

# Stormwater Management Plan summary



SMP Title	44 Millbrook Road, Henderson
SMP Date	07/09/21
SMP Version	2
SMP prepared by	Candor Consulting
Location	44 Millbrook Road, Henderson
Consolidated Receiving Environment	Waitemata Harbour
Stormwater Catchment	Oratia
Brownfield / Greenfield	Brownfield
SMP Purpose	Subdivision
Unitary Plan Precinct	N/A
Date SMP Adopted	11 November 2021
HW Reference	2021-003

## 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
Oratia	The proposed development will create 57 new residential terraced dwellings on the site which is 7747m <sup>2</sup> in area. Works are expected to be completed in one stage.	The primary piped network will discharge into the Oratia stream, with the outlet designed as a green outfall to minimise visual and environmental impact to the receiving environment.	<ul style="list-style-type: none"> <li>All roofing materials will be of inert material, first 5mm of runoff discharging to retention tanks</li> <li>Stormfilter 360 for all other impervious at the end of accessway</li> </ul>	<ul style="list-style-type: none"> <li>SMAF2 required</li> <li>Communal tanks located under the common areas are proposed to capture the 5mm of retention volume generated by roof runoff.</li> <li>13.9m<sup>3</sup> volume proposed against the required 12.6m<sup>3</sup> from the total roof area</li> <li>Detention tank for paving areas and roads, 13.8m<sup>3</sup> provided within the 146m<sup>3</sup> Citrex Smart rain module tank at the end of accessway</li> </ul>	<ul style="list-style-type: none"> <li>SMAF2 required</li> <li>32m<sup>3</sup> for the total roof area provided within the 146m<sup>3</sup> Citrex Smart rain module tank at the end of accessway</li> <li>34.9m<sup>3</sup> for the total paving/road provided within the 146m<sup>3</sup> Citrex Smart rain module tank at the end of accessway</li> </ul>	Citrex Smart rain module tank with the additional (65.3m <sup>3</sup> ) volume will attenuate peak post-development flow rate to pre-development rate for 10% AEP event and 1%AEP event.	Rip rap wingwall outlet as per SWCoP and TR2013/18 design guidelines.	Reticulation outside the site extent (from Outlet 1/1 to SWMH1/2) will be assets of Auckland Council	All stormwater reticulation within the SMP extents (up to SWMH 1/2) will be privately owned and maintained by the proposed resident's society of 44 Millbrook Road

### Notes:

This document is prepared to provide the user with 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](mailto:HWDevelopment@aucklandcouncil.govt.nz)

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## Catchment map



## Development plan

