

Stormwater Management Plan summary



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|------------------------------------|------------------------------|
| SMP Title | 239-243 Don Buck Road |
| SMP Date | 23/09/2021 |
| SMP Version | 4 |
| SMP prepared by | Civix |
| SMP prepared for: | 239-247 Don Buck GZ LIMITED |
| Location | 239-243 Don Buck Road |
| Consolidated Receiving Environment | Waitemata Harbour |
| Stormwater Catchment | Swanson |
| Development type | brownfield |
| SMP Purpose | Subdivision |
| Unitary Plan Precinct | N/A |
| Resource consent reference | BUN60363489 |

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| HW Reference | 2021-042 |
| Date SMP Adopted | 10 December 2021 |

Stormwater management requirements

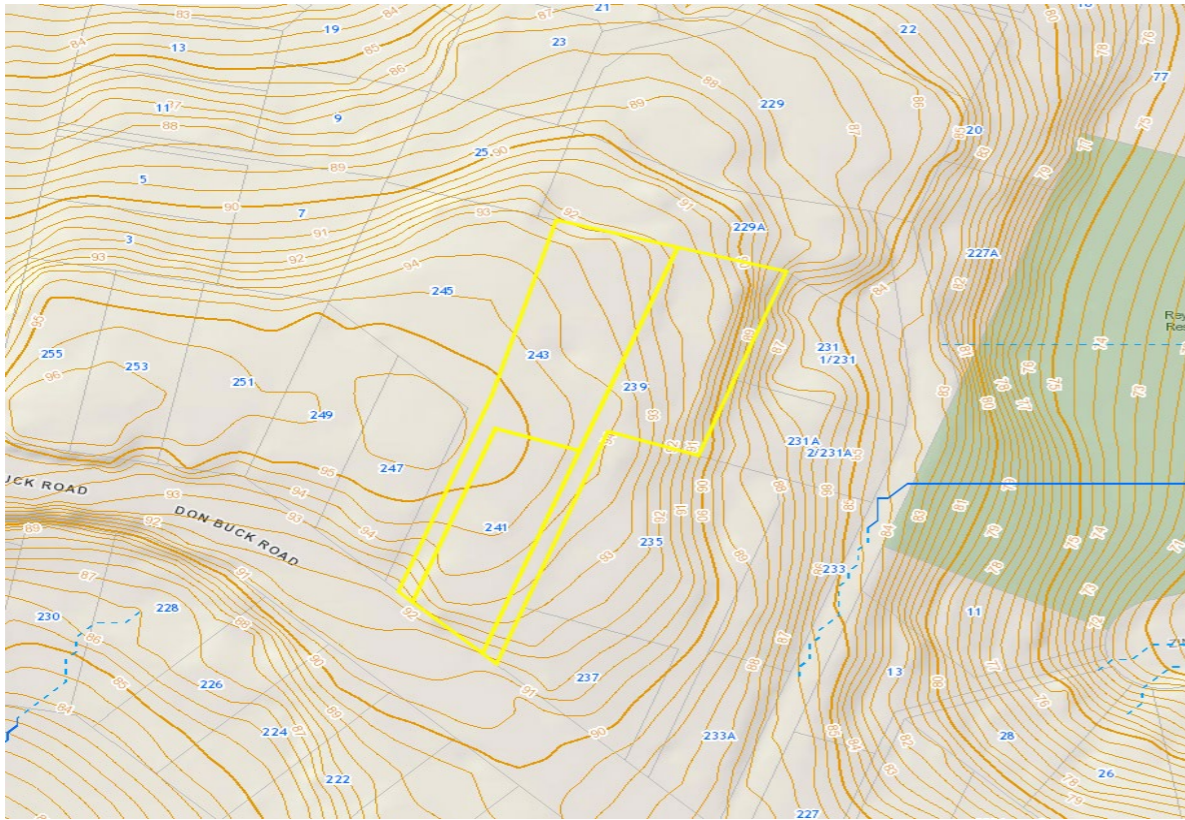
| Stormwater management catchment | Proposed land use | Receiving environment | Water quality management | Hydrology mitigation (retention) | Hydrology mitigation (detention) | Flood management | Outlet design | Assets to be vested with council | General comments |
|---------------------------------|--|--|--|---|---|--|---------------|---|---|
| Swanson | The proposed development includes subdividing three existing lots to accommodate 32 new multi-storey dwellings with an accessway, carparking over a coverage of 4032m ² | Connect to the Public stormwater lines on the southern side of Don Buck Road that discharge into Swanson Stream. | <ul style="list-style-type: none"> All roofing materials will be of inert material, first 5mm of runoff discharging to retention tanks Treat the JOAL through 2 Stormfilter 360 Carparking permeable pavement | <ul style="list-style-type: none"> SMAF2 required Onsite re-use water tanks (1.5m³ each) provided for the roofs' retention (total retention provided for roof area of 1343m² = 23.3m³, against the required 6.715m³) Offset detention provided for the 1075m² JOAL in two underground tanks (retention required = 5.37m³, total detention provided = 18.21m³) | <ul style="list-style-type: none"> SMAF2 required Onsite detention water tanks provided for the roofs' 0.5m³/unit = 13m³ against the required 23.8m³ for the total roof area Detention of the hardstand area required = 18.13m³. Total provided within Tanks 1 and 2 = 18.21m³ | Attenuation tanks will reduce peak post-development flow rate to pre-development rate for 10% AEP event Pre-development peak flow: 0.0765m ³ /s Post-development peak flows: Tank 01: 0.01147m ³ /s Tank 02: 0.00886m ³ /s Tank 03: (0.00064*32) 0.02034m ³ /s Flows Bypassing tanks: 0.02740m ³ /s Total post-development peak flow: 0.06807m ³ /s | N/a | The main lines running through the site will be public, | <i>Total hydraulic mitigation required = 41.22m³</i> <i>Total provided = 41.51m³</i> |

Notes:

This document is prepared to provide a summary of the stormwater management requirements within the adopted Stormwater Management Plan. To see the full Stormwater Management Plan please contact HWDevelopment@aucklandcouncil.govt.nz

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Site area



Development plan

