD3	241536	5525	14746	89180	230871	16.14		-4.4%	-1.9%	
PD4	205951	5732	12944	95892	202527	16.73		-1.7%	-3.2%	
PD5	120038	2632	6799	45721	115751	17.37		-3.6%	-2.1%	
PD6	216996	5393	12939	89316	209624	16.56		-3.4%	-1.9%	
PD7	57984	1441	3480	24270	55637	16.84		-4.0%	-0.8%	
PD8	182891	4392	11310	70511	177650	16.05		-2.9%	-1.0%	
PD9	101061	1728	5551	28701	91246	16.61		-9.7%	-9.4%	
PD10	146564	2811	8334	48253	140010	17.17		-4.5%	-5.2%	
PD11	156411	3753	9608	59557	147312	15.87		-5.8%	-2.7%	
PD12	81136	1846	5272	27368	76753	14.83		-5.4%	-2.0%	
PD13	217765	4742	13450	75392	210845	15.90		-3.2%	-2.9%	
PD14	64978	1542	4081	25314	65310	16.42		0.5%	-6.0%	
PD15	84323	1466	4374	26458	77620	18.05		-7.9%	-3.3%	
PD16	226196	4147	12817	67203	203440	16.21		-10.1%	-7.2%	
<b>Toronto</b>	<b>943079</b>	<b>2476177</b>	<b>56525</b>	<b>146442</b>	<b>943251</b>	<b>2368707</b>	<b>16.69</b>	<b>0.0%</b>	<b>-4.3%</b>	<b>-3.4%</b>
Brock	4399	12110	222	548	4400	10861	19.82*	0.0%	-10.3%	-2.3%
Uxbridge	5900	17377	393	1119	5732	16350	14.59	-2.8%	-5.9%	-7.2%
Scugog	7095	20224	414	1154	7357	20529	17.77	3.7%	1.5%	0.2%
Pickering/Ajax	26945	87139	1499	4700	27101	84308	18.08	0.6%	-3.2%	-6.1%
Ajax	23181	73753	1236	3813	23221	71233	18.79	0.2%	-3.4%	0.7%
Whitby	28641	87413	1556	4594	28974	84747	18.62	1.2%	-3.0%	-2.2%
Oshawa	52356	139051	2785	7383	52204	134354	18.74	-0.3%	-3.4%	-0.6%
Clarington	23206	69834	1252	3618	24153	69814	19.29	4.1%	0.0%	0.0%
<b>Durham</b>	<b>171723</b>	<b>506901</b>	<b>9357</b>	<b>26929</b>	<b>173142</b>	<b>492195</b>	<b>18.50</b>	<b>0.8%</b>	<b>-2.9%</b>	<b>-1.8%</b>
Georgina	13882	39536	697	1881	13800	37254	19.80	-0.6%	-5.8%	-2.7%
East Gwillimbury	6511	20555	447	1370	6781	20490	15.17	4.2%	-0.3%	-4.8%
Newmarket	21309	65788	1188	3530	22035	64899	18.55	3.4%	-1.4%	-5.1%
Aurora	12994	40167	814	2488	13035	39504	16.01	0.3%	-1.7%	-0.2%
Richmond Hill	41347	132030	2317	7353	42022	133162	18.14	1.6%	0.9%	-4.3%
Whitchurch Stouffville	7467	22008	368	1030	7380	20656	20.05	-1.2%	-6.1%	-3.6%
Markham	60664	208615	3237	10514	61024	198201	18.85	0.6%	-5.0%	-5.7%
King	6051	18533	309	921	6050	18033	19.58*	0.0%	-2.7%	-1.1%
V Vaughan	52960	182022	3095	10672	55584	188755	17.96	5.0%	3.7%	-3.6%
<b>York</b>	<b>223185</b>	<b>729254</b>	<b>12472</b>	<b>39759</b>	<b>227711</b>	<b>720953</b>	<b>18.26</b>	<b>2.0%</b>	<b>-1.1%</b>	<b>-4.2%</b>
Caledon	16112	50595	803	2448	16108	49107	20.06*	0.0%	-2.9%	-4.2%
Brampton	97552	325428	5307	17119	97774	312992	18.42	0.2%	-3.8%	-4.7%
Mississauga	195181	612925	11530	35663	194688	592127	16.89	-0.3%	-3.4%	-4.7%
<b>Peel</b>	<b>308845</b>	<b>988948</b>	<b>17640</b>	<b>55230</b>	<b>308571</b>	<b>954226</b>	<b>17.49</b>	<b>-0.1%</b>	<b>-3.5%</b>	<b>-4.7%</b>
Halton Hills	16383	48184	846	2397	16173	45675	19.12	-1.3%	-5.2%	-6.8%
Milton	10682	31471	626	1749	10707	29652	17.10	0.2%	-5.8%	-3.4%
Oakville	49260	144738	2776	7935	49480	140039	17.82	0.4%	-3.2%	-3.7%
Burlington	57340	150836	3170	8241	57239	148742	18.06	-0.2%	-1.4%	-2.1%
<b>Halton</b>	<b>133665</b>	<b>375229</b>	<b>7418</b>	<b>20322</b>	<b>133599</b>	<b>364108</b>	<b>18.01</b>	<b>0.0%</b>	<b>-3.0%</b>	<b>-3.4%</b>

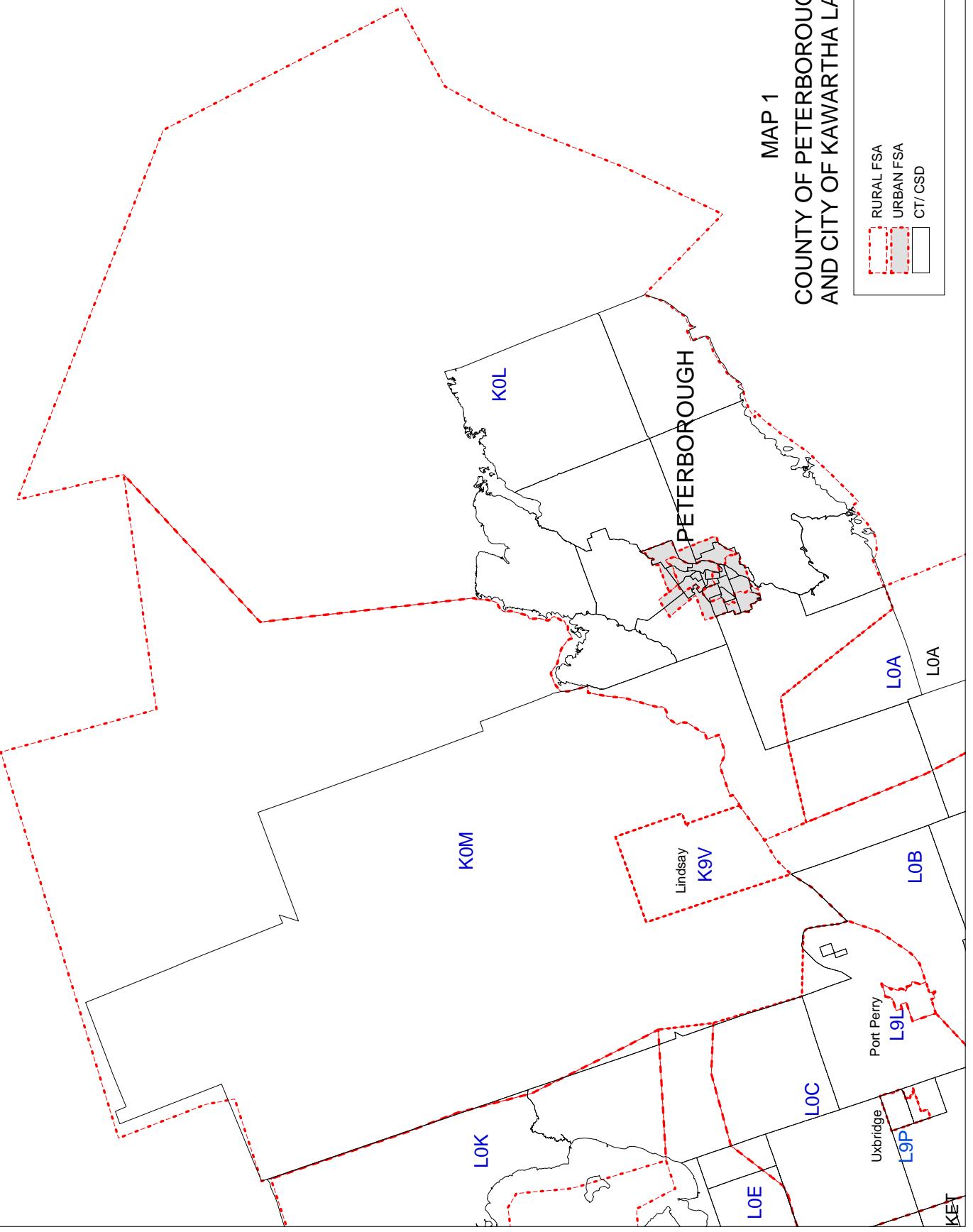
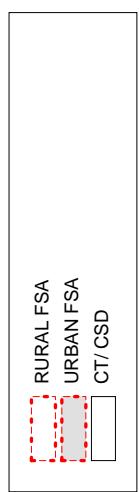
Municipality	Census Occupied Dwelling units	Population	TTS Records		Expanded Totals	Mean Expn. Factor	Diff. from Dwelling Units	Census Population	Pop. Diff. in 1996	
	House	Person	House	Person						
Flamborough	37796	600	1823	11589	35293	19.32		-6.6%	-2.6%	
Dundas	24394	570	1498	9844	25285	17.27		3.7%	-5.1%	
Ancaster	27485	493	1432	8980	25984	18.21		-5.5%	-0.4%	
Glanbrook	12145	246	695	4890	13823	19.88		13.8%	-2.8%	
Stoney Creek	57327	1104	3242	19731	57400	17.87		0.1%	-4.2%	
Hamilton	331121	7181	17822	133806	328004	18.63		-0.9%	-0.5%	
<b>City Of Hamilton</b>	<b>188156</b>	<b>490268</b>	<b>10194</b>	<b>26512</b>	<b>188841</b>	<b>485788</b>	<b>18.52</b>	<b>0.4%</b>	<b>-0.9%</b>	<b>-1.2%</b>
<b>GTA+Hamilton</b>	<b>1968653</b>	<b>5566777</b>	<b>113610</b>	<b>315208</b>	<b>1975142</b>	<b>5386095</b>	<b>17.39</b>	<b>0.3%</b>	<b>-3.2%</b>	<b>-3.4%</b>
Grimsby	7587	21297	441	1191	7585	20485	17.20*	0.0%	-3.8%	-0.4%
Lincoln	7125	20612	296	832	7125	20026	24.07*	0.0%	-2.8%	-1.7%
Pelham	5596	15272	221	578	5596	14635	25.32*	0.0%	-4.2%	0.3%
Niagara-on-the-Lake	4959	13839	197	472	4958	11880	25.17*	0.0%	-14.2%	-12.7%
St Catharines	53807	129170	2955	7221	54011	130676	18.28	0.4%	1.2%	-2.2%
Thorold	6905	18048	362	927	6903	17678	19.07*	0.0%	-2.1%	-0.3%
Niagara Falls	31506	78815	1693	4366	31339	80732	18.51	-0.5%	2.4%	1.5%
Welland	19753	48402	1109	2805	19751	49957	17.81*	0.0%	3.2%	0.0%
Port Colbourne	7617	18450	436	1058	7617	18483	17.47*	0.0%	0.2%	1.5%
Fort Erie	11379	28143	591	1450	11377	27913	19.25*	0.0%	-0.8%	1.2%
West Lincoln	3951	12268	212	660	3952	12302	18.64*	0.0%	0.3%	8.7%
Wainfleet	2227	6258	107	308	2227	6409	20.81*	0.0%	2.4%	1.5%
<b>Niagara</b>	<b>162412</b>	<b>410574</b>	<b>8620</b>	<b>21868</b>	<b>162441</b>	<b>411177</b>	<b>18.84</b>	<b>0.0%</b>	<b>0.1%</b>	<b>-0.5%</b>
Puslinch	1955	5885	78	232	1955	5814	25.06*	0.0%	-1.2%	-3.7%
Guelph/Eramosa	3705	11174	184	554	3706	11158	20.14*	0.0%	-0.1%	
Wellington Centre	8594	24280	401	1134	8593	24302	21.43*	0.0%	0.1%	
Erin	3749	11052	137	386	3748	10561	27.36*	0.0%	-4.4%	-6.0%
<b>Wellington County</b>	<b>18003</b>	<b>52391</b>	<b>800</b>	<b>2306</b>	<b>18002</b>	<b>51834</b>	<b>22.50</b>	<b>0.0%</b>	<b>-1.1%</b>	<b>-6.4%</b>
Innisfil	10198	28666	437	1233	10200	28778	23.34*	0.0%	0.4%	2.0%
Bradford-West Gwillimbury	7131	22228	374	1138	7132	21702	19.07*	0.0%	-2.4%	2.0%
New Tecumseth	9278	26141	712	1999	10595	29002	14.88	14.2%	10.9%	-1.4%
Adjala	3300	10082	141	442	3299	10343	23.40*	0.0%	2.6%	-4.8%
Essa	5545	16808	240	684	5544	15800	23.10*	0.0%	-6.0%	-4.2%
Clearview	4804	13796	170	475	4804	13424	28.26*	0.0%	-2.7%	1.6%
Sprigwater	5351	16104	232	655	5350	15104	23.06*	0.0%	-6.2%	-4.2%
Collingwood	6576	16039	335	788	6576	15468	19.63*	0.0%	-3.6%	
Wasaga Beach	5196	12419	251	563	5196	11654	20.70*	0.0%	-6.2%	
Tiny	3720	9035	115	301	3720	9737	32.35*	0.0%	7.8%	
Penatanquishene	3133	8316	178	423	3133	7445	17.60*	0.0%	-10.5%	
Midland	6550	16214	329	766	6550	15251	19.91*	0.0%	-5.9%	
Tay	3472	9162	159	418	3473	9129	21.84*	0.0%	-0.4%	
Oro-Medonte	6607	18315	276	757	6607	18123	23.94*	0.0%	-1.1%	
Severn	4185	11135	129	324	4185	10511	32.44*	0.0%	-5.6%	
Ramara	3631	8615	139	335	3631	8750	26.12*	0.0%	1.6%	
<b>Simcoe County</b>	<b>88677</b>	<b>243075</b>	<b>4217</b>	<b>11301</b>	<b>89995</b>	<b>240221</b>	<b>21.34</b>	<b>1.5%</b>	<b>-1.2%</b>	

