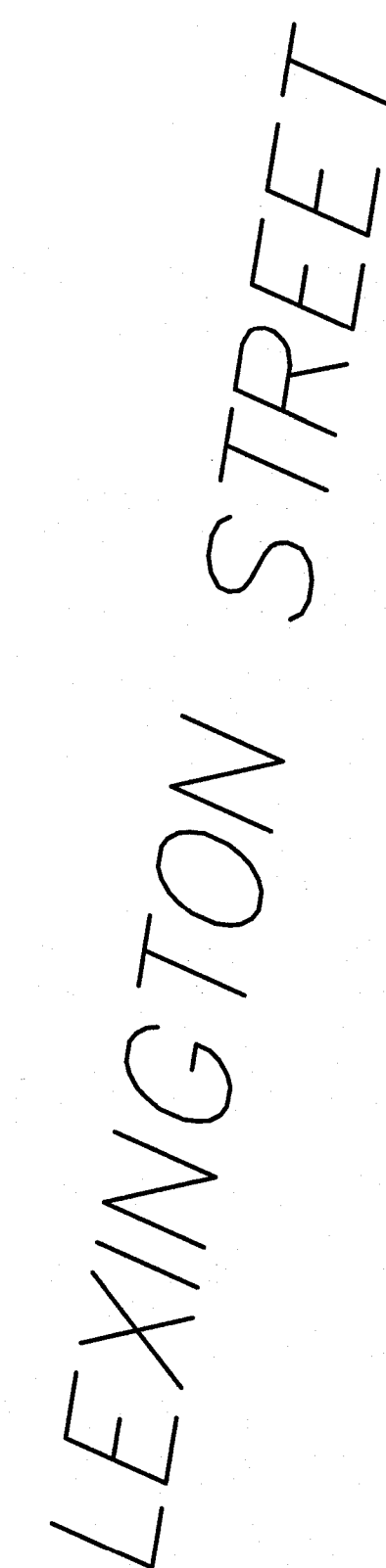
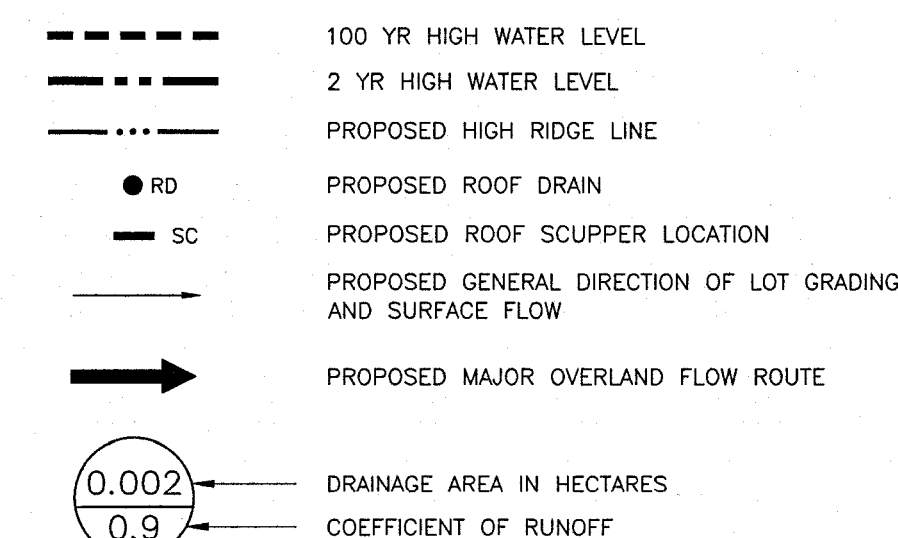




The site plan illustrates the layout of the proposed 4-storey mid-rise multi-unit building. The building footprint is outlined with a dashed line, and the surrounding area is divided into flood hazard zones. The 100 YR HWL (100-year return period flood) is indicated by a solid line, and the 2 YR HWL (2-year return period flood) is indicated by a dashed line. The return periods for the flood zones are labeled as RD#1, RD#2, and RD#3. The building is situated on a plot bounded by a solid line, with a north arrow pointing towards the top right. The plan also shows the building's orientation, with the entrance facing the street. The building is labeled 'PROPOSED 4-STORY MID-RISE MULTI UNIT BUILDING' and 'RD#3' is marked near the entrance. The flood hazard zones are labeled '100 YR HWL' and '2 YR HWL' along the boundaries. The return periods are labeled 'RD#1', 'RD#2', and 'RD#3' near the building. The plan also shows the building's orientation, with the entrance facing the street. The building is labeled 'PROPOSED 4-STORY MID-RISE MULTI UNIT BUILDING' and 'RD#3' is marked near the entrance. The flood hazard zones are labeled '100 YR HWL' and '2 YR HWL' along the boundaries. The return periods are labeled 'RD#1', 'RD#2', and 'RD#3' near the building.

5. FOR GRADING AND SERVICING DETAILS OF THIS SITE, REFER TO DWG. No. 824-74, G-1.



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 parabolic opening that can be covered to restrict flow above 2" of head to less than 5 gpm per inch, up to 6" 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.

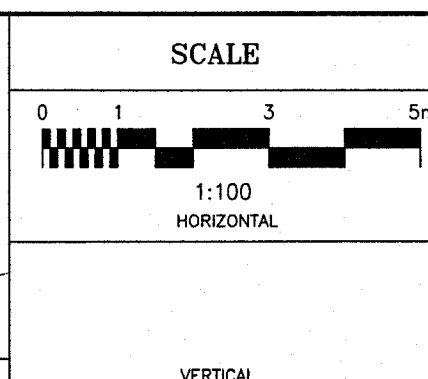
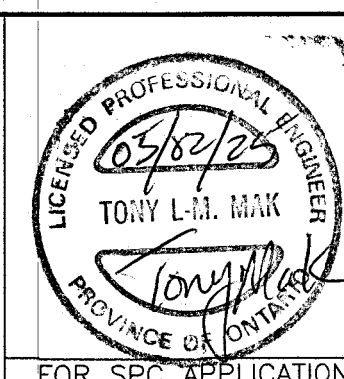
Therefore, at 3" of head, the flow rate through the Accutrol Weir that has 1/2 the slot exposed will be:
[5 gpm (per inch of head) x 2 inches of head] + 2-1/2 gpm (for the third inch of head) = 12-1/2 gpm.

1/2 Weir Opening Exposed Shown Above

TABLE 1. Adjustable Accutrol Flow Rate Settings

Weir Opening Exposed	1"	2"	3"	4"	5"	6"
	Flow Rate (gallons per minute)					
Fully Exposed	5	10	15	20	25	30
3/4	5	10	12.75	17.5	21.25	25
1/2	5	10	12.5	15	17.5	20
1/4	5	10	11.25	12.5	13.75	15
Closed	5	5	5	5	5	5

No.	REVISION	DATE	BY



DESIGN	T.L.M.
CHECKED	T.L.M.
DRAWN BY	P.M.
CHECKED	T.L.M.
APPROVED	T.L.M.

PROJECT	222 BASELINE ROAD PART OF LOT 72 REGISTERED PLAN 526 CITY OF OTTAWA
DRAWING TITLE	PROPOSED STORMWATER MANAGEMENT PLAN

		
T.L. MAK ENGINEERING CONSULTANTS LTD. CONSULTING ENGINEERS		
PROJECT No.	DATE	DRAWING No.
824-74	SEPTEMBER 2024	SWM-1