TOWN OF CALEDON
PLANNING
RECEIVED

Aug 29, 2025

APPENDIX L

PRELIMINARY SANITARY DESIGN SHEETS

Appendix L1:
Sanitary Design Sheets

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
STREET "AL"																		
	212A	213A	0.39	110	43	0.39	43	0.013	0.0001	0.00	0.013	53.0	200	2.00	0.046	1.48	1.2630	
	213A	214A	0.09	110	10	0.48	53	0.013	0.0001	0.00	0.013	13.0	200	1.75	0.043	1.38	1.2064	
	214A	215A	0.53	110	59	1.01	112	0.013	0.0003	0.00	0.013	72.5	250	0.50	0.042	0.86	0.7583	
	215A	216A	0.07	110	8	1.08	120	0.013	0.0003	0.00	0.013	12.5	250	0.90	0.056	1.15	0.9392	
	216A	217A	0.36	110	40	1.44	160	0.013	0.0004	0.00	0.013	66.0	250	1.35	0.069	1.41	1.0824	
To STREET "AL", Pipe 217A - 222A						1.44	160											
Unknown Road27 - 54																		
	173A	174A	0.24	110	27	0.24	27	0.013	0.0001	0.00	0.013	43.0	200	1.55	0.041	1.30	1.1506	
	174A	175A	0.35	110	39	0.59	66	0.013	0.0002	0.00	0.013	62.0	200	0.65	0.026	0.84	0.8381	
	175A	176A	0.06	110	7	0.65	73	0.013	0.0002	0.00	0.013	10.0	200	1.60	0.041	1.32	1.1690	
	176A	178A	0.29	110	32	0.94	105	0.013	0.0003	0.00	0.013	52.0	200	0.65	0.026	0.84	0.8417	
To Unknown Road26 - 53, Pipe 178A - 179A						0.94	105											
Unknown Road28 - 58																		
	183A	184A	0.30	110	33	0.30	33	0.013	0.0001	0.00	0.013	53.5	200	1.00	0.033	1.04	0.9807	
To Unknown Road23 - 26, Pipe 184A - 185A						0.30	33											
	196A	197A	0.04	110	5	0.04	5	0.013	0.0000	0.00	0.013	6.5	200	1.70	0.043	1.36	1.1890	
	197A	198A	0.18	110	20	0.22	25	0.013	0.0001	0.00	0.013	33.0	200	0.65	0.026	0.84	0.8381	
	198A	199A	0.45	110	50	0.67	75	0.013	0.0002	0.00	0.013	80.5	200	1.00	0.033	1.04	0.9861	
	199A	200A	0.29	110	32	0.96	107	0.013	0.0003	0.00	0.013	52.0	200	2.00	0.046	1.48	1.2720	
	200A	201A	0.48	110	53	1.44	160	0.013	0.0004	0.00	0.013	85.0	200	0.70	0.027	0.87	0.8660	
	201A	202A	0.54	110	60	1.98	220	0.013	0.0006	0.00	0.014	96.5	200	0.70	0.027	0.87	0.8697	
	202A	203A	0.37	110	41	2.35	261	0.013	0.0007	0.00	0.014	65.5	200	2.00	0.046	1.48	1.2808	
	203A	204A	0.06	110	7	2.41	268	0.013	0.0007	0.00	0.014	11.0	200	2.00	0.046	1.48	1.2808	
	204A	205A	0.24	110	27	2.65	295	0.013	0.0008	0.00	0.014	42.5	200	0.55	0.024	0.77	0.7961	
	205A	206A	0.15	110	17	2.80	312	0.013	0.0008	0.00	0.014	27.0	200	0.55	0.024	0.77	0.7961	
	206A	208A	0.18	110	20	2.98	332	0.013	0.0009	0.00	0.014	32.5	200	0.55	0.024	0.77	0.7990	
To Unknown Road23 - 26, Pipe 208A - 210A						2.98	332											

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 1 OF 29

PROJECT NO.: 24-1401

DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

.....

Date:

.....

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
Unknown Road23 - 26																		
	181A	182A	0.15	110	17	0.15	17	0.013	0.0000	0.00	0.013	26.0	200	1.50	0.040	1.28	1.1391	
	182A	184A	0.63	110	70	0.78	87	0.013	0.0002	0.00	0.013	113.0	200	1.20	0.036	1.14	1.0504	
Contribution From Unknown Road28 - 58, Pipe 183A - 184A						0.30	33											
	184A	185A	0.16	110	18	1.24	138	0.013	0.0004	0.00	0.013	29.5	200	1.25	0.037	1.17	1.0721	
	185A	187A	0.57	110	63	1.81	201	0.013	0.0005	0.00	0.014	100.5	200	1.30	0.037	1.19	1.0933	
Contribution From Unknown Road26 - 53, Pipe 180A - 187A						2.00	224											
Contribution From Unknown Road26 - 53, Pipe 186A - 187A						0.31	35											
	187A	191A	0.39	110	43	4.51	503	0.013	0.0013	0.00	0.014	69.5	200	0.80	0.029	0.93	0.9258	
Contribution From STREET "AZ", Pipe 190A - 191A						0.62	69											
	191A	194A	0.51	110	57	5.64	629	0.013	0.0016	0.00	0.015	91.5	200	0.65	0.026	0.84	0.8622	
Contribution From STREET "AT", Pipe 193A - 194A						0.87	98											
	194A	195A	0.38	110	42	6.89	769	0.013	0.0020	0.00	0.015	67.5	200	0.60	0.025	0.81	0.8405	
	195A	208A	0.15	110	17	7.04	786	0.013	0.0020	0.00	0.015	26.0	200	0.55	0.024	0.77	0.8129	
Contribution From Unknown Road28 - 58, Pipe 206A - 208A						2.98	332											
Contribution From STREET "AS", Pipe 207A - 208A						0.33	37											
	208A	210A	0.47	110	52	10.82	1207	0.016	0.0031	0.00	0.019	84.0	250	0.50	0.042	0.86	0.8338	
To STREET "AL", Pipe 210A - 211A						10.82	1207											
STREET "AL"																		
Contribution From Unknown Road23 - 26, Pipe 208A - 210A						10.82	1207											
Contribution From STREET "AN", Pipe 209A - 210A						0.26	29											
	210A	211A	0.38	110	42	11.46	1278	0.017	0.0033	0.00	0.020	67.5	250	0.50	0.042	0.86	0.8455	
	211A	217A	0.49	110	54	11.95	1332	0.017	0.0034	0.00	0.021	90.5	250	1.55	0.074	1.51	1.2902	
Contribution From STREET "AL", Pipe 216A - 217A						1.44	160											
	217A	222A	0.38	110	42	13.77	1534	0.020	0.0039	0.00	0.024	65.5	250	1.80	0.080	1.63	1.4100	
To STR. "A", Pipe 222A - 221A						13.77	1534											
STREET "AK"																		
	223A	224A	0.57	110	63	0.57	63	0.013	0.0002	0.00	0.013	105.5	200	1.70	0.043	1.36	1.1971	

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 2 OF 29

PROJECT NO.: 24-1401

DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	224A	225A	0.61	110	68	1.18	131	0.013	0.0003	0.00	0.013	108.5	200	1.80	0.044	1.40	1.2235	
To STR. "A", Pipe 225A - 222A						1.18	131											
STREET "AJ"																		
	226A	227A	0.55	110	61	0.55	61	0.013	0.0002	0.00	0.013	102.0	200	1.30	0.037	1.19	1.0805	
	227A	228A	0.61	110	68	1.16	129	0.013	0.0003	0.00	0.013	108.5	200	0.75	0.028	0.90	0.8883	
To STR. "A", Pipe 228A - 225A						1.16	129											
STREET "AG"																		
	241A	242A	0.35	110	39	0.35	39	0.013	0.0001	0.00	0.013	64.5	200	1.85	0.045	1.42	1.2319	
	242A	243A	0.35	110	39	0.70	78	0.013	0.0002	0.00	0.013	64.5	200	1.35	0.038	1.21	1.1011	
To Unknown Road25 - 50, Pipe 243A - 244A						0.70	78											
Unknown Road25 - 50																		
Contribution From STREET "AS", Pipe 164A - 230A						0.38	42											
Contribution From STREET "AS", Pipe 229A - 230A						0.77	85											
	230A	239A	0.41	110	46	1.56	173	0.013	0.0004	0.00	0.013	76.5	250	0.50	0.042	0.86	0.7583	
Contribution From STREET "AN", Pipe 236A - 239A						1.26	142											
Contribution From STREET "AN", Pipe 238A - 239A						0.75	83											
	239A	240A	0.47	110	52	4.04	450	0.013	0.0012	0.00	0.014	86.5	250	0.50	0.042	0.86	0.7681	
	240A	243A	0.38	110	42	4.42	492	0.013	0.0013	0.00	0.014	71.5	250	1.60	0.075	1.53	1.1784	
Contribution From STREET "AG", Pipe 242A - 243A						0.70	78											
	243A	244A	0.38	110	42	5.50	612	0.013	0.0016	0.00	0.015	61.5	250	0.50	0.042	0.86	0.7776	
To STR. "A", Pipe 244A - 228A						5.50	612											
Unknown Road22 - 2000																		
Contribution From STR. "A", Pipe 218A - 219A						0.85	94											
Contribution From STR. "A", Pipe 220A - 219A						24.45	2721											
	219A	2001A				25.30	2815	0.034	0.0072	0.00	0.041	97.5	300	0.50	0.068	0.97	1.0122	
	2001A	2002A				25.30	2815	0.034	0.0072	0.00	0.041	115.5	300	0.50	0.068	0.97	1.0122	
To STR. "E", Pipe 2002A - 367A						25.30	2815											

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SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 3 OF 29