	Census Occupied Dwelling units	Population	TTS Records	House	Person	Expanded Totals	Mean Expn. Factor	Diff. from Census Dwelling Units	Census Popula- tion	Pop. Diff. in 1996
Municipality										
Cavan-North										
Monaghan	2840	8453	173	490	2841	8046	16.42*	0.0%	-4.8%	1.7%
South Monaghan-										
Otonabee	2516	6966	99	272	2516	6912	25.41*	0.0%	-0.8%	
Asphodel	1486	4080	62	158	1486	3787	23.97*	0.0%	-7.2%	-3.7%
Dummer-Douro	2376	6852	75	210	2376	6653	31.68*	0.0%	-2.9%	
Smith-Ennismore-										
Lakefield	6565	16414	340	853	6565	16471	19.31*	0.0%	0.3%	
<b>Peterborough</b>	<b>15783</b>	<b>42765</b>	<b>749</b>	<b>1983</b>	<b>15784</b>	<b>41869</b>	<b>21.07</b>	<b>0.0%</b>	<b>-2.1%</b>	
<b>County</b>										
City of Guelph	40514	106170	2302	5990	40851	104357	17.75	0.8%	-1.7%	-1.4%
Orangeville	8602	25248	481	1352	8600	24174	17.88*	0.0%	-4.3%	-6.0%
Dufferin			53	161	1060	3220	20.00			
Barrie	36855	103710	1969	5359	36860	100320	18.72*	0.0%	-3.3%	-4.9%
Orillia	11609	29121	629	1510	11611	27875	18.46*	0.0%	-4.3%	
Kawartha Lakes	26781	69179	1312	3254	26778	66414	20.41*	0.0%	-4.0%	
Peterborough City	29174	71446	1667	3992	30372	72333	18.22	4.1%	1.2%	
<b>Total excl. GTA &amp; Ham &amp; Dufferin</b>	<b>438410</b>	<b>1153679</b>	<b>22718</b>	<b>58819</b>	<b>441299</b>	<b>1140258</b>	<b>19.43</b>	<b>0.7%</b>	<b>-1.2%</b>	
<b>Total excl. GTA &amp; Ham.</b>			<b>22771</b>	<b>58980</b>	<b>442359</b>	<b>1143478</b>	<b>19.43</b>			
<b>Total survey area excl. Dufferin</b>	<b>2407063</b>	<b>6720456</b>	<b>136326</b>	<b>374021</b>	<b>2416453</b>	<b>6526395</b>	<b>17.73</b>	<b>0.4%</b>	<b>-2.9%</b>	
<b>Total survey area</b>			<b>136379</b>	<b>374182</b>	<b>2417513</b>	<b>6529615</b>	<b>17.73</b>			

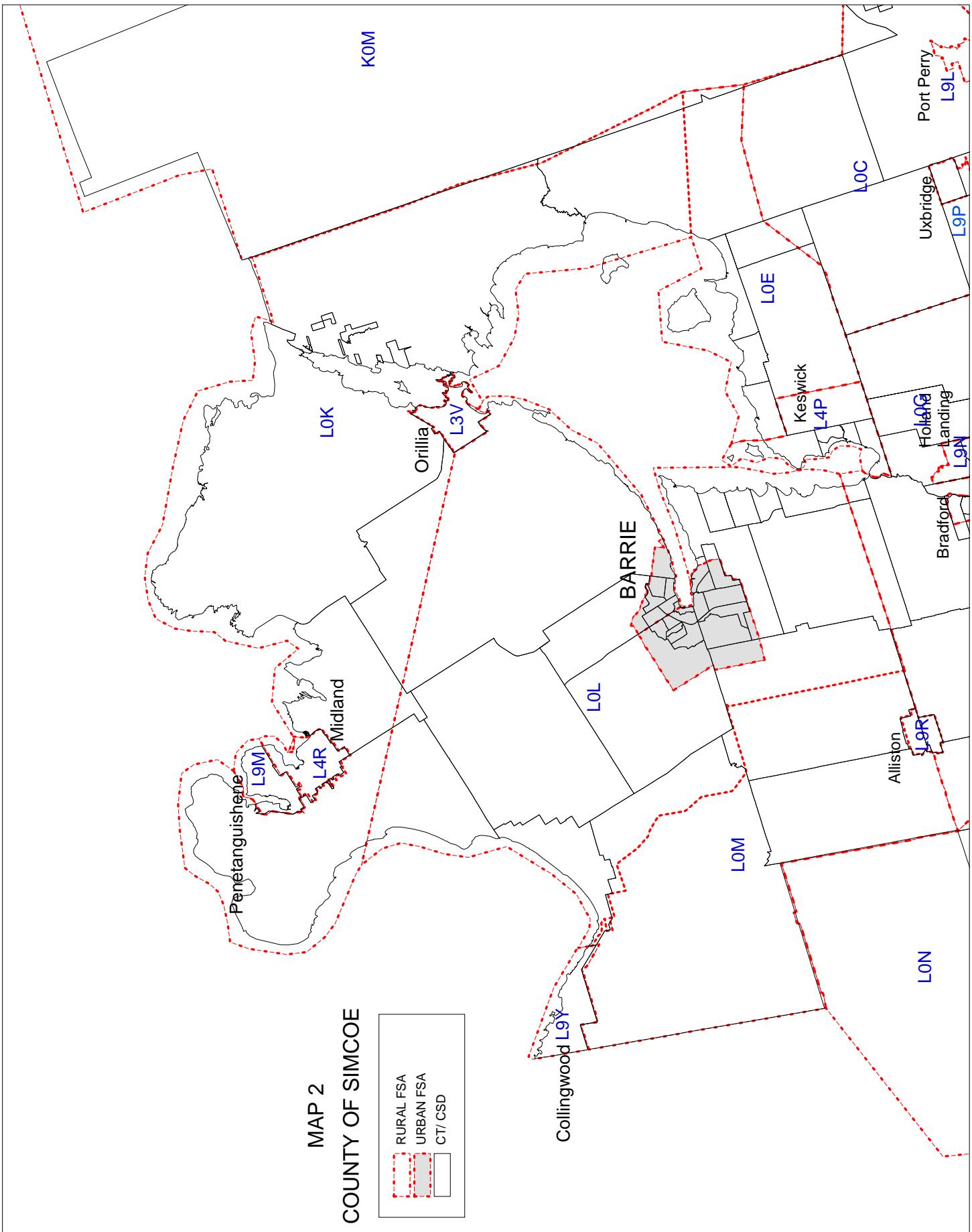
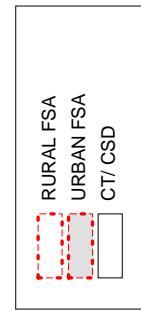
## **6 Appendix - FSA boundaries**

