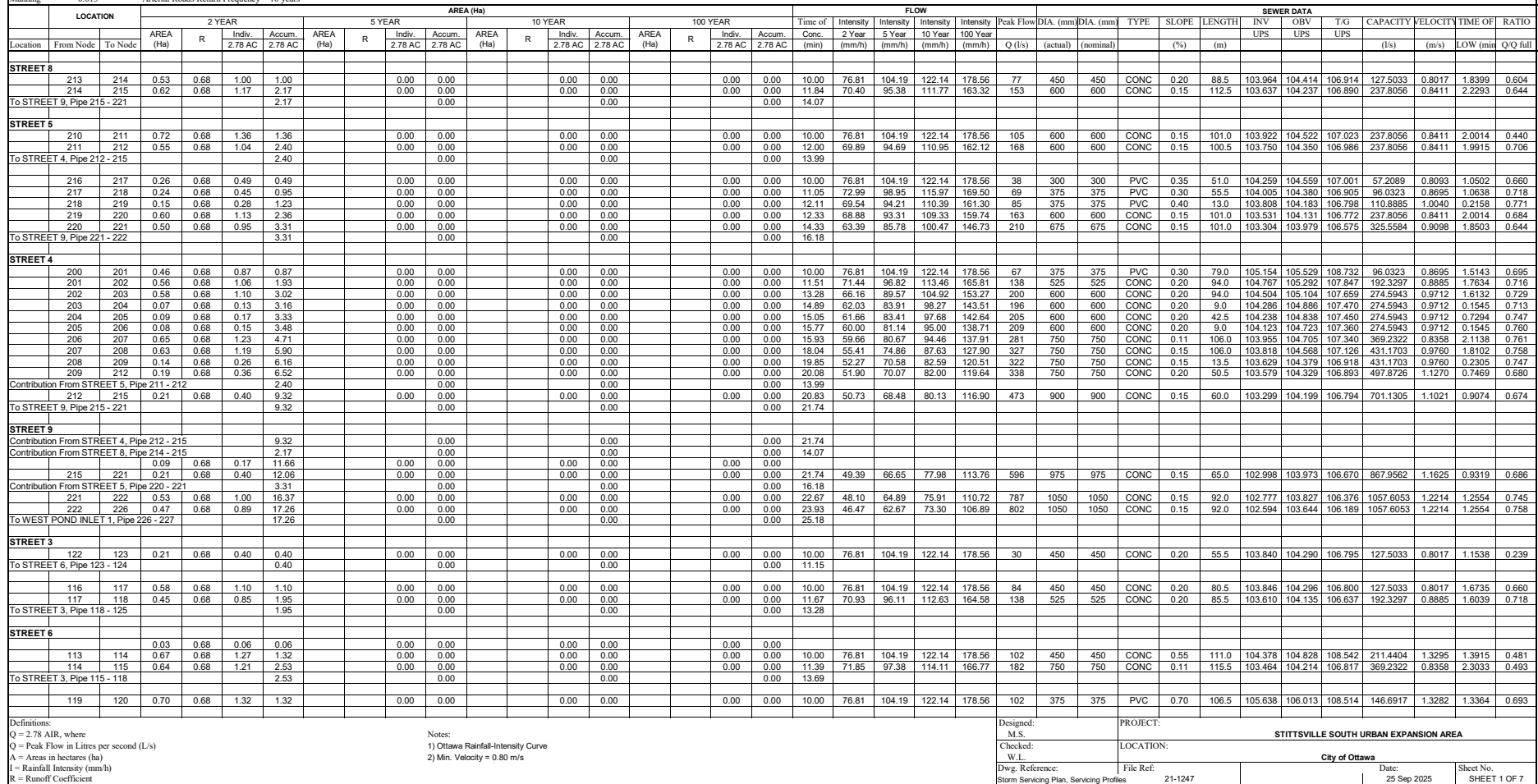


		Local Roads Return Frequency = 2 years
		Collector Roads Return Frequency = 5 years
Manning	0.013	Arterial Roads Return Frequency = 10 years



STORM SEWER CALCULATION SHEET (RATIONAL METHOD)

Local Roads Return Frequency = 2 years
Collector Roads Return Frequency = 5 years
Arterial Roads Return Frequency = 10 years
Manning 0.013

