

# Stormwater Management Plan summary



SMP Title	17, 19, 21 & 23 Von Sturmer Street, Mangere
SMP Date	30 August 2022
SMP Version	2
SMP prepared by	Developed Consultants Ltd
Location	17, 19, 21 & 23 Von Sturmer Street, Mangere
Consolidated Receiving Environment	Manukau Harbour
Stormwater Catchment	Mangere Inlet
Brownfield / Greenfield	Brownfields Large
SMP Purpose	Subdivision
Unitary Plan Precinct	N/A
Date SMP Adopted	03 October 2022
HW Reference	2022-061

## 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
1	<ul style="list-style-type: none"> <li>•0.3788ha Mixed Housing Suburban Zone (60% imp)</li> <li>•49.47% impervious proposed (36-lots and 1 JOAL)</li> <li>•Existing imperviousness of 28%</li> <li>•Pre to post development impervious change is an increase by 809.67m<sup>2</sup></li> </ul>	Manukau Harbour	<ul style="list-style-type: none"> <li>•Proprietary treatment devices for accessway (stormfilters)</li> <li>•Retention for domestic reuse from roof surface runoff</li> <li>•GPTs for catchpits downstream of garbage collection areas.</li> <li>•Pervious pavement (passive) for carparks</li> </ul>	<ul style="list-style-type: none"> <li>•Not required due to receiving environment</li> <li>•Retention for domestic reuse from roof surface runoff</li> </ul>	Not required due to receiving environment is tidal influence zone	<ul style="list-style-type: none"> <li>•Downstream primary network has insufficient capacity</li> <li>•Attenuation of the peak 1% and 10% AEP runoff to pre-development levels proposed via 36 x 750L on-lot APD tanks</li> </ul>	No outlets proposed	<ul style="list-style-type: none"> <li>•2x 225mm SW pipelines</li> <li>•1 x 150mm SW pipeline</li> <li>•9 x SWMH</li> </ul>	No change to OLFP entry and egress points

### 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)

Catchment map





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## Development map

