

**IN THE ENVIRONMENT COURT OF NEW ZEALAND
WELLINGTON REGISTRY**

**I MUA I TE KŌTI TAIAO O AOTEAROA
TE WHANGANUI-Ā-TARA ROHE**

ENV-2023-WLG-000005

Under the **RESOURCE MANAGEMENT ACT 1991**

In the matter of the direct referral of applications for resource consents and notices of requirement under sections 87G and 198E of the Act for the Ōtaki to North of Levin project

By **NEW ZEALAND TRANSPORT AGENCY-WAKA KOTAHI**

Applicant

JOINT STATEMENT OF PLANNING EXPERTS

10, 11 and 14 August 2023

INTRODUCTION

1. This joint witness statement relates to expert conferencing on the topic of planning.
2. The expert conferencing was held on 10, 11 and 14 August 2023, facilitated by Environment Commissioner Buchanan.
3. Attendees at the conference were:
 - (a) Mr Grant Eccles (witness for Waka Kotahi). Mr Eccles had prepared a statement of evidence 'Planning: Statutory Assessment' dated 4 July 2023.
 - (b) Ms Ainsley McLeod (witness for Waka Kotahi). Ms McLeod had prepared a statement of evidence 'Planning: Conditions' dated 4 July 2023.
 - (c) Mr Mark St Clair (witness for Regional Councils). Mr St Clair is the author of the section 87F report for the Regional Councils.
 - (d) Helen Anderson (witness for the District Councils). Ms Anderson is the author of the section 198D report for the District Councils. Ms Anderson provided a note setting out matters that remain in dispute in advance of the conference.
 - (e) Ms Anna Carter (witness for Prouse Trust Limited). Ms Carter provided a 'will say' statement in advance of the conference.
 - (f) Mr Karl Cook (witness for James McDonnell Limited). Mr Cook provided a 'will say' statement in advance of the conference.
 - (g) Ms Siobhan Karaitiana (witness on behalf of Muaūpoko Tribal Authority). Ms Karaitiana lodged a statement of evidence dated 4 July 2023.
 - (h) Mr Quentin Parr (witness on behalf of Ngāti Raukawa). Mr Parr lodged a statement of evidence dated 4 July 2023.

CODE OF CONDUCT

4. This joint statement is prepared in accordance with section 9.4 of the Environment Court Practice Note 2023.
5. We confirm that we have read the Environment Court Practice Note 2023 and agree to abide by it.

PURPOSE AND SCOPE OF CONFERENCING

6. The purpose of conferencing was to identify, discuss, and highlight points of agreement and disagreement on planning issues arising from the Project.
7. Conferencing proceeded generally in line with the agenda agreed to by all relevant parties and experts, and provided to Commissioner Buchanan in advance of the conferencing.
8. All attendees had reviewed the conditions set, the relevant application documentation, the evidence, council expert reports and the joint witness statements prepared by expert witnesses in advance of, or during, the conference.
9. **Annexure A** records the agreed issues, areas of disagreement and the reasons, along with any reservations relating to the relevant policy framework.
10. **Annexure B** records the agreed issues, areas of disagreement and the reasons, along with any reservations relevant to the conditions set.
11. Except where recorded in Annexure A and B, the attendees agree that the primary data, methodologies and standards, and key facts and assumptions are as set out in the Assessment of Environmental Effects for the Project, and in particular the conditions set.
12. **Annexure C** records a revised condition set prepared by Ms McLeod in light of the amendments set out in Annexure A and B. Not all of the planning experts have had the opportunity to review the revised condition set.
13. **Annexure D** records the response received to queries referred to expert witnesses arising from, and set out, in Annexure B. Annexure D was prepared by Ms McLeod. Given time constraints the planners have not reviewed Annexure D in detail.

Date: 10, 11 and 14 August 2023

G.R. Eccles

Grant Eccles

Ainsley McLeod

Ainsley McLeod

Mark St Clair

Mark St Clair

Helen Anderson

Helen Anderson

Anna Carter

Anna Carter

Karl Cook

Karl Cook

S. Karaitiana

Siobhan Karaitiana

Quentin Parr

Quentin Parr

ANNEXURE A – EXPERT CONFERENCING ON PLANNING – POLICY FRAMEWORK

Participants: Grant Eccles (GE), Ainsley McLeod (AM), Mark St Clair (MSC), Helen Anderson (HA), Anna Carter (AC), Karl Cook (KC), Siobhan Karaitiana (SK), Quentin Parr (QP)

	Issue	Agreed Position	Disagreements or reservations, with reasons
1.	Status of the CEDF	<p>All agree that DTW5 requires the project to be consistent with chapter 3 of the CEDF (October 2022) with reference to the design responses in chapter 4 through the process of auditing also set out in chapter 4. The effect of this is to lock in the requirements for design principles in chapter 3 and lock in the audit process against chapter 4 of the CEDF, in the designation conditions.</p> <p>All agree that concern has been raised through expert conferencing regarding issues of ensuring suitable design quality in chapter 3 of the CEDF. The expert planners recommend that the project partners and Horowhenua District Council and Kapiti Coast District Council continue to engage as to the matters outlined in the urban design JWS.</p>	
2.	Appropriate treatment of Horowhenua District Plan provisions (Tara Ika)	All acknowledge that the interface between PC4 to the Horowhenua District Plan and the road was raised as a planning issue. All understand that this is primarily a legal question as to what is the environment in terms of section 171.	HA, KC and AC wish to have it recorded that there is still an issue outstanding with regards to the treatment of the Horowhenua District Plan provisions related to Tara Ika, in terms of section 171 and s 104 of the Act. This is not so much an existing environment question, as there is agreement around what falls within the existing environment, but rather how the provisions of PC4,

			which are in effect operative (i.e., not subject to appeal), are applied.
3.	National Policy Statement for Indigenous Biodiversity	<p>All agree that the NPS-IB came into effect on 4 August 2023 – page 20 – exception to 3.10(2) provided by clause 3.11 (1)(a)(i) – construction of specified infrastructure that provides significant national or regional benefit; so new development must be managed through clause 3.10(3) and (4), which is the effects management hierarchy, how it will be applied and use of principles for biodiversity offsetting and biodiversity compensation.</p> <p>All agree that the project is consistent with the NPS-IB.</p>	
4.	Proposed Natural Resources Management Plan (PNRP) becoming operative	All agree that the PNRP is now operative as of 28 July 2023 and there are no implications for the project.	

ANNEXURE B – EXPERT CONFERENCING ON PLANNING – CONDITIONS SET

Participants: Grant Eccles (GE), Ainsley McLeod (AM), Mark St Clair (MSC), Helen Anderson (HA), Anna Carter (AC), Karl Cook (KC), Siobhan Karaitiana (SK), Quentin Parr (QP)

	Issue	Agreed Position	Disagreements or reservations, with reasons
5.	Tangata whenua values		MSC and HA note that the tangata whenua values suite of conditions is yet to be provided therefore the residual cultural effects of the project have not been shown to be mitigated. In their view they are unable to assess whether the project is consistent with the relevant objectives and policies of the relevant planning documents and is contingent on the conditions being resolved. AM undertakes to provide an informal opportunity for the councils to consider these conditions before they are finalised.
6.	Transport	All experts agree that the Transport JWS does not result in the need for any changes to conditions and there are no policy inconsistencies arising with the KCDC District Plan regarding the Southern Interchange discussion.	
7.	Social Impact	All experts agree that the Social Impact JWS does not result in the need for any changes to conditions.	
8.	Noise and Vibration – alignment within designation	All agree to retain DRN3(b)(ii) but DRN3(b)(ii) and (iii) are amended to add "or C" after 'Category A to Category B' to make it explicit that all possible scenarios would be covered. All agree to amend DRN3(b)(i) and (ii) to include the following text "design change to the noise mitigation	This is being referred back to the noise experts for final input by the end of the planning expert conference. Annexure D records responses received to-date.