LOCATION			AREA (Ha)																FLOW										SEWER DATA									
			2 YEAR				5 YEAR				10 YEAR				100 YEAR				Time of		Intensity	Intensity	Intensity	Intensity	Peak Flow	DIA. (mm)	DIA. (mm)	TYPE	SLOPE	LENGTH	INV	OBV	T/G	CAPACITY	VELOCITY	TIME OF	RATIO	
Location	From Node	To Node	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	Time of Conc. (min)	2 Year (mm/h)	5 Year (mm/h)	10 Year (mm/h)	100 Year (mm/h)	Q (l/s)	(actual)	(nominal)		(%)	(m)	UPS	UPS	UPS	(l/s)	(m/s)	LOW (min)	Q/Q full		
Contribution From STREET 3, Pipe 122 - 123	120	121	0.13	0.68	0.25	1.57			0.00	0.00			0.00	0.00			0.00	0.00	11.34	72.03	97.63	114.41	167.20	113	375	375	PVC	1.20	13.0	104.862	105.237	107.768	192.0645	1.7390	0.1246	0.588		
	121	123	0.20	0.68	0.38	1.95			0.00	0.00			0.00	0.00			0.00	0.00	11.46	71.62	97.06	113.74	166.22	139	375	375	PVC	1.70	51.0	104.676	105.051	107.583	228.6025	2.0698	0.4107	0.610		
	Contribution From STREET 3, Pipe 122 - 123					0.40				0.00			0.00					0.00	11.15																			
	123	124	0.48	0.68	0.91	3.25			0.00	0.00			0.00	0.00			0.00	0.00	11.87	70.30	95.25	111.61	163.09	229	675	675	CONC	0.15	85.0	103.477	104.152	106.711	325.5584	0.9098	1.5572	0.702		
To STREET 3, Pipe 125 - 128	124	125	0.48	0.68	0.91	4.16			0.00	0.00			0.00	0.00			0.00	0.00	13.43	65.74	89.00	104.26	152.30	273	750	750	CONC	0.15	90.0	103.231	103.981	106.525	431.1703	0.9760	1.5369	0.634		
	To STREET 3, Pipe 125 - 128					4.16				0.00				0.00				0.00	14.97																			
STREET 2																																						
To STREET 1, Pipe 110 - 111	109	110	0.21	0.68	0.40	0.40			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	30	300	300	PVC	0.35	51.0	106.196	106.496	108.997	57.2089	0.8093	1.0502	0.533		
	To STREET 1, Pipe 110 - 111					0.40				0.00				0.00				0.00	11.05																			
To STREET 3, Pipe 105 - 112	103	104	0.58	0.68	1.10	1.10			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	84	450	450	CONC	0.20	81.0	106.026	106.476	108.979	127.5033	0.8017	1.6839	0.660		
	104	105	0.45	0.68	0.85	1.95			0.00	0.00			0.00	0.00			0.00	0.00	11.68	70.89	96.07	112.57	164.50	138	525	525	CONC	0.20	85.5	105.789	106.314	108.816	192.3297	0.8885	1.6039	0.718		
To STREET 3, Pipe 105 - 112					1.95				0.00				0.00					0.00	13.29																			
STREET 1																																						
To STREET 3, Pipe 102 - 105	100	101	0.69	0.68	1.30	1.30			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	100	450	450	CONC	0.25	109.5	106.355	106.805	109.305	142.5531	0.8963	2.0361	0.703		
	101	102	0.63	0.68	1.19	2.50			0.00	0.00			0.00	0.00			0.00	0.00	12.94	69.78	94.54	110.78	161.87	174	600	600	CONC	0.15	114.0	105.931	106.531	109.174	237.8056	0.8411	2.2590	0.732		
	To STREET 3, Pipe 102 - 105					2.50				0.00				0.00				0.00	14.30																			
		106	107	0.69	0.68	1.30	1.30			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	100	450	450	CONC	0.25	102.5	106.331	106.781	109.282	142.5531	0.8963	1.9059	0.703	
Contribution From STREET 2, Pipe 109 - 110	107	108	0.15	0.68	0.28	1.59			0.00	0.00			0.00	0.00			0.00	0.00	11.91	70.19	95.10	111.43	162.83	111	450	450	CONC	0.30	9.0	106.045	106.495	109.070	156.1591	0.9819	0.1528	0.714		
