

# Stormwater Management Plan summary



<b>SMP Title</b>	Huapai Triangle Stormwater Management Plan
<b>SMP Date</b>	June 2015
<b>SMP Version</b>	v6
<b>SMP prepared by</b>	Harrison Grierson
<b>Location</b>	Kumeu
<b>Consolidated Receiving Environment</b>	Kaipara Harbour
<b>Stormwater Catchment</b>	Kumeu Huapai
<b>Brownfield / Greenfield</b>	Greenfield
<b>SMP Purpose</b>	Plan Change/Subdivision
<b>Unitary Plan Precinct</b>	Chapter I 5.62 Huapai Triangle
<b>Legacy NDC</b>	DIS80298216-A (Kumeu Huapai)
<b>Date SMP Adopted</b>	22 January 2020
<b>HW Reference</b>	2021-02

## 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
All sub catchments	<ul style="list-style-type: none"> <li>Residential - Mixed Housing Suburban Zone</li> <li>Green Infrastructure Corridor</li> </ul>	Kumeu River	Water quality treatment via at source retention devices (10mm WQV)	At source (10mm)	<ul style="list-style-type: none"> <li>Detention at source for lot roofs and hardstand areas</li> <li>Detention volume for roads accounted for in the attenuation areas.</li> </ul>	1% AEP peak flow rates maintained at predevelopment levels in the three attenuation ponds within the site. OLFPs and dry pond catchments are within SMP plans	Stormwater Code of Practice	<ul style="list-style-type: none"> <li>Vegetated conveyance swales</li> <li>Road reserve treatment/retention devices</li> <li>Reticulation and outfalls</li> <li>Attenuation areas</li> </ul>	SMP developed under PAUP thus proposal for 10mm retention. 5mm retention demonstrated to achieve an equivalent outcome through AUP hearings thus can be substituted for 10mm requirement

### Notes:

This SMP was prepared to support the Huapai Triangle Special Housing Area application in 2015. The SMP was incorporated into the Kumeu Huapai NDC (DIS80298216-A) by s127 variation in February 2016.

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](mailto:HWDevelopment@aucklandcouncil.govt.nz)

### Catchment map

- NOTES:**
1. THE STORMWATER ALIGNMENT, CATCHMENT AND METHODOLOGY IS INDICATIVE AND BASED ON THE CURRENT CATCHMENT, FINAL DESIGN WILL BE DETERMINED IN CONJUNCTION WITH AUCKLAND COUNCIL DURING DETAILED DESIGN.
  2. TRUNK STORMWATER LINES TO BE SIZED DURING DETAILED STORMWATER CATCHMENT ANALYSIS, WHEN SUBDIVISION LAYOUTS HAVE BEEN FINALISED.

- LEGEND:**
- OPEN DRAIN/LOW FLOW CHANNEL
  - OVERLAND FLOW PATH
  - PROPOSED ROAD NETWORK
  - PEDESTRIAN/CYCLE CONNECTION
  - STREET SWALE
  - ATTENUATION AREA (EXTENDED FLOOD STORAGE)
  - RIPARIAN MARGIN
  - PROPOSED RESERVE
  - ATTENUATION AREA A CATCHMENT - (PERMANENT)
  - ATTENUATION AREA C CATCHMENT - (PERMANENT)
  - ATTENUATION AREA D CATCHMENT - (PERMANENT)
  - ATTENUATION AREA E CATCHMENT - (FUTURE PERMANENT)

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D	ROAD ALIGNMENT, PONDS, CATCHMENTS UPDATED	CDC	02.06.15
C	PEDESTRIAN/CYCLE CONNECTION ADDED	SAF	07.11.14
B	CATCHMENTS ADDED	MYL	02.10.14
A	REPORT ISSUE	SAF	27.08.14
REF	REVISIONS	BY	DATE

