

STORM WATER MANAGEMENT SUMMARY TABLE								
CONTROL LOCATION	POST DEVELOPMENT DRAINAGE NUMBER	TOTAL ROOF MAX FLOW (L/sec)	TOTAL ROOF STORAGE VOLUME (m3)	MAX HEAD (m)	TYPE	NUMBER OF DRAINS	MANUFACTURER	MODEL
TOWER B1	B1	7.6 L/sec	46.4 m3	0.15	FLOW CONTROLLED ROOF DRAIN	4	WATTS	ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION
TOWER B2	B2	7.6 L/sec	46.4 m3	0.15	FLOW CONTROLLED ROOF DRAIN	4	WATTS	ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION
TOWER B3	B3	7.6 L/sec	46.4 m3	0.15	FLOW CONTROLLED ROOF DRAIN	4	WATTS	ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION
TOWER B4	B4	7.6 L/sec	39.5 m3	0.15	FLOW CONTROLLED ROOF DRAIN	4	WATTS	ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION

WATERMAIN / SEWER CROSSING TABLE												
LOCATION	FINISHED GRADE (m)	SANITARY SEWER			STORM SEWER			WATERMAIN			CLEARANCES (mm)	NOTES
		INV ELEV (m)	DIA (mm)	OBV ELEV (m)	INV ELEV (m)	DIA (mm)	OBV ELEV (m)	INV ELEV (m)	DIA (mm)	OBV ELEV (m)		
1	51.26				48.84	300	49.15	48.66	200	48.86	500	WATER BELOW SEWER. CITY STD. W25
2	51.38	46.50	375	46.88				48.78	200	48.98	1900	
3	51.38				48.75	300	49.06	48.78	200	48.98	500	
4	51.60	46.56	375	46.93				49.00	200	49.20	2070	
5	52.05				48.18	375	48.76	49.45	200	49.65	690	
6	52.26	46.73	375	47.10				49.66	200	49.86	2560	
7	52.10				48.15	375	48.72	49.50	200	49.70	780	
8	52.33	46.78	EX-300	47.08				49.73	200	49.93	2650	

STRUCTURE TABLE						
STRUCTURE NUMBER	TYPE	STRUCTURE				Comment
		SIZE	REFERENCE	FRAME	COVER	
STMMH 200	STORM	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	
STMMH 201	STORM	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	
STMMH 202	STORM	money	OPSD 701.010	Ottawa S25	Ottawa S24.1	
STMMH 203	STORM	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	EF08
SANMH 100	SANITARY	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24	
SANMH 101	SANITARY	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24	
SANMH 102	SANITARY	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24	
SANMH 103	SANITARY	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24	

STORM CATCHBASIN STRUCTURE TABLE						
CB#	TOP OF GRATE ELV.	INVERTS	REFERENCE	FRAME	COVER	ICD
CB1	50.93	SE=49.53 (200mm)	OPSD 705.010	S19	S19	IPEX TEMPEST TYPE-A (94mm DIA)
CB2	51.58	SE=50.18 (200mm)	OPSD 705.010	S19	S19	IPEX TEMPEST TYPE-A (94mm DIA)
CB3	53.10	NW=51.70 (200mm)	OPSD 705.010	S19	S19	IPEX TEMPEST TYPE-A (94mm DIA)

TOWER B1 WATERMAIN TABLE				
STATION	DESCRIPTION	GROUND ELEVATION (m)	TOP OF WATERMAIN. ELEV (m)	
			PROPOSED (m)	AS-BUILT (m)
0+000	400x200 TVS	51.62	48.93±	
	400 VALVE & VALVE CHAMBER (W2)	51.62	48.93±	
	400x200 TVS	51.62	48.93±	
0+005.7	11.25° HORIZONTAL BEND	51.31	48.91	
0+006.6	45° VERTICAL BEND			
	CROSSING UNDER STORM SEWER AS PER W25	51.26	48.34	
	45° VERTICAL BEND			
0+010.9	CROSSING SANITARY SEWER	51.38	48.98	
0+013.6	200 VALVE AND VALVE BOX	51.43	49.03	
	200 VALVE AND VALVE CHAMBER (W3)	51.43	49.03	
0+014.3	45° HORIZONTAL BEND	51.47	49.07	
0+015.3	45° HORIZONTAL BEND	51.47	49.07	
	200x200 TEE	51.44	49.04	
0+016.3	CAP - FROM BUILDING	51.46	49.06	

TOWER B2 WATERMAIN TABLE				
STATION	DESCRIPTION	GROUND ELEVATION (m)	TOP OF WATERMAIN. ELEV (m)	
			PROPOSED (m)	AS-BUILT (m)
0+000	400x200 TVS	51.80	49.07±	
	400 VALVE & VALVE CHAMBER (W2)	51.80	49.07±	
	400x200 TVS	51.80	49.07±	
0+003.1	11.25° HORIZONTAL BEND	51.55	49.15	
0+007.3	45° VERTICAL BEND			
	CROSSING UNDER STORM SEWER AS PER W25	51.37	48.25	
	45° VERTICAL BEND			
0+011.9	CROSSING SANITARY SEWER	51.61	49.21	
0+015.0	200 VALVE AND VALVE BOX	51.67	49.27	
	200 VALVE AND VALVE CHAMBER (W3)	51.67	49.27	
0+016.0	45° HORIZONTAL BEND	51.72	49.32	
0+017.0	45° HORIZONTAL BEND	51.72	49.32	
	200x200 TEE	51.68	49.28	
0+018.0	CAP - FROM BUILDING	51.70	49.30	

TOWER B3 WATERMAIN TABLE				
STATION	DESCRIPTION	GROUND ELEVATION (m)	TOP OF WATERMAIN. ELEV (m)	
			PROPOSED (m)	AS-BUILT (m)
0+000	400x200 TVS	52.39	49.62±	
	400 VALVE & VALVE CHAMBER (W2)	52.39	49.62±	
	400x200 TVS	52.39	49.62±	
0+007.3	CROSSING UNDER STORM SEWER AS PER W25	52.04	47.68	
0+013.9	CROSSING SANITARY SEWER	52.25	49.85	
0+015.9	200 VALVE AND VALVE BOX	52.23	49.83	
	200 VALVE AND VALVE CHAMBER (W3)	52.23	49.83	
0+016.9	45° HORIZONTAL BEND	52.23	49.83	
0+017.9	45° HORIZONTAL BEND	52.23	49.83	
	200x200 TEE	52.21	49.81	
0+019.0	CAP - FROM BUILDING	52.21	49.81	

TOWER B4 WATERMAIN TABLE				
STATION	DESCRIPTION	GROUND ELEVATION (m)	TOP OF WATERMAIN. ELEV (m)	
			PROPOSED (m)	AS-BUILT (m)
0+000	400x200 TVS	52.41	49.42±	
	400 VALVE & VALVE CHAMBER (W2)	52.41	49.42±	
	400x200 TVS	52.41	49.42±	
0+006.3	CROSSING UNDER STORM SEWER AS PER W25	52.10	47.65	
0+014.0	CROSSING SANITARY SEWER	52.30	49.90	
0+015.9	200 VALVE AND VALVE BOX	52.29	49.89	
	200 VALVE AND VALVE CHAMBER (W3)	52.29	49.89	
0+016.9	45" HORIZONTAL BEND	52.27	49.87	
0+017.9	45" HORIZONTAL BEND	52.26	49.86	
	200x200 TEE	52.25	49.85	
0+018.9	CAP - FROM BUILDING	52.24	49.84	

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