	108	110	0.18	0.68	0.34	1.93			0.00	0.00			0.00	0.00			0.00	0.00	12.06	69.71	94.45	110.66	161.70	134	525	525	CONC	0.20	48.5	105.943	106.468	109.050	192.3297	0.8885	0.9098	0.699		
	Contribution From STREET 2, Pipe 109 - 110					0.40				0.00				0.00				0.00	11.05																			
	110	111	0.49	0.68	0.93	3.25			0.00	0.00			0.00	0.00			0.00	0.00	12.97	67.02	90.75	106.32	155.32	218	525	525	CONC	1.25	85.5	105.774	106.299	108.955	480.8242	2.2211	0.6416	0.453		
To STREET 3, Pipe 112 - 115	111	112	0.49	0.68	0.93	4.18			0.00	0.00			0.00	0.00			0.00	0.00	13.61	65.26	88.33	103.47	151.14	273	750	750	CONC	0.15	90.5	103.602	104.352	107.731	431.1703	0.9760	1.5455	0.632		
	To STREET 3, Pipe 112 - 115					4.18				0.00				0.00				0.00	15.16																			
STREET 10																																						
To STREET 10, Pipe 132 - 137	131	132	0.28	0.68	0.53	0.53			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	41	450	450	CONC	0.20	55.5	103.719	104.169	106.670	127.5033	0.8017	1.1538	0.319		
	To STREET 10, Pipe 132 - 137					0.53				0.00				0.00				0.00	11.15																			
To STREET 3, Pipe 128 - 142	126	127	0.73	0.68	1.38	1.38			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	106	450	450	CONC	0.25	110.5	103.725	104.175	106.675	142.5531	0.8963	2.0547	0.744		
	127	128	0.63	0.68	1.19	2.57			0.00	0.00			0.00	0.00			0.00	0.00	12.05	69.72	94.46	110.68	161.73	179	600	600	CONC	0.15	115.0	103.299	103.899	106.456	237.8056	0.8411	2.2789	0.754		
	To STREET 3, Pipe 128 - 142					2.57				0.00				0.00				0.00	14.33																			
		129	130	0.58	0.68	1.10	1.10			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	84	450	450	CONC	0.20	90.0	103.977	104.427	106.927	127.5033	0.8017	1.8710	0.660	
To STREET 10, Pipe 132 - 137	130	132	0.53	0.68	1.00	2.10			0.00	0.00			0.00	0.00			0.00	0.00	11.87	70.30	95.25	111.61	163.09	148	525	525	CONC	0.20	89.5	103.722	104.247	106.753	192.3297	0.8885	1.6789	0.767		
	To STREET 10, Pipe 132 - 137					2.10				0.00				0.00				0.00	13.55																			
To STREET 10, Pipe 137 - 138	133	134	0.31	0.68	0.59	0.59			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	45	300	300	PVC	0.40	46.5	104.117	104.417	106.918	61.1589	0.8652	0.8957	0.736		
	134	135	0.13	0.68	0.25	0.83			0.00	0.00			0.00	0.00			0.00	0.00	10.90	73.53	99.69	116.84	170.77	61	375	375	PVC	0.30	13.0	103.856	104.231	106.830	96.0323	0.8695	0.2492	0.637		
	135	136	0.54	0.68	1.02	1.85			0.00	0.00			0.00	0.00			0.00	0.00	11.14	72.67	98.51	115.45	168.73	135	525	525	CONC	0.20	89.5	103.667	104.192	106.810	192.3297	0.8885	1.6789	0.700		
	136	137	0.46	0.68	0.87	2.72			0.00	0.00			0.00	0.00			0.00	0.00	12.82	67.43	91.32	106.98	156.30	184	750	750	CONC	0.11	89.5	103.263	104.013	106.634	369.2322	0.8358	1.7848	0.497		
	To STREET 10, Pipe 137 - 138					2.72				0.00				0.00				0.00	14.61																			
STREET 10																																						
To WEST POND INLET 1, Pipe 226 - 227	223	224			0.00	0.00	0.10	0.68	0.19	0.19			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	63	375	375	PVC	0.30	41.5	103.505	103.880	106.381	96.0323	0.8695	0.7955	0.656		
					0.00	0.00	0.22	0.68	0.42	0.60			0.00	0.00			0.00	0.00																				
					0.00	0.00	0.32	0.68	0.60	1.21																												

