Stormwater Management Plan Summary

ato: Iviaila;	
	Stormwater Management Plan
	14/02/2022
	Revision D (44028-RP-C-EG02-D)
У	Cato Bolam
or	HND RB Limited
	1, 3 and 5 Chenery Road
ceiving Environment	Hibiscus Coast
hment	Weiti River North (as shown in AC GeoMaps)
е	Greenfield
	Residential Subdivision
cinct	I535 - Rodney Landscape – Sub-Precinct A
nt reference	PRR00034893, BUN60365834, ENG60393433
	ceiving Environment hment

HW Reference	NDC-2022-036
Date SMP Adopted	11 April 2022

Proposed Stormwater Management

Stormwater management catchment	Proposed land use	Receiving environment (type & SEA)	Water quality management	Hydrology mitigation (retention)	Hydrology mitigation (detention)	Flood management	Outlet design	Assets to be vested with council	General comments
Public Roads	Residential	Permanent stream immediately downstream of the site Ultimate receiving environment is a tidally influenced section of the Weiti River – SEA Marine Downstream	 Treatment of all trafficked impervious surfaces to GD01 (or equivalent) Public Raingardens to treat runoff from public roads 	Required SMAF 1 retention volume to be substituted as additional detention	Public Raingardens will achieve SMAF 1 detention volume	1% AEP – OLFP's will be conveyed and contained within road corridors	 New outfall to streams to be green/naturalised outfalls, and to include erosion protection Designed in accordance with GD01 and TR2013/018 	 Public stormwater network & manholes Public raingardens with be vested to Auckland Transport Stormwater outfalls which services public network Culvert 1 to be vested as a public asset 	In-stream erosion protection works are proposed to improve bank stability



1, 3 and 5 Chenery Road Stormwater Management Plan Summary

Stormwater management catchment	Proposed land use	Receiving environment (type & SEA)	Water quality management	Hydrology mitigation (retention)	Hydrology mitigation (detention)	Flood management	Outlet design	Assets to be vested with council	General comments
JOALS	Residential	Permanent stream immediately downstream of the site Ultimate receiving environment is a tidally influenced section of the Weiti River – SEA Marine Downstream	 Treat all trafficked impervious surfaces to GD01 (or equivalent) Private Raingardens to treat runoff from JOALS 	Required SMAF 1 retention volume to be substituted as additional detention	Private Raingardens will achieve SMAF 1 detention volume	1% AEP – OLFP's will be conveyed and contained within the JOALS	 New outfall to streams to be green/naturalised outfalls, and to include erosion protection Designed in accordance with GD01 and TR2013/018 	 Public stormwater network & manholes Networks which collect runoff for the private JOALS and convey it to stormwater management devices and further, to the new proposed public network will remain in private ownership Stormwater outfalls which services public network Culvert 1 to be vested as a public asset 	 In-stream erosion protection works are proposed to improve bank stability Raingardens within JOALS to remain in private ownership, maintained by a Body Corporate or similar
Individual Lots	Residential	Permanent stream immediately downstream of the site Ultimate receiving environment is a tidally influenced section of the Weiti River – SEA Marine Downstream	 Inert building materials to be used for all building surfaces. No exposed roofing, guttering, or cladding made of galvanised steel or copper. A nominal amount of water quality treatment will be achieved by reuse tanks 	 Retention will be achieved for runoff from roof areas via individual lot stormwater tanks. Tanks will provide nonpotable supply harvesting for reuse purposes A toolbox of options has been provided to achieve retention from other impervious areas on individual lots 	 Detention of runoff from the roof area will be achieved by individual lot stormwater tanks A toolbox of options has been provided to achieve detention from other impervious areas on individual lots 	 Lot 19 – 2.0m wide easement along the northern boundary, specific OLFP design Lot 33 – 3.0m easement along the western boundary, specific OLFP design Lot 25 – A minimum FFL of RL27.05m 	New outfall to streams to be green/naturalised outfalls, and to include erosion protection Designed in accordance with GD01 and TR2013/018	Public stormwater network & manholes	 In-stream erosion protection works are proposed to improve bank stability Stormwater outfalls within Lot 23, Lot 24, Lot 25 and Lot 32, Lot 33 will remain in private ownership

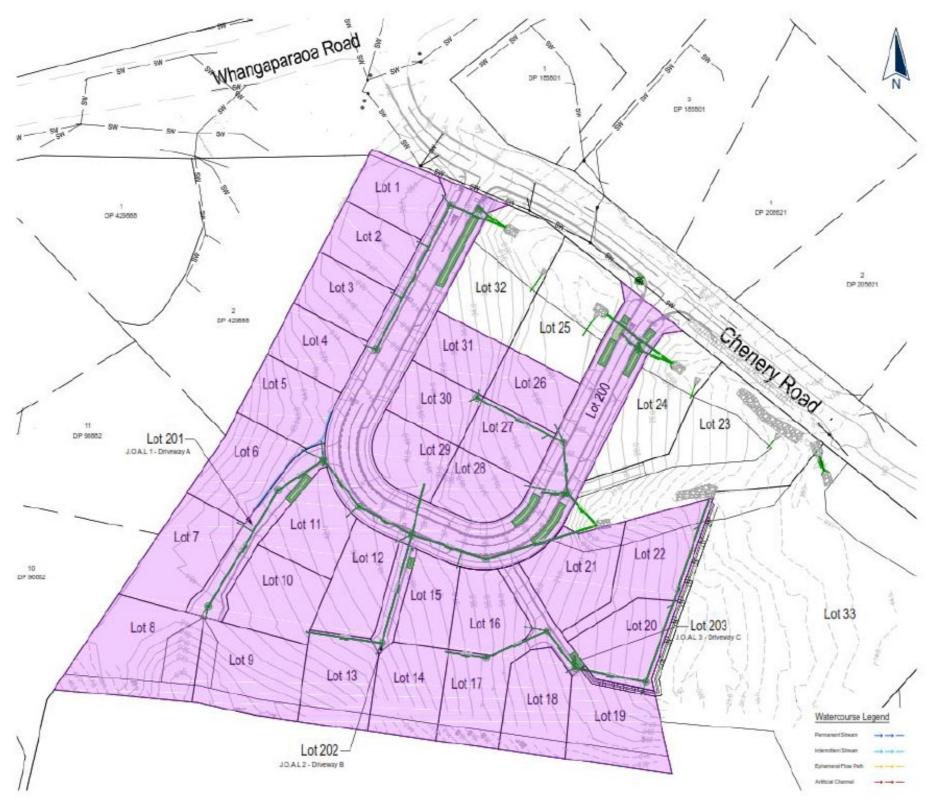
Notes:

Lot 23, Lot 24, Lot 25 and Lot 32 include private outfalls to the watercourse. As stormwater runoff from these lots is not diverted to the public network, they will therefore not be covered by the Regionwide Network Discharge Consent.

Lot 33 includes an existing dwelling and private stormwater discharge point which will remain. As stormwater runoff from Lot 33 is not diverted to the public network, it will therefore not be covered by the Regionwide Network Discharge Consent.

1, 3 and 5 Chenery Road Stormwater Management Plan Summary

SMP Area



Note: Individual Lots to be covered by the RWNDC hatched purple

1, 3 and 5 Chenery Road Stormwater Management Plan Summary

Development Plan

