

Appendix 2 – Mill Creek Water Quality Matters

The table on the next page contains information from the applicant that shows what has been consented and what is proposed under this application. The applicant has also provided the below plan with the following commentary - *The masterplan underlaid is what is proposed with the Screen Hub application. The red lines are showing what is required / already undertaken through previous consents (i.e. the 6m wide strips along the ephemeral have been done as part of RM240982, and the two 3m wide strips either side of Mill Creek as part of RM171280).*



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Measure	Other Partially Related Consents	Notes
Installation of, and subsequent removal of sediment build up from, the in-line sediment trap pond to be installed in Mill Creek and the two inline sediment trap ponds to be installed in the ephemeral tributary	NA	Proposed sediment traps are new to this application
Raingardens, engineered wetlands and stormwater detention pond designed to capture and treat the 'first flush' runoff, which typically contains the highest sediment load.	NA	Proposed pond, wetlands and raingardens are all new to this application
Water quality monitoring - install turbidity loggers and record data. Live data to be made available to Kai Tahu, FoLH, and QLDC. Devices to be maintained by the consent holder for the life of the consent.	NA	Proposed loggers are new to this application
Riparian plantings along ephemeral tributary	RM240982	<p>Condition 12(a) of this subdivision consent requires the the following:</p> <p><i>12. Prior to certification pursuant to section 224(c) of the Resource Management Act 1991, the consent holder shall complete the following:</i></p> <p><i>a) The margins and banks along both sides of the full length of Mill Creek and the Ephemeral Tributary as shown on the Ayrburn Structure Plan shall be planted in indigenous riparian species (excluding vehicle and pedestrian / cycle crossings). The planting shall have a minimum width of 2m and a minimum average width of 3m, including the upper and lower bank zones. The works, including fencing and/or planting, shall ensure that stock is prevented from accessing Mill Creek and the Ephemeral Tributary and a grass strip of minimum width 1m shall be provided between the riparian planting and any stock fencing.</i></p> <p>These riparian plantings have been done as part of the implementation of Stage 1 of RM240982.</p>
Additional native plantings along ephemeral tributary	NA	Further native plantings have been proposed as part of this application widening the width of plantings along the ephemeral tributary.

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Riparian plantings along Mill Creek	RM171280	<p>Condition 23 of this consent (for the Access Road (now Ayr Avenue) and Infrastructure) required the following: 23. <i>The consent holder shall implement the riparian planting along the margins of Mill Creek in accordance with the following:</i></p> <p><i>a) The planting shall be in the locations and density as set out on the plan “New Access Road to Waterfall Park Planting and Lighting Plan” prepared by Baxter Design Group dated 11 April 2018.</i></p> <p><i>b) The planting shall have a minimum width of 2m and an average width of 3m, including the upper and lower bank zones.</i></p> <p><i>c) A grass strip of minimum width 1m shall be provided between the riparian planting and stock fencing installed under Condition 18.</i></p> <p><i>d) The planting shall be carried out within the planting season following construction of the road and bridge.</i></p> <p><i>e) The planting shall be monitored and maintained thereafter for a period of five years and shall remain in perpetuity. If any plant dies or becomes diseased it shall be replaced as soon as practicable. The maintenance shall include weed and pest control.</i></p> <p>This planting has been completed.</p>
Additional riparian plantings along Mill Creek	NA	Additional riparian planting is proposed as part of this application around the inline sediment trap in Mill Creek and engineered wetlands/detention ponds.
Use of fertiliser containing nitrogen and phosphorous shall be prohibited [...]	Ayrburn Structure Plan + various other consents	This condition is in all relevant previous consents across the wider site as well as a District Plan requirement now under the Ayrburn Structure Plan. We always include it for completeness.