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STREET "AD"																		
	355A	356A	0.56	110	62	0.56	62	0.013	0.0002	0.00	0.013	105.0	200	1.70	0.043	1.36	1.1971	
	356A	357A	0.06	110	7	0.62	69	0.013	0.0002	0.00	0.013	10.5	200	1.25	0.037	1.17	1.0659	
	357A	358A	0.35	110	39	0.97	108	0.013	0.0003	0.00	0.013	65.5	200	1.20	0.036	1.14	1.0566	
To STR. "E", Pipe 358A - 364A						0.97	108											
STREET "AE"																		
	256A	257A	0.26	110	29	0.26	29	0.013	0.0001	0.00	0.013	48.0	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 257A - 258A						0.26	29											
	359A	360A	0.37	110	41	0.37	41	0.013	0.0001	0.00	0.013	68.0	200	1.45	0.039	1.26	1.1272	
	360A	361A	0.37	110	41	0.74	82	0.013	0.0002	0.00	0.013	68.5	200	0.95	0.032	1.02	0.9662	
	361A	362A	0.06	110	7	0.80	89	0.013	0.0002	0.00	0.013	10.5	200	1.45	0.039	1.26	1.1272	
	362A	363A	0.36	110	40	1.16	129	0.013	0.0003	0.00	0.013	68.0	200	2.00	0.046	1.48	1.2720	
	363A	364A	0.36	110	40	1.52	169	0.013	0.0004	0.00	0.013	67.5	200	1.25	0.037	1.17	1.0721	
To STR. "E", Pipe 364A - 365A						1.52	169											
STREET "Y"																		
	171A	172A	0.47	110	52	0.47	52	0.013	0.0001	0.00	0.013	86.5	200	1.00	0.033	1.04	0.9861	
To STREET "B", Pipe 172A - 252A						0.47	52											
	247A	248A	0.20	110	22	0.20	22	0.013	0.0001	0.00	0.013	37.5	200	1.00	0.033	1.04	0.9807	
To STREET "W", Pipe 248A - 250A						0.20	22											
STREET "B"																		
	169A	170A	0.28	110	31	0.28	31	0.013	0.0001	0.00	0.013	52.5	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 170A - 172A						0.28	31											
	231A	232A	0.04	110	5	0.04	5	0.013	0.0000	0.00	0.013	7.0	200	1.00	0.033	1.04	0.9807	
	232A	233A	0.03	110	4	0.07	9	0.013	0.0000	0.00	0.013	5.0	200	0.55	0.024	0.77	0.7870	

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SHEET 4 OF 29

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DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

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	233A	234A	0.06	110	7	0.13	16	0.013	0.0000	0.00	0.013	10.5	200	2.00	0.046	1.48	1.2630	
	234A	236A	0.42	110	47	0.55	63	0.013	0.0002	0.00	0.013	77.5	200	0.70	0.027	0.87	0.8621	
To STREET "AN", Pipe 236A - 239A						0.55	63											
STR."X"																		
	107A	108A	0.38	110	42	0.38	42	0.013	0.0001	0.00	0.013	70.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 108A - 166A						0.38	42											
	167A	168A	0.06	110	7	0.06	7	0.013	0.0000	0.00	0.013	11.5	200	1.50	0.040	1.28	1.1391	
	168A	170A	0.37	110	41	0.43	48	0.013	0.0001	0.00	0.013	68.0	200	1.85	0.045	1.42	1.2319	
To STREET "B", Pipe 170A - 172A						0.43	48											
STREET "AX"																		
	74A	76A	0.34	110	38	0.34	38	0.013	0.0001	0.00	0.013	63.0	200	1.00	0.033	1.04	0.9807	
To STREET "BG", Pipe 76A - 78A						0.34	38											
	74A	90A	0.39	110	43	0.39	43	0.013	0.0001	0.00	0.013	71.0	200	1.10	0.034	1.09	1.0173	
	90A	91A	0.07	110	8	0.46	51	0.013	0.0001	0.00	0.013	13.0	200	0.55	0.024	0.77	0.7870	
	91A	93A	0.36	110	40	0.82	91	0.013	0.0002	0.00	0.013	66.5	200	1.05	0.034	1.07	1.0050	
To STREET "AN", Pipe 93A - 98A						0.82	91											
STREET "BA"																		
	65A	66A	0.41	110	46	0.41	46	0.013	0.0001	0.00	0.013	75.5	200	1.10	0.034	1.09	1.0173	
	66A	67A	0.48	110	53	0.89	99	0.013	0.0003	0.00	0.013	88.5	200	0.70	0.027	0.87	0.8621	
To STREET "AZ", Pipe 67A - 68A						0.89	99											
STREET "AY"																		
	77A	95A	0.58	110	64	0.58	64	0.013	0.0002	0.00	0.013	106.5	200	1.00	0.033	1.04	0.9861	
To STREET "U", Pipe 95A - 96A						0.58	64											
	77A	78A	0.58	110	64	0.58	64	0.013	0.0002	0.00	0.013	106.5	200	1.00	0.033	1.04	0.9861	

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 5 OF 29
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Contribution From STREET "BG", Pipe 73A - 78A						2.97	330											
Contribution From STREET "BG", Pipe 76A - 78A						0.81	90											
	78A	79A	0.41	110	46	4.77	530	0.013	0.0014	0.00	0.014	74.0	250	0.75	0.052	1.05	0.8974	
To STREET "BD", Pipe 79A - 80A						4.77	530											
STREET "BE"																		
	56A	57A	0.26	110	29	0.26	29	0.013	0.0001	0.00	0.013	47.0	200	1.00	0.033	1.04	0.9807	
	57A	58A	0.07	110	8	0.33	37	0.013	0.0001	0.00	0.013	13.0	200	0.55	0.024	0.77	0.7870	
	58A	59A	0.40	110	44	0.73	81	0.013	0.0002	0.00	0.013	74.0	200	0.75	0.028	0.90	0.8842	
	59A	60A	0.05	110	6	0.78	87	0.013	0.0002	0.00	0.013	9.5	200	2.00	0.046	1.48	1.2720	
	60A	61A	0.29	110	32	1.07	119	0.013	0.0003	0.00	0.013	53.0	200	0.95	0.032	1.02	0.9662	
	61A	62A	0.06	110	7	1.13	126	0.013	0.0003	0.00	0.013	10.5	200	0.95	0.032	1.02	0.9712	
	62A	63A	0.43	110	48	1.56	174	0.013	0.0004	0.00	0.013	79.5	250	0.50	0.042	0.86	0.7583	
	63A	64A	0.43	110	48	1.99	222	0.013	0.0006	0.00	0.014	79.0	250	0.50	0.042	0.86	0.7632	
To STREET "BD", Pipe 64A - 79A						1.99	222											
STREET "BD"																		
Contribution From STREET "B", Pipe 51A - 54A						20.14	2238											
Contribution From STREET "B", Pipe 53A - 54A						0.82	91											
	54A	55A	0.40	110	44	21.36	2373	0.029	0.0061	0.00	0.035	73.0	250	0.50	0.042	0.86	0.9593	
	55A	64A	0.40	110	44	21.76	2417	0.030	0.0062	0.00	0.036	73.0	300	0.50	0.068	0.97	0.9793	
Contribution From STREET "BE", Pipe 63A - 64A						1.99	222											
	64A	79A	0.60	110	66	24.35	2705	0.033	0.0070	0.00	0.040	109.0	300	0.50	0.068	0.97	1.0019	
Contribution From STREET "AY", Pipe 78A - 79A						4.77	530											
	79A	80A	0.40	110	44	29.52	3279	0.039	0.0084	0.00	0.048	72.5	300	0.50	0.068	0.97	1.0431	
	80A	85A	0.39	110	43	29.91	3322	0.040	0.0086	0.00	0.048	71.5	300	0.50	0.068	0.97	1.0458	
To STREET "AN", Pipe 85A - 87A						29.91	3322											
STREET "AN"																		
	209A	210A	0.26	110	29	0.26	29	0.013	0.0001	0.00	0.013	46.0	200	1.00	0.033	1.04	0.9807	
To STREET "AL", Pipe 210A - 211A						0.26	29											

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 6 OF 29

PROJECT NO.: 24-1401

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THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	237A	238A	0.37	110	41	0.37	41	0.013	0.0001	0.00	0.013	68.5	200	1.00	0.033	1.04	0.9807	
	238A	239A	0.38	110	42	0.75	83	0.013	0.0002	0.00	0.013	70.0	250	0.50	0.042	0.86	0.7583	
To Unknown Road25 - 50, Pipe 239A - 240A						0.75	83											
	235A	236A	0.33	110	37	0.33	37	0.013	0.0001	0.00	0.013	62.0	200	1.00	0.033	1.04	0.9807	
Contribution From STREET "B", Pipe 234A - 236A						0.55	63											
	236A	239A	0.38	110	42	1.26	142	0.013	0.0004	0.00	0.013	70.0	250	0.50	0.042	0.86	0.7583	
To Unknown Road25 - 50, Pipe 239A - 240A						1.26	142											
	81A	82A	0.22	110	25	0.22	25	0.013	0.0001	0.00	0.013	41.0	200	1.00	0.033	1.04	0.9807	
	82A	83A	0.46	110	51	0.68	76	0.013	0.0002	0.00	0.013	83.5	250	0.50	0.042	0.86	0.7533	
	83A	85A	0.38	110	42	1.06	118	0.013	0.0003	0.00	0.013	70.0	250	0.50	0.042	0.86	0.7583	
Contribution From STREET "BD", Pipe 80A - 85A						29.91	3322											
Contribution From STR. "N", Pipe 84A - 85A						0.24	27											
	85A	87A	0.40	110	44	31.61	3511	0.042	0.0090	0.00	0.051	73.0	300	0.50	0.068	0.97	1.0587	
Contribution From STREET "BG", Pipe 86A - 87A						0.20	22											
	87A	89A	0.38	110	42	32.19	3575	0.042	0.0092	0.00	0.052	70.0	300	0.50	0.068	0.97	1.0611	
Contribution From STR. "R", Pipe 88A - 89A						0.20	22											
	89A	93A	0.40	110	44	32.79	3641	0.043	0.0094	0.00	0.052	73.0	300	0.50	0.068	0.97	1.0656	
Contribution From STREET "AX", Pipe 91A - 93A						0.82	91											
Contribution From STREET "T", Pipe 92A - 93A						0.19	21											
	93A	98A	0.38	110	42	34.18	3795	0.045	0.0098	0.00	0.054	70.0	300	0.50	0.068	0.97	1.0721	
Contribution From STREET "U", Pipe 96A - 98A						1.49	165											
Contribution From STREET "U", Pipe 97A - 98A						0.19	21											
	98A	102A	0.38	110	42	36.24	4023	0.047	0.0104	0.00	0.057	70.0	300	0.50	0.068	0.97	1.0832	
Contribution From STREET "V", Pipe 100A - 102A						1.08	119											
Contribution From STREET "V", Pipe 101A - 102A						0.13	15											
	102A	106A	0.38	110	42	37.83	4199	0.049	0.0108	0.00	0.060	70.0	300	0.55	0.072	1.01	1.1343	

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 7 OF 29

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THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