		<p>measures..." The planners are not clear whether the inclusion of this amendment provides the clarity the noise experts were seeking.</p> <p>The planners considered whether the design change referenced in DRN3(b)(i) should also refer to "the design change is the best practicable option" and whether this would create any difficulties with the application of NZS6806?</p>	
9.	Noise and Vibration – low noise road surface	All agree to amend schedule 5 clause (a)(iii)(F) and add "including communication in respect of the rationale for, and anticipated temporary effects of, the interim road surfacing prior to the low noise road surface required by DRN1 being installed".	
10.	Noise and Vibration – condition wording	All agree to amend DRN4 to correctly reflect the timeframes in DRN1.	
11.	Noise and Vibration – maintenance of noise mitigation measures		No agreement reached.
12.	Noise and Vibration – schedules	<p>All agree to add "and DNV4" after 'DNV3' in DNV1(a) and DNV2(a).</p> <p>All agree to amend DNV4(b) to add "prepared using the methodology set out in the CNVMP and that". All agree to amend schedule 2 (CNVMP) clause (o) to add "required by condition DNV4".</p>	

13.	Noise and Vibration – certification of Site Specific Construction Noise and Vibration Mitigation Plans (SSCNVMP)	<p>All agree that Site Specific Construction Noise and Vibration Mitigation Plans (SSCNVMP) should be prepared by a suitably qualified person who is agreed with the district council. SSCNVMP's are to be provided to council for information and any comment from council on the schedules must be received within 48 hours of receipt of the schedules.</p> <p>The planners note that any condition requiring agreement to the suitably qualified person by the council would need to be offered on an Augier basis.</p> <p>All agree to amend DNV4(b)(iii) to add ", including a description of the outcomes of that consultation and the requiring authority's response to those outcomes".</p>	<p>AM does not agree that a condition requiring the council to agree to the suitably qualified person is necessary or appropriate in the conditions because it reserves a subsequent approval.</p> <p>AM to draft the provisions along these lines.</p>
14.	Noise and Vibration – certification of CNVMP	<p>All experts consider that the district councils have the opportunity to review and request changes through the Outline Plan process.</p>	
15.	Noise and Vibration – construction noise and vibration receivers	<p>The planners require clarity from the noise experts as to the rationale for the requested changes in terms of construction noise and vibration receivers.</p> <p>All agree that at this stage in the absence of explanation from the noise experts there is no need to change the current conditions.</p>	<p>Annexure D records responses received to-date.</p>
16.	Noise and Vibration – building condition surveys	<p>All agree to amend CNVMP schedule 2 (j) to add "that are predicted or measured to receive vibration levels at or above 5mm/s PPV" after 'structures' and remove "that</p>	<p>To be checked with the noise experts.</p> <p>Annexure D records responses received to-date.</p>

		may be subject to actual structural or cosmetic vibration damage".	
17.	Noise and Vibration – noise bund adjacent to JML to the east of the highway		KC and AC – the measures in DRN1 and DRN2 may need to change if the environment for the purposes of section 171 is other than 'existing environment' as is the basis for the assessment by Waka Kotahi.
18.	Landscape, visual and natural character – categories of planting	All agree that there is no formal mechanism available through the Outline Plan process for regional councils. However, it is acknowledged that there are opportunities for the district councils to consult with the regional councils on matters that overlap.	
19.	Landscape, visual and natural character – addressing effects on visual amenity on private property	All agree to amend DLV2(c) to add "greater than moderate".	
20.	District council and Regional Council matters not already addressed – DGA1 and RGA1	All agree that the respective general accordance conditions should include reference to the parts of the section 92 response that alters the project described in the condition. MSC and HA are to undertake a check of the section 92 responses to identify if any parts need to be specifically referred to in the general accordance conditions and advise AM.	Annexure D records the matters in the section 92 responses that HA and MSC consider should be included in DGA1 and RGA1 respectively.

		All agree that the respective general accordance conditions should be updated prior to a final version being provided to the Court that inserts final drawing and plan references.	
21.	District council matters not already addressed – DGA2	All agree to amend DGA2 to add "including any changes made under 176A of the Resource Management Act 1991".	
22.	District council matters not already addressed – DGA3	All agree to delete the opening clause of DGA3(a) 'Other than as referenced in relation to monitoring required by Condition DPC1 and (a)(ii). All agree to change the title of DGA3 to 'Post-construction removal of conditions'. All agree to amend DGA3(a) to add "once the requirements of the relevant conditions are met/achieved/satisfied..." after "once construction activities are complete".	
23.	District council matters not already addressed – DGA7	All agree to amend DGA7 to remove the reference to 'outcome or purpose' and add "and the amendment results in the same, similar or reduced effects on the environment described in the most recently submitted Outline plan for the related works".	
24.	District council matters not already addressed – DGA8		AC – the impact of the establishment activities on the trees at the Prouse property is uncertain at this time. If it is established that there are potential effects then provision for mitigation may be required.

25.	District council matters not already addressed – DTW5	All agree to amend DTW5(e) to remove 'on request'.	
26.	Terrestrial ecology – outcome monitoring	<p>All agree that monitoring of natural character planting is adequately covered under RWB3.</p> <p>All agree that schedule 7 should reference RWB3 as a related condition.</p>	
27.	Terrestrial ecology – bat survey	<p>All agree to insert a new condition requiring that prior to construction commencing a survey of potential bat roost habitat shall be undertaken in the period October-April by a suitably qualified bat expert to identify whether bats are roosting or not.</p> <p>If bat roosts are found to be present the provisions of REM5 shall apply.</p>	
28.	Terrestrial ecology – management of regional pest management plan species	<p>All agree to amend REM4 to insert a new (e): "To manage the spread of field horse tail and yellow bristlegrass:</p> <ul style="list-style-type: none"> i. Pre-construction survey for the presence of these species must be undertaken [at borrow sites] ii. [Where present, a protocol] iii. [Where otherwise discovered during construction] <p>This should also be added to schedule 7.</p>	<p>AM to draft appropriate conditions and consult with ecologists on appropriate protocol.</p> <p>Annexure D records responses received to-date.</p>

29.	Terrestrial ecology – conditions	<p>All agree to amend RTE1C(a) and insert "and appropriate" after 'weed control'.</p> <p>All agree to amend REM19(e) to add a new (iii) if necessary, set out any additional measures that must be implemented to achieve a net gain outcome.</p> <p>There is a need for consistency in expression between RGA6 and the conditions that relate to it e.g., RTE2(e), RTE5 and RTE6.</p> <p>The planners agree that the definition of suitably qualified person adequately covers the specificities raised by the ecology experts.</p> <p>All agree to amend REM17 and 18 and insert "including for re-evaluating the baseline assumptions of the recipient sites relative to the offsetting model calculations".</p>	<p>AM will check the necessity of the proposed REM19(e)(iii) with the ecologists.</p> <p>SK and QP left the conference at this point.</p> <p>Annexure D records responses received to-date.</p>
30.	Freshwater ecology – fish passage requirements and as built vs NES requirements for structures		<p>GE and AM consider this matter is adequately covered by the current wording of RFE3.</p> <p>MSC relying on the JWS from the freshwater ecologists is of the view that the information required has to be assessed against construction plans of each individual fish passage structure and provided through to regional regulatory authorities.</p>
31.	Freshwater ecology – fish passage at temporary structures	<p>The planners agree and this condition should be split into two to make it explicit what the provisions apply to.</p>	

32.	Freshwater ecology – recovery of aquatic life during construction	All agree to amend RFE1(e)(i) to read "a declining capture rate of 90% between the first or second (whichever is greater) recovery event and last recovery event is achieved...".	
33.	Freshwater ecology – light pollution and management on stream health	The planners agree that the standards in RFE1A provide standards to avoid light spill to water therefore there is no need for an ecologist to be involved in the design.	
34.	Freshwater ecology – on-going maintenance	The planners agree that maintenance and legal requirements in perpetuity are all covered in REM13(a).	
35.	Freshwater ecology – baseline data collection	All agree to amend RFE4(e) and (h) to remove "and taking into account any natural variation observed during baseline monitoring". All agree that schedule 7 must have reference to response actions when trigger levels are breached for RFE4(e) and other conditions to be workable.	
36.	Freshwater ecology – riparian width	All agree to amend REM11(a)(i)(A) and (B) to change the reference from 'wetted' to 'bank to bank'.	KC left the conference at this point.
37.	Hydrology and flooding – selection of the largest storm event	The planners accept that the 1.0% AEP event + climate change to 2130 is an appropriate basis for assessing effects, based on the hydrology and flooding experts' advice and there is no policy inconsistency.	
38.	Hydrology and flooding – selection of the threshold used to identify effects	The planners acknowledge that there is a contest here and will be subject to evidence.	

