

DRAINS results prepared from Version 2021.02

PIT / NODE DETAILS

Name	Max HGL	Max Pond HGL	Max Surface Flow Arriving (cu.m/s)	Version 8 Max Pond Volume (cu.m)	Min Freeboard (m)	Overflow (cu.m/s)	Constraint
Overflow Pit-1	149.68		0		6.22		None
Overflow Pit-2	148.38		0		1.62		None
KIP	147.14		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
Lot1-Post (ex bypa:	0.247	0.198	0.071	5	5	0	0.2EY AEP, 10 min burst, Storm 3
Bypass Area	0.007	0	0.007	5	5	5	0.2EY AEP, 10 min burst, Storm 8
Lot1-Pre	0.213	0	0.213	5	5	0	0.2EY AEP, 10 min burst, Storm 8

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 3	0.211	1.99	152.848	149.676	0.2EY AEP, 10 min burst, Storm 8
Pipe 2	0.222	2.07	149.633	148.385	0.2EY AEP, 10 min burst, Storm 8
Pipe 1	0.209	5.45	148.327	147.14	0.2EY AEP, 10 min burst, Storm 8

CHANNEL DETAILS

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

OVERFLOW ROUTE DETAILS

Name	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV	Max Width	Max V	Due to Storm
OF	0	0	0.908	0	0	0	0	

DETENTION BASIN DETAILS

Name	Max WL	MaxVol	Max Q Total	Max Q Low Level	Max Q High Level
OSD	153.42	27.6	0.211	0.211	0

Run Log for Stage 2 run at 14:42:27 on 10/12/2021 using version 2021.02
 No water upwelling from any pit. Freeboard was adequate at all pits.
 Flows were safe in all overflow routes.

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PIT / NODE DETAILS

Name	Max HGL	Max Pond HGL	Max Surface Flow Arriving (cu.m/s)	Version 8 Max Pond Volume (cu.m)	Min Freeboard (m)	Overflow (cu.m/s)	Constraint
Overflow Pit-1	149.76		0		6.14		None
Overflow Pit-2	148.47		0		1.53		None
KIP	147.16		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
Lot1-Post (ex bypa:	0.369	0.249	0.12	5	5	0	5% AEP, 15 min burst, Storm 10
Bypass Area	0.012	0	0.012	5	5	5	5% AEP, 15 min burst, Storm 5
Lot1-Pre	0.335	0	0.335	5	5	0	5% AEP, 15 min burst, Storm 5

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 3	0.277	2.37	153.319	149.763	5% AEP, 10 min burst, Storm 7
Pipe 2	0.276	2.46	149.654	148.468	5% AEP, 10 min burst, Storm 7
Pipe 1	0.277	5.91	148.354	147.163	5% AEP, 15 min burst, Storm 6

CHANNEL DETAILS

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

OVERFLOW ROUTE DETAILS

Name	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV	Max Width	Max V	Due to Storm
OF	0	0	1.479	0	0	0	0	

DETENTION BASIN DETAILS

Name	Max WL	MaxVol	Max Q Total	Max Q Low Level	Max Q High Level
OSD	153.98	44.7	0.277	0.277	0

Run Log for Stage 2 run at 14:42:00 on 10/12/2021 using version 2021.02
 No water upwelling from any pit. Freeboard was adequate at all pits.
 Flows were safe in all overflow routes.

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PIT / NODE DETAILS

Name	Max HGL	Max Pond HGL	Max Surface Flow Arriving (cu.m/s)	Version 8 Max Pond Volume (cu.m)	Min Freeboard (m)	Overflow (cu.m/s)	Constraint
Overflow Pit-1	150.67		0		5.23		None
Overflow Pit-2	148.72		0		1.28		None
KIP	147.19		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
Lot1-Post (ex bypa:	0.483	0.349	0.134	5	5	0	1% AEP, 5 min burst, Storm 1
Bypass Area	0.016	0	0.016	5	5	5	1% AEP, 10 min burst, Storm 1
Lot1-Pre	0.447	0	0.447	5	5	0	1% AEP, 10 min burst, Storm 1

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 3	0.349	2.98	154.119	150.666	1% AEP, 10 min burst, Storm 7
Pipe 2	0.349	2.98	149.989	148.723	1% AEP, 10 min burst, Storm 7
Pipe 1	0.349	6.29	148.379	147.185	1% AEP, 10 min burst, Storm 7

CHANNEL DETAILS

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

OVERFLOW ROUTE DETAILS

Name	Max Q U/S	Max Q D/S	Safe Q	Max D	Max DxV	Max Width	Max V	Due to Storm
OF	0	0	1.479	0	0	0	0	

DETENTION BASIN DETAILS

Name	Max WL	MaxVol	Max Q Total	Max Q Low Level	Max Q High Level
OSD	154.76	68.5	0.349	0.349	0

Run Log for Stage 2 run at 10:57:27 on 10/12/2021 using version 2021.02
 No water upwelling from any pit. Freeboard was adequate at all pits.
 Flows were safe in all overflow routes.