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1401_SAN_DesignSheet.xlsx

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
Contribution From STREET "W", Pipe 104A - 106A						0.65	73											
Contribution From STREET "W", Pipe 105A - 106A						0.14	16											
	106A	108A	0.36	110	40	38.98	4328	0.050	0.0111	0.00	0.061	67.0	375	0.50	0.124	1.12	1.1177	
Contribution From STR."X", Pipe 107A - 108A						0.38	42											
	108A	166A	0.41	110	46	39.77	4416	0.051	0.0114	0.00	0.062	77.0	375	0.50	0.124	1.12	1.1225	
To STREET "B", Pipe 166A - 170A						39.77	4416											
STREET "BF"																		
	36A	37A	0.44	110	49	0.44	49	0.013	0.0001	0.00	0.013	81.0	200	1.00	0.033	1.04	0.9807	
To STREET "BG", Pipe 37A - 42A						0.44	49											
	38A	39A	0.06	110	7	0.06	7	0.013	0.0000	0.00	0.013	11.0	200	1.15	0.035	1.12	1.0344	
	39A	40A	0.35	110	39	0.41	46	0.013	0.0001	0.00	0.013	65.0	250	0.50	0.042	0.86	0.7533	
	40A	41A	0.06	110	7	0.47	53	0.013	0.0001	0.00	0.013	11.0	250	0.50	0.042	0.86	0.7533	
	41A	42A	0.54	110	60	1.01	113	0.013	0.0003	0.00	0.013	99.0	250	0.50	0.042	0.86	0.7583	
To STREET "BG", Pipe 42A - 51A						1.01	113											
Unknown Road15 - 11																		
	25A	26A	0.48	110	53	0.48	53	0.013	0.0001	0.00	0.013	70.0	200	1.30	0.037	1.19	1.0805	
	26A	27A	0.16	110	18	0.64	71	0.013	0.0002	0.00	0.013	22.5	200	0.55	0.024	0.77	0.7870	
	27A	28A	0.30	110	33	0.94	104	0.013	0.0003	0.00	0.013	42.5	200	0.70	0.027	0.87	0.8660	
To Unknown Road4 - 09, Pipe 28A - 31A						0.94	104											
Unknown Road16 - 12																		
	14A	22A	0.37	110	41	0.37	41	0.013	0.0001	0.00	0.013	53.0	200	2.00	0.046	1.48	1.2630	
	22A	23A	0.16	110	18	0.53	59	0.013	0.0002	0.00	0.013	22.5	200	1.40	0.039	1.24	1.1145	
	23A	24A	0.25	110	28	0.78	87	0.013	0.0002	0.00	0.013	36.0	200	0.85	0.030	0.96	0.9279	
To Unknown Road4 - 09, Pipe 24A - 28A						0.78	87											

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DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

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townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

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LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
Unknown Road17 - 13																		
Contribution From Unknown Road19 - 15, Pipe 2A - 4A						0.68	76											
Contribution From Unknown Road19 - 15, Pipe 3A - 4A						0.14	16											
	4A	6A	0.49	110	54	1.31	146	0.013	0.0004	0.00	0.013	70.0	200	0.85	0.030	0.96	0.9324	
Contribution From Unknown Road18 - 14, Pipe 5A - 6A						0.14	16											
	6A	7A	0.34	110	38	1.79	200	0.013	0.0005	0.00	0.014	49.5	200	0.55	0.024	0.77	0.7931	
	7A	12A	0.23	110	26	2.02	226	0.013	0.0006	0.00	0.014	33.5	200	0.60	0.025	0.81	0.8220	
To Unknown Road19 - 15, Pipe 12A - 13A						2.02	226											
Unknown Road18 - 14																		
	18A	19A	0.80	110	88	0.80	88	0.013	0.0002	0.00	0.013	116.0	200	1.15	0.035	1.12	1.0344	
To STREET "BG", Pipe 19A - 20A						0.80	88											
	5A	6A	0.14	110	16	0.14	16	0.013	0.0000	0.00	0.013	20.0	200	1.00	0.033	1.04	0.9807	
To Unknown Road17 - 13, Pipe 6A - 7A						0.14	16											
Unknown Road19 - 15																		
	16A	17A	0.80	110	88	0.80	88	0.013	0.0002	0.00	0.013	115.5	200	1.00	0.033	1.04	0.9861	
To STREET "BG", Pipe 17A - 19A						0.80	88											
	3A	4A	0.14	110	16	0.14	16	0.013	0.0000	0.00	0.013	20.0	200	1.00	0.033	1.04	0.9807	
To Unknown Road17 - 13, Pipe 4A - 6A						0.14	16											
	1A	2A	0.07	110	8	0.07	8	0.013	0.0000	0.00	0.013	9.5	200	1.50	0.040	1.28	1.1391	
	2A	4A	0.61	110	68	0.68	76	0.013	0.0002	0.00	0.013	87.5	200	0.75	0.028	0.90	0.8842	
To Unknown Road17 - 13, Pipe 4A - 6A						0.68	76											
	8A	9A	0.53	110	59	0.53	59	0.013	0.0002	0.00	0.013	76.5	200	1.05	0.034	1.07	0.9995	
	9A	10A	0.53	110	59	1.06	118	0.013	0.0003	0.00	0.013	77.0	200	0.85	0.030	0.96	0.9279	
	10A	11A	0.08	110	9	1.14	127	0.013	0.0003	0.00	0.013	12.0	250	0.50	0.042	0.86	0.7583	
	11A	12A	0.49	110	54	1.63	181	0.013	0.0005	0.00	0.013	70.5	250	1.10	0.062	1.27	1.0127	

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SHEET 9 OF 29

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THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

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Contribution From Unknown Road17 - 13, Pipe 7A - 12A						2.02	226											
	12A	13A	0.27	110	30	3.92	437	0.013	0.0011	0.00	0.014	38.5	250	0.55	0.044	0.90	0.7953	
	13A	20A	0.71	110	79	4.63	516	0.013	0.0013	0.00	0.014	103.0	250	0.50	0.042	0.86	0.7729	
To STREET "BG", Pipe 20A - 21A						4.63	516											
STREET "BG"																		
	50A	51A	0.61	110	68	0.61	68	0.013	0.0002	0.00	0.013	111.0	200	1.60	0.041	1.32	1.1690	
To STREET "B", Pipe 51A - 54A						0.61	68											
	86A	87A	0.20	110	22	0.20	22	0.013	0.0001	0.00	0.013	36.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 87A - 89A						0.20	22											
	75A	76A	0.10	110	11	0.10	11	0.013	0.0000	0.00	0.013	19.0	200	2.00	0.046	1.48	1.2630	
Contribution From STREET "AX", Pipe 74A - 76A						0.34	38											
	76A	78A	0.37	110	41	0.81	90	0.013	0.0002	0.00	0.013	67.0	200	1.30	0.037	1.19	1.0870	
To STREET "AY", Pipe 78A - 79A						0.81	90											
Contribution From STREET "BB", Pipe 71A - 72A						0.54	61											
	72A	73A	0.38	110	42	0.92	103	0.013	0.0003	0.00	0.013	70.0	200	2.00	0.046	1.48	1.2720	
Contribution From STREET "AZ", Pipe 68A - 73A						1.67	185											
	73A	78A	0.38	110	42	2.97	330	0.013	0.0008	0.00	0.014	70.0	250	0.50	0.042	0.86	0.7681	
To STREET "AY", Pipe 78A - 79A						2.97	330											
Contribution From Unknown Road24 - 42, Pipe 15A - 17A						0.99	109											
Contribution From Unknown Road19 - 15, Pipe 16A - 17A						0.80	88											
	17A	19A	0.49	110	54	2.28	251	0.013	0.0007	0.00	0.014	70.0	200	1.10	0.034	1.09	1.0286	
Contribution From Unknown Road18 - 14, Pipe 18A - 19A						0.80	88											
	19A	20A	0.46	110	51	3.54	390	0.013	0.0010	0.00	0.014	67.0	250	0.50	0.042	0.86	0.7681	
Contribution From Unknown Road19 - 15, Pipe 13A - 20A						4.63	516											
	20A	21A	0.26	110	29	8.43	935	0.013	0.0024	0.00	0.015	37.0	250	0.60	0.046	0.94	0.8414	
	21A	31A	0.12	110	14	8.55	949	0.013	0.0024	0.00	0.015	18.0	250	0.60	0.046	0.94	0.8414	

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SHEET 10 OF 29

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DEPARTMENT OF PUBLIC WORKS

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Contribution From Unknown Road4 - 09, Pipe 28A - 31A						2.97	330											
Contribution From Unknown Road4 - 09, Pipe 30A - 31A						0.82	91											
	31A	37A	0.75	110	83	13.09	1453	0.019	0.0037	0.00	0.023	75.0	250	0.50	0.042	0.86	0.8708	
Contribution From STREET "BL", Pipe 35A - 37A						1.47	164											
Contribution From STREET "BF", Pipe 36A - 37A						0.44	49											
	37A	42A	0.45	110	50	15.45	1716	0.022	0.0044	0.00	0.026	82.5	250	0.50	0.042	0.86	0.9023	
Contribution From STREET "BF", Pipe 41A - 42A						1.01	113											
	42A	51A	0.41	110	46	16.87	1875	0.024	0.0048	0.00	0.029	75.0	250	0.50	0.042	0.86	0.9187	
To STREET "B", Pipe 51A - 54A						16.87	1875											
STREET "BB"																		
	48A	49A	0.46	110	51	0.46	51	0.013	0.0001	0.00	0.013	84.0	200	1.00	0.033	1.04	0.9861	
To STREET "B", Pipe 49A - 51A						0.46	51											
	69A	70A	0.12	110	14	0.12	14	0.013	0.0000	0.00	0.013	22.5	200	1.00	0.033	1.04	0.9807	
	70A	71A	0.07	110	8	0.19	22	0.013	0.0001	0.00	0.013	13.0	200	0.55	0.024	0.77	0.7870	
	71A	72A	0.35	110	39	0.54	61	0.013	0.0002	0.00	0.013	63.5	200	0.90	0.031	0.99	0.9453	
To STREET "BG", Pipe 72A - 73A						0.54	61											
STREET "BH"																		
	43A	44A	0.35	110	39	0.35	39	0.013	0.0001	0.00	0.013	64.0	200	1.00	0.033	1.04	0.9807	
	44A	49A	0.35	110	39	0.70	78	0.013	0.0002	0.00	0.013	64.0	200	0.55	0.024	0.77	0.7870	
To STREET "B", Pipe 49A - 51A						0.70	78											
STREET "BI"																		
	32A	34A	0.55	110	61	0.55	61	0.013	0.0002	0.00	0.013	100.5	200	1.05	0.034	1.07	0.9995	
To STREET "BL", Pipe 34A - 35A						0.55	61											
	45A	47A	0.20	110	22	0.20	22	0.013	0.0001	0.00	0.013	36.0	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 47A - 49A						0.20	22											