1. County Of Peterborough and City of Kawartha Lakes
2. County of Simcoe
3. York Region, Durham Region, and City of Toronto
4. Peel Region, Halton Region, and County of Wellington
5. City of Hamilton and Niagara Region
6. City of Peterborough
7. Durham Region (South), Oshawa, and Bowmanville
8. Pickering, Ajax, and Whitby
9. City of Toronto (East)
10. City of Toronto (South)
11. City of Toronto (West)
12. City of Toronto (North)
13. City of Vaughan, Markham, and Richmond Hill
14. Aurora, Bradford, Newmarket, and Holland Landing
15. City of Barrie
16. Town of Orangeville
17. City of Brampton and Mississauga
18. City of Burlington, Oakville, and Milton
19. City of Hamilton
20. City of Guelph
21. City of Niagara Falls
22. City of St. Catharines
23. City of Welland

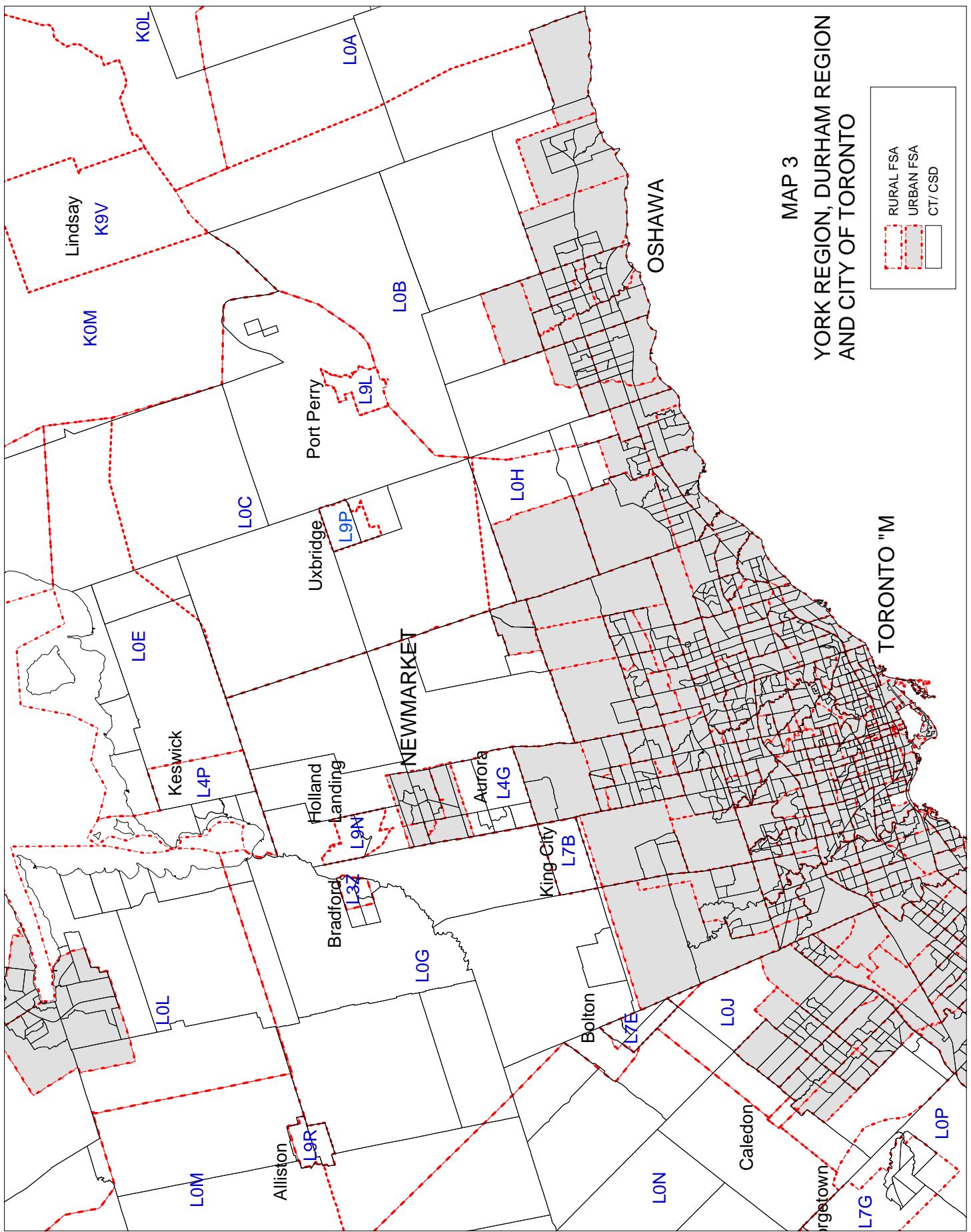
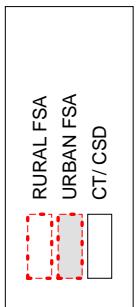
MAP 1  
COUNTY OF PETERBOROUGH  
AND CITY OF KAWARTHAS LAKES

