

Calculation Sheet

Project 3 Larsen Road
 Client Jack Bennet - Capital Prudential
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 Revision A

Author CF
 Approver OO
 Doc Ref 1

6.0 Post-Development

6.1 Post-Development Catchment

Area (A)	1.16	ha	Input from 3.0 "Allowable Outflow"
Flow Length (L)	0.20	km	
Slope (S)	1.00	m	
	200.00	m	
Horton retardance (n)	0.01		
Fraction Impervious (f)	1.00		
ARI	10	yr	Input from 3.0 "Allowable Outflow"

6.2 Post-Development Runoff ^{7.0}

Note: Flow rate calculation based on AR&R 1987 book VIII method.
 Use this calculator to determine pre-development discharge (Allowable).

$$Q = CIA/360$$

t_c	8.00	min
C (Calculated)	0.90	
C (Engineers input)	0.90	
Q	0.30	m ³ /s

6.4 Storage Volume

Design Infiltration Area	0.00	m ²
Design Storage Volume	0.00	m ³
Critical Duration	5	min
Minimum Storage Required	52.53	m ³