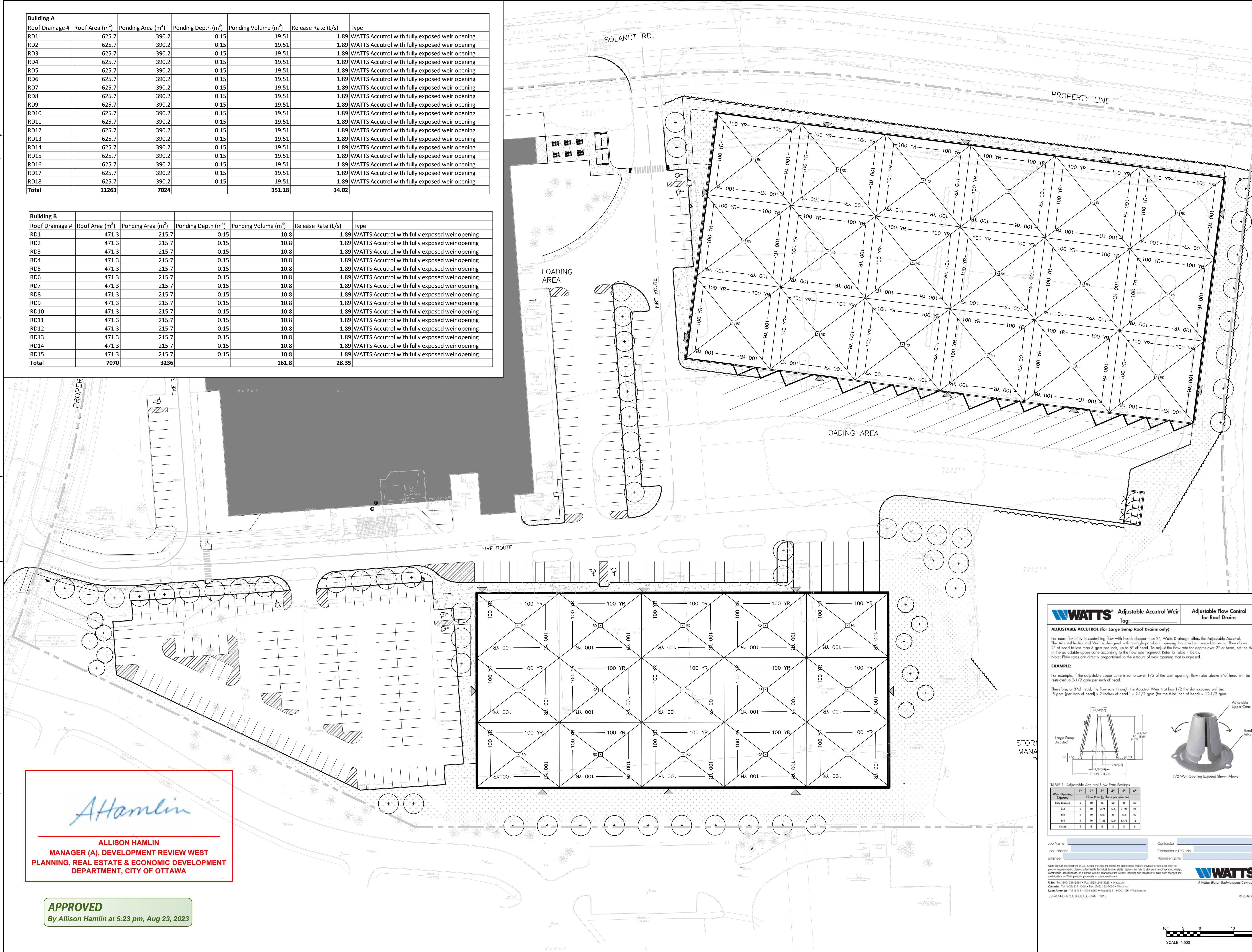


Building A	Roof Drainage #	Roof Area (m ²)	Ponding Area (m ²)	Ponding Depth (m)	Ponding Volume (m ³)	Release Rate (L/s)	Type
	RD1	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD2	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD3	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD4	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD5	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD6	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD7	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD8	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD9	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD10	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD11	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD12	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD13	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD14	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD15	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD16	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD17	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	RD18	625.7	390.2	0.15	19.51	1.89	WATTS Accutrol with fully exposed weir opening
	Total	11263	7024		351.18	34.02	

Building B	Roof Drainage #	Roof Area (m ²)	Ponding Area (m ²)	Ponding Depth (m)	Ponding Volume (m ³)	Release Rate (L/s)	Type
	RD1	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD2	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD3	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD4	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD5	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD6	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD7	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD8	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD9	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD10	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD11	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD12	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD13	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD14	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	RD15	471.3	215.7	0.15	10.8	1.89	WATTS Accutrol with fully exposed weir opening
	Total	7070	3236		161.8	28.35	