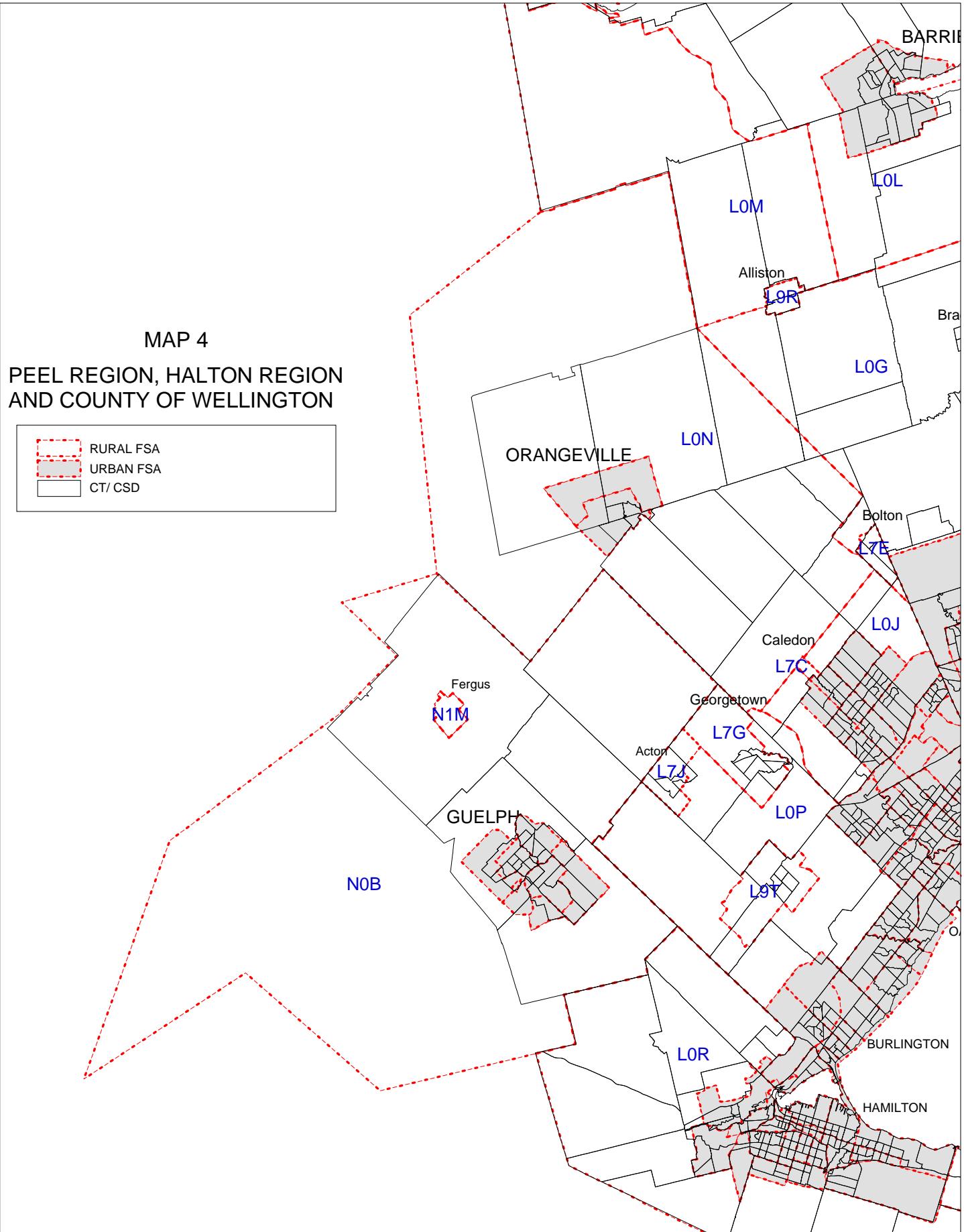


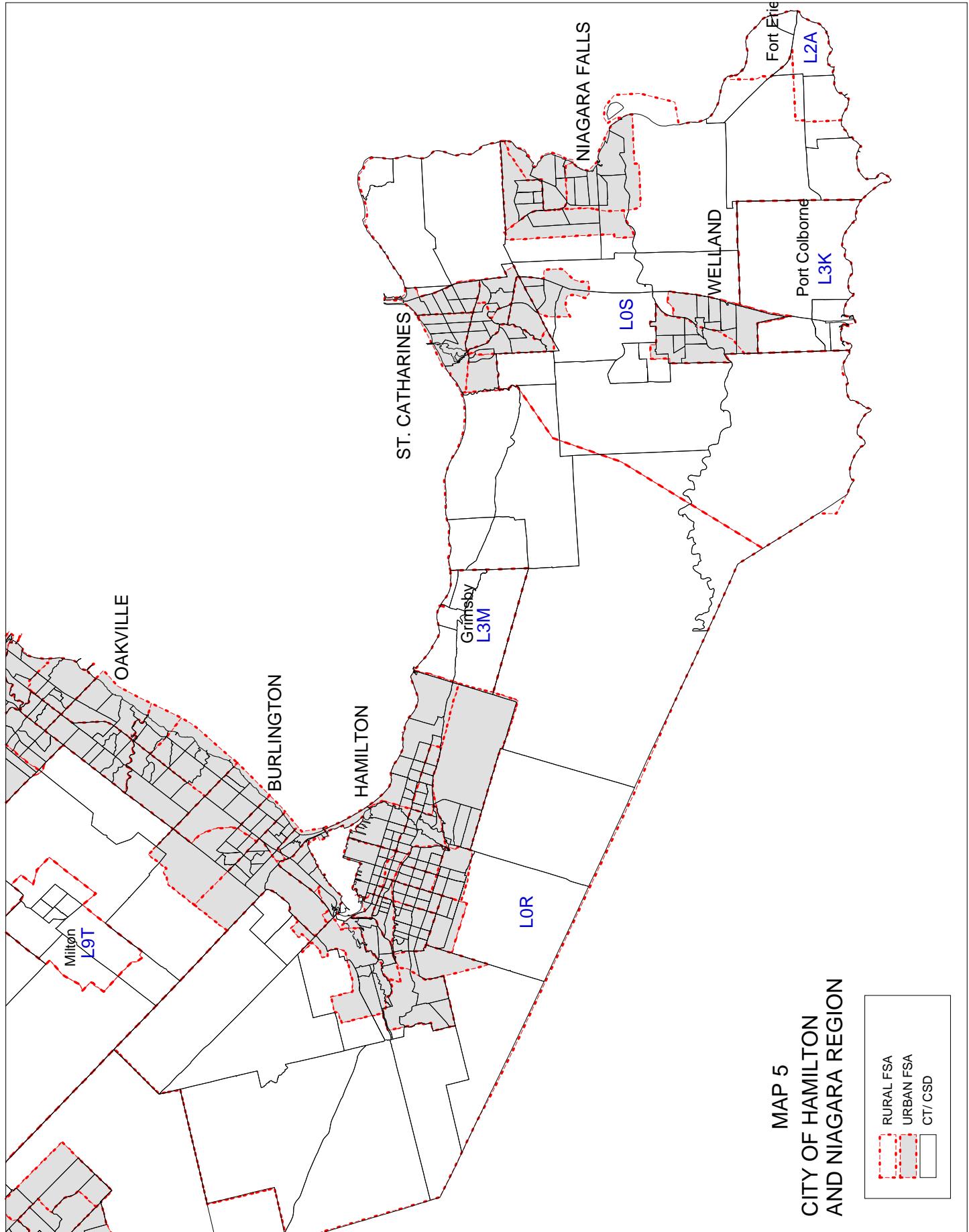
**MAP 2**  
**COUNTY OF SIMCOE**



MAP 3  
YORK REGION, DURHAM REGION  
AND CITY OF TORONTO







MAP 6  
CITY OF PETERBOROUGH



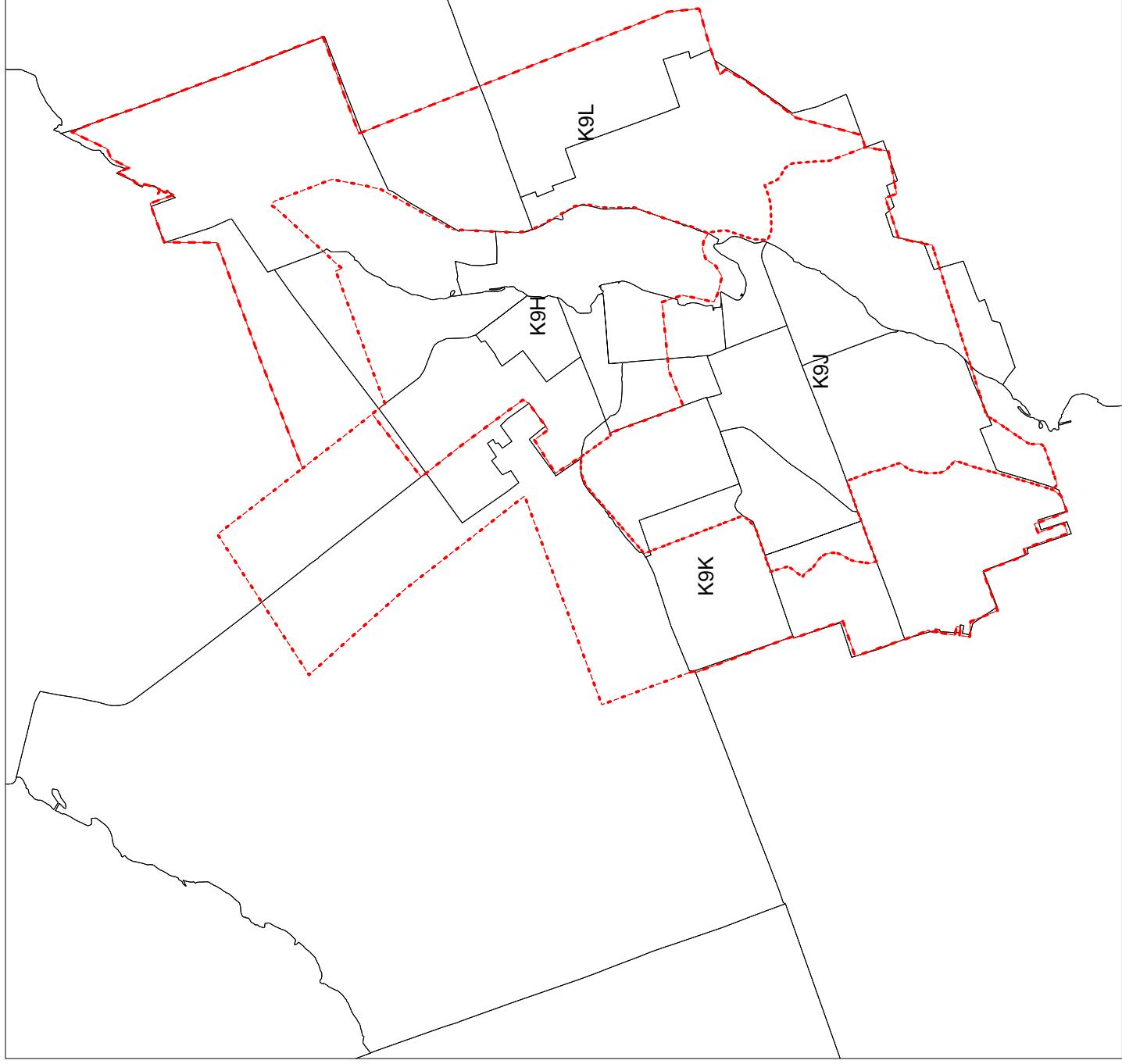
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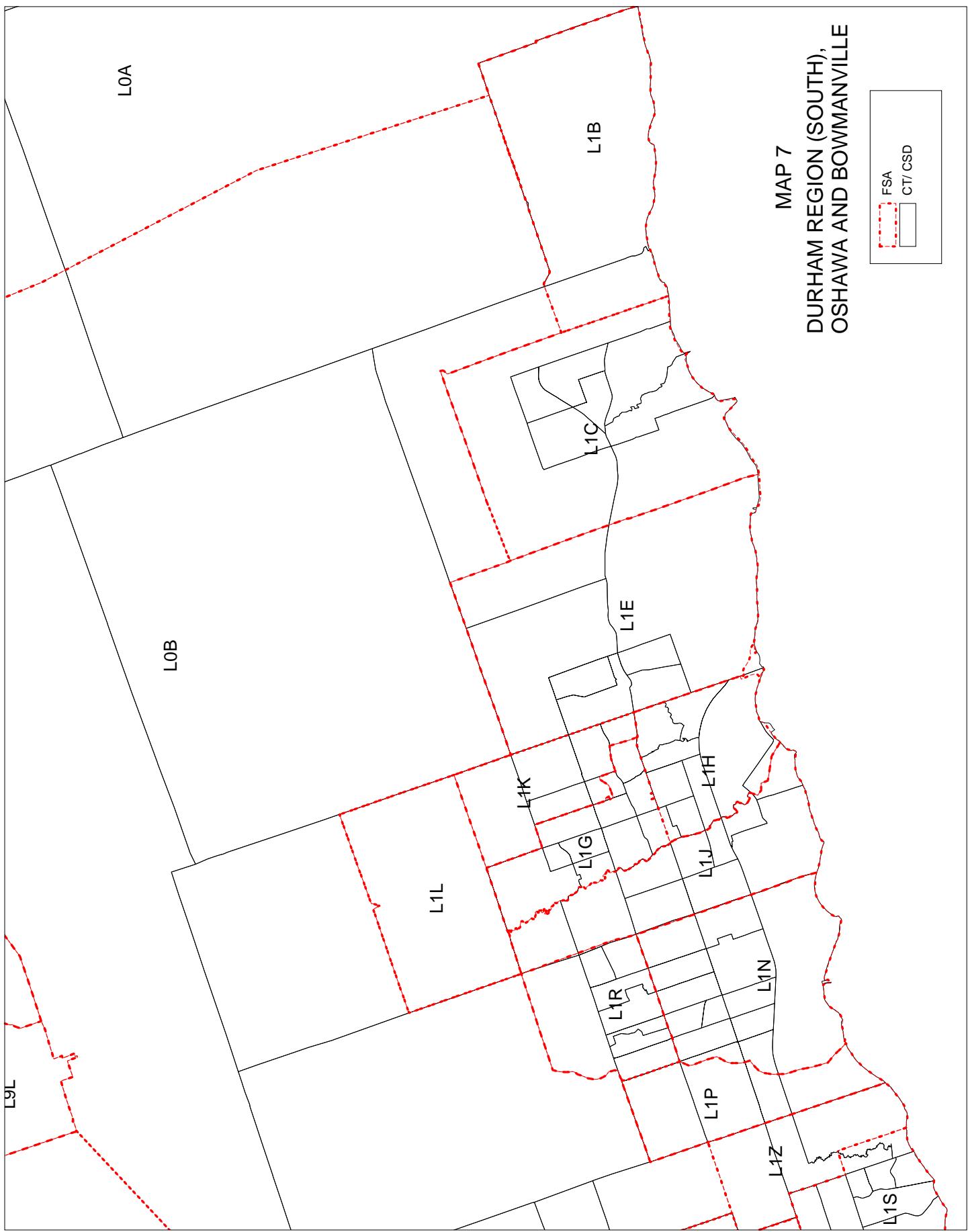
