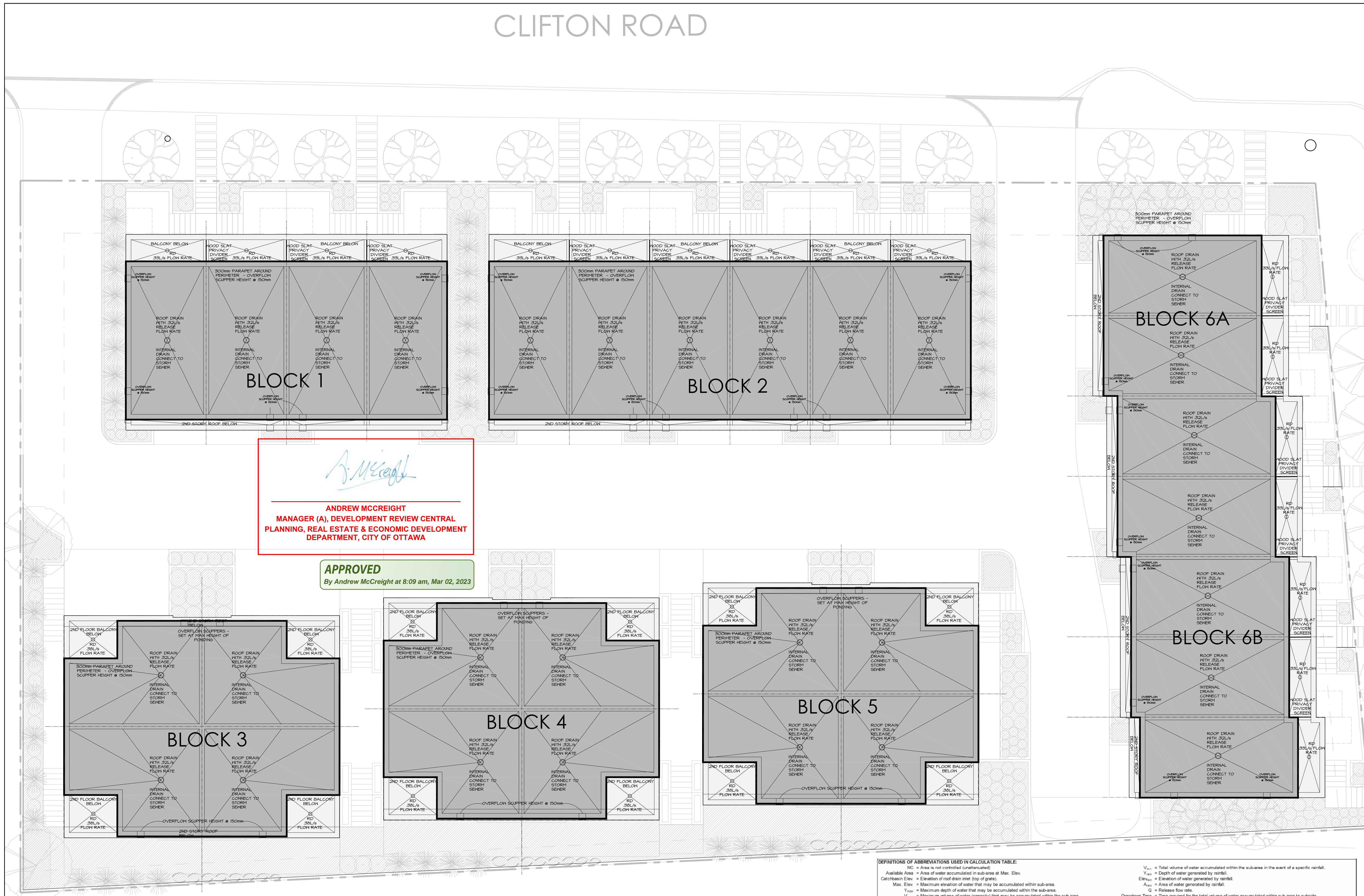


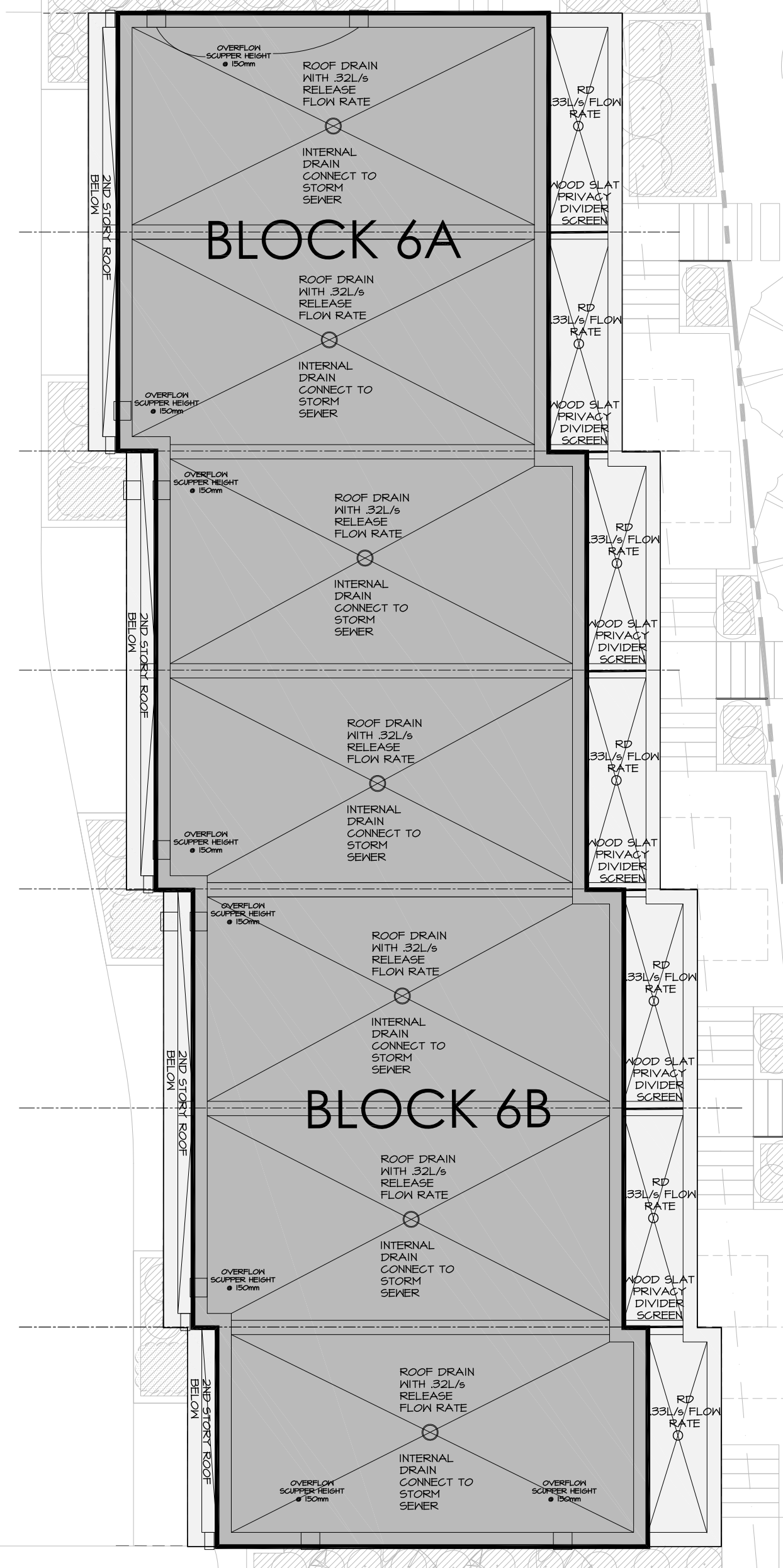
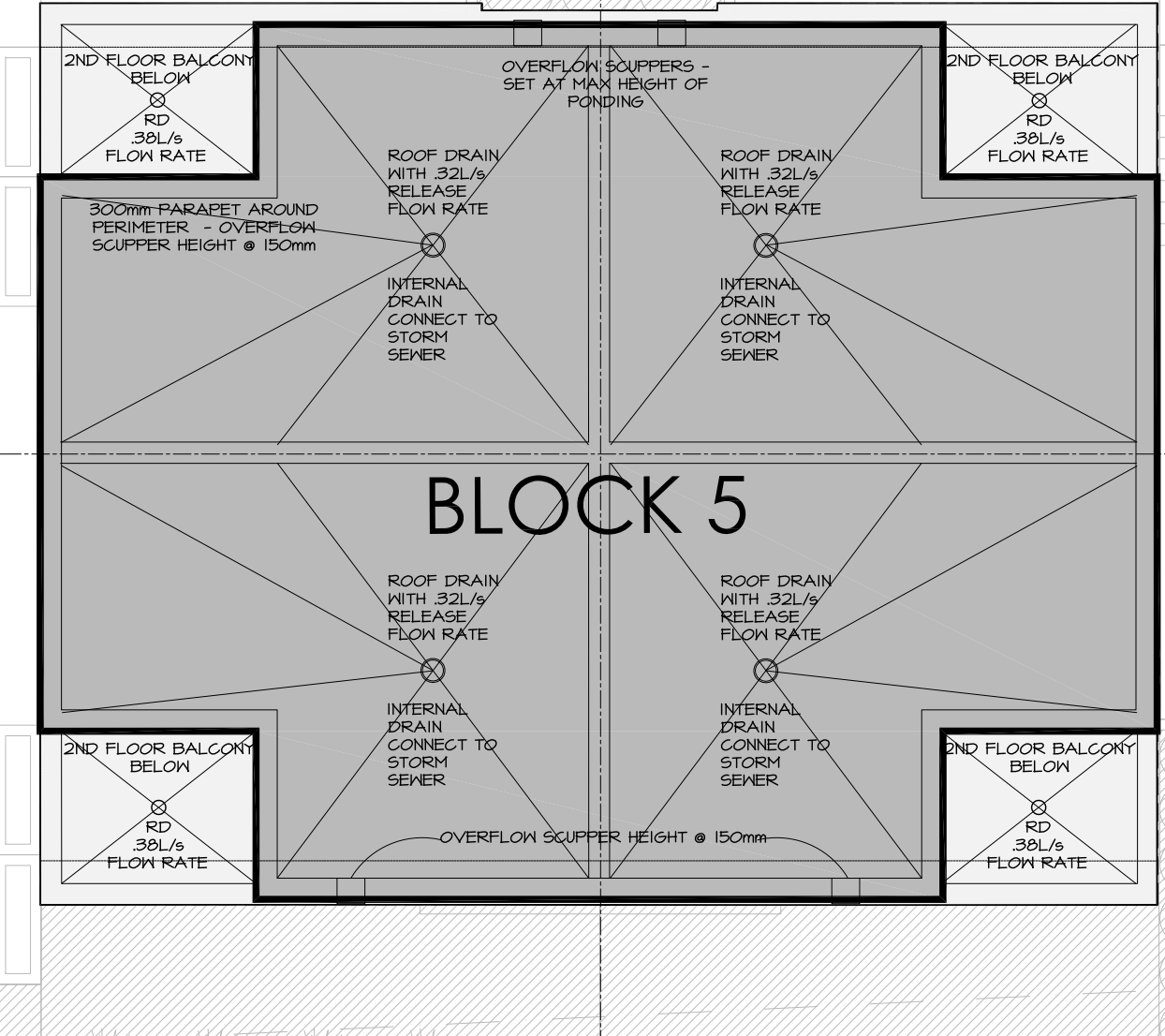
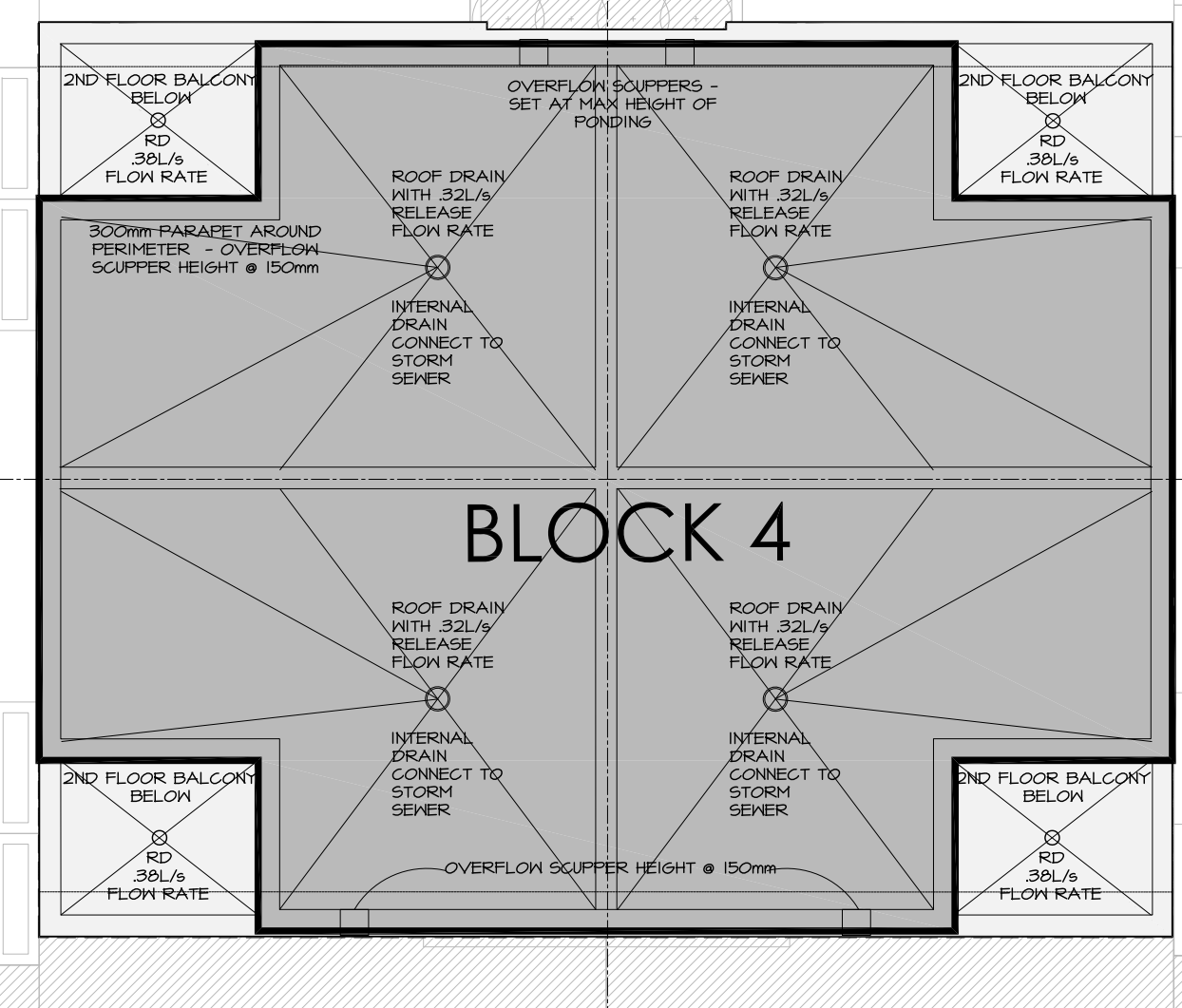
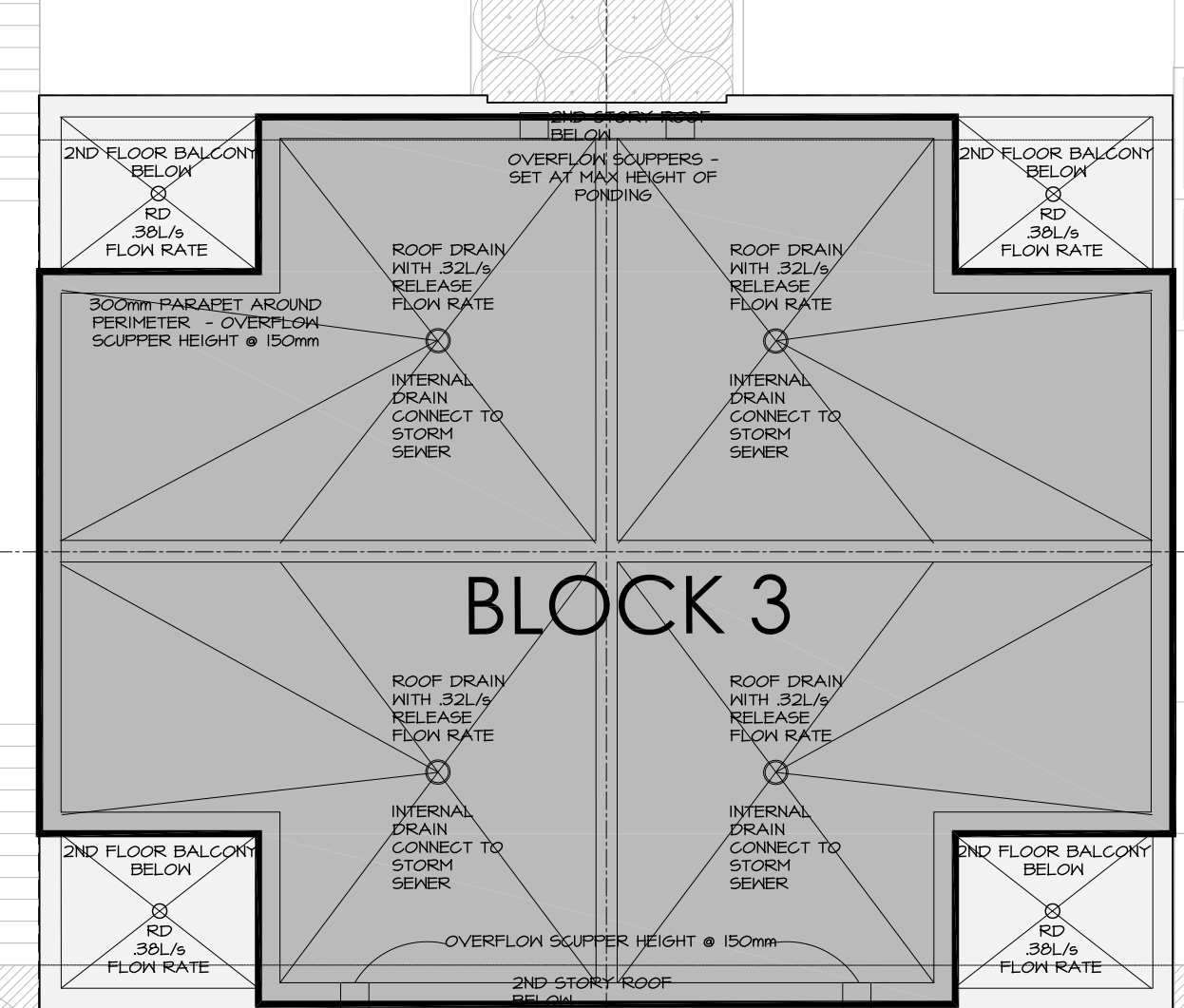
# CLIFTON ROAD



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**APPROVED**  
 By Andrew McCreight at 8:09 am, Mar 02, 2023



**DEFINITIONS OF ABBREVIATIONS USED IN CALCULATION TABLE:**  
 NC = Area is not controlled (unattenuated)  
 Available Area = Area of water accumulated in sub-area at Max. Elev.  
 Catchbasin Elev. = Elevation of roof drain inlet (top of grate).  
 Max. Elev. = Maximum elevation of water that may be accumulated within sub-area.  
 Y<sub>max</sub> = Maximum depth of water that may be accumulated within the sub-area.  
