Change to Proposal	Application As Notified	Updated Application	
Land	Pond volumes:	Pond volumes:	
Disturbance	Coley Pond -	Coley Pond – 13,430m ³	
	9,000m ³	Pond 2 – no longer required	
	Pond 2 – 2,200m ³	Pond 3 – 12,500m ³	
	Pond 3 – 5,000m ³	Pond 4 – 5,700m ³	
	Pond 4 – 1,500m ³		
	ESCPs provided	Updated ESCP provided.	
Ponds to be	Coley Pond now	Coley Pond, and Ponds 3 and 4 all required to be	
constructed	Ponds 2 3 and 4 at	constructed to attenuate neak	
constructed	a later stage as not		
	required to		
	attenuate peak.		
Catchment	131 hectares	168 hectares. Applicant advises no change to catchment	
area		area and increase is due to more accurate modelling.	
Area	62 hectares	75 hectares. Applicant advises increase due to more	
contributing to		accurate mapping and including of land that currently	
piped network		drains to the tributary via overland and other flow paths.	
Peak Flows	Pre-development –	Pre-development – 3.4m ³ /s	
	2.23m³/s	Post development – 8.25m ³ /s	
	Post-development –	Post development Coley Pond – 4.2m ³ /s	
	2.94m ³	Post development pond 4 – 3.3m ³ /s	
	Post Coley Pond –		
	0.87m ³ /s	2	
Volume of	3,700m ³ in a 100	76,000m ³ in a 100 year event	
stormwater	year event		
Attenuation of	Achieved at	Achieved at discharge from Pond 4 (subject to detailed	
peak flow	discharge from	design of outlet from pond 4). Increase in velocity	
	Coley Pond	between Coley Pond to Pond 4 by 5-7% In a 2 and 5 year	
		Change in depth of flooding in this reach by loss than	
		6cm. Elood waters considered to be contained in	
		channel. Potential for additional erosion effects given	
		increase in time of neak flows. Conditions proposed to	
		manage erosion (if required) N7TA culvert at SH57	
		considered a location for potential erosion.	
Downstream	Application did not	Updated application has assessed the potential	
flows	include a	downstream flooding effects based off a maximum area	
	comprehensive	of 2,000 hectares at risk of flooding in general due to	
	assessment of	land levels below existing stop bank levels. Application	
	flooding	has assessed anticipated flood depths of entire volume	
	downstream at the	over varying areas as:	
	confluence of the		
	Koputaroa with the		
	Manawatu. Depth		
	of water from		
	stormwater		
	contribution		

considered	Estimated Flooded Area	Incremental Flood Depth
negligible compared		Too-yr Akt (mm)
to flooding from	50 ha	154
wider catchment	100 ha	77
given the total	200 ha	38
volume to be	300 ha	26
discharged and the	400 ha	19
conservatism	500 ha	15
included in the	1000 ha	8
modelling.	2000 ha	4
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