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	WATER BELOW SEWER. CITY STD. W25
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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Pen Table: exp-64.ctb Plotted by: butlers
References: xref-Tblock.dwg

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

JOB BENCH MARK JBM
CITY OF OTTAWA CONTROL MONUMENT 20160007 WITH AN OF ELEVATION=52.51
NORTHING=5040095.91 EASTING=384293.97

TOPOGRAPHIC INFORMATION
PART OF LOT 30, CONCESSION 1 (OLD SURVEY), GEOGRAPHIC TOWNSHIP OF CUMBERLAND, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. O.L.S (TP388Z) SURVEY DATED APRIL 30, 2025. (FINAL AMENDMENT)
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
5	REVISED PER CITY COMMENTS	10/06/26	SAB	BMT
4	REVISED PER CITY COMMENTS	16/03/26	SAB	BMT
3	ISSUED FOR APPROVAL	18/11/25	AAS	BMT
2	ISSUED FOR APPROVAL	25/09/25	AAS	BMT
1	ISSUED FOR APPROVAL	30/05/25	SAB	BMT

SCALE

NORTH

DESIGNED BY: LICENSED PROFESSIONAL ENGINEER J.L. FITZPATRICK 2026-06-11 PROVINCE OF ONTARIO

REVIEWED BY: LICENSED PROFESSIONAL ENGINEER B. M. THOMAS 2026-06-11 PROVINCE OF ONTARIO

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BASEPLAN: SAB
DESIGN: JLF
CHECKED: JLF
CAD: SAB
PROJECT MANAGER: BMT
APPROVED: BMT

PROJECT
1015 TWEDDLE ROAD DEVELOPMENT
1015 TWEDDLE ROAD
OTTAWA, ONTARIO.

TITLE
SERVICING TABLES

PROJECT No. OTT-00259629-A0
SURVEY: AOV
DATE: OCT 2024
DRAWING No. C103

DD02-02-25-0038 & DO7-12-25-0073

#19417