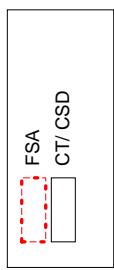
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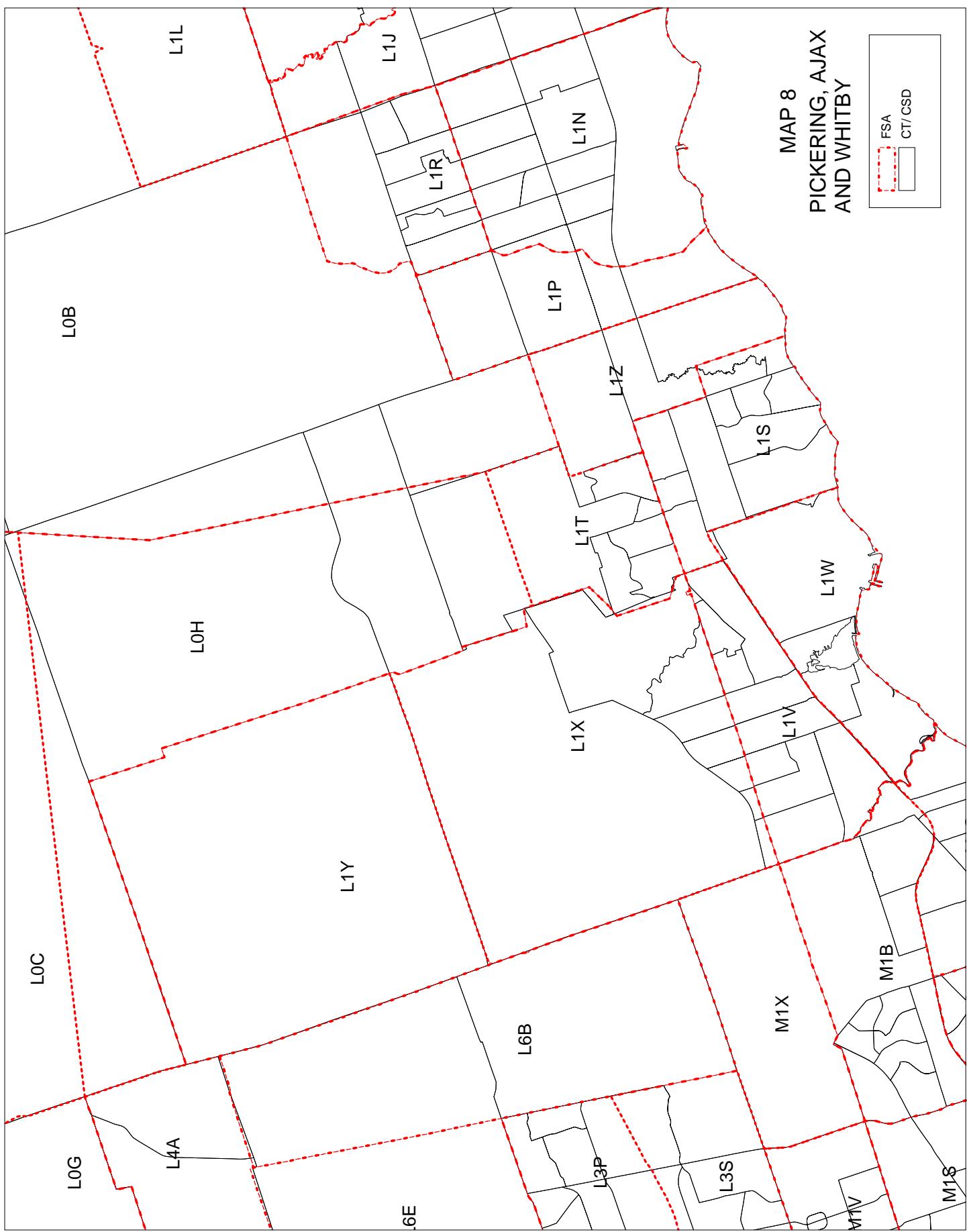
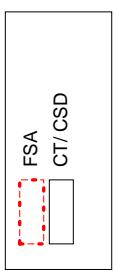
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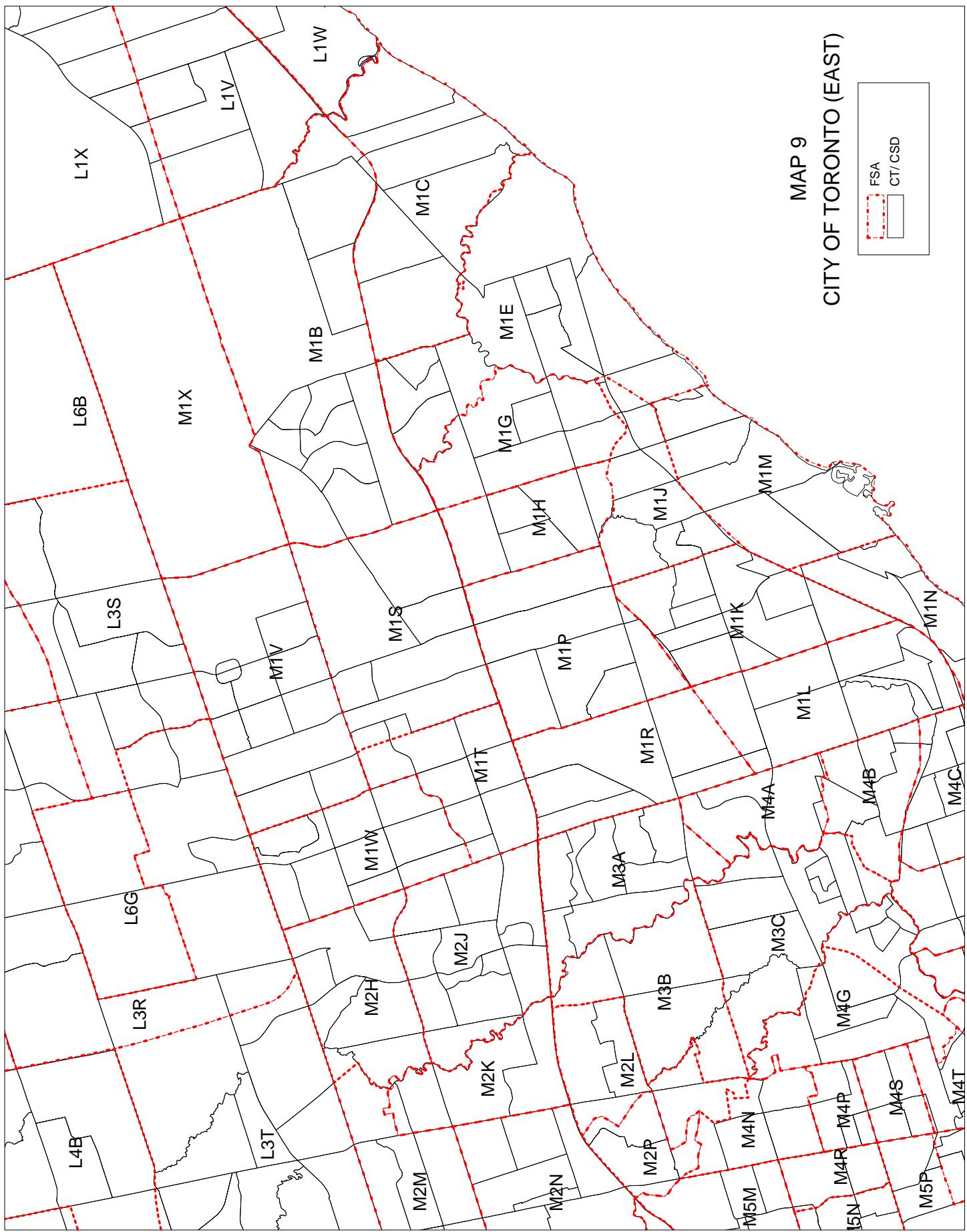
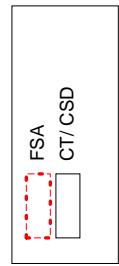
**MAP 7**  
**DURHAM REGION (SOUTH),  
OSHAWA AND BOWMANVILLE**