 V<sub>max</sub> = Maximum volume of water (capacity) that may be accumulated within the sub-area.  
 V<sub>gen</sub> = Volume of water generated by rainfall.  
 V<sub>acc</sub> = Total volume of water accumulated within the sub-area in the event of a specific rainfall.  
 Y<sub>acc</sub> = Depth of water generated by rainfall.  
 Elev<sub>max</sub> = Elevation of water generated by rainfall.  
 A<sub>gen</sub> = Area of water generated by rainfall.  
 Q = Release flow rate.  
 Drawdown Time = Time required for the total volume of water accumulated within sub-area to subside.

Sub-Area	Total Area (m <sup>2</sup> )	Available Storage Area (m <sup>2</sup> )	Catchbasin Roof Drain Elevation (m)	Maximum Ponding Elevation (m)	Y <sub>max</sub> (m)	V <sub>gen</sub> (m <sup>3</sup> )	V <sub>acc</sub> (m <sup>3</sup> )	V <sub>max</sub> (m <sup>3</sup> )	Y <sub>acc</sub> (m)	Elev <sub>max</sub> (m)	A <sub>gen</sub> (m <sup>2</sup> )	Q (L/s)	Drawdown Time (min)	Comments
A1.1 to A1.4	42	35	100.00	100.15	3.15	1.8	1.3	1.3	0.13	100.13	30	0.32	35	RD1.1 to RD1.4 (closed)
A1.5 to A1.8	7	0	100.00	100.00	3.00	0.0	0.0	0.0	0.0	100.00	0	0.33	0	RD1.5 to RD1.8 (free flow)
A2.1 to A2.6	42	35	100.00	100.15	3.15	1.8	1.3	1.3	0.13	100.13	30	0.32	35	RD2.1 to RD2.6 (closed)
A2.7 to A2.12	7	0	100.00	100.00	3.00	0.0	0.0	0.0	0.0	100.00	0	0.33	0	RD2.7 to RD2.12 (free flow)
A3.1 to A3.4	42	35	100.00	100.15	3.15	1.8	1.3	1.3	0.13	100.13	30	0.32	35	RD3.1 to RD3.4 (closed)
A3.5 to A3.8	8	0	100.00	100.00	3.00	0.0	0.0	0.0	0.0	100.00	0	0.38	0	RD3.5 to RD3.8 (free flow)
A4.1 to A4.4	42	35	100.00	100.15	3.15	1.8	1.3	1.3	0.13	100.13	30	0.32	35	RD4.1 to RD4.4 (closed)
