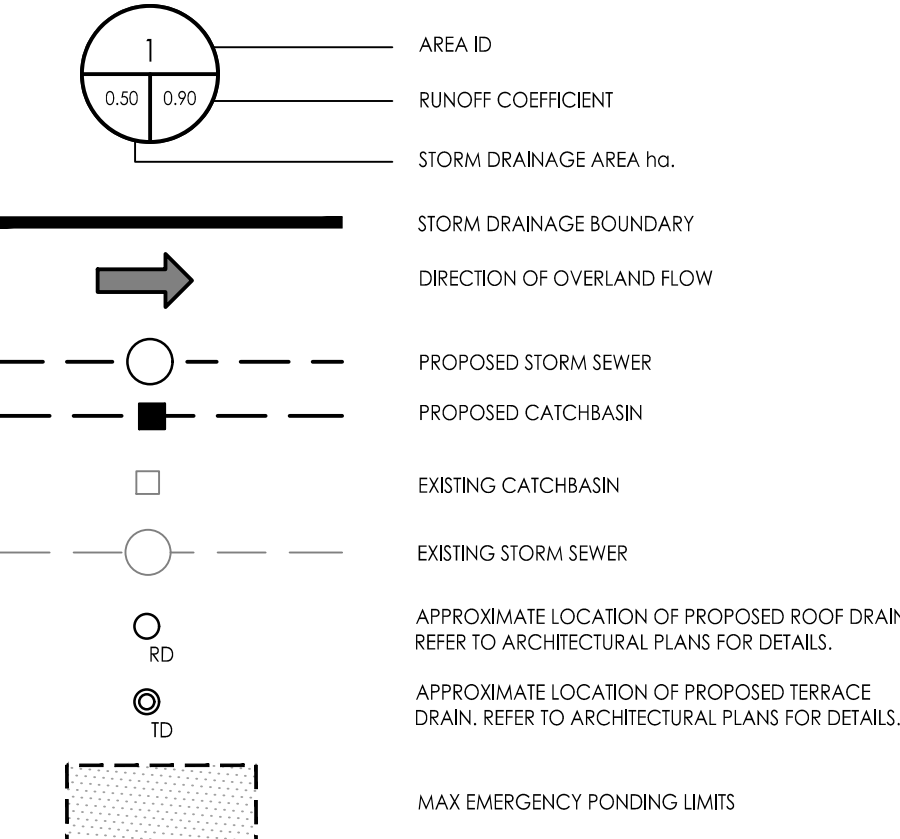


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Legend



Notes

- REQUIRED CISTERN VOLUME 10m³

6	REVISED PER CITY COMMENTS	WJ	DT	25.07.22
5	REVISED PER CITY COMMENTS	WJ	DT	25.04.23
4	REVISED ROAD GEOMETRY	WJ	DT	24.09.18
3	REVISED PER CITY COMMENTS	WJ	DT	24.08.13
2	REVISED PER CITY COMMENTS	WJ	DT	24.05.27
1	ISSUED FOR REVIEW	TM	DT	23.06.12

Revision By Appd. YY.MM.DD

File Name:	160401786 DB.dwg	TM	KK	TM	23.03.15
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project

Project1 Studio

47 BEECHWOOD AVENUE

OTTAWA, ONTARIO, CANADA

Title

STORM DRAINAGE PLAN

Project No.	Scale	0 2 6 10m
160401786	1:200	

Drawing No.	Sheet	Revision
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SD-1 5 of 6 6

PLAN # 19043

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ORIGINAL SHEET - ARCH-D

SPRINGFIELD ROAD

DOUGLAS AVENUE

BEECHWOOD AVENUE

PROPOSED 3 STOREY APARTMENT BUILDING
FF=VARIES (REFER TO GRADING PLAN)
P1 PARKING=53.25
USF=152.48
REFER TO ARCHITECTURAL PLANS FOR TOP ELEVATIONS, TOP TO REMAIN
MIN. 0.15m ABOVE FINISHED GRADE.
MAX 100-YR ROOF RELEASE RATE = 10.8 L/s
TOTAL PEAK FLOW TO CISTERN = 27.7 L/s
MAX 100-YR CISTERN RELEASE RATE = 12.2 L/s
CISTERN VOLUME REQUIRED = 10 m³
SUMP PUMP REQUIRED TO DISCHARGE INTERNAL STORM SEWER AND
FOUNDATION DRAIN. SUMP PUMP REQUIRED FOR PARKADE LEVEL 1.
REFER TO MECHANICAL DRAWINGS FOR DETAILS.
PROPOSED BUILDING TO BE EQUIPPED WITH PRESSURE REDUCING
VALVES AS PER THE ONTARIO BUILDING CODE.

SCHEDULE OF ROOF RELEASE RATES						
DRAINAGE AREA ID	DRAIN TYPE	# DRAINS	2YR HEAD (m)	100 YEAR HEAD (m)	2YR RELEASE RATE (L/s)	100 YEAR RELEASE RATE (L/s)
BLDG	WATTS R1100 ACCUTROL (23% OPEN)	12	0.08	0.14	8.8	10.8