39.	Hydrology and flooding – assessment of freeboard	The planners agree that the appropriate version of the Bridge Manual is version 3.4 dated May 2022.	
40.	Hydrogeology and groundwater – dewatering effects on wetlands from cuts below the water table	All agree to amend RGW2 to add a new subclause (b) to RGW2 that says "the construction activities authorised by these resource consents must not result in any permanent more than minor adverse effects on any existing wetlands not removed or offset as part of the Project".	
41.	Hydrogeology and groundwater – duration of dewatering	All agree to amend RGW1(a)(iii) to include "be limited to no more than 2 months per dewatering installation". The planners are relying on Technical Assessment G page 73 at [231] which says "any dewatering will be of a short duration likely no more than a maximum of 1-2 months and be of limited extent".	Note - is 100m clarity using a Seechi Disc the appropriate standard here or is there a new equivalent standard?
42.	Hydrogeology and groundwater – groundwater considerations		GE – understand the effect that the experts are concerned about in relation to groundwater but has a reservation about the enforceability of the condition in terms of being able to prove causation or exacerbation. MSC agrees with the hydrogeology and groundwater experts recommendation to amend RSW1 to add at (e) "the dedicated stormwater management devices required by clause (a) must be designed, located and operated in a manner that will not cause or exacerbate groundwater related flooding".

			AC – Prouse would like to see an inclusion in RGW2 for ensuring adverse effects on groundwater adjacent to where the road is not at grade; or a site specific condition as it affects 1024 Queen Street East, Levin; and that this is linked to the monitoring requirements.
43.	Hydrogeology and groundwater – borrow sites	The planners agree that consents for the borrow pits have been applied for. In relation to the issue raised by the hydrogeology and groundwater experts, appropriate conditions need to be included in the specific consents.	
44.	Hydrogeology and groundwater – related conditions	RGW3(a)(ii) – the planners consider the best approach to this issue is to settle on an appropriate sample and reporting frequency for inclusion in this condition as opposed to leaving it to a later time. AM to follow up.	
45.	Stormwater – requirements to line swales where they traverse groundwater recharge areas	All agree to amend RSW1 as per the stormwater experts JWS to include swales in high permeability areas (as mapped in [add drawing reference]) to be designed to minimise the transport of contaminants to the underlying groundwater.	
46.	Stormwater - emergency spill containment	All agree that RSW1 should include that the design of the stormwater management approach shall incorporate the ability to contain contaminants resulting from emergency spillage or events prior to discharge to the vegetative wetlands (excluding forebay) as per the stormwater experts JWS.	AC left the conference at this point.

47.	Stormwater – Operations & Maintenance Plan condition	To make it specific that the stormwater devices are to be operated and maintained in accordance with the requirements of those designs, all agree to amend RSW1(a)(ii) to add ", including the requirement for operation and maintenance".	
48.	Erosion and sediment control – GD05 and Waka Kotahi guidelines	All agree to amend Erosion and Sediment Control Monitoring Plan - Schedule 8 to insert the following at the end of (d) "Erosion and Sediment Control Guide for Land Distributing Activities in the Auckland Region June 2016 Guideline Document 2016/005 Version 2".	
49.	Erosion and sediment control – flocculation	All agree with the erosion and sediment control experts JWS that RES8(b) should be deleted and RES8(a) should include "and chemical treatment system" after 'sediment retention pond'.	
50.	Erosion and sediment control – priority catchment monitoring	All agree to insert a condition at schedule 8 (d) relating to escalating the response where the poor performance of the device is indicated by repeated exceedances.	
51.	Erosion and sediment control – related conditions	All agree that in RES1(d)(ii) and other relevant conditions where 100mm is referenced it is to read "equal to or greater than 100mm".	Note - is 100m clarity using a Seechi Disc the appropriate standard here or is there a new equivalent standard?
52.	Erosion and sediment control – specific monitoring	All agree that the schedule 7 (g) provisions should include specific monitoring within the streams feeding the lakes (catchment C and D).	
53.	Erosion and sediment control – sediment thresholds	All agree that the standards in appendix B to Keith Hamill's evidence needs to be included in RFE4.	Annexure D records that expert advice is necessary to complete the inclusion of appropriate standards.

54.	Water abstraction	The planners agree that for water abstraction AM and MSC are to liaise with their relevant experts to finalise appropriate conditions for water management based on the water abstraction JWS. On that basis this JWS does not address water abstraction issues (including efficiency of use as to the Waitohu) which the planners envisage being the subject of a subsequent conferencing session.	
55.	Air quality – condition RAQ1a)	All agree to amend RAQ1a) to replace 'project area' with alternative words so that the boundary of the project area for air quality purposes is clearly defined. All agree to amend RAQ1a) to add the word 'adverse' in front of 'effects'.	
56.	Air quality – roof collected drinking water	All agree that RAQ1A be modified to require that visual inspection needs to include sampling for turbidity within the tank. All agree that RAQ1A be modified to allow for collecting baseline samples and subsequent monthly sampling, with an allowance of in the order of +/- 20%. All agree to change the title of the RAQ1A condition to 'Dust Inspections'. Wherever it says 'visual inspection' it should read "...and turbidity sampling".	
57.	Air quality – communication of monitoring results	All agree to identify any other monthly reporting requirements and for completeness include RGA for all the conditions not just air quality where there is a more regular reporting requirement needed.	SK returned to the conference at this point.

58.	Air quality – trigger for halting site activities in the event of extreme dust nuisance	All agree to amend Schedule 2 – Air Quality Management Plan (e) to include a specific condition under certain scenarios that requires the site to cease construction activities that give rise to the adverse dust effect.	
59.	Air quality – schedule 2	All agree to change the replace the words "have regard to" with "in general accordance" when referring to the various guidance documents. All agree to reword Schedule 2 – Air Quality Management Plan (e)(iii) to clarify that it includes upgrades to the drinking water system as well as provision of clean drinking water.	Annexure D records responses received to-date.
60.	Regional council matters not already addressed – RGA5	The planners agree that in RGA5(b)(ii) the offset and compensate reference within the review conditions provides scope to review the conditions in circumstances where unanticipated environmental effects impact on the ability to achieve a net indigenous biological diversity gain or no net loss of ecological function in respect of freshwater ecology.	
61.	Regional council matters not already addressed – RTW3 and 4	RTW 3 and 4 – all agree that the Muaupoko Management Plan and Ngati Raukawa Management Plan conditions should specify that those management plans must be in place prior to construction activities authorised by the resource consents commencing.	

62.	Regional council matters not already addressed – Iwi Management Plans	All agree that the Iwi Management Plans must be completed before construction activities commence and filed with the councils.	
63.	Regional council matters not already addressed – RTE3	All agree to amend RTE3(d) to add "and reported to the regional council within three working days where a suitably qualified person confirms work can proceed".	
64.	Regional council matters not already addressed – RTE7	All agree that if Waka Kotahi own land, irrespective of whether it is inside or outside the designation, it must be buffer planted. All agree to amend RTE7(b)(ii) to add "or before the end of the first planting season following the road being open to the public" after 'where practicable to do so'.	
65.	Regional council matters not already addressed – rainfall triggers	All agree that the rainfall triggers should be specified in the conditions to link between RFE4, RES1 and schedule 8. AM to follow up with freshwater and erosion and sedimental control experts to define the rainfall trigger event in each catchment.	Annexure D records responses received to-date.
66.	Regional council matters not already addressed – management plans		MSC disagreed as to the deeming provisions for the management plans. No work should commence under the various management plans required within the CEMP (EMP, ESCP and CAQMP) until they are certified by the council. AM and GE support the proposed provisions for deeming and commencement of work.