		Local Roads Return Frequency = 2 years
		Collector Roads Return Frequency = 5 years
Manning	0.013	Arterial Roads Return Frequency = 10 years

Definitions: $Q = 2.78 AI_R$, where Q = Peak Flow in Litres per second (L/s) A = Areas in hectares (ha) I = Rainfall Intensity (mm/h) R = Runoff Coefficient	Notes: 1) Ottawa Rainfall-Intensity Curve 2) Min. Velocity = 0.80 m/s	Designed: M.S. Checked: W.L.	PROJECT: STITTVILLE SOUTH URBAN EXPANSION AREA			
			LOCATION: City of Ottawa			
		Dwg. Reference: Storm Servicing Plan, Servicing Profiles	File Ref: 21-1247		Date: 25 Sep 2025	Sheet No. SHEET 3 OF 7

		Local Roads Return Frequency = 2 years
		Collector Roads Return Frequency = 5 years
Manning	0.013	Arterial Roads Return Frequency = 10 years

Definitions: Q = 2.78 AI _R , where Q = Peak Flow in Litres per second (L/s) A = Areas in hectares (ha) I = Rainfall Intensity (mm/h) R = Runoff Coefficient	Notes: 1) Ottawa Rainfall-Intensity Curve 2) Min. Velocity = 0.80 m/s	Designed: M.S. Checked: W.L. Dwg. Reference: Storm Servicing Plan, Servicing Profiles	PROJECT: STITTSVILLE SOUTH URBAN EXPANSION AREA LOCATION: City of Ottawa File Ref: 21-1247 Date: 25 Sep 2025 Sheet No. SHEET 4 OF 7
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STORM SEWER CALCULATION SHEET (RATIONAL METHOD)

Local Roads Return Frequency = 2 years
Collector Roads Return Frequency = 5 years
Arterial Roads Return Frequency = 10 years

