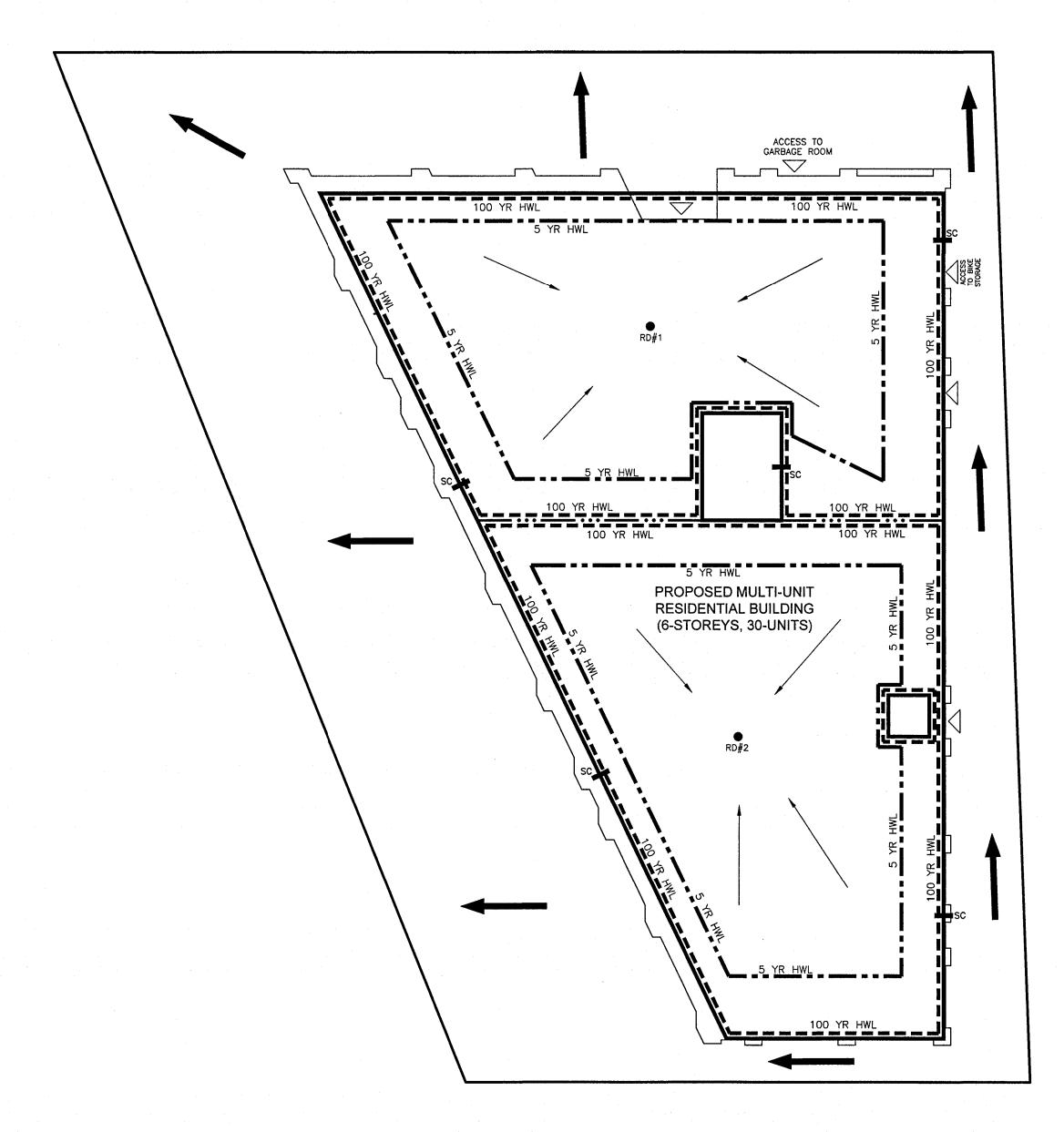


ROOSEVELT AVENUE



NOTES

1. STORMWATER MANAGEMENT NOTES

ROOF DRAIN DETAILS

MODEL TYPE: WATTS MODEL "ADJUSTABLE ACCUTROL WEIR" (MODEL No. RD-100A-ADJ), (WEIR OPENING EXPOSED IS: 1/4 OPENING AS SPECIFIED) TO PERMIT A RELEASE FLOW RATE OF 15.0 US GAL/MIN. OR 0.95 L/s UNDER A HEAD OF UP TO 150mm. AT THE 5-YEAR STORM EVENT AND UNDER A HEAD OF 120mm, THE RELEASE FLOW RATE IS 0.87 L/s OR 13.75 US GAL/MIN.

NUMBER OF CONTROL DEVICES: 1 CONTROLLED ROOF DRAIN PER DESIGNATED ROOF AREA FOR SWM ATTENUATION

FLOW PER ROOF DRAIN: 15.0 U.S. GAL/MIN. OR 0.95 L/s (MAX).