67.	Regional council matters not already addressed – schedule 2 (b)	All agree that Schedule 2 (b) - CAQMP provision would benefit from clarification as to what the key environment performance indicators are. If these are standards, they should be in the conditions. AM will seek advice from the air quality experts on what the intention is.	Annexure D records responses received to-date.
68.	Regional council matters – schedule 7	Schedule 7 response provisions should be linked to RFE4. AM to check.	AM confirms that Schedule 7 has been updated as set out earlier in this table.

DRAFT CONDITIONS

Designations, resource consents and applicable conditions

The following tables list the designations, resource consents, the conditions, lapse periods and expiry dates that apply to each resource consent.

Designations			
Reference	Designation	Applicable Conditions	Lapse Period
Horowhenua District Council			
D1	The construction, operation, maintenance and improvement of a state highway and shared user path and associated infrastructure, between Taylors Road (to the north of Ōtaki) and State Highway 1 north of Levin known as the Ōtaki to North of Levin Highway Project.	General and Administration DGA1 to DGA9 Construction Management DCM1 Tangata Whenua Values DTW1 to DTW5 Archaeology DAH1 Communication and Engagement DCE1 to DCE ³⁴ Landscape and Visual DLV1 and DLV2 Construction Noise and Vibration DNV1 to DNV4 Construction Traffic DCT1 Shared Path DSP1 Operational Road-Traffic Noise DRN1 to DRN6 Post-Construction and On-Going Operation DPC1	Ten (10) years from the date the designation is included in the Horowhenua District Plan
Kāpiti Coast District Council			
D2	The construction, operation, maintenance and	General and Administration DGA1 to DGA9	Ten (10) years from the date the

Designations			
Reference	Designation	Applicable Conditions	Lapse Period
	improvement of a state highway and shared user path and associated infrastructure between Taylors Road (to the north of Ōtaki) and State Highway 1 north of Levin known as the Ōtaki to North of Levin Highway Project.	Construction Management DCM1 Tangata Whenua Values DTW1 to DTW5 Archaeology DAH1 Communication and Engagement DCE1 to DCE 3 4 Landscape and Visual DLV1 and DLV2 Construction Noise and Vibration DNV1 to DNV4 Construction Traffic DCT1 Shared Path DSP1 Operational Road-Traffic Noise DRN1 to DRN6 Post-Construction and On-Going Operation DPC1	designation is included in the Kāpiti Coast District Plan

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
Construction Phase Resource Consents: Manawatū-Whanganui Regional Council					
RC1	Land use consent, water permit and discharge permit (sections 9(2), 14 and 15 of the RMA and One Plan Rule 13-2)	The activity authorised by this resource consent is large scale earthworks (including the ancillary diversion of water and the discharge of sediment to water) where the earthworks are not: <ul style="list-style-type: none"> - in a rare, at risk or threatened habitat; - within 5m of the bed of a permanently flowing river; - within 5m of the bed of a river that is not permanently flowing and has a width greater than 1m; or 	[to be finalised]	10 years	10 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
		- within 10m of a wetland identified in Schedule F.			
RC2	Land use consent, water permit and discharge permit (sections 9(2), 13, 14 and 15 of the RMA and One Plan Rule 13-7)	The activity authorised by this resource consent is land disturbance and vegetation clearance (including any ancillary disturbance of the bed of a river division of water and discharge of sediment or slash) that is not in a 'rare', 'at-risk' or 'threatened' habitat and is: - within 5m of the bed of a permanently flowing river; - within 5m of the bed of a river that is not permanently flowing and has a width greater than 1m; or - within 10m of a wetland identified in Schedule F but outside of a rare, at risk or threatened habitat.	[to be finalised]	10 years	10 years
RC3	Land use consent (sections 9(2) and 13 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is large scale earthworks and vegetation clearance within an 'at-risk' habitat.	[to be finalised]	10 years	10 years
RC4	Discharge permit (section 15 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is the discharge of water or contaminants to water or land within an 'at-risk' habitat.	[to be finalised]	10 years	10 years
RC5	Land use consent (sections 9(2) and 13 of the RMA and One Plan Rule 13-9)	The activity authorised by this resource consent is large scale earthworks and vegetation clearance within a 'rare' or 'threatened' habitat.	[to be finalised]	10 years	10 years
RC6	Discharge permit (section 15 of the RMA and One Plan Rule 13-9)	The activity authorised by this resource consent is the discharge of water or contaminants to water or land within a 'rare' or 'threatened' habitat.	[to be finalised]	10 years	10 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC7	Discharge permit (section 15 of the RMA and One Plan Rule 14-30)	The activity authorised by this resource consent is the discharge or placement of cleanfill.	[to be finalised]	10 years	10 years
RC8	Discharge permit is sought pursuant to section 15 of the RMA and One Plan Rule 15-17)	The activity authorised by this resource consent is the discharge of contaminants to air.	[to be finalised]	10 years	10 years
RC9	Water permit (section 14 of the RMA and One Plan Rule 16-9)	The activity authorised by this resource consent is the taking of surface water.	[to be finalised]	10 years	10 years
RC10	Water permit (Section 14 of the RMA and One Plan Rule 16-9)	The activity authorised by this resource consent is taking of water for construction related dewatering outside of an 'at-risk', 'rare' or 'threatened' habitat.	[to be finalised]	10 years	10 years
RC11	Land use consent, water permit and discharge permit (sections 9(2), 13, 14 and 15 of the RMA and One Plan Rule 17-3)	The activity authorised by this resource consent is the placement of a bridge over the Ohau River and Waikawa Stream (and associated disturbance, diversion, deposition and discharges).	[to be finalised]	10 years	10 years
RC12	Land use consent, water permit and discharge permit (sections 9(2), 13, 14 and 15 of the RMA and One Plan Rule 17-15)	The activity authorised by this resource consent is the placement of a bridge over the Waiauti, Manakau and Kuku Streams (and associated disturbance, diversion, deposition and discharges).	[to be finalised]	10 years	10 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC13	Land use consent (sections 9(2) of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is vegetation clearance, earthworks and land disturbance within or near natural wetlands for the purpose of constructing specified infrastructure.	[to be finalised]	10 years	10 years
Construction and Operational Phase Resource Consents: Manawatū-Whanganui Regional Council					
RC14	Water permit (section 14 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is the diversion of water within an 'at-risk' habitat.	[to be finalised]	10 years	35 years
RC15	Discharge permit (section 15 of the RMA and One Plan Rule 13-8)	The activity authorised by this resource consent is the discharge of water within an 'at-risk' habitat.	[to be finalised]	10 years	35 years
RC16	Water permit (section 14 of the RMA and Rule 13-9)	The activity authorised by this resource consent is the diversion of water within a 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years
RC17	Discharge permit (section 15 of the RMA and One Plan Rule 13-9)	The activity authorised by this resource consent is the discharge of water within an 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years
RC18	Discharge permit (section 15 of the RMA and One Plan Rule 14-25)	The activity authorised by this resource consent is the discharge of water to a reach of a surface water body or its bed with a Schedule B Value of Sites of Significance – Aquatic.	[to be finalised]	10 years	35 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
RC19	Water permit (section 14 and One Plan Rule 16-9)	The activity authorised by this resource consent is the taking of water for operational related dewatering outside of an 'at-risk', 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years
RC20	Water permit (section 14 of the RMA and One Plan Rule 16-13)	The activity authorised by this resource consent is the diversion of water outside of an 'at-risk', 'rare' or 'threatened' habitat.	[to be finalised]	10 years	35 years
RC21	Land use consent (section 13 of the RMA and Rule 17-23)	The activity authorised by this resource consent is the placement of culverts (and associated disturbance, diversion, deposition and discharges)	[to be finalised]	10 years	35 years
RC22	Water permit (sections 14 and 15 of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is the taking, use, damming, diversion, or discharge of water within or near natural wetlands for the purposes of constructing specified infrastructure.	[to be finalised]	10 years	35 years
RC23	Land use consent (section 13 and Regulation 57 of the NES-F)	The activity authorised by this resource consent is the reclamation of stream beds.	[to be finalised]	10 years	35 years
RC24	Land use consent (section 13 of the RMA and Regulation 71 of the NES-F)	The activity authorised by this resource consent is the placement, use, alteration, extension, or reconstruction of a culvert in, on, over, or under the bed of a river.	[to be finalised]	10 years	35 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
Construction Phase Resource Consents: Greater Wellington Regional Council					
RC25	Land use consent and water permit (sections 9(2) and 15 of the RMA and PNRP Rule R107)	The activity authorised by this resource consent is earthworks (including any discharge of sediment).	[to be finalised]	10 years	10 years
RC26	Discharge permit (section 15 and PNRP Rule R42)	The activity authorised by this resource consent is the discharge of contaminants to air.	[to be finalised]	10 years	10 years
RC27	Discharge permit (section 15 of the RMA and PNRP Rule R94)	The activity authorised by this resource consent is the discharge of cleanfill to land and water.	[to be finalised]	10 years	10 years
RC28	Water permit (section 14 and PNRP Rule K.R1)	The activity authorised by this resource consent is the taking of surface water in Kāpiti Whaitua.	[to be finalised]	10 years	10 years
RC29	Land use consent (sections 9(2) of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is vegetation clearance, earthworks and land disturbance within or near natural wetlands for the purpose of constructing specified infrastructure.	[to be finalised]	10 years	10 years
Operational Phase Resource Consents: Greater Wellington Regional Council					
RC30	Discharge permit is (section 15 of the RMA and PNRP Rule R50)	The activity authorised by this resource consent is the discharge of treated stormwater	[to be finalised]	10 years	35 years, but will be surrendered when a region-wide discharge permit for

