Stormwater Management Plan summary



SMP Title	Stormwater Management Plan for Private Plan Change 25 –				
	Warkworth North				
SMP Date	7 September 2020				
SMP Version	Rev 1				
SMP prepared by	Chester				
SMP prepared for:	GP (Turnstone Capital) Limited				
Location	Stubbs Farm, Falls Road, Warkworth				
Consolidated Receiving Environment	Mahurangi				
Stormwater Catchment	Warkworth				
Development type	Greenfield				
SMP Purpose	Plan Change				
Unitary Plan Precinct	Warkworth North				
Resource consent reference	-				

HW Reference	2019-015			
Date SMP adopted	Provisional approval 7 September 2020.			
	Plan Change operative November 2021. SMP adopted.			

Notes:

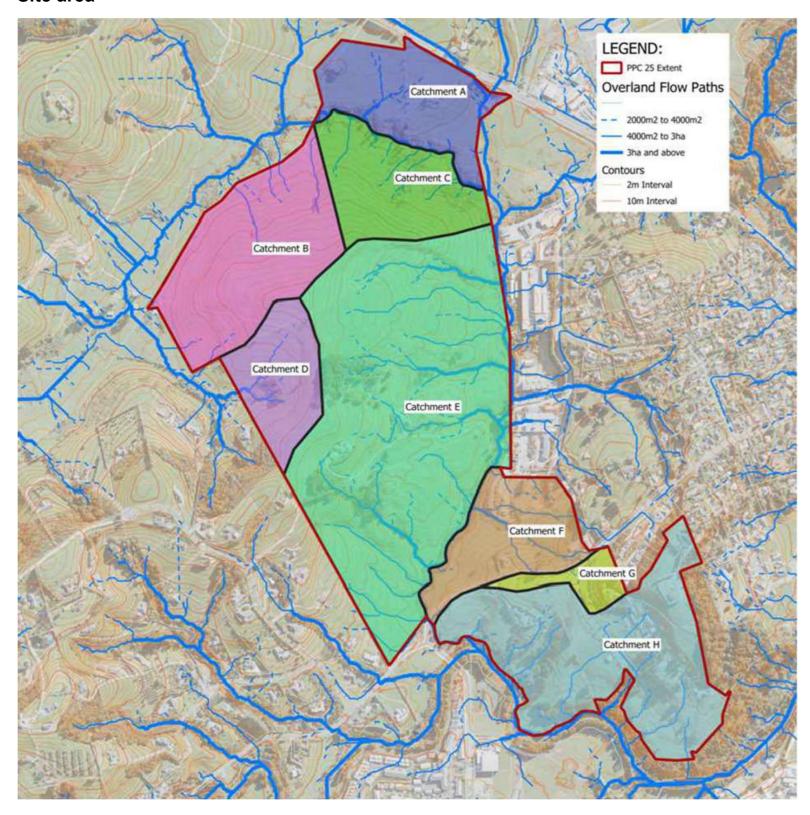
Plan Change 25 operative November 2021.

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 <u>HWDevelopment@aucklandcouncil.govt.nz</u>

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
Catchment A Catchment B	 Business – Mixed Use Business – General Business Residential – mixed house urban Residential – mixed 	Stubbs Stream / Above Falls Road Stubbs Stream / Mahurangi River Below Falls Road SEA - Terrestrial	generating impervious areas are to be treated by a water quality device designed in accordance with GD01 or a suitably approved device for the relevant contaminants with a preference for at or near-source treatment devices. All contaminant Generating impervious areas to be drained into appropriate gross pollutant traps and/or property treatment devices. Inert building materials are to be utilised (e.g. Inert roof material).	specific soakage assessment and approval from a geotechnical engineer. • Re-use /rainwater	 SMAF 1 hydrology mitigation requirements as per Table E10.6.3.1.1. To be achieved through at-source (rain tanks, bioretention and communal dry detention basins subject to site specific investigations. 	 Stormwater detention for the 10% and 1% AEP flood management is not required in the long term. Temporary attenuation may be required for staging that occurs before the upgrade to Falls Road culvert (AT asset). Use streams and their associated riparian margins to provide storage and conveyance to manage flood waters where applicable. Avoid locating buildings or infrastructure within the 1% AEP floodplain, or develop to Stormwater Code of Practice if within the 1% AEP floodplain and that any changes to the floodplain does not increase adverse effects or increased flood depths or velocities to other properties upstream or downstream of the site. Ensure identified overland flow paths remain unobstructed and able to safely convey runoff. 	 Green outlets to be used where possible, subject to specific site constraints. Staggered outlets to the watercourses / communal basins / wetlands as per sub-catchment requirements. 	 Public infrastructure located within public areas including roads and reserves. Assets subject to detailed design during the subdivision consent and EPA stages. 	Remove or modify artificial fish passage barriers where possible to improve the ability of migrant fish species to access upstream habitat.
Catchment C	house suburban Residential – mixed house urban Business – Mixed Use								
Catchment D	 Open Space – Conservation Residential – mixed house suburban 								
Catchment E	 Business – Local Centre Residential – mixed house urban Residential – mixed house suburban Open Space – Conservation Business – Light industry 								
Catchment F	 Business – Light Industry Business – Mixed Use 								
Catchment G	Residential – Single house								
Catchment H	Residential – Single house								

Site area



Development plans