A4.5 to A4.8	8	0	100.00	100.00	3.00	0.0	0.0	0.0	0.0	100.00	0	0.38	0	RD4.5 to RD4.8 (free flow)
A5.1 to A5.4	42	35	100.00	100.15	3.15	1.8	1.3	1.3	0.13	100.13	30	0.32	35	RD5.1 to RD5.4 (closed)
A5.5 to A5.8	8	0	100.00	100.00	3.00	0.0	0.0	0.0	0.0	100.00	0	0.38	0	RD5.5 to RD5.8 (free flow)
A6.1 to A6.7	42	35	100.00	100.15	3.15	1.8	1.3	1.3	0.13	100.13	30	0.32	35	RD6.1 to RD6.7 (closed)
A6.8 to A6.14	7	0	100.00	100.00	3.00	0.0	0.0	0.0	0.0	100.00	0	0.33	0	RD6.8 to RD6.14 (free flow)

Sub-Area	Total Area (m <sup>2</sup> )	Available Storage Area (m <sup>2</sup> )	Catchbasin Roof Drain Elevation (m)	Maximum Ponding Elevation (m)	Y <sub>max</sub> (m)	V <sub>gen</sub> (m <sup>3</sup> )	V <sub>acc</sub> (m <sup>3</sup> )	V <sub>max</sub> (m <sup>3</sup> )	Y <sub>acc</sub> (m)	Elev <sub>max</sub> (m)	A <sub>gen</sub> (m <sup>2</sup> )	Q (L/s)	Drawdown Time (min)	Comments