TOTAL FLOW FROM FLAT ROOFTOP OF BUILDING AT MAXIMUM HEAD OF 150mm PER DRAIN AT THE (2) PROPOSED DRAIN LOCATION = 1.90 L/s

DEPTH AND VOLUME:

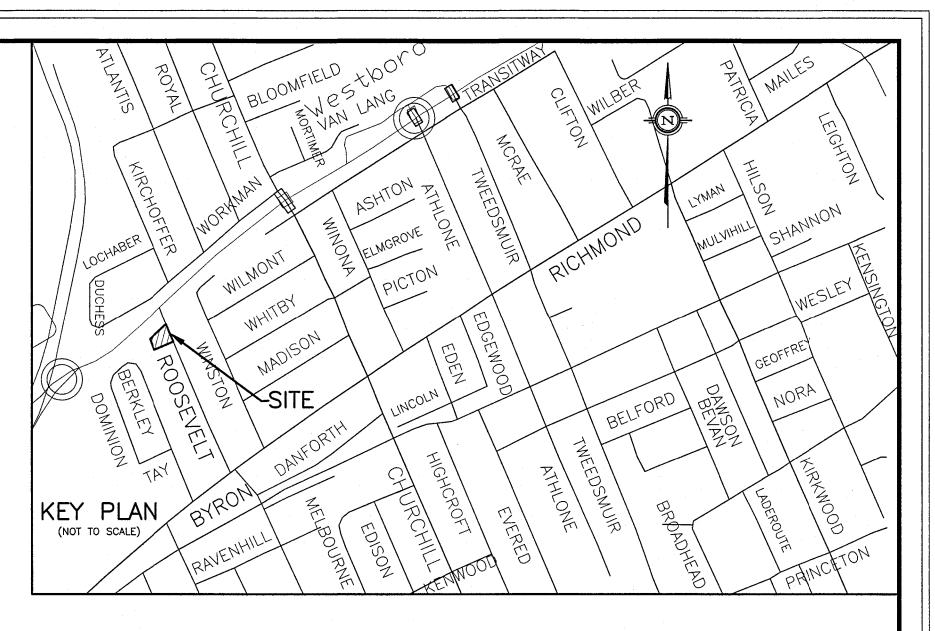
ROOF DRAIN ID & DRAINAGE AREA (ha)	NUMBER OF ROOF DRAINS	WATTS ROOF DRAIN MODEL ID (WEIR OPENING)	CONTROLLED FLOW PER DRAIN (L/s)		APPROXIMATE PONDING DEPTH ABOVE DRAINS (m)		STORAGE VOLUME REQUIRED (m³)		MAX. STORAGE
			5 YR	100 YR	5 YR	100 YR	5 YR	100 YR	AVAILABLE (m³)
RD-1 (0.0149 ha)	1	RD-100-A-ADJ (1/4 OPENING EXPOSED)	0.87	0.95	0.12	0.15	2.10	5.19	7.12
RD-2 (0.0148 ha)	1	RD-100-A-ADJ (1/4 OPENING EXPOSED)	0.87	0.95	0.12	0.15	2.09	5.15	7.42
TOTAL ROOF (0.0297 hg)	2		1.74	1.90	_		4.19	10.34	14.54

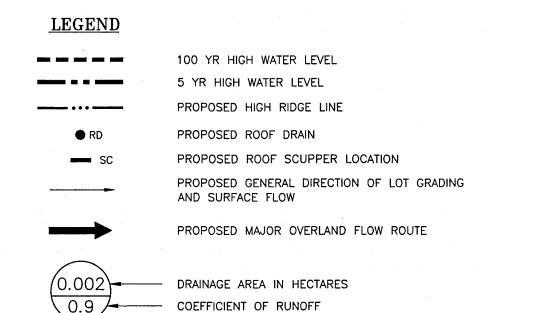
SCUPPER LOCATION: AS SHOWN ON THIS DRAWING