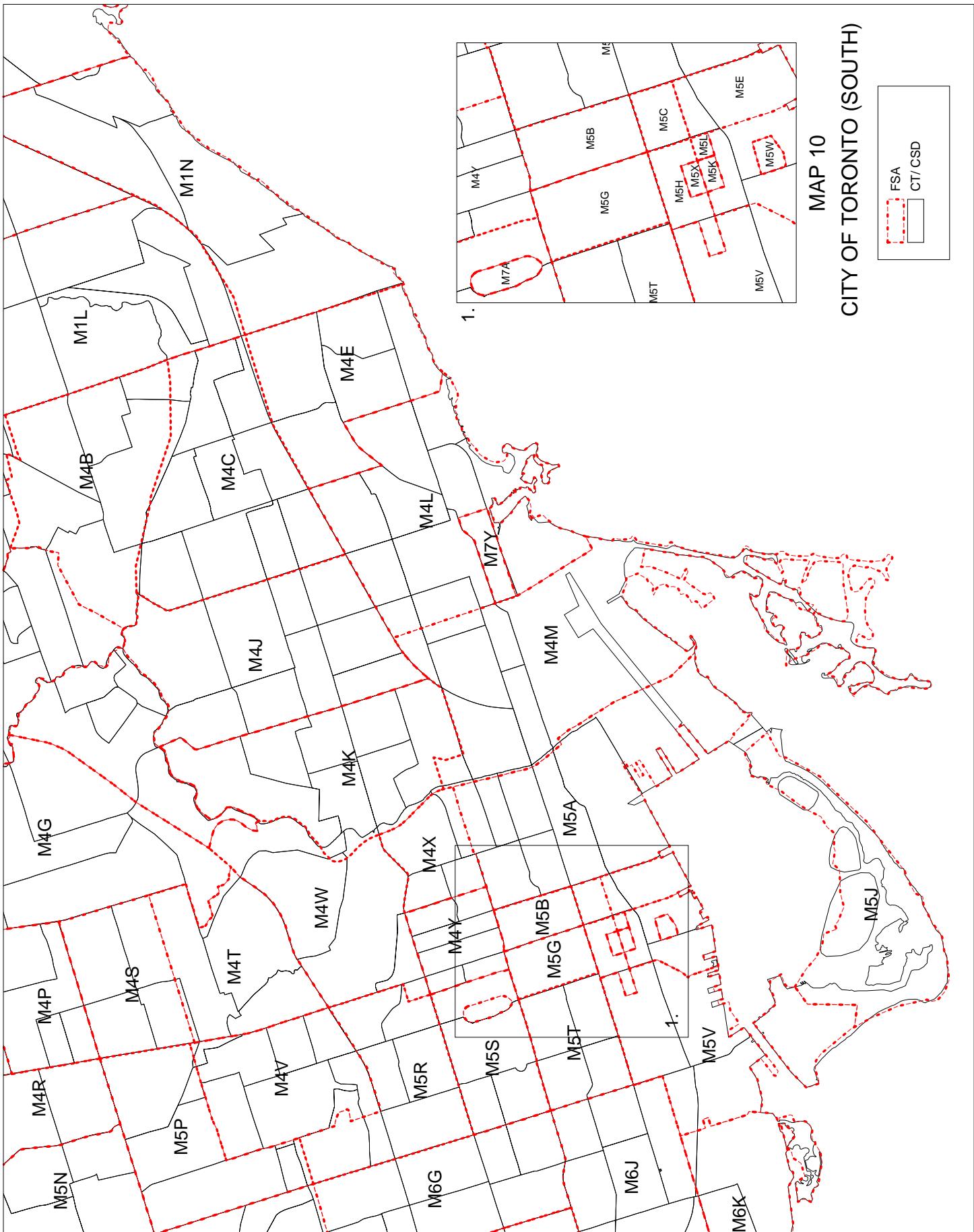


MAP 8  
PICKERING, AJAX  
AND WHITBY

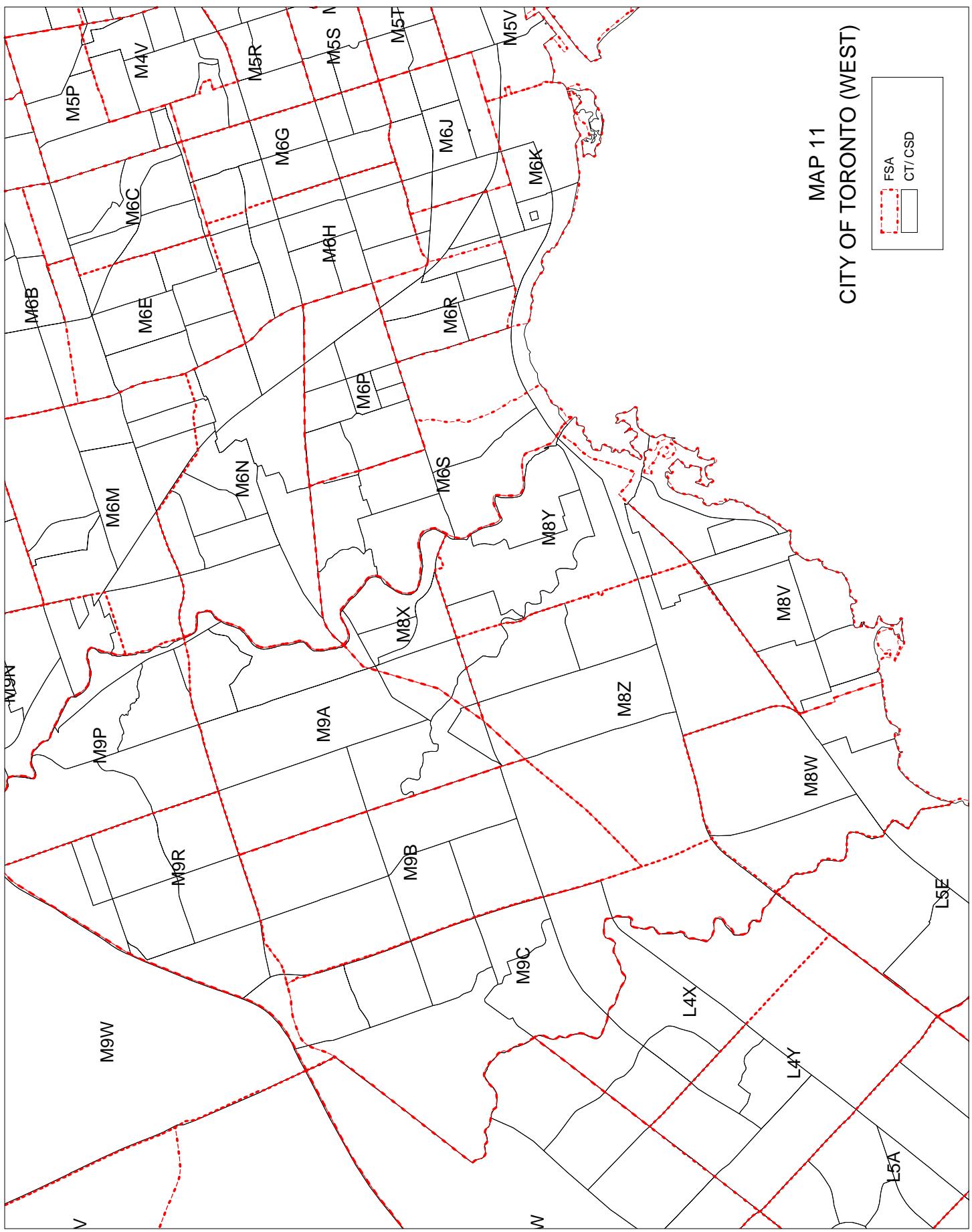
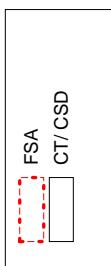


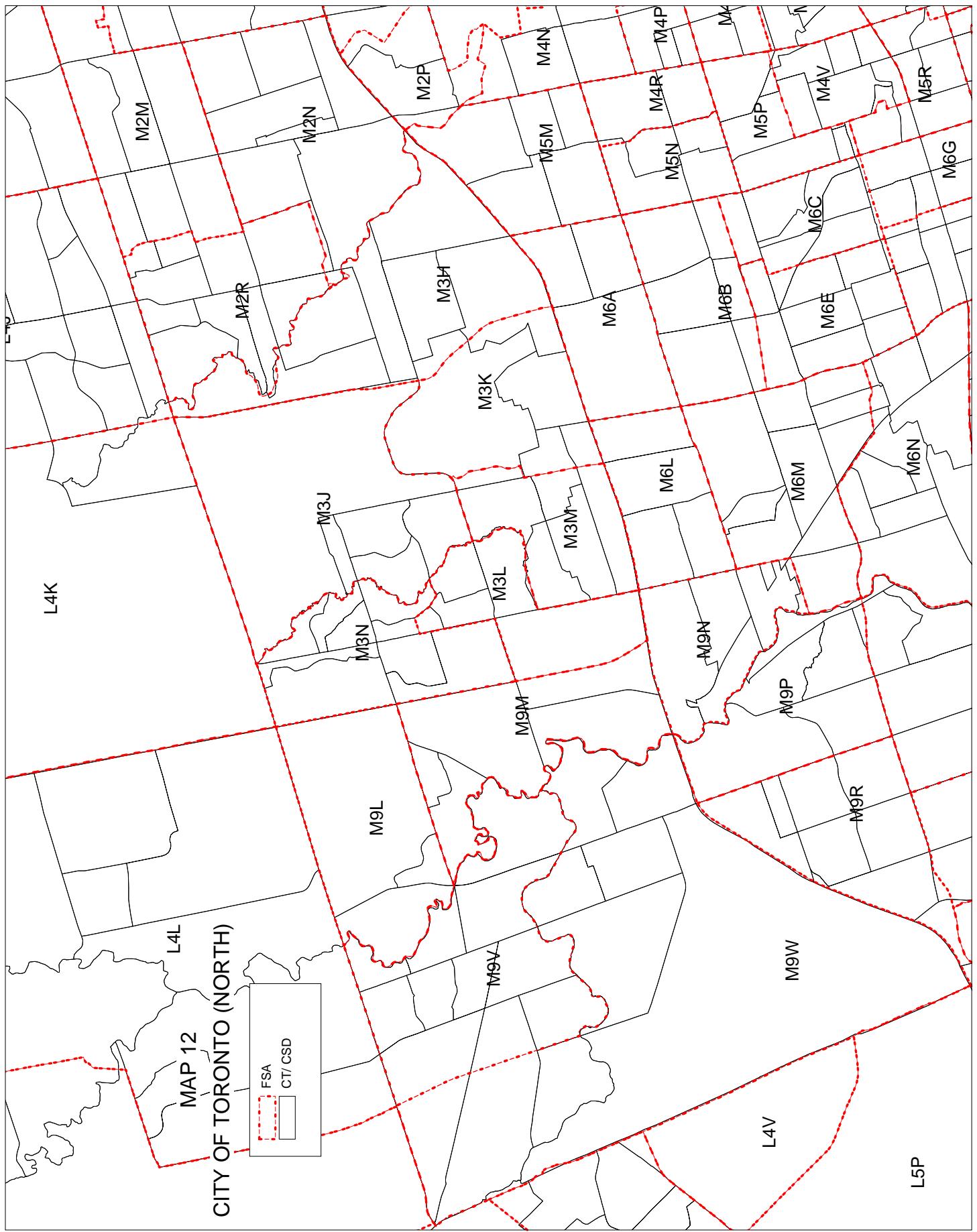
MAP 9  
CITY OF TORONTO (EAST)



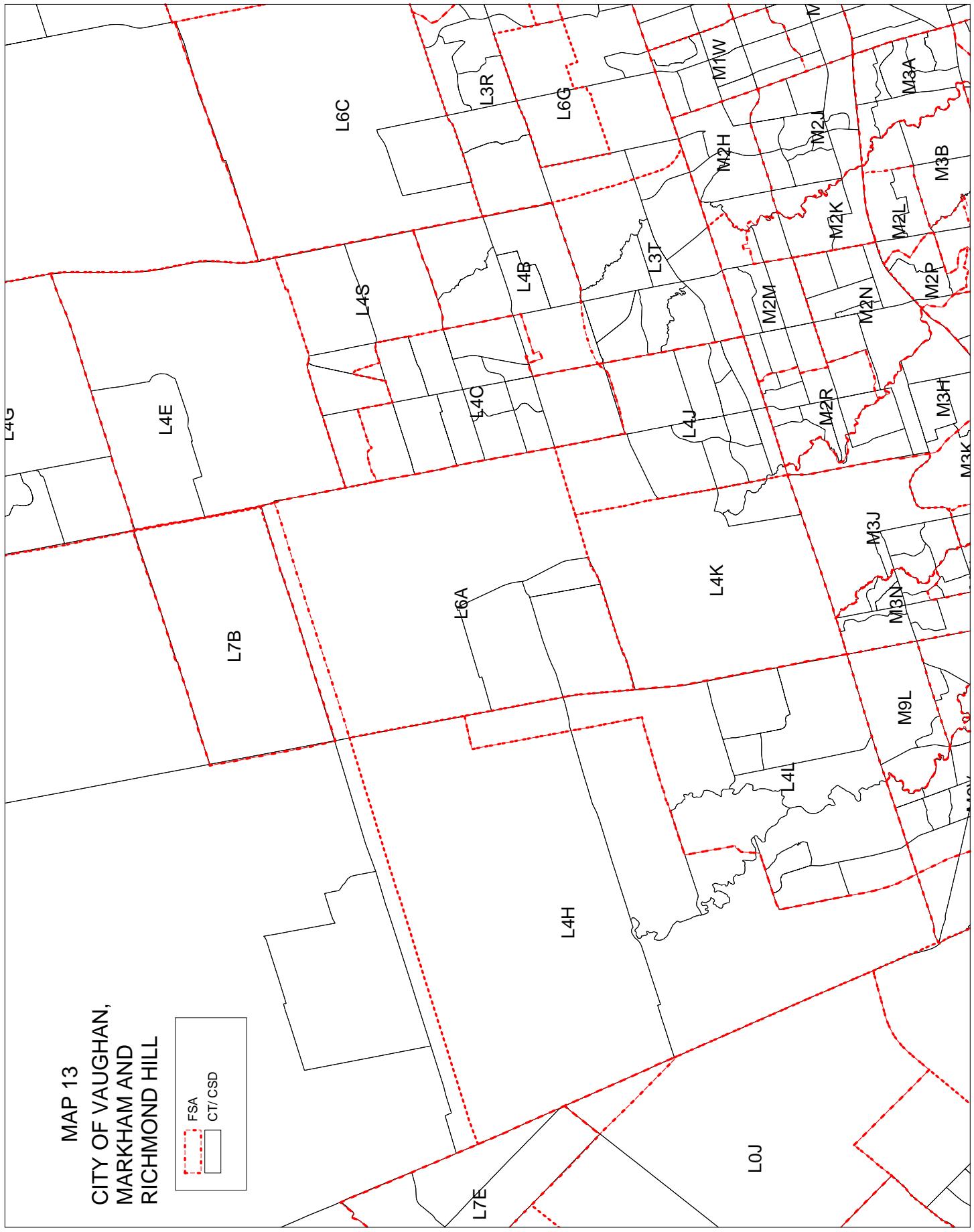
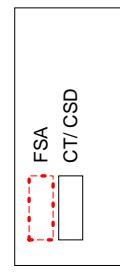