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 11 OF 29

PROJECT NO.: 24-1401

DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
STREET "AS"																		
	164A	230A	0.38	110	42	0.38	42	0.013	0.0001	0.00	0.013	71.0	200	1.00	0.033	1.04	0.9807	
To Unknown Road25 - 50, Pipe 230A - 239A						0.38	42											
	164A	165A	0.39	110	43	0.39	43	0.013	0.0001	0.00	0.013	72.0	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 165A - 166A						0.39	43											
	207A	208A	0.33	110	37	0.33	37	0.013	0.0001	0.00	0.013	58.5	200	1.70	0.043	1.36	1.1890	
To Unknown Road23 - 26, Pipe 208A - 210A						0.33	37											
	162A	163A	0.30	110	33	0.30	33	0.013	0.0001	0.00	0.013	55.0	200	1.35	0.038	1.21	1.0944	
	163A	165A	0.39	110	43	0.69	76	0.013	0.0002	0.00	0.013	72.0	200	1.65	0.042	1.34	1.1793	
To STREET "B", Pipe 165A - 166A						0.69	76											
	207A	229A	0.38	110	42	0.38	42	0.013	0.0001	0.00	0.013	71.5	200	1.00	0.033	1.04	0.9807	
	229A	230A	0.39	110	43	0.77	85	0.013	0.0002	0.00	0.013	72.5	250	0.50	0.042	0.86	0.7583	
To Unknown Road25 - 50, Pipe 230A - 239A						0.77	85											
STREET "AT"																		
	159A	160A	0.40	110	44	0.40	44	0.013	0.0001	0.00	0.013	74.5	200	1.00	0.033	1.04	0.9807	
	160A	161A	0.46	110	51	0.86	95	0.013	0.0002	0.00	0.013	85.5	250	0.50	0.042	0.86	0.7583	
To STREET "B", Pipe 161A - 165A						0.86	95											
	159A	192A	0.54	110	60	0.54	60	0.013	0.0002	0.00	0.013	96.5	200	2.00	0.046	1.48	1.2630	
	192A	193A	0.12	110	14	0.66	74	0.013	0.0002	0.00	0.013	21.0	200	0.80	0.029	0.93	0.9089	
	193A	194A	0.21	110	24	0.87	98	0.013	0.0002	0.00	0.013	38.0	200	0.55	0.024	0.77	0.7901	
To Unknown Road23 - 26, Pipe 194A - 195A						0.87	98											
Contribution From STREET "W", Pipe 156A - 157A						0.32	36											
	157A	158A	0.36	110	40	0.68	76	0.013	0.0002	0.00	0.013	66.5	200	0.75	0.028	0.90	0.8842	
	158A	161A	0.42	110	47	1.10	123	0.013	0.0003	0.00	0.013	78.0	200	1.45	0.039	1.26	1.1342	
To STREET "B", Pipe 161A - 165A						1.10	123											

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 12 OF 29

PROJECT NO.: 24-1401

DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

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Date:

.....

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
STREET "AZ"																		
	153A	154A	0.32	110	36	0.32	36	0.013	0.0001	0.00	0.013	59.0	200	1.00	0.033	1.04	0.9807	
	154A	155A	0.52	110	58	0.84	94	0.013	0.0002	0.00	0.013	97.5	250	0.50	0.042	0.86	0.7583	
To STREET "B", Pipe 155A - 161A						0.84	94											
	188A	189A	0.19	110	21	0.19	21	0.013	0.0001	0.00	0.013	34.0	200	2.00	0.046	1.48	1.2630	
	189A	190A	0.15	110	17	0.34	38	0.013	0.0001	0.00	0.013	26.0	200	2.00	0.046	1.48	1.2630	
	190A	191A	0.28	110	31	0.62	69	0.013	0.0002	0.00	0.013	49.0	200	1.30	0.037	1.19	1.0805	
To Unknown Road23 - 26, Pipe 191A - 194A						0.62	69											
Contribution From STREET "BA", Pipe 66A - 67A						0.89	99											
	67A	68A	0.39	110	43	1.28	142	0.013	0.0004	0.00	0.013	71.5	200	0.60	0.025	0.81	0.8187	
	68A	73A	0.39	110	43	1.67	185	0.013	0.0005	0.00	0.013	71.5	200	0.55	0.024	0.77	0.7931	
To STREET "BG", Pipe 73A - 78A						1.67	185											
	147A	149A	0.31	110	35	0.31	35	0.013	0.0001	0.00	0.013	56.0	200	1.90	0.045	1.44	1.2398	
Contribution From STREET "U", Pipe 148A - 149A						0.15	17											
	149A	150A	0.38	110	42	0.84	94	0.013	0.0002	0.00	0.013	70.0	250	0.50	0.042	0.86	0.7583	
	150A	151A	0.38	110	42	1.22	136	0.013	0.0003	0.00	0.013	70.0	250	1.15	0.064	1.30	1.0266	
	151A	152A	0.36	110	40	1.58	176	0.013	0.0005	0.00	0.013	66.0	250	1.00	0.059	1.21	0.9738	
	152A	155A	0.41	110	46	1.99	222	0.013	0.0006	0.00	0.014	77.0	250	1.90	0.082	1.67	1.2350	
To STREET "B", Pipe 155A - 161A						1.99	222											
Unknown Road14 - 1010																		
			0.09	110	10	0.09	10											
	371A	145A	1.12	0	0	1.21	10	0.013	0.0003	0.00	0.013	17.0	200	1.00	0.033	1.04	0.9861	
To STREET "B", Pipe 145A - 146A						1.21	10											
Unknown Road26 - 53																		
	144A	145A	0.19	110	21	0.19	21	0.013	0.0001	0.00	0.013	34.5	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 145A - 146A						0.19	21											

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 13 OF 29

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DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	186A	187A	0.31	110	35	0.31	35	0.013	0.0001	0.00	0.013	56.0	200	1.85	0.045	1.42	1.2319	
To Unknown Road23 - 26, Pipe 187A - 191A						0.31	35											
	177A	178A	0.36	110	40	0.36	40	0.013	0.0001	0.00	0.013	64.0	200	1.00	0.033	1.04	0.9807	
Contribution From Unknown Road27 - 54, Pipe 176A - 178A						0.94	105											
	178A	179A	0.37	110	41	1.67	186	0.013	0.0005	0.00	0.013	66.0	200	1.70	0.043	1.36	1.2050	
	179A	180A	0.12	110	14	1.79	200	0.013	0.0005	0.00	0.014	22.0	200	2.00	0.046	1.48	1.2720	
	180A	187A	0.21	110	24	2.00	224	0.013	0.0006	0.00	0.014	36.5	200	0.85	0.030	0.96	0.9324	
To Unknown Road23 - 26, Pipe 187A - 191A						2.00	224											
Unknown Road4 - 09																		
	115A	116A	0.65	110	72	0.65	72	0.013	0.0002	0.00	0.013	83.0	200	1.20	0.036	1.14	1.0504	
To STREET "BK", Pipe 116A - 121A						0.65	72											
	29A	30A	0.50	110	55	0.50	55	0.013	0.0001	0.00	0.013	73.0	200	1.00	0.033	1.04	0.9861	
	30A	31A	0.32	110	36	0.82	91	0.013	0.0002	0.00	0.013	45.5	250	0.50	0.042	0.86	0.7583	
To STREET "BG", Pipe 31A - 37A						0.82	91											
	112A	113A	0.19	110	21	0.19	21	0.013	0.0001	0.00	0.013	24.5	200	1.00	0.033	1.04	0.9807	
	113A	114A	0.13	110	15	0.32	36	0.013	0.0001	0.00	0.013	17.0	200	0.55	0.024	0.77	0.7870	
	114A	116A	0.56	110	62	0.88	98	0.013	0.0003	0.00	0.013	71.5	200	0.90	0.031	0.99	0.9500	
To STREET "BK", Pipe 116A - 121A						0.88	98											
Contribution From Unknown Road16 - 12, Pipe 23A - 24A						0.78	87											
	24A	28A	0.53	110	59	1.31	146	0.013	0.0004	0.00	0.013	76.5	200	0.55	0.024	0.77	0.7901	
Contribution From Unknown Road15 - 11, Pipe 27A - 28A						0.94	104											
	28A	31A	0.72	110	80	2.97	330	0.013	0.0008	0.00	0.014	104.5	200	1.55	0.041	1.30	1.1727	
To STREET "BG", Pipe 31A - 37A						2.97	330											
Unknown Road24 - 42																		
	14A	15A	0.49	110	54	0.49	54	0.013	0.0001	0.00	0.013	70.0	200	1.75	0.043	1.38	1.2064	

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 14 OF 29
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THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

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Approved:

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STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	15A	17A	0.50	110	55	0.99	109	0.013	0.0003	0.00	0.013	71.5	200	0.90	0.031	0.99	0.9500	
To STREET "BG", Pipe 17A - 19A						0.99	109											
	109A	110A	0.43	110	48	0.43	48	0.013	0.0001	0.00	0.013	55.0	200	1.00	0.033	1.04	0.9807	
	110A	111A	0.07	110	8	0.50	56	0.013	0.0001	0.00	0.013	8.5	200	2.00	0.046	1.48	1.2630	
	111A	116A	0.48	110	53	0.98	109	0.013	0.0003	0.00	0.013	62.0	200	0.60	0.025	0.81	0.8155	
To STREET "BK", Pipe 116A - 121A						0.98	109											
STREET "BL"																		
	33A	34A	0.13	110	15	0.13	15	0.013	0.0000	0.00	0.013	23.5	200	2.00	0.046	1.48	1.2630	
Contribution From STREET "BI", Pipe 32A - 34A						0.55	61											
	34A	35A	0.38	110	42	1.06	118	0.013	0.0003	0.00	0.013	70.0	200	2.00	0.046	1.48	1.2720	
	35A	37A	0.41	110	46	1.47	164	0.013	0.0004	0.00	0.013	74.5	200	0.80	0.029	0.93	0.9089	
To STREET "BG", Pipe 37A - 42A						1.47	164											
	118A	119A	0.14	110	16	0.14	16	0.013	0.0000	0.00	0.013	26.5	200	2.00	0.046	1.48	1.2630	
Contribution From STREET "BJ", Pipe 117A - 119A						0.56	62											
	119A	121A	0.37	110	41	1.07	119	0.013	0.0003	0.00	0.013	67.0	250	0.50	0.042	0.86	0.7583	
Contribution From STREET "BK", Pipe 116A - 121A						2.90	322											
Contribution From STREET "BK", Pipe 120A - 121A						0.59	65											
	121A	123A	0.41	110	46	4.97	552	0.013	0.0014	0.00	0.014	73.0	250	0.60	0.046	0.94	0.8252	
Contribution From Unknown Road2 - 07, Pipe 122A - 123A						0.57	63											
	123A	126A	0.39	110	43	5.93	658	0.013	0.0017	0.00	0.015	70.0	250	0.95	0.058	1.18	0.9803	
Contribution From Unknown Road3 - 08, Pipe 125A - 126A						0.75	83											
	126A	127A	0.33	110	37	7.01	778	0.013	0.0020	0.00	0.015	59.5	250	1.10	0.062	1.27	1.0383	
	127A	128A	0.06	110	7	7.07	785	0.013	0.0020	0.00	0.015	10.5	250	1.65	0.076	1.56	1.2077	
	128A	129A	0.59	110	65	7.66	850	0.013	0.0022	0.00	0.015	104.5	250	1.50	0.073	1.48	1.1621	
	129A	130A	0.32	110	36	7.98	886	0.013	0.0023	0.00	0.015	57.0	250	0.50	0.042	0.86	0.7868	
	130A	131A	0.04	110	5	8.02	891	0.013	0.0023	0.00	0.015	7.0	250	0.50	0.042	0.86	0.7868	
	131A	132A	0.12	110	14	8.14	905	0.013	0.0023	0.00	0.015	21.0	250	0.50	0.042	0.86	0.7868	

CONSULTANT: David Schaeffer Engineering Ltd.