LOCATION			AREA (Ha)										FLOW										SEWER DATA														
			2 YEAR				5 YEAR				10 YEAR				100 YEAR				Time of	Intensity	Intensity	Intensity	Intensity	Peak Flow	DIA. (mm)		DIA. (mm)	TYPE	SLOPE	LENGTH	INV	OBV	T/G	CAPACITY	VELOCITY	TIME OF	RATIO
Location	From Node	To Node	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	Conc. (mm/h)	2 Year (mm/h)	5 Year (mm/h)	10 Year (mm/h)	100 Year (mm/h)	Q (l/s)	(actual)	(nominal)		(%)	(m)	UPS	UPS	UPS	(l/s)	(m/s)	LOW (min)	Q/Q full	
Contribution From STREET 18, Pipe 414 - 415					0.91					0.00				0.00				0.00		12.44																	
	415	429	1.70	0.80	3.78	7.71	0.14	0.68	0.26	3.48			0.00	0.00			0.00	0.00	18.42	54.72	73.93	86.53	126.28	679	975	975	CONC	0.15	59.0	101.900	102.875	105.406	867.9562	1.1625	0.8459	0.783	
To STREET 19, Pipe 429 - 431					7.71					3.48				0.00				0.00		19.26																	
STREET 18																																					
	523	524	0.51	0.68	0.96	0.96			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	74	450	450	CONC	0.20	85.5	102.594	103.044	105.545	127.5033	0.8017	1.7775	0.581	
	524	525	0.49	0.68	0.93	1.89			0.00	0.00			0.00	0.00			0.00	0.00	11.78	70.59	95.66	112.09	163.79	133	525	525	CONC	0.20	90.5	102.348	102.873	105.406	192.3297	0.8885	1.6977	0.694	
To STREET 17, Pipe 525 - 531					1.89					0.00				0.00				0.00		13.48																	
Contribution From STREET 20, Pipe 413 - 414					0.53					0.00				0.00				0.00		11.17																	
	414	415	0.20	0.68	0.38	0.91			0.00	0.00			0.00	0.00			0.00	0.00	11.17	72.57	98.37	115.29	168.49	66	600	600	CONC	0.15	64.0	102.402	103.002	105.536	237.8056	0.8411	1.2682	0.277	
To STREET 16, Pipe 415 - 429					0.91					0.00				0.00				0.00		12.44																	
STREET 20																																					
	413	414	0.28	0.68	0.53	0.53			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	41	450	450	CONC	0.20	56.5	102.690	103.140	105.644	127.5033	0.8017	1.1746	0.319	
To STREET 18, Pipe 414 - 415					0.53					0.00				0.00				0.00		11.17																	
	520	521	0.54	0.68	1.02	1.02			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	78	450	450	CONC	0.20	85.5	102.711	103.161	105.662	127.5033	0.8017	1.7775	0.615	
	521	522	0.45	0.68	0.85	1.87			0.00	0.00			0.00	0.00			0.00	0.00	11.78	70.59	95.66	112.09	163.79	132	525	525	CONC	0.20	85.5	102.286	102.811	105.516	192.3297	0.8885	1.6039	0.687	
To STREET 17, Pipe 522 - 525					1.87					0.00				0.00				0.00		13.38																	
STREET 21																																					
	512	513			0.00	0.00	0.34	0.68	0.64	0.64			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	67	375	375	PVC	0.30	54.0	103.143	103.518	106.048	96.0323	0.8695	1.0351	0.697	
To STREET 22, Pipe 513 - 514					0.00					0.64				0.00				0.00		11.04																	
	510	511			0.00	0.00	0.44	0.68	0.83	0.83			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	87	450	450	CONC	0.20	48.0	102.437	102.887	104.245	127.5033	0.8017	0.9979	0.680	
	511	513			0.00	0.00	0.47	0.68	0.89	1.72			0.00	0.00			0.00	0.00	11.00	73.17	99.20	116.26	169.92	171	675	675	CONC	0.15	71.0	102.116	102.791	106.088	325.5584	0.9098	1.3007	0.524	