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
					all state highway stormwater discharges is in place.
RC31	Land use consent, water permit and discharge permit (sections 9(2), 14 and 15 of the RMA and PNRP Rule R118)	The activity authorised by this resource consent is works within, and reclamation of, a wetland.	[to be finalised]	10 years	10 years (water permit and discharge permit) Unlimited (land use consent)
RC32	Land use consent (sections 13 of the RMA and PNRP Rule R143)	The activity authorised by this resource consent is the reclamation of streams associated with the installation of culverts.	[to be finalised]	10 years	35 years
RC33	Land use consent (sections 13, 14 and 15 of the RMA and PNRP Rule R145)	The activity authorised by this resource consent is the placement of culverts (but not reclamation or diversion of water).	[to be finalised]	10 years	35 years
RC34	Water permit (section 14 of the RMA and PNRP Rule R147)	The activity authorised by this resource consent is the diversion of streams.	[to be finalised]	10 years	35 years
RC35	Water permit (section 14 of the RMA and PNRP Rule R160)	The activity authorised by this resource consent is dewatering.	[to be finalised]	10 years	35 years
RC36	Discharge permit (section 15	The activity authorised by this resource consent is	[to be finalised]	10 years	35 years

Resource Consents					
Reference	Resource Consent	Activity Description and Location	Applicable Conditions	Lapse Period	Expiry Period
	of the RMA and PNRP Rule R160)	dewatering.			
RC37	Water permit (sections 14 and 15 of the RMA and Regulation 45 of the NES-F)	The activity authorised by this resource consent is the taking, use, damming, diversion, or discharge of water within or near natural wetlands for the purposes of constructing specified infrastructure.	[to be finalised]	10 years	35 years
RC38	Land use consent (section 13 and Regulation 57 of the NES-F)	of the reclamation of stream beds.	[to be finalised]	10 years	35 years
RC39	Land use consent (section 13 of the RMA and Regulation 71 of the NES-F)	The activity authorised by this resource consent is the placement, use, alteration, extension, or reconstruction of a culvert in, on, over, or under the bed of a river.	[to be finalised]	10 years	35 years

Designation and resource consent conditions abbreviations, acronyms and terms

Abbreviation/Acronym Term	Term/Definition
Application	The Notices of Requirement for a Designation and Application for Resource Consent dated 1 November 2022
Best Practicable Option	For the purpose of Condition DRN3 the Best Practicable Option in accordance with <i>New Zealand Standard 6806:2010 'Acoustics – Road traffic noise – New and altered roads'</i> .
Category of noise criteria	The predicted noise levels as dB $L_{Aeq(24h)}$ in accordance with <i>New Zealand Standard NZS 6806:2010 Acoustics – Road traffic noise – New and altered roads</i> .
Cleanfill material	Material that when buried will have no adverse effect on people or the environment and includes virgin natural materials such as clay, soil and rock, and other inert materials such as concrete or brick that are free of: <ul style="list-style-type: none"> a) combustible, putrescible, degradable or leachable components; b) hazardous substances; c) products or materials derived from hazardous waste treatment, hazardous waste stabilisation or hazardous waste disposal practices; d) materials that may present a risk to human health; e) liquid waste; and f) for the purpose of this Project, any archaeological material or from a wāhi tapu or site of cultural significance.
Commercial activities	For the purpose of Condition DNV1, commercial activities means: <p><i>“Commercial Activity means any activity providing commercial or administrative services, and includes retail trade premises, offices, and banks, but excludes premises or activities involving industrial manufacture or production, vehicle service stations, and commercial garages/vehicle sales yards.”</i></p>
Complaint	For the purposes of Condition DCE 23 and RCM2, a complaint may include more than one complaint made in relation to the same or similar event or activity.
Construction activities	Activities undertaken to construct the Project, excluding establishment works, and including: <ul style="list-style-type: none"> a) temporary and permanent drainage installation; b) reclamation and stream diversion; c) culvert installation; d) earthworks, including cut and fill activities; e) bridge construction; f) pavements and surfacing;

Abbreviation/Acronym Term	Term/Definition
	<ul style="list-style-type: none"> g) site reinstatement; h) landscaping; and i) installation of permanent road furniture and ancillary works.
Construction footprint	The area in the Project Area within which construction activities occur.
Contaminated land	For the purpose of Condition RSW1, a piece of land described in subclause (7) or (8) of the Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011
District Council	Horowhenua District Council and/or Kāpiti Coast District Council
dB	Decibel
District Plan	Horowhenua District Plan and/or Kāpiti Coast District Plan
Earthworks	The alteration or disturbance of land, including by moving, removing, placing, blading, cutting, contouring, filling or excavation of earth (or any matter constituting the land including soil, clay, sand and rock); but excludes gardening, cultivation, and disturbance of land for the installation of fence posts.
Establishment works	<p>Preliminary activities undertaken in advance of construction activities commencing, including within a particular stage or geographic area, as follows:</p> <ul style="list-style-type: none"> a) site-wide geotechnical investigations and material reuse testing and earthwork methodology; b) topographical surveys; c) ecological, cultural, archaeological and heritage surveys and relocations; d) baseline monitoring; e) contaminated land testing; f) protection of and/or relocation of utilities; g) formation of site access and haul roads, including temporary stream crossings; h) formation of construction access tracks and/or reconfiguration of existing of access tracks; i) development of the construction yard and main site offices; j) works associated with the abstraction of water needed to construct the Project and associated reservoirs (for storage); k) property fencing and demarcation of areas where construction activities will not occur; l) installation of erosion and sediment control measures associated with establishment works; m) clearance of vegetation associated with establishment works (and clearing buildings and other features); and n) management plan production.