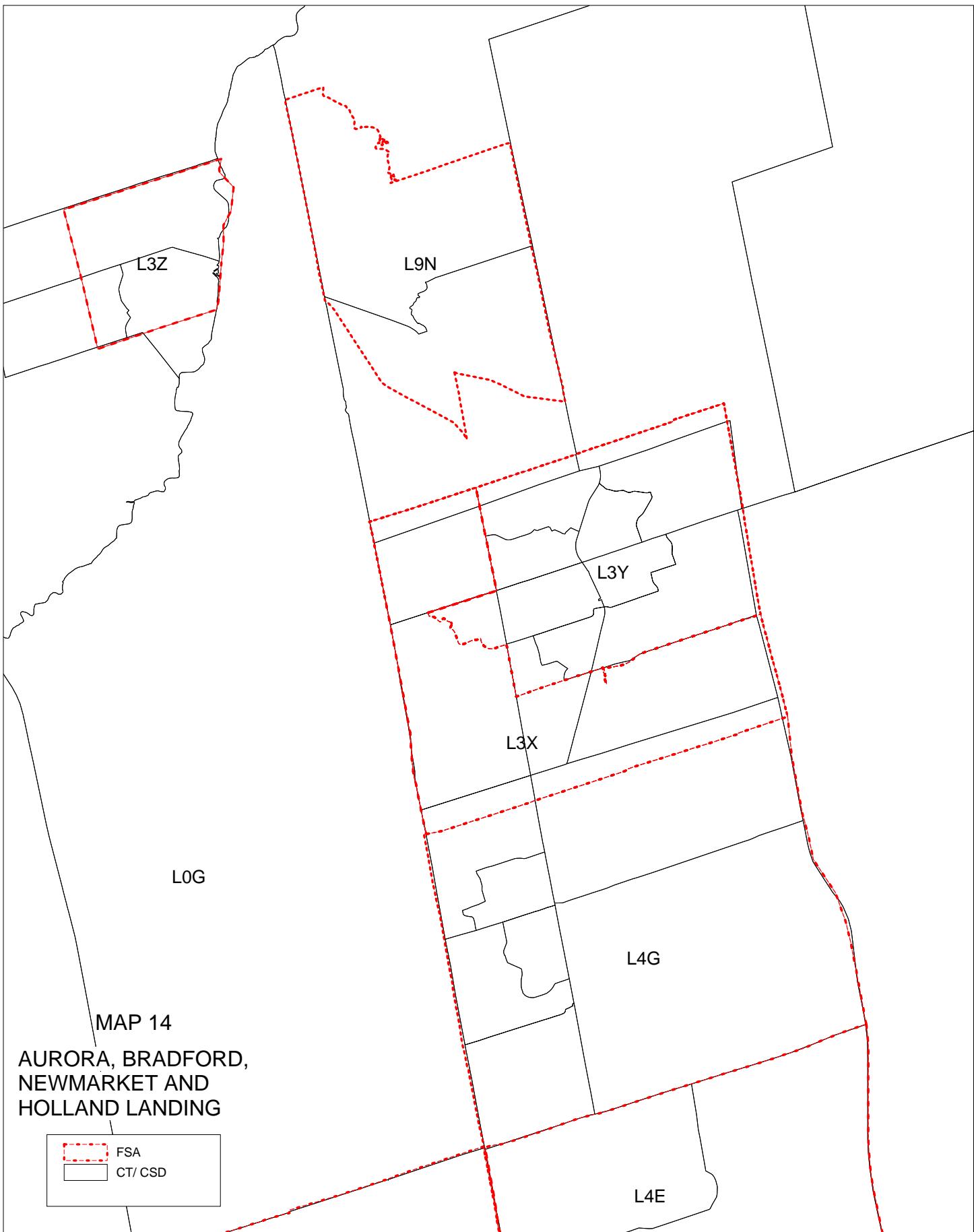
MAP 11  
CITY OF TORONTO (WEST)



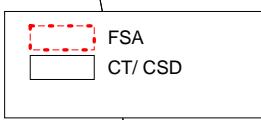


**MAP 13**  
**CITY OF VAUGHAN,  
MARKHAM AND  
RICHMOND HILL**

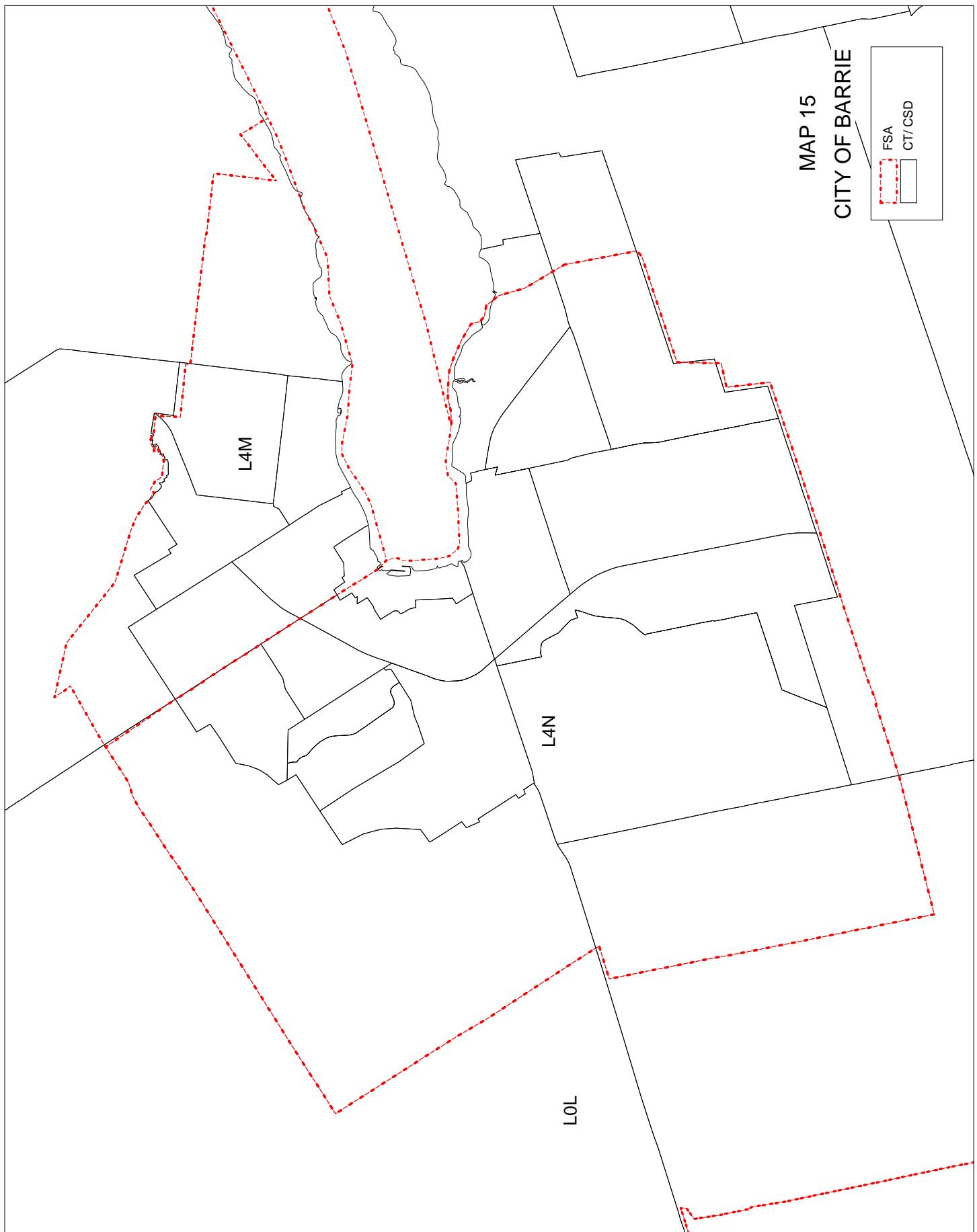
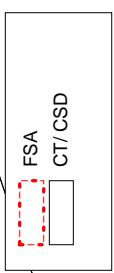