To STREET 22, Pipe 513 - 514					0.00					1.72				0.00				0.00		12.30																	
	308	309	0.19	0.68	0.36	0.36			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	28	300	300	PVC	0.35	20.0	103.870	104.170	106.670	57.2089	0.8093	0.4119	0.482	
	309	310	0.06	0.68	0.11	0.47			0.00	0.00			0.00	0.00			0.00	0.00	10.41	75.26	102.07	119.64	174.88	36	300	300	PVC	0.35	17.0	103.770	104.070	106.630	57.2089	0.8093	0.3501	0.622	
	310	313	0.29	0.68	0.55	1.02			0.00	0.00			0.00	0.00			0.00	0.00	10.76	74.00	100.33	117.60	171.88	76	450	450	CONC	0.20	65.0	103.560	104.010	106.595	127.5033	0.8017	1.3513	0.592	
To STREET 21, Pipe 313 - 314					1.02					0.00				0.00				0.00		12.11																	
	406	407			0.00	0.00	0.43	0.68	0.81	0.81			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	85	450	450	CONC	0.20	64.5	103.077	103.527	106.036	127.5033	0.8017	1.3409	0.664	
Contribution From STREET 23, Pipe 405 - 407					2.42					0.00				0.00				0.00		14.42																	
	407	408			0.00	2.42	0.25	0.68	0.47	1.29			0.00	0.00			0.00	0.00	14.42	63.17	85.48	100.11	146.21	263	675	675	CONC	0.20	39.0	102.717	103.392	105.900	375.9224	1.0505	0.6187	0.699	
	408	409			0.00	2.42	0.08	0.68	0.15	1.44			0.00	0.00			0.00	0.00	15.04	61.68	83.43	97.70	142.68	269	675	675	CONC	0.20	19.0	102.609	103.284	105.820	375.9224	1.0505	0.3014	0.716	
To STREET 16, Pipe 409 - 410					2.42					1.44				0.00				0.00		15.34																	
STREET 23																																					
	503	505	0.23	0.68	0.43	0.43			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	33	450	450	CONC	0.20	51.0	103.420	103.870	106.372	127.5033	0.8017	1.0603	0.262	
To STREET 26, Pipe 505 - 506					0.43					0.00				0.00				0.00		11.06																	
	504	505	0.12	0.68	0.23	0.23			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	17	450	450	CONC	0.20	25.5	103.360	103.810	106.313	127.5033	0.8017	0.5301	0.137	
To STREET 26, Pipe 505 - 506					0.23					0.00				0.00				0.00		10.53																	
	508	509	0.23	0.68	0.43	0.43			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	33	450	450	CONC	0.20	60.5	103.166	103.616	106.125	127.5033	0.8017	1.2578	0.262	
To STREET 22, Pipe 509 - 513					0.43					0.00				0.00				0.00		11.26																	
	402	403			0.00	0.00			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	0	300	300	PVC	0.35	14.0	103.369	103.669	106.124	57.2089	0.8093	0.2883	0.000	
	403	404	0.09	0.68	0.17	0.17			0.00	0.00			0.00	0.00			0.00	0.00	10.29	75.72	102.69	120.38	175.97	13	300	300	PVC	0.35	13.0	103.290	103.590	106.090	57.2089	0.8093	0.2677	0.225	
	500	501	0.70	0.68	1.32	1.32			0.00	0.00			0.00	0.00			0.00	0.00	10.00	76.81	104.19	122.14	178.56	102	450	450	CONC	0.25	100.5	103.491	103.941	106.397	142.5531	0.8963	1.8688	0.713	
	501	502	0.14	0.68	0.26	1.59			0.00	0.00			0.00	0.00			0.00	0.00	11.87	70.30	95.26	111.62	163.11	112	450	450	CONC	0.30	13.0	103.019	103.660	106.220	156.1591	0.9819	0.2207	0.715	
	502	509	0.51	0.68	0.96	2.55			0.00	0.00			0.00	0.00			0.00	0.00																			