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SHEET 15 OF 29

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DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

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single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

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Date:

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LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	132A	142A	0.22	110	25	8.36	930	0.013	0.0024	0.00	0.015	38.5	250	0.50	0.042	0.86	0.7868	
To STREET "B", Pipe 142A - 143A						8.36	930											
Unknown Road3 - 08																		
	140A	141A	0.19	110	21	0.19	21	0.013	0.0001	0.00	0.013	33.0	200	1.85	0.045	1.42	1.2319	
To STREET "B", Pipe 141A - 142A						0.19	21											
	124A	125A	0.39	110	43	0.39	43	0.013	0.0001	0.00	0.013	69.0	200	1.40	0.039	1.24	1.1145	
	125A	126A	0.36	110	40	0.75	83	0.013	0.0002	0.00	0.013	65.0	200	0.55	0.024	0.77	0.7901	
To STREET "BL", Pipe 126A - 127A						0.75	83											
Unknown Road2 - 07																		
	122A	123A	0.57	110	63	0.57	63	0.013	0.0002	0.00	0.013	102.0	200	1.00	0.033	1.04	0.9861	
To STREET "BL", Pipe 123A - 126A						0.57	63											
	138A	139A	0.22	110	25	0.22	25	0.013	0.0001	0.00	0.013	38.5	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 139A - 369A						0.22	25											
Unknown Road13 - 1009																		
			0.09	110	10	0.09	10											
	370A	139A	2.43	110	268	2.52	278	0.013	0.0007	0.00	0.014	17.5	200	1.00	0.033	1.04	0.9964	
To STREET "B", Pipe 139A - 369A						2.52	278											
STREET "BK"																		
	120A	121A	0.59	110	65	0.59	65	0.013	0.0002	0.00	0.013	108.5	200	1.00	0.033	1.04	0.9861	
To STREET "BL", Pipe 121A - 123A						0.59	65											
	136A	137A	0.24	110	27	0.24	27	0.013	0.0001	0.00	0.013	43.5	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 137A - 139A						0.24	27											

CONSULTANT: David Schaeffer Engineering Ltd.

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THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

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single family > 10m lots --- 50 p/ha

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Contribution From Unknown Road24 - 42, Pipe 111A - 116A						0.98	109											
Contribution From Unknown Road4 - 09, Pipe 114A - 116A						0.88	98											
Contribution From Unknown Road4 - 09, Pipe 115A - 116A						0.65	72											
	116A	121A	0.39	110	43	2.90	322	0.013	0.0008	0.00	0.014	71.5	200	0.55	0.024	0.77	0.7990	
To STREET "BL", Pipe 121A - 123A						2.90	322											
STREET "BJ"																		
	117A	119A	0.56	110	62	0.56	62	0.013	0.0002	0.00	0.013	102.5	200	1.00	0.033	1.04	0.9861	
To STREET "BL", Pipe 119A - 121A						0.56	62											
	133A	135A	0.18	110	20	0.18	20	0.013	0.0001	0.00	0.013	33.5	200	1.00	0.033	1.04	0.9807	
To STREET "B", Pipe 135A - 137A						0.18	20											
STREET "B"																		
	352A	353A	0.51	110	57	0.51	57	0.013	0.0001	0.00	0.013	95.0	200	1.75	0.043	1.38	1.2064	
To STR. "E", Pipe 353A - 354A						0.51	57											
	52A	53A	0.44	110	49	0.44	49	0.013	0.0001	0.00	0.013	80.5	200	1.00	0.033	1.04	0.9807	
	53A	54A	0.38	110	42	0.82	91	0.013	0.0002	0.00	0.013	70.0	250	0.50	0.042	0.86	0.7583	
To STREET "BD", Pipe 54A - 55A						0.82	91											
	46A	47A	0.13	110	15	0.13	15	0.013	0.0000	0.00	0.013	23.0	200	2.00	0.046	1.48	1.2630	
Contribution From STREET "BI", Pipe 45A - 47A						0.20	22											
	47A	49A	0.38	110	42	0.71	79	0.013	0.0002	0.00	0.013	70.0	200	2.00	0.046	1.48	1.2720	
Contribution From STREET "BH", Pipe 44A - 49A						0.70	78											
Contribution From STREET "BB", Pipe 48A - 49A						0.46	51											
	49A	51A	0.40	110	44	2.27	252	0.013	0.0006	0.00	0.014	73.5	200	2.00	0.046	1.48	1.2808	
Contribution From STREET "BG", Pipe 42A - 51A						16.87	1875											
Contribution From STREET "BG", Pipe 50A - 51A						0.61	68											
	51A	54A	0.39	110	43	20.14	2238	0.028	0.0058	0.00	0.034	72.0	250	0.50	0.042	0.86	0.9512	
To STREET "BD", Pipe 54A - 55A						20.14	2238											

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 17 OF 29

PROJECT NO.: 24-1401

DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	134A	135A	0.15	110	17	0.15	17	0.013	0.0000	0.00	0.013	27.0	200	2.00	0.046	1.48	1.2630	
Contribution From STREET "BJ", Pipe 133A - 135A						0.18	20											
	135A	137A	0.37	110	41	0.70	78	0.013	0.0002	0.00	0.013	67.0	250	0.50	0.042	0.86	0.7533	
Contribution From STREET "BK", Pipe 136A - 137A						0.24	27											
	137A	139A	0.36	110	40	1.30	145	0.013	0.0004	0.00	0.013	67.5	250	0.95	0.058	1.18	0.9571	
Contribution From Unknown Road2 - 07, Pipe 138A - 139A						0.22	25											
Contribution From Unknown Road13 - 1009, Pipe 370A - 139A						2.52	278											
	139A	369A	0.21	110	24	4.25	472	0.013	0.0012	0.00	0.014	39.0	250	0.50	0.042	0.86	0.7729	
	369A	141A	0.13	110	15	4.38	487	0.013	0.0013	0.00	0.014	23.5	250	2.00	0.084	1.71	1.2671	
Contribution From Unknown Road3 - 08, Pipe 140A - 141A						0.19	21											
	141A	142A	0.33	110	37	4.90	545	0.013	0.0014	0.00	0.014	61.0	250	2.00	0.084	1.71	1.2800	
Contribution From STREET "BL", Pipe 132A - 142A						8.36	930											
	142A	143A	0.28	110	31	13.54	1506	0.019	0.0039	0.00	0.023	52.5	250	0.50	0.042	0.86	0.8774	
	143A	145A	0.09	110	10	13.63	1516	0.020	0.0039	0.00	0.023	16.5	250	0.50	0.042	0.86	0.8774	
Contribution From Unknown Road26 - 53, Pipe 144A - 145A						0.19	21											
Contribution From Unknown Road14 - 1010, Pipe 371A - 145A						1.21	10											
	145A	146A	0.25	110	28	15.28	1575	0.020	0.0044	0.00	0.025	47.0	250	0.50	0.042	0.86	0.8872	
	146A	155A	0.09	110	10	15.37	1585	0.020	0.0044	0.00	0.025	16.0	250	2.00	0.084	1.71	1.4863	
Contribution From STREET "AZ", Pipe 152A - 155A						1.99	222											
Contribution From STREET "AZ", Pipe 154A - 155A						0.84	94											
	155A	161A	0.38	110	42	18.58	1943	0.024	0.0053	0.00	0.030	70.0	250	0.50	0.042	0.86	0.9285	
Contribution From STREET "AT", Pipe 158A - 161A						1.10	123											
Contribution From STREET "AT", Pipe 160A - 161A						0.86	95											
	161A	165A	0.36	110	40	20.90	2201	0.027	0.0060	0.00	0.033	67.0	250	0.50	0.042	0.86	0.9494	
Contribution From STREET "AS", Pipe 163A - 165A						0.69	76											
Contribution From STREET "AS", Pipe 164A - 165A						0.39	43											
	165A	166A	0.41	110	46	22.39	2366	0.029	0.0064	0.00	0.036	76.0	250	0.60	0.046	0.94	1.0359	
Contribution From STREET "AN", Pipe 108A - 166A						39.77	4416											
	166A	170A	0.47	110	52	62.63	6834	0.075	0.0179	0.00	0.093	88.0	450	0.35	0.169	1.06	1.0822	