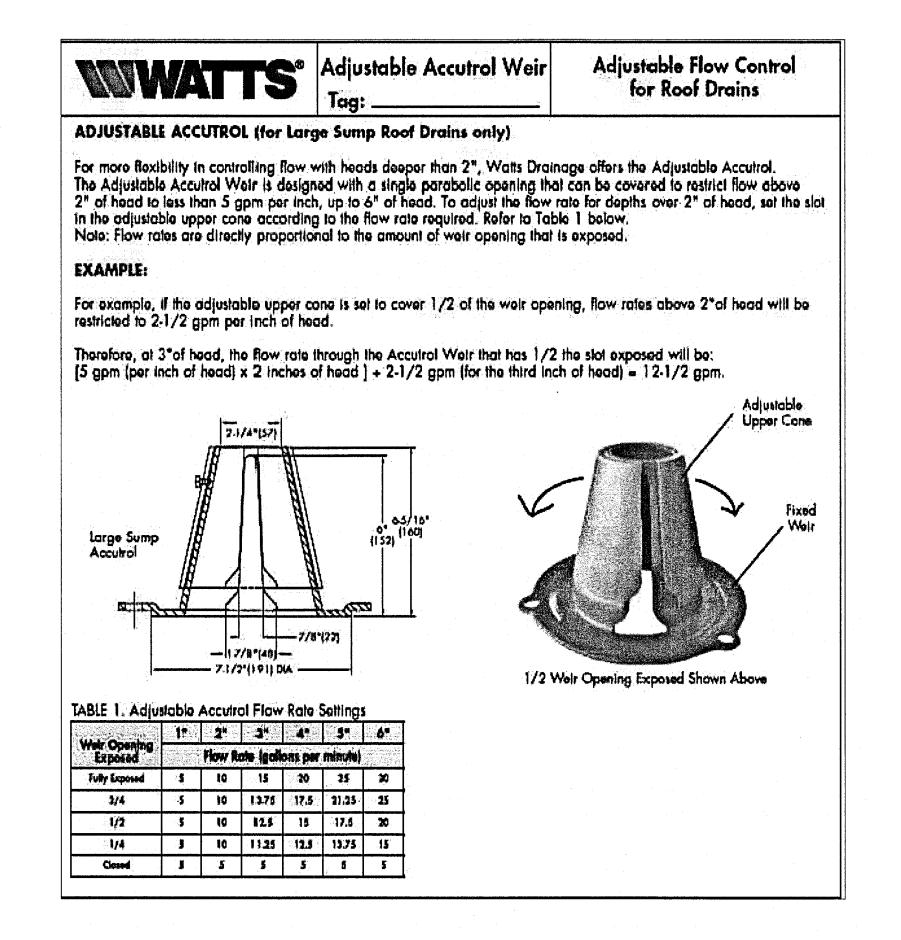
- 5 YEAR ELEVATION: 120mm ABOVE THE ROOF DRAIN FOR ROOF AREA #1 AND #2
- 100 YEAR ELEVATION: 150mm ABOVE THE ROOF DRAIN FOR ROOF AREA #1 AND #2

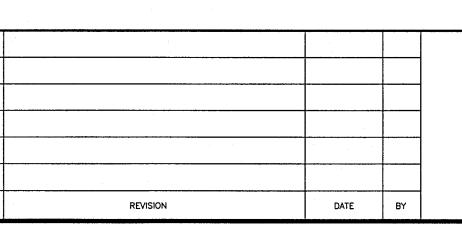
-- EACH ROOF DRAIN SHALL BE SIZED FOR A MAXIMUM RELEASE RATE OF 15.0 U.S. GAL/MIN. OR 0.95 L/s. THE OWNER'S MECHANICAL ENGINEER SHALL SPECIFY THE REQUIRED ROOF DRAIN TYPE AND MODEL No. AND PROVIDE THE NECESSARY INFORMATION TO THE CITY OF OTTAWA FOR THEIR RECORDS TO ENSURE PROPER RELEASE RATE FOR STORMWATER MANAGEMENT COMPLIANCE.

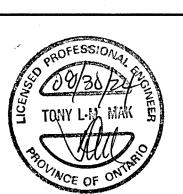
- ROOF PITCH IS ASSUMED TO HAVE 1.5% (MIN.) SLOPE.
- ROOF SCUPPERS ARE RECOMMENDED TO BE INSTALLED 0mm ABOVE EDGE OF ROOFTOP ELEVATION FOR EMERGENCY OVERFLOW PURPOSES AT ROOF AREA #1 AND #2 AT PERIMETER OF BUILDING.
- SEE STORM DRAINAGE REPORT No. R-824-83 DATED AUGUST 2024 FOR DETAILS ALSO.
- 2. PROPOSED ROOF DRAINS AND SCUPPER LOCATIONS SHOWN ON THIS PLAN SHALL BE REVIEWED BY THE OWNER AND OWNER'S BUILDING DESIGNER FOR APPROVAL.
- 3. THE OWNER'S BUILDING DESIGNER AND STRUCTURAL ENGINEER SHALL ENSURE THAT THE ADDITIONAL STORMWATER STORAGE VOLUME FROM STORMWATER MANAGEMENT MEASURES ARE ACCOUNTED FOR IN THE STRUCTURAL DESIGN OF AND WATERPROOFING OF ROOF AREA #1 AND #2 AND ANY OF THE SUPPORTING STRUCTURES THAT MAY BE AFFECTED BY THE STORED WATER.
- 4. ROOF DRAIN #1 AND #2 INCLUSIVE SHALL OUTLET INTO THE DESIGNATED 150mm∅ PVC STORMWATER PIPE AS SHOWN ON THE PROPOSED GRADING AND SERVICING PLAN (DWG No. 824-83, G-1).
- 5. FOR GRADING AND SERVICING DETAILS OF THIS SITE, REFER TO DWG. No. 824-83, G-1.











*****	SCALE	DESIGN	T.L.M.	P	
	0 1 3	5m	CHECKED T.L.M.		
	1:100 HORIZONTAL		DRAWN BY	P.M.	
			CHECKED	T.L.M.	DI
	VERTICAL		APPROVED	T.L.M.	

342 ROOSEVELT AVENUE LOT 36 REGISTERED PLAN 114 CITY OF OTTAWA

PROPOSED STORMWATER MANAGEMENT PLAN