Abbreviation/Acronym Term	Term/Definition
Horizons	Manawatū-Whanganui Regional Council
Incident	For the purposes of Condition RCM3, an incident is an unforeseen event that has not or cannot be prevented and has a consequence in terms of the consent holder's ability to comply with the conditions of these resource consents. An incident may include more than one incident that relates to the same or similar event or activity.
km/h	Kilometres per hour
Land disturbance	The alteration or disturbance of land (or any matter constituting the land including soil, clay, sand and rock) that does not permanently alter the profile, contour or height of the land.
m/s	Metres per second
NZS 6803:1999	New Zealand Standard NZS 6803:1999 ' <i>Acoustics – Construction Noise</i> '.
One Plan	The Manawatū-Whanganui Regional Council's One Plan
PA/EPA	Porous asphalt, also known as OGPA. A low noise road surface where the 'E' indicates that the surface material is modified with epoxy for engineering reasons in respect of longevity.
PPF/PPFs	Protected premises and facilities, being spaces in buildings used for: <ul style="list-style-type: none"> residential activities; marae; overnight medical care; teaching (and sleeping) in educational facilities; playgrounds that are part of educational facilities that are within 20m of buildings used for teaching purposes.
Project	The construction, operation, maintenance and improvement of a state highway and shared path and associated infrastructure between Taylors Road (to the north of Ōtaki) and State Highway 1 north of Levin known as the Ōtaki to North of Levin Highway Project.
Project Area	The area within the boundaries of the proposed designations and immediate surrounds.
Project Iwi Partners	Muaūpoko Tribal Authority and the following hapū of Ngāti Raukawa ki te Tonga: Ngā Hapū o Ōtaki (on behalf of Ngāti Kapu), Ngāti Hikitanga, Ngāti Huia ki Poroutawhao, Ngāti Huia ki Mātau, Ngāti Kikopiri, Ngāti Ngarongo, Ngāti Pareraukawa, Ngāti Takihiku, Ngāti Tukorehe and Ngāti Wehiwehi.
Provided / submitted	The sharing or transfer of a document, plan, outline plan or report to the District Council, Regional Council or Project Iwi Partners by electronic means including via

Abbreviation/Acronym Term	Term/Definition
	email or a file transfer.
Regional Council	Manawatū-Whanganui Regional Council and/or Greater Wellington Regional Council
Regional Plan	The Manawatū-Whanganui Regional Council's One Plan and/or the Natural Resources Plan for the Wellington Region
RMA	Resource Management Act 1991
Requiring authority or consent holder	Waka Kotahi NZ Transport Agency
<u>Site</u>	<u>For the purpose of Condition RAQ1, the site is the area within which the construction of the Project is undertaken, including the extent of land subject to the designations for the Project in favour of Waka Kotahi NZ Transport Agency, material supply sites and spoil sites shown on [drawing ref] attached to and forming part of these conditions.</u>
SMA	Stone Mastic Asphalt. A road surface material generally used in high-stress environments such as ramps, bridge decks, and merge areas.
Suitably qualified person	A person who is competent and experienced in the field of expertise that is relevant to a particular task or action directed by a Condition.

Designation conditions

Designation conditions index

Condition Number	Condition
General and Administration	
DGA1	General accordance
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Condition Number	Condition
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Construction Noise and Vibration	
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Operational Road-Traffic Noise	
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DRN2	Noise barriers
DRN3	Design of noise mitigation measures
DRN4	Post-construction review of noise mitigation measures
DRN5	Audio tactile profiled road markings
DRN6	Building modifications

Condition Number	Condition
Post-Construction and On-Going Operation	
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Schedule 4	Objectives and content of the Ngāti Raukawa ki te Tonga Management Plan
Schedule 5	Objectives and content of the Communications Plan
Schedule 6	Methodology for revised assessment of visual effects
Schedule 9	Identified PPFs

Designation conditions

Condition Number	Conditions
General and Administration	
DGA1	<p>General accordance</p> <p>a) Except as modified by the conditions below, the Project must be undertaken in general accordance with the following information provided in support of the Notices of Requirement for a Designation dated 1 November 2022:</p> <ul style="list-style-type: none"> i. ‘Volume II Notices of Requirement for a Designation and Application for Resource Consents: Supporting Information and Assessment of Effects on the Environment’ Part C Project Description; ii. ‘Volume III Drawings and Plans’ as follows: <ul style="list-style-type: none"> A. Geometrics: General Arrangement Plans; B. Geometrics: Plan and Long Sections; C. Geometrics: Typical Sections; D. Geometrics: Cross Sections; E. Structures; and F. Accommodation Works. <p>b) Where there is inconsistency between the documents listed in clause (a) <u>and the requirements of these conditions, the requirements of</u> these conditions prevail.</p>
DGA2	<p>Compliance with outline plan and management plans</p> <p>a) The Project must be undertaken in accordance with the most recent version of the following:</p> <ul style="list-style-type: none"> i. an outline plan that has been submitted to the District Council, <u>including any changes made under 176A of the RMA;</u> ii. a Construction Environmental Management Plan required by Condition DCM1, including: <ul style="list-style-type: none"> A. a Construction Noise and Vibration Management Plan required by Condition DNV3; B. a Construction Traffic Management Plan required by Condition DCT1; iii. a Communications Plan required by Condition DCE34; iv. a Muaūpoko Management Plan required by Condition TW3; and v. a Ngāti Raukawa ki te Tonga Management Plan required by Condition TW4.
DGA3	<p>Operation and maintenance (including post-construction removal of conditions)</p> <p>a) Other than as referenced in relation to monitoring required by Condition DPC1, the following conditions relate to the construction of the Project and, once construction activities are complete <u>and the requirements of the relevant conditions are achieved</u>, these conditions will no longer apply and can be removed as part of a review or change to a District Plan or in accordance with section 181 of the RMA:</p> <ul style="list-style-type: none"> i. General and Administration Conditions DGA6 to DGA9; ii. Construction Management Condition DCM1; iii. Tangata Whenua Values Conditions DTW1 to DTW2; iiii. Archaeology Condition DAH1; iv. Communications and Engagement Condition DCE1 to DCE34;

Condition Number	Conditions
	<ul style="list-style-type: none"> vi. Landscape and Visual Condition DLV1 to DLV2; vii. Construction Noise and Vibration Condition DNV1 to DNV4; viii. Construction Traffic Condition DCT1; and viii. Shared Path Condition DSP1. <p>b) For the avoidance of doubt, none of the conditions listed in clause (a) prevent or apply to the ongoing operation or maintenance of the Project within the designation where the provisions of section 176A of the RMA apply.</p>
DGA4	<p>Post-construction review of designation width</p> <p>a) As soon as practicable following the Project being open for public use, the requiring authority must:</p> <ul style="list-style-type: none"> i. review the width of the area designated for the Project; ii. identify any areas of designated land that are no longer necessary for the on-going operation or maintenance of the Project; or for on-going mitigation, offsetting, or compensation measures required to address adverse effects of the Project; and iii. give notice to the District Council in accordance with section 182 of the RMA that those parts of the designation identified under clause (a)(ii) are no longer wanted.
DGA5	<p>Lapse period</p> <p>a) The designation lapses if not given effect to within ten (10) years from the date on which the designation is included in a district plan under section 175 of the RMA.</p>
DGA6	<p>Outline plan</p> <p>a) Except where Condition DGA7 or DGA8 applies, an outline plan or outline plans must be prepared and submitted to the District Council in accordance with section 176A of the RMA.</p> <p>b) An outline plan may be for the entire Project or for one or more stages, aspects, sections or locations of construction activities.</p> <p>c) An outline plan must include the following, where relevant to the particular design or construction matters being addressed:</p> <ul style="list-style-type: none"> i. the Construction Environmental Management Plan required by Condition DCM1 that includes <ul style="list-style-type: none"> a: <ul style="list-style-type: none"> A. Construction Noise and Vibration Management Plan required by Condition DNV3; and B. Construction Traffic Management Plan required by Condition DCT1; ii. the most recent Design Review Audit completed in accordance with Condition DTW5; iii. the report required by Condition DRN3; iv. the outcomes, including any recommended mitigation, of consultation with a suitably qualified and experienced person or persons regarding the potential heritage impacts of the Queen Street East pedestrian and cycling connection on 'Ashleigh', located at 1024 Queen Street East; and v. a revised assessment of visual effects required by Condition DLV2.
DGA7	<p>Revision of an outline plan</p> <p>a) The documents and plans referred to in Condition DGA6(c)(i) may be amended to provide updated information or reflect changes in design or construction methods without the need for a further outline plan where the proposed amendment is provided in writing to the District Council at least ten (10) working days prior to the related activities being undertaken and the amendment is in general accordance with the outcome or purpose results in the same, similar or reduced effects on the</p>