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 18 OF 29

PROJECT NO.: 24-1401

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THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
Contribution From STR."X", Pipe 168A - 170A						0.43	48											
Contribution From STREET "B", Pipe 169A - 170A						0.28	31											
	170A	172A	0.38	110	42	63.72	6955	0.076	0.0182	0.00	0.094	70.0	450	0.35	0.169	1.06	1.0863	
Contribution From STREET "Y", Pipe 171A - 172A						0.47	52											
	172A	252A	0.38	110	42	64.57	7049	0.077	0.0185	0.00	0.095	66.0	450	0.35	0.169	1.06	1.0904	
Contribution From STR. "A", Pipe 251A - 252A						2.31	256											
	252A	257A	0.38	110	42	67.26	7347	0.079	0.0192	0.00	0.099	74.0	450	0.35	0.169	1.06	1.0984	
Contribution From STREET "AC", Pipe 255A - 257A						0.71	79											
Contribution From STREET "AE", Pipe 256A - 257A						0.26	29											
	257A	258A	0.38	110	42	68.61	7497	0.081	0.0196	0.00	0.100	70.0	450	0.35	0.169	1.06	1.1060	
	258A	353A	0.39	110	43	69.00	7540	0.081	0.0197	0.00	0.101	73.0	450	0.35	0.169	1.06	1.1060	
To STR. "E", Pipe 353A - 354A						69.00	7540											
STREET "AC"																		
	350A	351A	0.33	110	37	0.33	37	0.013	0.0001	0.00	0.013	62.0	200	1.55	0.041	1.30	1.1506	
To STR. "E", Pipe 351A - 353A						0.33	37											
	253A	254A	0.29	110	32	0.29	32	0.013	0.0001	0.00	0.013	53.5	200	1.00	0.033	1.04	0.9807	
	254A	255A	0.06	110	7	0.35	39	0.013	0.0001	0.00	0.013	10.5	200	0.55	0.024	0.77	0.7870	
	255A	257A	0.36	110	40	0.71	79	0.013	0.0002	0.00	0.013	67.0	250	0.50	0.042	0.86	0.7533	
To STREET "B", Pipe 257A - 258A						0.71	79											
STREET "W"																		
	105A	106A	0.14	110	16	0.14	16	0.013	0.0000	0.00	0.013	24.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 106A - 108A						0.14	16											
	156A	157A	0.32	110	36	0.32	36	0.013	0.0001	0.00	0.013	58.5	200	1.55	0.041	1.30	1.1506	
To STREET "AT", Pipe 157A - 158A						0.32	36											
	249A	250A	0.33	110	37	0.33	37	0.013	0.0001	0.00	0.013	64.5	200	1.65	0.042	1.34	1.1793	
To STR. "A", Pipe 250A - 251A						0.33	37											

CONSULTANT: David Schaeffer Engineering Ltd.

SUBDIVISION: Global Properties Inc. Wildfield Village

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PROJECT NO.: 24-1401

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THE REGIONAL MUNICIPALITY OF PEEL

DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

single family > 10m lots --- 50 p/ha

single family < 10m lots / semi-detached --- 70 p/ha

townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

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STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	103A	104A	0.24	110	27	0.24	27	0.013	0.0001	0.00	0.013	44.0	200	2.00	0.046	1.48	1.2630	
	104A	106A	0.41	110	46	0.65	73	0.013	0.0002	0.00	0.013	76.0	200	1.35	0.038	1.21	1.1011	
To STREET "AN", Pipe 106A - 108A						0.65	73											
	246A	248A	0.62	110	69	0.62	69	0.013	0.0002	0.00	0.013	113.5	200	1.60	0.041	1.32	1.1690	
Contribution From STREET "Y", Pipe 247A - 248A						0.20	22											
	248A	250A	0.38	110	42	1.20	133	0.013	0.0003	0.00	0.013	65.0	250	0.50	0.042	0.86	0.7583	
To STR. "A", Pipe 250A - 251A						1.20	133											
	347A	348A	0.36	110	40	0.36	40	0.013	0.0001	0.00	0.013	66.5	200	2.00	0.046	1.48	1.2630	
	348A	349A	0.36	110	40	0.72	80	0.013	0.0002	0.00	0.013	66.5	200	2.00	0.046	1.48	1.2720	
To STR. "E", Pipe 349A - 351A						0.72	80											
STREET "V"																		
	101A	102A	0.13	110	15	0.13	15	0.013	0.0000	0.00	0.013	24.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 102A - 106A						0.13	15											
	99A	100A	0.50	110	55	0.50	55	0.013	0.0001	0.00	0.013	91.0	200	1.20	0.036	1.14	1.0504	
	100A	102A	0.58	110	64	1.08	119	0.013	0.0003	0.00	0.013	106.5	200	1.50	0.040	1.28	1.1464	
To STREET "AN", Pipe 102A - 106A						1.08	119											
	342A	343A	0.50	110	55	0.50	55	0.013	0.0001	0.00	0.013	92.0	200	1.00	0.033	1.04	0.9861	
	343A	344A	0.50	110	55	1.00	110	0.013	0.0003	0.00	0.013	92.0	200	0.70	0.027	0.87	0.8660	
	344A	345A	0.58	110	64	1.58	174	0.013	0.0005	0.00	0.013	106.5	200	1.15	0.035	1.12	1.0402	
	345A	346A	0.58	110	64	2.16	238	0.013	0.0006	0.00	0.014	106.5	200	1.15	0.035	1.12	1.0460	
To STR. "E", Pipe 346A - 349A						2.16	238											

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PROJECT NO.: 24-1401
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THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

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LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
Unknown Road21 - 18																		
Contribution From STREET "G", Pipe 334A - 335A						0.70	78											
	335A	336A	0.38	110	42	1.08	120	0.013	0.0003	0.00	0.013	70.0	200	0.55	0.024	0.77	0.7901	
To Unknown Road1 - 02, Pipe 336A - 337A						1.08	120											
Unknown Road1 - 02																		
Contribution From Unknown Road21 - 18, Pipe 335A - 336A						1.08	120											
	336A	337A	0.58	110	64	1.66	184	0.013	0.0005	0.00	0.013	106.5	250	0.50	0.042	0.86	0.7583	
	337A	339A	0.58	110	64	2.24	248	0.013	0.0006	0.00	0.014	106.5	250	0.50	0.042	0.86	0.7632	
To STREET "U", Pipe 339A - 340A						2.24	248											
STREET "AA"																		
Contribution From STREET "Q", Pipe 328A - 329A						0.26	29											
	329A	330A	0.58	110	64	0.84	93	0.013	0.0002	0.00	0.013	106.5	200	0.65	0.026	0.84	0.8417	
	330A	331A	0.58	110	64	1.42	157	0.013	0.0004	0.00	0.013	106.5	200	0.90	0.031	0.99	0.9500	
To STREET "U", Pipe 331A - 332A						1.42	157											
STR. "N"																		
	84A	85A	0.24	110	27	0.24	27	0.013	0.0001	0.00	0.013	43.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 85A - 87A						0.24	27											
	308A	309A	0.17	110	19	0.17	19	0.013	0.0000	0.00	0.013	31.5	200	1.00	0.033	1.04	0.9807	
	309A	310A	0.06	110	7	0.23	26	0.013	0.0001	0.00	0.013	10.5	200	2.00	0.046	1.48	1.2630	
	310A	315A	0.36	110	40	0.59	66	0.013	0.0002	0.00	0.013	65.5	250	0.50	0.042	0.86	0.7533	
To STR. "A", Pipe 315A - 317A						0.59	66											
STR. "R"																		
	88A	89A	0.20	110	22	0.20	22	0.013	0.0001	0.00	0.013	37.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 89A - 93A						0.20	22											
	311A	312A	0.14	110	16	0.14	16	0.013	0.0000	0.00	0.013	26.5	200	1.00	0.033	1.04	0.9807	

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SHEET 21 OF 29

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DEPARTMENT OF PUBLIC WORKS

STANDARD DRAWING

n = 0.013

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Date:

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	312A	313A	0.06	110	7	0.20	23	0.013	0.0001	0.00	0.013	10.5	200	2.00	0.046	1.48	1.2630	
	313A	315A	0.34	110	38	0.54	61	0.013	0.0002	0.00	0.013	62.5	200	0.60	0.025	0.81	0.8155	
To STR. "A", Pipe 315A - 317A						0.54	61											
STREET "S"																		
Contribution From STR. "A", Pipe 315A - 317A						1.85	207											
Contribution From STREET "O", Pipe 316A - 317A						0.57	63											
	317A	318A	0.39	110	43	2.81	313	0.013	0.0008	0.00	0.014	71.5	250	0.65	0.048	0.98	0.8414	
	318A	320A	0.39	110	43	3.20	356	0.013	0.0009	0.00	0.014	71.5	250	1.25	0.066	1.35	1.0703	
To STREET "T", Pipe 320A - 324A						3.20	356											
STREET "T"																		
	92A	93A	0.19	110	21	0.19	21	0.013	0.0001	0.00	0.013	34.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 93A - 98A						0.19	21											
	319A	320A	0.57	110	63	0.57	63	0.013	0.0002	0.00	0.013	103.5	200	2.00	0.046	1.48	1.2630	
Contribution From STREET "S", Pipe 318A - 320A						3.20	356											
	320A	324A	0.38	110	42	4.15	461	0.013	0.0012	0.00	0.014	70.0	250	0.65	0.048	0.98	0.8473	
To STR. "A", Pipe 324A - 327A						4.15	461											
STR. "A"																		
	218A	219A	0.85	110	94	0.85	94	0.013	0.0002	0.00	0.013	121.5	200	1.00	0.033	1.04	0.9861	
To Unknown Road22 - 2000, Pipe 219A - 2001A						0.85	94											
Contribution From STREET "W", Pipe 248A - 250A						1.20	133											
Contribution From STREET "W", Pipe 249A - 250A						0.33	37											
	250A	251A	0.39	110	43	1.92	213	0.013	0.0005	0.00	0.014	72.5	250	0.50	0.042	0.86	0.7632	
	251A	252A	0.39	110	43	2.31	256	0.013	0.0007	0.00	0.014	71.5	250	1.05	0.061	1.24	0.9978	
To STREET "B", Pipe 252A - 257A						2.31	256											
Contribution From STR. "A", Pipe 321A - 322A						0.57	63											
	322A	323A	0.39	110	43	0.96	106	0.013	0.0003	0.00	0.013	71.5	250	0.50	0.042	0.86	0.7583	
	323A	324A	0.39	110	43	1.35	149	0.013	0.0004	0.00	0.013	71.5	250	1.85	0.081	1.65	1.2187	

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SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 22 OF 29