A1.1 to A1.4	42	35	100.00	100.15	0.15	1.8	0.6	0.6	0.08	100.08	20	0.32	29	RD1.1 to RD1.4 (closed)
A1.5 to A1.8	7	0	100.00	100.00	0.00	0.0	0.0	0.0	0.0	100.00	0	0.33	0	RD1.5 to RD1.8 (free flow)
A2.1 to A2.6	42	35	100.00	100.15	0.15	1.8	0.6	0.6	0.08	100.08	20	0.32	29	RD2.1 to RD2.6 (closed)
A2.7 to A2.12	7	0	100.00	100.00	0.00	0.0	0.0	0.0	0.0	100.00	0	0.33	0	RD2.7 to RD2.12 (free flow)
A3.1 to A3.4	42	35	100.00	100.15	0.15	1.8	0.6	0.6	0.08	100.08	20	0.32	29	RD3.1 to RD3.4 (closed)
A3.5 to A3.8	8	0	100.00	100.00	0.00	0.0	0.0	0.0	0.0	100.00	0	0.38	0	RD3.5 to RD3.8 (free flow)
A4.1 to A4.4	42	35	100.00	100.15	0.15	1.8	0.6	0.6	0.08	100.08	20	0.32	29	RD4.1 to RD4.4 (closed)
A4.5 to A4.8	8	0	100.00	100.00	0.00	0.0	0.0	0.0	0.0	100.00	0	0.38	0	RD4.5 to RD4.8 (free flow)
A5.1 to A5.4	42	35	100.00	100.15	0.15	1.8	0.6	0.6	0.08	100.08	20	0.32	29	RD5.1 to RD5.4 (closed)
A5.5 to A5.8	8	0	100.00	100.00	0.00	0.0	0.0	0.0	0.0	100.00	0	0.38	0	RD5.5 to RD5.8 (free flow)
A6.1 to A6.7	42	35	100.00	100.15	0.15	1.8	0.6	0.6	0.08	100.08	20	0.32	29	RD6.1 to RD6.7 (closed)
A6.8 to A6.14	7	0	100.00	100.00	0.00	0.0	0.0	0.0	0.0	100.00	0	0.33	0	RD6.8 to RD6.14 (free flow)

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no. date revision

It is the responsibility of the appropriate contractor to check and verify all dimensions on site and report all errors and/or omissions to the architect.

All contractors must comply with all pertinent codes and by-laws.

Do not scale drawings.

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