Condition Number	Conditions
	<p>environment described in the most recently submitted outline plan for the related works described in the original outline plan.</p> <p>b) Where clause (a) does not apply an outline plan must be submitted to the District Council.</p>
DGA8	<p>Establishment works</p> <p>a) The requirement for an outline plan for establishment works is waived under section 176A(2) of the RMA.</p>
DGA9	<p>Suitably qualified person</p> <p>a) The following documents or measures that are required to be prepared or undertaken by these conditions must be prepared or undertaken by a suitably qualified person or persons:</p> <ul style="list-style-type: none"> i. the revised assessment of visual effects required by Condition DLV2; ii. the preparation of Site Specific Noise and Vibration Mitigation Plans required by Condition DNV43; iii. a Construction Noise and Vibration Management Plan required by Condition DNV3; iv. a Construction Traffic Management Plan required by Condition DCT1; v. the design of noise mitigation measures required by Condition DRN3; and vi. the prediction of noise categories required by Condition DRN6.
Construction Management	
DCM1	<p>Construction Environmental Management Plan</p> <p>a) A Construction Environmental Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions.</p> <p>b) The Construction Environmental Management Plan required by clause (a) must be prepared in consultation with the Project Iwi Partners and the Community Liaison Group required by Condition DGE2.</p>
Tangata Whenua Values	
DTW1	[Placeholder]
DTW2	[Placeholder]
DTW3	<p>Muaūpoko Management Plan</p> <p>a) Prior to the commencement of construction activities, a Muaūpoko Management Plan or Plans must be prepared to achieve the objectives, and include the content, set out in Schedule 3 to these conditions.</p> <p>b) The requiring authority must invite Muaūpoko Tribal Authority to endorse a person or persons to prepare the Muaūpoko Management Plan or Plans required by clause (a).</p>
DTW4	<p>Ngāti Raukawa ki te Tonga Management Plan</p> <p>a) Prior to the commencement of construction activities, a Ngāti Raukawa ki te Tonga Management Plan or Plans must be prepared to achieve the objectives, and include the content, set out in Schedule 4 to these conditions.</p>

Condition Number	Conditions
	<ul style="list-style-type: none"> b) The requiring authority must invite-the Hāpu of Ngāti Raukawa ki te Tonga to together endorse a person or persons to prepare the Ngāti Raukawa ki te Tonga Management Plan or Plans required by clause (a).
DTW5	<p>Cultural and Environmental Design Framework</p> <ul style="list-style-type: none"> a) The Project must be consistent with the Design Principles in Chapter 3 of the <i>‘Cultural and Environmental Design Framework’</i>, Consent Version, dated October 2022. b) Design Review Audits, set out in Chapter 4 of the <i>‘Cultural Environmental Design Framework’</i>, to confirm that the Project is consistent with the Design Principles must be undertaken: <ul style="list-style-type: none"> i. at least three (3) months prior to the outline plan being submitted to Council as set out in Condition DGA6; and ii. every three (3) months until the Project is open for public use. c) Design Review Audits required by clause (b) may describe design elements of the Project with reference to, but not limited to, Chapter 4 of <i>‘the Cultural and Environmental Design Framework’</i>, Consent Version, dated October 2022. d) Design Review Audits must be completed in collaboration with the Project Iwi Partners. e) In addition to the requirement to include a Design Review Audit as part of the outline plan set out in Condition DGA6, the subsequent Design Review Audits required by clause (b) must be provided to the District Council on request.
Archaeology	
DAH1	<p>Archaeology discovery protocol</p> <ul style="list-style-type: none"> a) In the event that construction activities result in the discovery or disturbance of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga, the requiring authority must cease construction activities in the immediate vicinity of the discovery or disturbance and inform: <ul style="list-style-type: none"> i. the Project Iwi Partners; ii. Heritage New Zealand Pouhere Taonga; iii. the District Council; and iv. in the event of kōiwi tangata being discovered, the New Zealand Police. b) Construction activities in the immediate vicinity of the discovery or disturbance must be suspended until: <ul style="list-style-type: none"> i. the measures set out in the Waka Kotahi NZ Transport Agency <i>‘Minimum Standard P45 Accidental Archaeological Discovery Specification’</i> (August 2018) are put in place; and ii. Project Iwi Partners have advised that the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga or work can otherwise recommence; and iii. the District Council has advised that work can recommence because the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga; and iv. the requiring authority advises the Project Iwi Partners and District Council in writing that an archaeology authority is not required by the Heritage New Zealand Pouhere Taonga Act 2104; or v. an archaeology authority under the Heritage New Zealand Pouhere Taonga Act 2014 has been obtained. c) Clauses (a) and (b) do not apply, and are superseded, where the works are subject to an archaeological authority granted under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014.

Condition Number	Conditions
Communications and Engagement	
DCE1	<p>Community liaison person</p> <ul style="list-style-type: none"> a) Prior to the commencement of construction activities, for the duration of construction activities, and for at least six (6) months following the Project being open for public use, a community liaison person or persons must be appointed by the requiring authority as the main and readily accessible point of contact for people affected by construction activities. b) A community liaison person or persons must be available by telephone during normal business hours and at any time outside of those hours when construction activities are occurring. c) The requiring authority must take appropriate steps to make the community liaison person or persons' telephone and email contact details accessible to all members of the community affected by construction activities.
DCE 2 3	<p>Complaints management</p> <ul style="list-style-type: none"> a) A register must be maintained of any complaint received alleging adverse effects from construction activities. b) The register must include: <ul style="list-style-type: none"> i. the name and contact details (if supplied) of the complainant; ii. the nature and details of the complaint; iii. the location, date and time of the complaint and the alleged effect giving rise to the complaint; iv. the weather conditions and wind direction at the time of the alleged effect, where relevant to the complaint. v. other activities in the area, unrelated to the Project, that may have contributed to the complaint; vi. the outcome of the requiring authority's investigation into the complaint; and vii. a description of any measures taken to respond to the complaint. c) The District Council must be notified of any complaint received alleging adverse effects from construction activities no more than five (5) working days after receiving the complaint. d) The requiring authority must, within ten (10) working days of the complaint being received, advise the District Council and the complainant of the outcome of the requiring authority's investigation and all measures taken, or proposed to be taken, to respond to the complaint.
DCE 3 4	<p>Communications Plan</p> <ul style="list-style-type: none"> a) A Communications Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 5 to these conditions.
Landscape and Visual	
DLV1	<p>Landscape planting</p> <ul style="list-style-type: none"> a) Subject to landowner agreement where the planting is on private property, the landscape planting shown on the Planting Concept Plans: Indicative Typology and the Planting Concept Plans: RMA Purpose Type included in the Application must be undertaken: <ul style="list-style-type: none"> i. where practicable, prior to commencement of construction activities; or ii. as soon as construction works are completed in the relevant area and seasonal conditions are appropriate; and iii. within eighteen (18) months of the Project being open for public use. b) Landscape planting must be implemented, maintained, monitored and replaced to achieve a 90%

Condition Number	Conditions
	<p>survival rate and 80% canopy coverage of the ground at five (5) years following the date that initial planting commenced; and</p> <p>c) The landscape planting must consist of plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site.</p>
DLV2	<p>Visual effects</p> <p>a) The requiring authority must undertake a revised assessment of visual effects of the Ō2NL Project to confirm occupied dwellings where the residual visual effects are assessed to be greater than moderate, where the assessment assumes the landscape planting required by Condition DLV1 has been implemented.</p> <p>b) The assessment of visual effects required by clause (a) must be:</p> <ol style="list-style-type: none"> undertaken by a suitably qualified and experienced person or persons; completed in a manner consistent with the methodology in Schedule 6 to these conditions; and provided as part of the outline plan required by Condition DGA6. <p>c) Where the assessment of visual effects required by clause (a) concludes that the adverse visual effects on a dwelling are greater than moderate or greater the requiring authority must consult with the owners of the dwelling and offer to develop and implement a plan for mitigation of visual effects of the Project on the affected property to further screen views of the Project.</p> <p>d) The consultation required by clause (c) must be undertaken within twelve (12) months of the commencement of construction activities or as soon as practicable after the implementation of the landscape planting required by Condition DLV1.</p> <p>e) The requiring authority has complied with Condition DLV2 if:</p> <ol style="list-style-type: none"> the owner of the dwelling agrees to the offered mitigation; the owner of the dwelling does not agree to the offered mitigation; or an alternate agreement for the mitigation of visual effects is reached between the requiring authority and the dwelling owner.