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DEPARTMENT OF PUBLIC WORKS

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LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
Contribution From STREET "T", Pipe 320A - 324A						4.15	461											
	324A	327A	0.38	110	42	5.88	652	0.013	0.0017	0.00	0.015	70.0	250	0.50	0.042	0.86	0.7776	
To STREET "U", Pipe 327A - 331A						5.88	652											
	2005A	245A	0.39	110	43	0.39	43	0.013	0.0001	0.00	0.013	44.5	200	1.00	0.033	1.04	0.9807	
	245A	244A	0.39	110	43	0.78	86	0.013	0.0002	0.00	0.013	72.0	200	1.05	0.034	1.07	1.0050	
Contribution From Unknown Road25 - 50, Pipe 243A - 244A						5.50	612											
	244A	228A	0.38	110	42	6.66	740	0.013	0.0019	0.00	0.015	70.0	250	1.15	0.064	1.30	1.0531	
Contribution From STREET "AJ", Pipe 227A - 228A						1.16	129											
	228A	225A	0.38	110	42	8.20	911	0.013	0.0023	0.00	0.015	70.0	250	2.00	0.084	1.71	1.2927	
Contribution From STREET "AK", Pipe 224A - 225A						1.18	131											
	225A	222A	0.36	110	40	9.74	1082	0.014	0.0028	0.00	0.017	67.0	250	0.65	0.048	0.98	0.8919	
Contribution From STREET "AL", Pipe 217A - 222A						13.77	1534											
	222A	221A	0.44	110	49	23.95	2665	0.033	0.0068	0.00	0.039	82.0	300	0.50	0.068	0.97	0.9982	
	221A	220A	0.44	110	49	24.39	2714	0.033	0.0070	0.00	0.040	79.5	300	0.50	0.068	0.97	1.0054	
	220A	219A	0.06	110	7	24.45	2721	0.033	0.0070	0.00	0.040	11.5	300	0.50	0.068	0.97	1.0054	
To Unknown Road22 - 2000, Pipe 219A - 2001A						24.45	2721											
STREET "U"																		
	148A	149A	0.15	110	17	0.15	17	0.013	0.0000	0.00	0.013	26.5	200	1.00	0.033	1.04	0.9807	
To STREET "AZ", Pipe 149A - 150A						0.15	17											
	97A	98A	0.19	110	21	0.19	21	0.013	0.0001	0.00	0.013	34.5	200	1.00	0.033	1.04	0.9807	
To STREET "AN", Pipe 98A - 102A						0.19	21											
	94A	95A	0.13	110	15	0.13	15	0.013	0.0000	0.00	0.013	23.5	200	2.00	0.046	1.48	1.2630	
Contribution From STREET "AY", Pipe 77A - 95A						0.58	64											
	95A	96A	0.39	110	43	1.10	122	0.013	0.0003	0.00	0.013	71.5	200	2.00	0.046	1.48	1.2720	
	96A	98A	0.39	110	43	1.49	165	0.013	0.0004	0.00	0.013	71.5	250	0.50	0.042	0.86	0.7583	
To STREET "AN", Pipe 98A - 102A						1.49	165											

CONSULTANT: David Schaeffer Engineering Ltd.
SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 23 OF 29
PROJECT NO.: 24-1401
DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	338A	339A	0.14	110	16	0.14	16	0.013	0.0000	0.00	0.013	26.0	200	1.00	0.033	1.04	0.9807	
Contribution From Unknown Road1 - 02, Pipe 337A - 339A						2.24	248											
	339A	340A	0.39	110	43	2.77	307	0.013	0.0008	0.00	0.014	71.5	250	0.50	0.042	0.86	0.7632	
	340A	341A	0.39	110	43	3.16	350	0.013	0.0009	0.00	0.014	71.5	250	0.50	0.042	0.86	0.7681	
To STR. "E", Pipe 341A - 346A						3.16	350											
	325A	326A	0.42	110	47	0.42	47	0.013	0.0001	0.00	0.013	76.0	200	1.00	0.033	1.04	0.9807	
	326A	327A	0.62	110	69	1.04	116	0.013	0.0003	0.00	0.013	114.0	200	1.90	0.045	1.44	1.2484	
Contribution From STR. "A", Pipe 324A - 327A						5.88	652											
	327A	331A	0.38	110	42	7.30	810	0.013	0.0021	0.00	0.015	70.0	250	0.90	0.056	1.15	0.9689	
Contribution From STREET "AA", Pipe 330A - 331A						1.42	157											
	331A	332A	0.17	110	19	8.89	986	0.013	0.0025	0.00	0.016	30.5	250	0.50	0.042	0.86	0.7914	
	332A	341A	0.61	110	68	9.50	1054	0.014	0.0027	0.00	0.017	112.0	250	1.30	0.068	1.38	1.1379	
To STR. "E", Pipe 341A - 346A						9.50	1054											
STREET "G"																		
	306A	307A	0.32	110	36	0.32	36	0.013	0.0001	0.00	0.013	58.5	200	2.00	0.046	1.48	1.2630	
To STR. "E", Pipe 307A - 341A						0.32	36											
	333A	334A	0.35	110	39	0.35	39	0.013	0.0001	0.00	0.013	64.0	200	1.00	0.033	1.04	0.9807	
	334A	335A	0.35	110	39	0.70	78	0.013	0.0002	0.00	0.013	64.0	200	0.70	0.027	0.87	0.8621	
To Unknown Road21 - 18, Pipe 335A - 336A						0.70	78											
STREET "AB"																		
Contribution From STR. "A", Pipe 301A - 302A						0.19	21											
	302A	303A	0.36	110	40	0.55	61	0.013	0.0002	0.00	0.013	66.5	200	0.90	0.031	0.99	0.9453	
	303A	304A	0.37	110	41	0.92	102	0.013	0.0003	0.00	0.013	67.0	200	0.80	0.029	0.93	0.9089	
	304A	305A	0.07	110	8	0.99	110	0.013	0.0003	0.00	0.013	13.0	200	0.85	0.030	0.96	0.9279	
	305A	307A	0.36	110	40	1.35	150	0.013	0.0004	0.00	0.013	66.5	200	1.75	0.043	1.38	1.2145	
To STR. "E", Pipe 307A - 341A						1.35	150											

CONSULTANT: David Schaeffer Engineering Ltd.
SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 24 OF 29
PROJECT NO.: 24-1401
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THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

1401_SAN_DesignSheet.xlsx

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
STR. "A"																		
	298A	299A	0.28	110	31	0.28	31	0.013	0.0001	0.00	0.013	51.5	200	2.00	0.046	1.48	1.2630	
To STR. "E", Pipe 299A - 300A						0.28	31											
	301A	302A	0.19	110	21	0.19	21	0.013	0.0001	0.00	0.013	35.0	200	1.30	0.037	1.19	1.0805	
To STREET "AB", Pipe 302A - 303A						0.19	21											
	314A	315A	0.32	110	36	0.32	36	0.013	0.0001	0.00	0.013	59.0	200	1.05	0.034	1.07	0.9995	
Contribution From STR. "N", Pipe 310A - 315A						0.59	66											
Contribution From STR. "R", Pipe 313A - 315A						0.54	61											
	315A	317A	0.40	110	44	1.85	207	0.013	0.0005	0.00	0.014	73.0	250	0.55	0.044	0.90	0.7901	
To STREET "S", Pipe 317A - 318A						1.85	207											
STREET "Q"																		
	328A	329A	0.26	110	29	0.26	29	0.013	0.0001	0.00	0.013	48.0	200	1.00	0.033	1.04	0.9807	
To STREET "AA", Pipe 329A - 330A						0.26	29											
	293A	294A	0.02	110	3	0.02	3	0.013	0.0000	0.00	0.013	3.0	200	2.00	0.046	1.48	1.2630	
	294A	295A	0.04	110	5	0.06	8	0.013	0.0000	0.00	0.013	6.5	200	1.80	0.044	1.40	1.2151	
	295A	296A	0.37	110	41	0.43	49	0.013	0.0001	0.00	0.013	67.0	200	1.25	0.037	1.17	1.0659	
	296A	297A	0.36	110	40	0.79	89	0.013	0.0002	0.00	0.013	66.5	200	0.65	0.026	0.84	0.8417	
To STR. "E", Pipe 297A - 299A						0.79	89											
STREET "O"																		
	286A	287A	0.18	110	20	0.18	20	0.013	0.0001	0.00	0.013	33.5	200	1.00	0.033	1.04	0.9807	
To STREET "M", Pipe 287A - 289A						0.18	20											
	316A	317A	0.57	110	63	0.57	63	0.013	0.0002	0.00	0.013	104.5	200	1.00	0.033	1.04	0.9861	
To STREET "S", Pipe 317A - 318A						0.57	63											

CONSULTANT: David Schaeffer Engineering Ltd.
SUBDIVISION: Global Properties Inc. Wildfield Village

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PROJECT NO.: 24-1401
DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

1401_SAN_DesignSheet.xlsx

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
STREET "M"																		
	284A	285A	0.42	110	47	0.42	47	0.013	0.0001	0.00	0.013	77.5	200	1.00	0.033	1.04	0.9807	
	285A	287A	0.37	110	41	0.79	88	0.013	0.0002	0.00	0.013	67.5	250	0.50	0.042	0.86	0.7583	
Contribution From STREET "O", Pipe 286A - 287A						0.18	20											
	287A	289A	0.38	110	42	1.35	150	0.013	0.0004	0.00	0.013	70.0	250	0.50	0.042	0.86	0.7583	
Contribution From STR. "A", Pipe 288A - 289A						0.18	20											
	289A	290A	0.46	110	51	1.99	221	0.013	0.0006	0.00	0.014	84.5	250	0.65	0.048	0.98	0.8355	
	290A	291A	0.35	110	39	2.34	260	0.013	0.0007	0.00	0.014	64.0	250	1.05	0.061	1.24	0.9978	
	291A	292A	0.35	110	39	2.69	299	0.013	0.0008	0.00	0.014	64.0	250	0.75	0.052	1.05	0.8844	
To STR. "E", Pipe 292A - 297A						2.69	299											
STREET "J"																		
	280A	281A	0.31	110	35	0.31	35	0.013	0.0001	0.00	0.013	56.5	200	1.00	0.033	1.04	0.9807	
	281A	368A	0.41	110	46	0.72	81	0.013	0.0002	0.00	0.013	75.5	200	0.55	0.024	0.77	0.7901	
	368A	283A	0.23	110	26	0.95	107	0.013	0.0003	0.00	0.013	42.0	250	0.50	0.042	0.86	0.7583	
To STR. "E", Pipe 283A - 292A						0.95	107											
STR. "A"																		
	288A	289A	0.18	110	20	0.18	20	0.013	0.0001	0.00	0.013	33.0	200	1.00	0.033	1.04	0.9807	
To STREET "M", Pipe 289A - 290A						0.18	20											
	321A	322A	0.57	110	63	0.57	63	0.013	0.0002	0.00	0.013	104.0	200	1.00	0.033	1.04	0.9861	
To STR. "A", Pipe 322A - 323A						0.57	63											
	266A	267A	0.53	110	59	0.53	59	0.013	0.0002	0.00	0.013	96.5	200	2.00	0.046	1.48	1.2630	
	267A	268A	0.13	110	15	0.66	74	0.013	0.0002	0.00	0.013	23.5	200	0.55	0.024	0.77	0.7870	
To Unknown Road30 - 70, Pipe 268A - 269A						0.66	74											
	259A	260A	0.15	110	17	0.15	17	0.013	0.0000	0.00	0.013	27.0	200	1.00	0.033	1.04	0.9807	
	260A	261A	0.07	110	8	0.22	25	0.013	0.0001	0.00	0.013	13.0	200	0.55	0.024	0.77	0.7870	
	261A	262A	0.26	110	29	0.48	54	0.013	0.0001	0.00	0.013	48.0	200	1.30	0.037	1.19	1.0805	