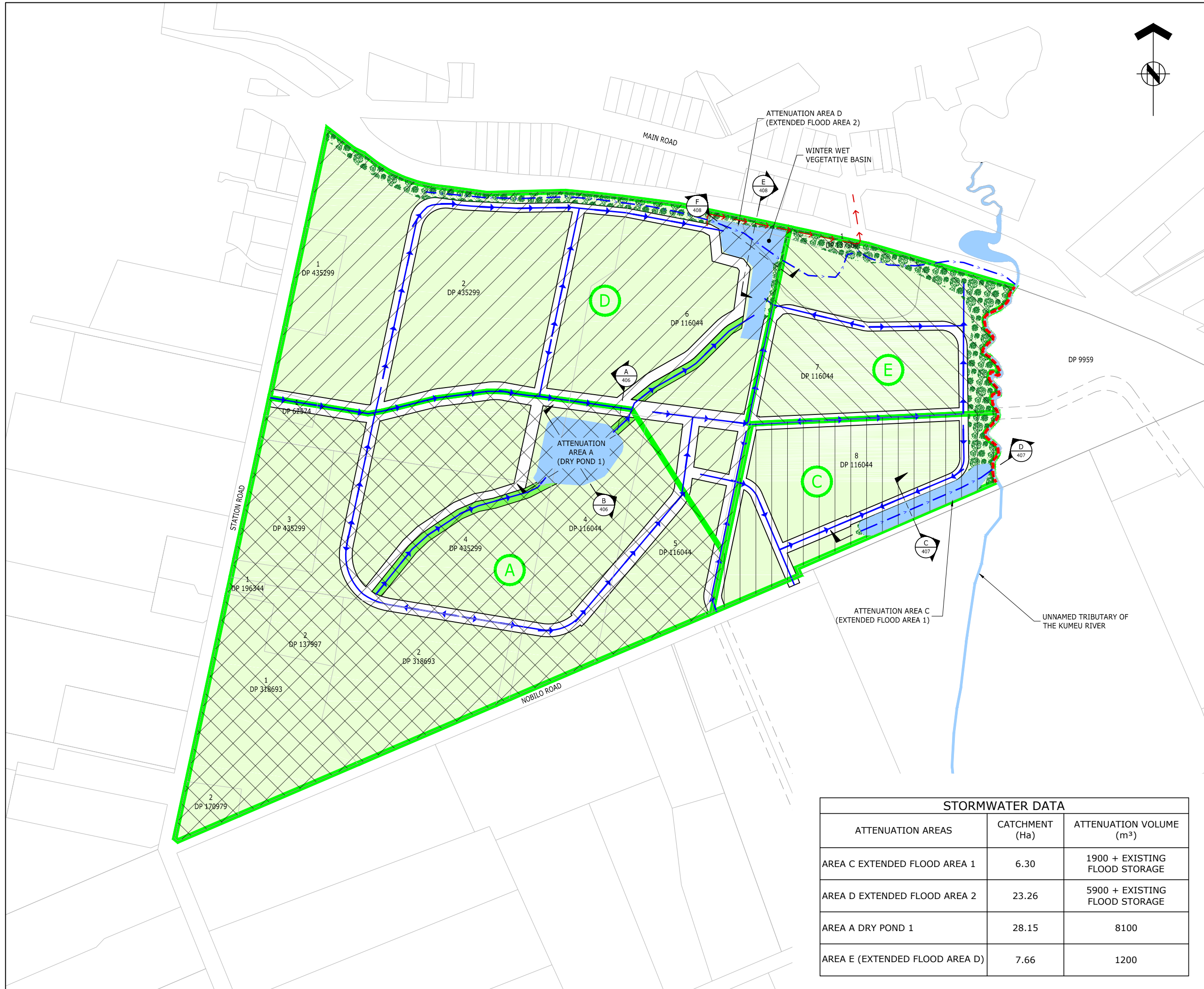
PROJECT:  
**HUAPAI TRIANGLE LANDOWNERS GROUP**

TITLE:  
**OVERLAND FLOWPATHS AND ATTENUATION AREA PLAN**

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
SAF	06.2014		MNP
DRAWN:	DATE:	SIGNED:	PLOT DATE:
SAF	06.2014		05.06.15
CHECKED:	DATE:	SIGNED:	SURVEY BY:
AKJ	06.2014		
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
AKJ	06.2014		

ISSUE STATUS:  
**FOR CONSENT PURPOSES ONLY**

PROJECT No:	1050-135692-01	SCALES:	1:2500 A1 1:5000 A3	A1
DRAWING No:	135692-405			REV
				<b>D</b>



**STORMWATER DATA**

ATTENUATION AREAS	CATCHMENT (Ha)	ATTENUATION VOLUME (m <sup>3</sup> )
AREA C EXTENDED FLOOD AREA 1	6.30	1900 + EXISTING FLOOD STORAGE
AREA D EXTENDED FLOOD AREA 2	23.26	5900 + EXISTING FLOOD STORAGE
AREA A DRY POND 1	28.15	8100
AREA E (EXTENDED FLOOD AREA D)	7.66	1200