

DRAINS results prepared from Version 2018.09

PIT / NODE DETAILS

Version 8

Name	Max HGL	Max Pond HGL	Max Surface Flow Arriving (cu.m/s)	Max Pond Volume (cu.m)	Min Freeboard (m)	Overflow (cu.m/s)	Constraint
OUT	64.89			0			

SUB-CATCHMENT DETAILS

Name	Max Flow Q (cu.m/s)	Paved Max Q (cu.m/s)	Grassed Max Q (cu.m/s)	Paved Tc (min)	Grassed Tc (min)	Supp. Tc (min)	Due to Storm
PRE DEV	0.016	0	0.016		1	5	1 AR&R 1 year, 2 hours s
POST DEV	0.028	0.025	0.003		1	5	1 AR&R 1 year, 30 minut

Outflow Volumes for Total Catchment (0.10 impervious + 0.21 pervious = 0.31 total ha)

Storm	Total Rainfall cu.m	Total Runoff cu.m (Runoff %)	Impervious Runoff cu.m (Runoff %)	Pervious Runoff cu.m (Runoff %)
AR&R 1 year	25.86	7.39 (28.6%)	7.39 (87.9%)	0.00 (0.0%)
AR&R 1 year	39.7	11.96 (30.1%)	11.88 (92.1%)	0.08 (0.3%)
AR&R 1 year	70.76	24.63 (34.8%)	21.98 (95.6%)	2.65 (5.6%)
AR&R 1 year	96.34	36.18 (37.5%)	30.29 (96.7%)	5.88 (9.0%)
AR&R 1 year	128.66	49.14 (38.2%)	40.79 (97.6%)	8.34 (9.6%)
AR&R 1 year	151.57	52.35 (34.5%)	48.24 (97.9%)	4.11 (4.0%)
AR&R 1 year	201.46	72.23 (35.9%)	64.45 (98.4%)	7.78 (5.7%)

PIPE DETAILS

Name	Max Q (cu.m/s)	Max V (m/s)	Max U/S HGL (m)	Max D/S HGL (m)	Due to Storm
PIPE	0.02	1.38	65.286	64.886	AR&R 1 year, 2 hours storm, average 20.5 mm

CHANNEL DETAILS

Name	Max Q (cu.m/s)	Max V (m/s)	Due to Storm
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DETENTION BASIN DETAILS

Name	Max WL	Max Vol	Max Q Total	Max Q Low Level	Max Q High Level
OSD	65.41	9.4	0.02	0.02	0

CONTINUITY CHECK for AR&R 1 year, 2 hours storm, average 20.5 mm/h, Zone 1

Node	Inflow (cu.m)	Outflow (cu.m)	Storage Change (cu.m)	Difference %
N1	6.18	6.18	0	0
OSD	42.96	39.7	3.26	0
OUT	39.7	39.7	0	0

Run Log for DRAINS.drn run at 16:04:55 on 30/1/2019

torm, average 20.5 mm/h, Zone 1
es storm, average 45.1 mm/h, Zone 1

1/h, Zone 1