CONSULTANT: David Schaeffer Engineering Ltd.
SUBDIVISION: Global Properties Inc. Wildfield Village

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PROJECT NO.: 24-1401
DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

1401_SAN_DesignSheet.xlsx

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	262A	263A	0.06	110	7	0.54	61	0.013	0.0002	0.00	0.013	10.5	200	2.00	0.046	1.48	1.2630	
	263A	264A	0.30	110	33	0.84	94	0.013	0.0002	0.00	0.013	54.0	200	2.00	0.046	1.48	1.2720	
	264A	265A	0.07	110	8	0.91	102	0.013	0.0003	0.00	0.013	12.5	200	0.75	0.028	0.90	0.8883	
	265A	268A	0.35	110	39	1.26	141	0.013	0.0004	0.00	0.013	63.5	250	0.50	0.042	0.86	0.7583	
To Unknown Road30 - 70, Pipe 268A - 269A						1.26	141											
Unknown Road30 - 70																		
Contribution From STR. "A", Pipe 265A - 268A						1.26	141											
Contribution From STR. "A", Pipe 267A - 268A						0.66	74											
	268A	269A	0.03	110	4	1.95	219	0.013	0.0006	0.00	0.014	5.0	250	0.50	0.042	0.86	0.7632	
	269A	270A	0.33	110	37	2.28	256	0.013	0.0007	0.00	0.014	61.0	250	0.50	0.042	0.86	0.7632	
	270A	274A	0.08	110	9	2.36	265	0.013	0.0007	0.00	0.014	14.5	250	0.50	0.042	0.86	0.7632	
To STREET "K", Pipe 274A - 275A						2.36	265											
STREET "K"																		
	271A	272A	0.59	110	65	0.59	65	0.013	0.0002	0.00	0.013	108.5	200	1.05	0.034	1.07	0.9995	
	272A	273A	0.12	110	14	0.71	79	0.013	0.0002	0.00	0.013	22.5	200	2.00	0.046	1.48	1.2720	
	273A	274A	0.02	110	3	0.73	82	0.013	0.0002	0.00	0.013	3.0	200	0.55	0.024	0.77	0.7901	
Contribution From Unknown Road30 - 70, Pipe 270A - 274A						2.36	265											
	274A	275A	0.04	110	5	3.13	352	0.013	0.0009	0.00	0.014	7.0	250	1.35	0.069	1.41	1.0924	
	275A	276A	0.28	110	31	3.41	383	0.013	0.0010	0.00	0.014	50.5	250	0.50	0.042	0.86	0.7681	
	276A	277A	0.05	110	6	3.46	389	0.013	0.0010	0.00	0.014	10.0	250	0.60	0.046	0.94	0.8197	
	277A	278A	0.42	110	47	3.88	436	0.013	0.0011	0.00	0.014	77.0	250	0.50	0.042	0.86	0.7681	
	278A	279A	0.07	110	8	3.95	444	0.013	0.0011	0.00	0.014	13.0	250	0.50	0.042	0.86	0.7681	
	279A	283A	0.36	110	40	4.31	484	0.013	0.0012	0.00	0.014	66.5	250	0.50	0.042	0.86	0.7729	
To STR. "E", Pipe 283A - 292A						4.31	484											
STR. "E"																		
	282A	283A	0.51	110	57	0.51	57	0.013	0.0001	0.00	0.013	94.0	200	1.00	0.033	1.04	0.9861	

CONSULTANT: David Schaeffer Engineering Ltd.
SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 27 OF 29
PROJECT NO.: 24-1401
DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG

1401_SAN_DesignSheet.xlsx

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
Contribution From STREET "K", Pipe 279A - 283A						4.31	484											
Contribution From STREET "J", Pipe 368A - 283A						0.95	107											
	283A	292A	0.38	110	42	6.15	690	0.013	0.0018	0.00	0.015	70.0	250	0.50	0.042	0.86	0.7776	
Contribution From STREET "M", Pipe 291A - 292A						2.69	299											
	292A	297A	0.38	110	42	9.22	1031	0.014	0.0026	0.00	0.016	70.0	250	0.50	0.042	0.86	0.8004	
Contribution From STREET "Q", Pipe 296A - 297A						0.79	89											
	297A	299A	0.40	110	44	10.41	1164	0.015	0.0030	0.00	0.018	73.0	250	0.50	0.042	0.86	0.8258	
Contribution From STR. "A", Pipe 298A - 299A						0.28	31											
	299A	300A	0.39	110	43	11.08	1238	0.016	0.0032	0.00	0.019	71.5	250	0.50	0.042	0.86	0.8378	
	300A	307A	0.39	110	43	11.47	1281	0.017	0.0033	0.00	0.020	71.5	250	0.50	0.042	0.86	0.8455	
Contribution From STREET "AB", Pipe 305A - 307A						1.35	150											
Contribution From STREET "G", Pipe 306A - 307A						0.32	36											
	307A	341A	0.38	110	42	13.52	1509	0.019	0.0039	0.00	0.023	70.0	250	0.50	0.042	0.86	0.8774	
Contribution From STREET "U", Pipe 332A - 341A						9.50	1054											
Contribution From STREET "U", Pipe 340A - 341A						3.16	350											
	341A	346A	0.38	110	42	26.56	2955	0.036	0.0076	0.00	0.043	70.0	300	0.50	0.068	0.97	1.0221	
Contribution From STREET "V", Pipe 345A - 346A						2.16	238											
	346A	349A	0.38	110	42	29.10	3235	0.039	0.0083	0.00	0.047	70.0	300	0.50	0.068	0.97	1.0403	
Contribution From STREET "W", Pipe 348A - 349A						0.72	80											
	349A	351A	0.38	110	42	30.20	3357	0.040	0.0086	0.00	0.049	70.0	300	0.40	0.061	0.87	0.9589	
Contribution From STREET "AC", Pipe 350A - 351A						0.33	37											
	351A	353A	0.40	110	44	30.93	3438	0.041	0.0088	0.00	0.050	74.0	300	0.40	0.061	0.87	0.9625	
Contribution From STREET "B", Pipe 258A - 353A						69.00	7540											
Contribution From STREET "B", Pipe 352A - 353A						0.51	57											
	353A	354A	0.36	110	40	100.80	11075	0.113	0.0288	0.00	0.142	67.0	450	0.35	0.169	1.06	1.1876	
	354A	358A	0.36	110	40	101.16	11115	0.113	0.0289	0.00	0.142	67.0	450	0.35	0.169	1.06	1.1876	
Contribution From STREET "AD", Pipe 357A - 358A						0.97	108											
	358A	364A	0.38	110	42	102.51	11265	0.115	0.0293	0.00	0.144	70.0	450	0.40	0.180	1.13	1.2589	
Contribution From STREET "AE", Pipe 363A - 364A						1.52	169											
	364A	365A	0.60	110	66	104.63	11500	0.117	0.0299	0.00	0.147	111.5	525	0.35	0.254	1.18	1.2128	
	365A	366A	0.60	110	66	105.23	11566	0.117	0.0301	0.00	0.147	111.5	525	0.35	0.254	1.18	1.2173	

CONSULTANT: David Schaeffer Engineering Ltd.
SUBDIVISION: Global Properties Inc. Wildfield Village

SHEET 28 OF 29
PROJECT NO.: 24-1401
DATE :Aug 2025 DESIGNED BY: E.G.

THE REGIONAL MUNICIPALITY OF PEEL
DEPARTMENT OF PUBLIC WORKS
STANDARD DRAWING

n = 0.013
single family > 10m lots --- 50 p/ha
single family < 10m lots / semi-detached --- 70 p/ha
townhouse --- 175p/ha

For Preliminary purposes a blended rate of 110 p/Ha was used

Approved:

Date:

STD. DWG
1401_SAN_DesignSheet.xlsx

LOCATION	FROM MH	TO MH	AREA (ha)	DENSITY (ppha)	POPULATION	CUMULATIVE AREA (HA)	CUMULATIVE POPULATION	SEWAGE FLOW (m3/s), [1]	INFILTRATION FLOW 0.0002c.m./s/ha (m3/s), [2]	FOUNDATION DRAINS (m3/s), [3]	TOTAL FLOW (m3/s), [1+2+3]	PIPE LENGTH (m)	PIPE DIAMETER (mm)	GRADIENT (%)	CAPACITY (m3/s)	VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	DROP IN LOWER MH (m)
	366A	2002A				105.23	11566	0.117	0.0301	0.00	0.147	78.5	525	0.50	0.304	1.40	1.3927	
Contribution From Unknown Road22 - 2000, Pipe 2001A - 2002A						25.30	2815											
	2002A	367A				130.53	14381	0.141	0.0373	0.00	0.178	24.0	525	0.50	0.304	1.40	1.4600	

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Appendix L2:
Sanitary Demand Table

Connection Demand Table

WATER CONNECTION

Connection point [3]				
Pressure zone of connection point				
Total equivalent population to be serviced [1]				
Total lands to be serviced				
Hydrant flow test				
	Hydrant flow test location			
		Pressure (kPa)	Flow (in l/s)	Time
	Minimum water pressure			
	Maximum water pressure			

No.	Water demands			
		Demand (in l/s)		
	Demand type	**Use 1** [5]	**Use 2** [5]	**Total**
1	Average day flow			
2	Maximum day flow			
3	Peak hour flow			
4	Fire flow [2]			
Analysis				
5	Maximum day plus fire flow			

Refer to **Appendix J** for Water Demands

WASTEWATER CONNECTION

		The Gore Road	**Southern Subdivision**	**Total**
Connection point [4]		MH	MH	
Total equivalent population to be serviced [1]		14381ppl	300ppl	14681ppl
Total lands to be serviced		130.53Ha	9.5Ha	140.03Ha
6	Wastewater sewer effluent (in l/s)	178L/s	16L/s	194L/s

[1] Please refer to design criteria for population equivencies

[2] Please reference the Fire Underwriters Survey Document

[3] Please specify the connection point ID

[4] Please specify the connection point (wastewater line or manhole ID)
Also, the "total equivalent popopulation to be serviced" and the "total lands to be serviced" should reference the connection point. (The FSR should contain one copy of Site Servicing Plan)

[5] Please complete as many uses are necessary for the development.
(Please specify the use)

Please include the graphs associated with the hydrant flow test information table
Please provide Professional Engineer's signature and stamp on the demand table
All required calculations must be submitted with the demand table submission.