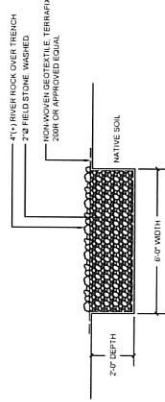




SURFACE	Area		Runoff Coefficient	Q (L/s)
	t ²	m ²		
EXISTING HOTEL	13.156	1,179	0.1129	35
EXISTING RESTAURANT	5.314	499	0.0894	15
NEW PAVED SURFACE	78.678	7,312	0.7213	224
NEW GREEN SPACE	2.401	2,200	0.2504	16
NEW LOT ADDITION	5.403	501	0.0501	15
SITE	127.568	11,882		305

LOT AREA = 1 1632.14 (11.9325mi²)
WATER RETENTION
= 395 - 258.6 LBS
= 136 LBS (201 GPM)
RAINFALL INTENSITY 122.3 mm/hr for 100-YEAR EVENT
DURATION USED 15 MIN
RETENTION REQUIRED
= 391 GPM • 15 MIN
= 4.31 GAL
USING TRENCH W/2' FIELD STONE & 4 FACTOR
REVISED RETENTION REQUIRED = 4.515 GAL (1.09 FT)
= 1172.88 GAL (1.508 FT)
RETENTION PROVIDED = 1.432 FT • 2" • 2"
= 2.864 FT • 2"



URVT
Group Ltd.

[illegible]