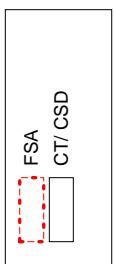
MAP 14  
AURORA, BRADFORD,  
NEWMARKET AND  
HOLLAND LANDING



MAP 15  
CITY OF BARRIE



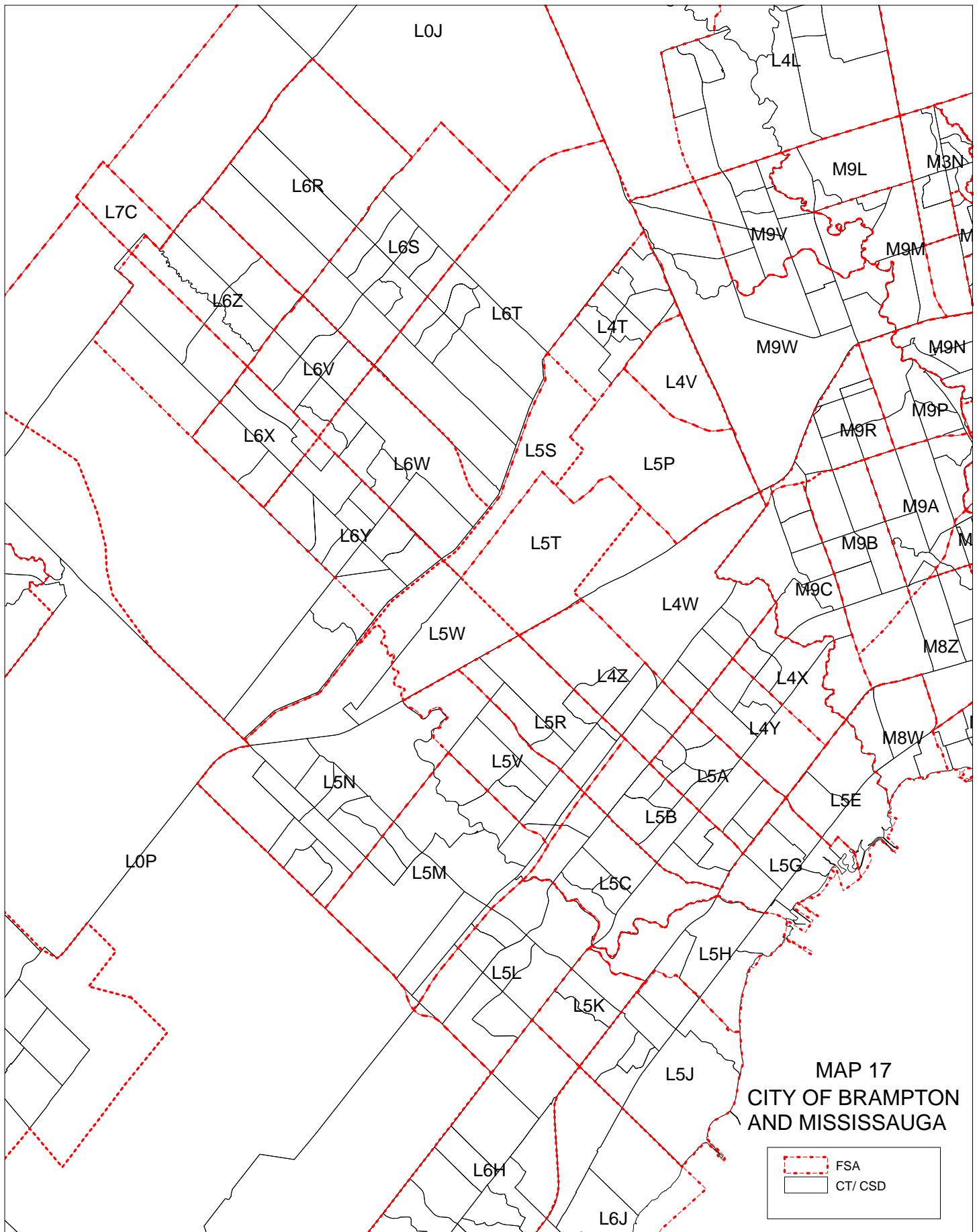
MAP 16  
TOWN OF ORANGEVILLE



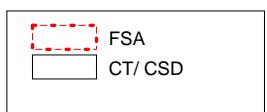
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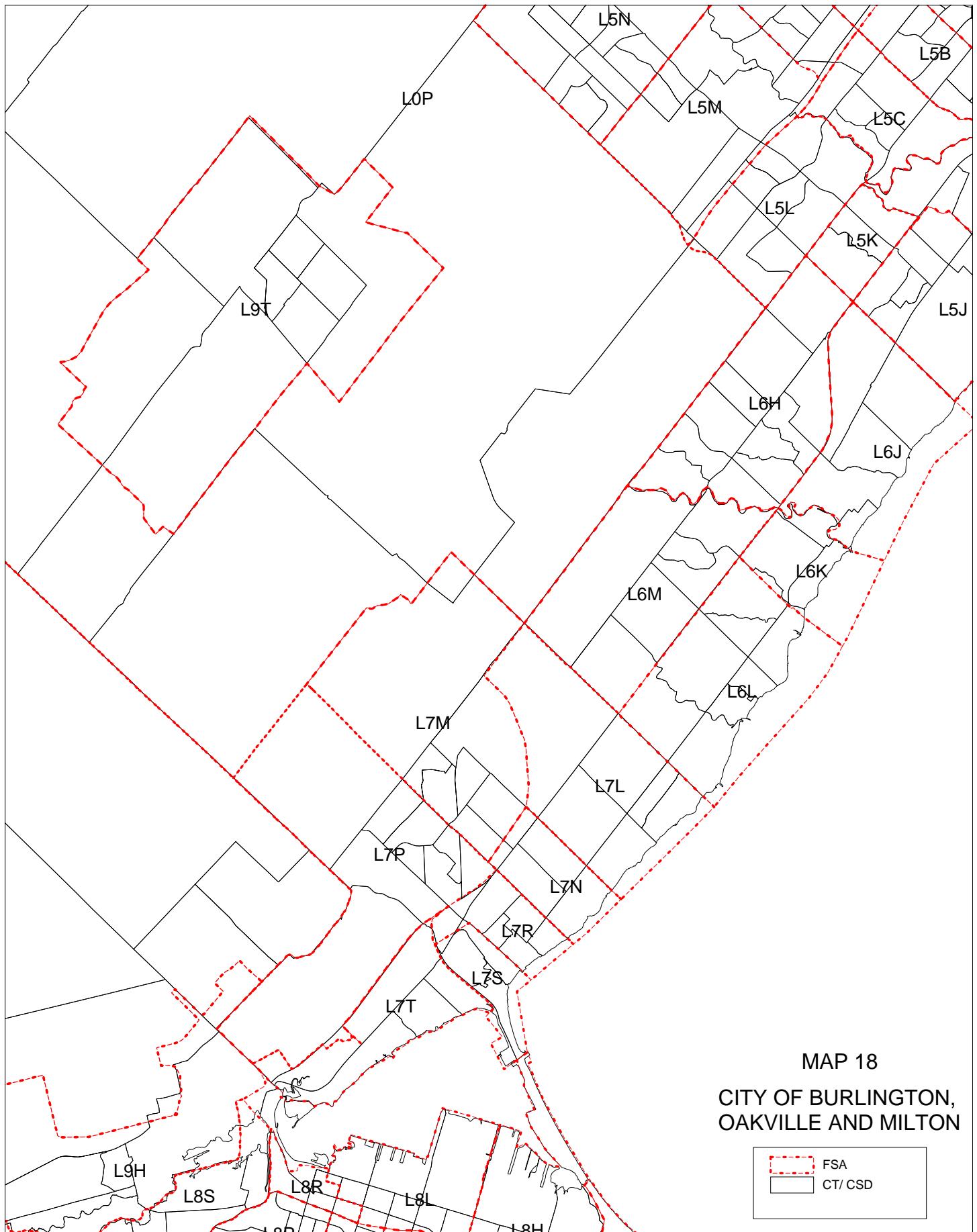
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L9W

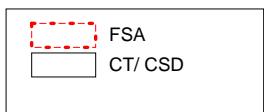


MAP 17  
CITY OF BRAMPTON  
AND MISSISSAUGA

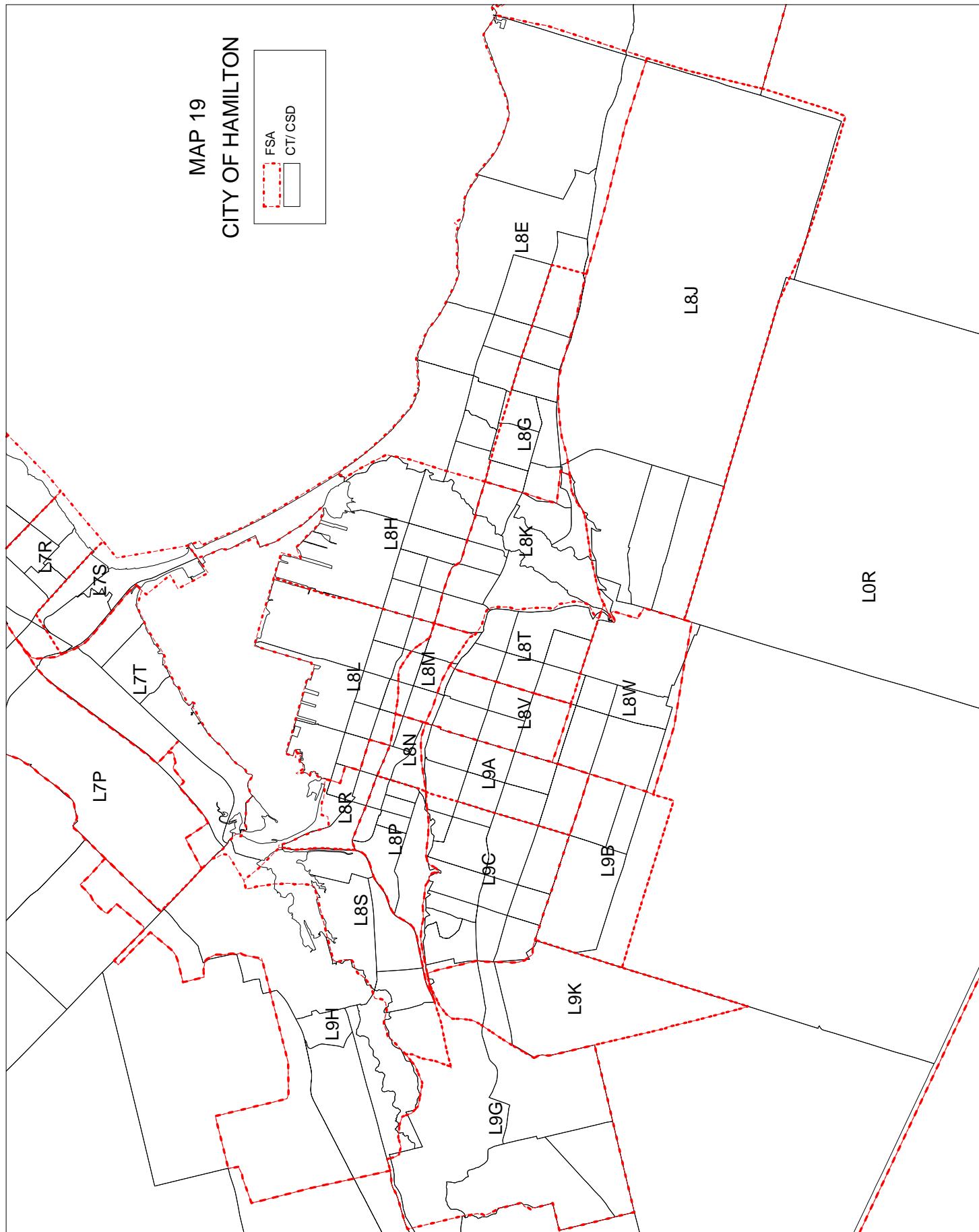
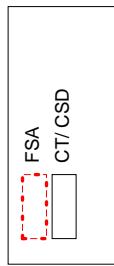




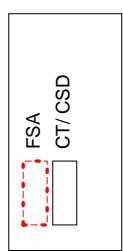
MAP 18  
CITY OF BURLINGTON,  
OAKVILLE AND MILTON



MAP 19  
CITY OF HAMILTON



MAP 20  
CITY OF GUELPH



L0P

N1L

MAP 20

CITY OF GUELPH

N1C

N0B

N1G

N1J

N1H

N1K

N1E