		Local Roads Return Frequency = 2 years
		Collector Roads Return Frequency = 5 years
Manning	0.013	Arterial Roads Return Frequency = 10 years

Definitions: Q = 2.78 AI _R , where Q = Peak Flow in Litres per second (L/s) A = Arcas in hectares (ha) I = Rainfall Intensity (mm/h) R = Runoff Coefficient	Notes: 1) Ottawa Rainfall-Intensity Curve 2) Min. Velocity = 0.80 m/s	Designed: M.S. Checked: W.L.	PROJECT: STITTVILLE SOUTH URBAN EXPANSION AREA			
			LOCATION: City of Ottawa			
		Dwg. Reference: Storm Servicing Plan, Servicing Profiles	File Ref: 21-1247		Date: 25 Sep 2025	Sheet No. SHEET 6 OF 7

STORM SEWER CALCULATION SHEET (RATIONAL METHOD)

Local Roads Return Frequency = 2 years
Collector Roads Return Frequency = 5 years
Manning 0.013 Arterial Roads Return Frequency = 10 years

LOCATION			AREA (Ha)																FLOW										SEWER DATA									
			2 YEAR				5 YEAR				10 YEAR				100 YEAR				Time of	Intensity	Intensity	Intensity	Intensity	Peak Flow	DIA. (mm)	DIA. (mm)	TYPE	SLOPE	LENGTH	INV	OBV	T/G	CAPACITY	VELOCITY	TIME OF	RATIO		
Location	From Node	To Node	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	AREA (Ha)	R	Indiv. 2.78 AC	Accum. 2.78 AC	Conc. (min)	2 Year (mm/h)	5 Year (mm/h)	10 Year (mm/h)	100 Year (mm/h)	Q (l/s)	(actual)	(nominal)		(%)	(m)	UPS	UPS	UPS	(l/s)	(m/s)	LOW (min)	Q/Q full		
Contribution From STREET 16, Pipe 415 - 429					7.71					3.48				0.00				0.00	19.26																			
Contribution From STREET 16, Pipe 424 - 429					3.33					5.03				0.00				0.00	15.73																			
Contribution From STREET 14, Pipe 428 - 429					2.55					0.00				0.00				0.00	14.19																			
429	431	0.19	0.68	0.36	13.95				0.00	8.51			0.00	0.00			0.00	19.26	53.25	71.91	84.16	122.81	1355	1350	1350	CONC	0.11	64.0	101.303	102.653	105.290	1770.2160	1.2367	0.8625	0.765			
To STREET 17, Pipe 431 - 432					13.95					8.51				0.00				0.00	20.13																			
STREET 17																																						
Contribution From STREET 19, Pipe 429 - 431					13.95					8.51				0.00				0.00	20.13																			
Contribution From STREET 19, Pipe 430 - 431					0.83					0.00				0.00				0.00	11.43																			
431	432	0.18	0.68	0.34	15.12				0.00	8.51			0.00	0.00			0.00	20.13	51.83	69.97	81.89	119.47	1379	1350	1350	CONC	0.11	50.5	100.892	102.242	105.161	1770.2160	1.2367	0.6806	0.779			
432	433	0.14	0.68	0.26	15.39				0.00	8.51			0.00	0.00			0.00	20.81	50.77	68.53	80.19	116.98	1364	1350	1350	CONC	0.11	13.5	100.776	102.126	105.066	1770.2160	1.2367	0.1819	0.771			
		0.48	0.68	0.91	16.30				0.00	8.51			0.00	0.00			0.00	0.00																				
433	434	0.68	0.68	1.29	17.58				0.00	8.51			0.00	0.00			0.00	20.99	50.49	68.15	79.74	116.34	1467	1350	1350	CONC	0.11	97.0	100.701	102.051	105.042	1770.2160	1.2367	1.3072	0.829			
To EAST POND INLET, Pipe 434 - HW4										8.51				0.00				0.00	22.30																			
Contribution From STREET 19, Pipe 517 - 519					6.81					2.36				0.00				0.00	16.46																			
Contribution From STREET 19, Pipe 518 - 519					0.49					0.00				0.00				0.00	11.04																			
519	522	0.20	0.68	0.38	7.68				0.00	2.36			0.00	0.00			0.00	16.46	58.52	79.12	92.63	135.24	636	1050	1050	CONC	0.15	60.0	101.448	102.498	105.470	1057.6053	1.2214	0.8187	0.601			
Contribution From STREET 20, Pipe 521 - 522					1.87					0.00				0.00				0.00	13.38																			
522	525	0.24	0.68	0.45	10.00				0.00	2.36			0.00	0.00			0.00	17.28	56.86	76.85	89.97	131.33	750	1050	1050	CONC	0.15	65.0	101.207	102.257	105.355	1057.6053	1.2214	0.8870	0.709			
Contribution From STREET 18, Pipe 524 - 525					1.89					0.00				0.00				0.00	13.48																			
525	531	0.15	0.68	0.28	12.17				0.00	2.36			0.00	0.00			0.00	18.17	55.18	74.55	87.26	127.36	848	1200	1200	CONC	0.15	60.0	100.959	102.159	105.226	1509.9717	1.3351	0.7490	0.562			
Contribution From STREET 19, Pipe 529 - 531					2.50					0.00				0.00				0.00	14.56																			
Contribution From STREET 19, Pipe 530 - 531					1.08					0.00				0.00				0.00	12.14																			
		0.08	0.68	0.15	15.90					2.36			0.00	0.00			0.00	0.00																				
531	532			0.00	15.90		0.43	0.40		0.48	2.84		0.00	0.00			0.00	18.91	53.84	72.73	85.12	124.22	1063	1200	1200	CONC	0.15	51.0	100.849	102.049	105.106	1509.9717	1.3351	0.6367	0.704			
532	533	0.02	0.68	0.04	15.94				0.00	2.84			0.00	0.00			0.00	19.55	52.76	71.25	83.39	121.67	1043	1200	1200	CONC	0.15	13.0	100.742	101.942	105.000	1509.9717	1.3351	0.1623	0.691			
533	534	0.26	0.68	0.49	16.43				0.00	2.84			0.00	0.00			0.00	19.71	52.50	70.89	82.96	121.04	1064	1200	1200	CONC	0.15	65.0	100.692	101.892	104.980	1509.9717	1.3351	0.8114	0.705			
To EAST POND INLET, Pipe 534 - HW5					16.43					2.84				0.00				0.00	20.53																			
EAST POND INLET																																						
Contribution From STREET 17, Pipe 433 - 434					17.58					8.51				0.00				0.00	22.30																			
434	HW4			0.00	17.58				0.00	8.51			0.00	0.00			0.00	22.30	48.61	65.58	76.73	111.91	1412	1350	1350	CONC	0.15	22.5	100.534	101.884	104.894	2067.1669	1.4442	0.2597	0.683			
Contribution From STREET 17, Pipe 533 - 534					16.43					2.84				0.00				0.00	20.53																			
534	HW5			0.00	16.43				0.00	2.84			0.00	0.00			0.00	20.53	51.20	69.12	80.88	118.00	1037	1200	1200	CONC	0.15	22.5	100.534	101.734	104.894	1509.9717	1.3351	0.2809	0.687			