

DRAINS results prepared from Version 2021.02

PIT / NODE DETAILS

Ver

| Name           | Max HGL | Max Pond HGL | Max Surface Flow Arriving (cu.m/s) |
|----------------|---------|--------------|------------------------------------|
| Overflow Pit-1 | 150.67  |              | 0                                  |
| Overflow Pit-2 | 148.72  |              | 0                                  |
| 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) |
|--------------------|---------------------|----------------------|------------------------|
| Lot1-Post (ex bypa | 0.483               | 0.349                | 0.134                  |
| Bypass Area        | 0.016               | 0                    | 0.016                  |
| Lot1-Pre           | 0.447               | 0                    | 0.447                  |

PIPE DETAILS

| Name   | Max Q (cu.m/s) | Max V (m/s) | Max U/S HGL (m) |
|--------|----------------|-------------|-----------------|
| Pipe 3 | 0.349          | 2.98        | 154.119         |
| Pipe 2 | 0.349          | 2.98        | 149.989         |
| Pipe 1 | 0.349          | 6.29        | 148.379         |

CHANNEL DETAILS

| Name | Max Q (cu.m/s) | Max V (m/s) |
|------|----------------|-------------|
|------|----------------|-------------|

OVERFLOW ROUTE DETAILS

| Name | Max Q U/S | Max Q D/S | Safe Q |
|------|-----------|-----------|--------|
| OF   | 0         | 0         | 1.479  |

DETENTION BASIN DETAILS

| Name | Max WL | MaxVol | Max Q Total |
|------|--------|--------|-------------|
| OSD  | 154.76 | 68.5   | 0.349       |

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 ov

sion 8

Max Pond  
Volume (cu.m)

Min  
Freeboard (m)  
5.23

Overflow  
(cu.m/s)

Constraint  
None

1.28

None

Paved Tc (min) 5

Grassed  
Tc  
(min)

Supp.  
Tc  
(min)

Due to Storm  
1% AEP, 5 min burst, Storm 1

5

5

5

1% AEP, 10 min burst, Storm 1

5

5

0

1% AEP, 10 min burst, Storm 1

Max D/S

Due to Storm

HGL (m)

150.666

148.723

147.185

1% AEP, 10 min burst, Storm 7

1% AEP, 10 min burst, Storm 7

1% AEP, 10 min burst, Storm 7

Due to Storm

Max D

0

Max DxV

0

Max Width

0

Max V

0

Due to Storm

Max Q  
Low Level

0.349

Max Q  
High Level

0

erflow routes.