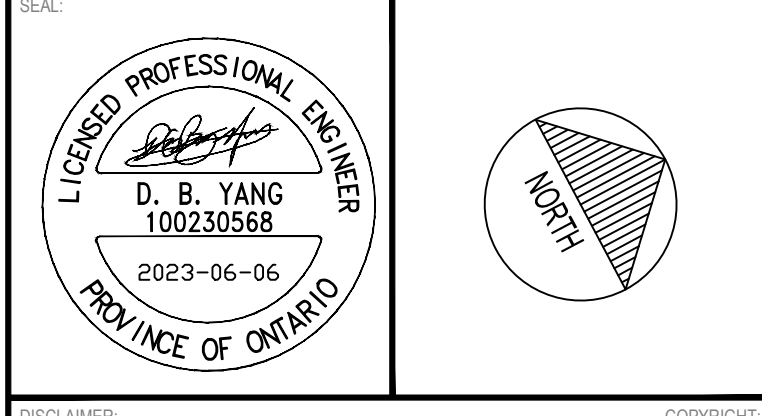


CONSULTANT:
ARCHITECTURE 49
 1345 ROSEMOUNT AVENUE
 CORNWALL, ONTARIO, CANADA K6J 3E5
 TEL: 613-933-5602 | FAX: 613-936-0335 | ARCHITECTURE49.COM

CONSULTANT:
wsp
 1345 ROSEMOUNT AVENUE
 CORNWALL, ONTARIO, CANADA K6J 3E5
 PHONE: 613-933-5602 FAX: 613-936-0335
 WWW.WSP.COM



CLIENT REF # --
 PROJECT:
**415 LEGGET DRIVE
 ACCESS STORAGE**



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ISSUED FOR - REVISION	NO.	DATE	DESCRIPTION
	7	2023/06/06	REVISED AS PER CITY COMMENTS
	6	2023/03/24	REVISED AS PER CITY COMMENTS
	5	2023/01/20	REVISED AS PER CITY COMMENTS
	4	2022/12/01	REVISED AS PER CITY COMMENTS
	3	2022/08/05	REVISED AS PER CITY COMMENTS
	2	2023/03/18	REVISED AS PER CITY COMMENTS
	1	2021/10/25	ISSUED FOR SPCA

PROJECT NO:	DATE:
219-00058-03	JUNE 2023

DISCIPLINE:	TITLE:
CIVIL	ROOF PLAN

WATTS Adjustable Accutrol Weir
 Tag: Adjustable Flow Control for Roof Drains

ADJUSTABLE ACCUTROL (For Large Sump Roof Drains only)

For more flexibility in controlling flow with heads deeper than 2", Watts Drainage offers the Adjustable Accutrol. The Adjustable Accutrol Weir is designed with a single parallel opening that can be covered to restrict flow above 2" of head to less than 3 gpm per inch, up to 2" of head. To adjust the flow rate for depths over 2" of head, set the slot in the adjustable upper cone according to the flow rate required. Refer to Table 1 below.
 Note: Flow rates are directly proportional to the amount of weir opening that is exposed.

EXAMPLE:
 For example, if the adjustable upper cone is set to cover 1/2 of the weir opening, flow rates above 2" of head will be restricted to 2-1/2 gpm per inch of head.
 Therefore, at 3" of head, the flow rate through the Accutrol Weir that has 1/2 the slot exposed will be:
 (3 gpm [per inch of head] x 2 inches of head) + 2-1/2 gpm (for the third inch of head) = 12-1/2 gpm.

TABLE 1 Adjustable Accutrol Flow Rate Settings

Weir Opening Exposed	1"	2"	3"	4"	5"	6"
1/4"	1	2	3	4	5	6
1/2"	1	2	3	4	5	6
3/4"	1	2	3	4	5	6
1"	1	2	3	4	5	6
1 1/4"	1	2	3	4	5	6
1 1/2"	1	2	3	4	5	6
1 3/4"	1	2	3	4	5	6
2"	1	2	3	4	5	6

Job Name: _____ Contractor: _____
 Job Location: _____ Contractor's P.O. No.: _____
 Engineer: _____ Representative: _____

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Allison Hamlin
ALLISON HAMLIN
 MANAGER (A), DEVELOPMENT REVIEW WEST
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT
 DEPARTMENT, CITY OF OTTAWA

APPROVED
 By Allison Hamlin at 5:23 pm, Aug 23, 2023