Construction Noise and Vibration

DNV1	<p>Construction noise limits</p> <p>a) Except as set out in Conditions DNV3 and DNV4, construction activities must be undertaken so that construction noise does not exceed the limits in Table DNV-1 at any occupied PPFs or buildings that accommodate commercial activities in the vicinity of the Project.</p> <p>b) Construction noise must be measured and assessed in accordance with NZS 6803:1999 'Acoustics – Construction Noise'.</p> <p style="text-align: center;">Table DNV-1: Construction Noise Limits</p> <table border="1"> <thead> <tr> <th>Time of week</th> <th>Time period</th> <th>L_{Aeq(t)}</th> <th>L_{Afmax}</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;">Occupied PPFs</td> </tr> <tr> <td rowspan="4" style="text-align: center;">Weekdays</td> <td style="text-align: center;">0630-0730</td> <td style="text-align: center;">55 dB</td> <td style="text-align: center;">75 dB</td> </tr> <tr> <td style="text-align: center;">0730-1800</td> <td style="text-align: center;">70 dB</td> <td style="text-align: center;">85 dB</td> </tr> <tr> <td style="text-align: center;">1800-2000</td> <td style="text-align: center;">65 dB</td> <td style="text-align: center;">80 dB</td> </tr> <tr> <td style="text-align: center;">2000-0630</td> <td style="text-align: center;">45 dB</td> <td style="text-align: center;">75 dB</td> </tr> <tr> <td rowspan="2" style="text-align: center;">Saturdays</td> <td style="text-align: center;">0630-0730</td> <td style="text-align: center;">45 dB</td> <td style="text-align: center;">75 dB</td> </tr> <tr> <td style="text-align: center;">0730-1800</td> <td style="text-align: center;">70 dB</td> <td style="text-align: center;">85 dB</td> </tr> </tbody> </table>	Time of week	Time period	L _{Aeq(t)}	L _{Afmax}	Occupied PPFs				Weekdays	0630-0730	55 dB	75 dB	0730-1800	70 dB	85 dB	1800-2000	65 dB	80 dB	2000-0630	45 dB	75 dB	Saturdays	0630-0730	45 dB	75 dB	0730-1800	70 dB	85 dB
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DNV2	<p>Construction vibration limits</p> <p>a) Except as set out in Conditions DNV3 and DNV4, construction activities must be undertaken, as far as practicable, so that construction vibration does not exceed the limits in Table DNV-2.</p> <p>b) Construction vibration must be measured in accordance with ISO 4866:2010 <i>Mechanical vibration and shock – Vibration of fixed structures – Guidelines for the measurement of vibrations and evaluation of their effects on structures.</i></p> <p style="text-align: center;">Table DNV-2: Vibration limits</p> <table border="1"> <thead> <tr> <th>Receiver</th> <th>Location</th> <th>Time period</th> <th>Category A (PPV)</th> <th>Category B (PPV)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Occupied PPFs</td> <td rowspan="2">Inside the building</td> <td>0630-2000</td> <td>1 mm/s</td> <td>5 mm/s</td> </tr> <tr> <td>2000-0630</td> <td>0.3 mm/s</td> <td>1 mm/s</td> </tr> <tr> <td>Other occupied buildings</td> <td>Inside the building</td> <td>0630-2000</td> <td>2 mm/s</td> <td>5 mm/s</td> </tr> <tr> <td rowspan="2">Unoccupied buildings</td> <td rowspan="2">Building foundation</td> <td>Vibration (transient)</td> <td rowspan="2">5 mm/s</td> <td>BS 5228-2 Table B.2</td> </tr> <tr> <td>Vibration (continuous)</td> <td>50% of BS 5228-2 Table B.2*</td> </tr> </tbody> </table> <p>*BS 5228-2 is British Standard BS 5228-2:2009 Code of practice for noise and vibration control on construction and open sites – Part 2: Vibration.</p>	Receiver	Location	Time period	Category A (PPV)	Category B (PPV)	Occupied PPFs	Inside the building	0630-2000	1 mm/s	5 mm/s	2000-0630	0.3 mm/s	1 mm/s	Other occupied buildings	Inside the building	0630-2000	2 mm/s	5 mm/s	Unoccupied buildings	Building foundation	Vibration (transient)	5 mm/s	BS 5228-2 Table B.2	Vibration (continuous)	50% of BS 5228-2 Table B.2*							
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DNV3	<p>Construction Noise and Vibration Management Plan</p> <p>a) A Construction Noise and Vibration Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions.</p>																																
DNV4	<p>Site specific construction noise and vibration mitigation</p> <p>a) In addition to the measures described in the Construction Noise and Vibration Management Plan required by Condition DNV3, the requiring authority must identify and adopt site specific mitigation</p>																																

Condition Number	Conditions
	<p>for the management of construction noise or construction vibration where:</p> <ul style="list-style-type: none"> i. construction noise is either predicted or measured to exceed the noise limits in Condition DNV1; ii. construction vibration is either predicted or measured to exceed the Category A limits in Condition DNV2; iii. Construction activities are being undertaken within 100 metres of: <ul style="list-style-type: none"> A. 96/98 Arapaepae Road; B. 1024 Queen Street East; C. 217 Kimberley Road/ 345 Arapaepae South Road. <p>b) The site specific mitigation required by clause (a) must be described in Site Specific Noise and Vibration Mitigation Plans <u>prepared using the methodology set out in the Construction Noise and Vibration Management Plan required by Condition DNV3 and that</u> must include, but not be limited to:</p> <ul style="list-style-type: none"> i. the nature, location and duration of the construction activities that result in noise and vibration effects; ii. the predicted noise level or vibration level for construction activities at the receiver; iii. a description of consultation undertaken with the owners and/or occupiers, or their representatives, of the receiver to understand the use of the site and sensitivities, including times, activities and locations, <u>including a description of the outcomes of that consultation and the requiring authority's response to those outcomes;</u> iv. the proposed mitigation, being the 'Best Practicable Option'; and v. the timing, location and type of monitoring of noise or vibration effects on the receiver. <p>c) The Site Specific Noise and Vibration Mitigation Plans required by clause (b) must be provided to the District Council <u>for comment</u> at least five (5) working days before the commencement of construction activities that are addressed by the Site Specific Noise and Vibration Mitigation Plans.</p> <p><u>d) If two (2) working days have passed since a Site Specific Noise and Vibration Mitigation Plan has been provided to the District Council and the District Council has not provided comment on the Site Specific Noise and Vibration Mitigation Plan, then the requiring authority may commence work in accordance with the Site Specific Noise and Vibration Mitigation Plan as provided.</u></p> <p><u>ed)</u> If measured or predicted vibration from construction activities exceeds the Category B limits for other occupied buildings and unoccupied buildings, construction activities must only proceed if vibration effects on affected buildings are assessed, monitored and mitigated as set out in the Construction Noise and Vibration Management Plan required by Condition DNV3.</p>
Construction Traffic	
DCT1	<p>Construction Traffic Management Plan</p> <ul style="list-style-type: none"> a) A Construction Traffic Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions.
Shared Path	
DSP1	<p>Shared path</p> <ul style="list-style-type: none"> a) Within twelve (12) months of the road being open for public use, a shared path must be in place along the length of the Project.
Operational Road-Traffic Noise	

Condition Number	Conditions																								
<p>DRN1</p>	<p>Low-noise road surfaces</p> <p>a) Except where Condition DRN3 applies, the low-noise road surfaces in Table DRN-1 must be installed within eighteen (18) months from the date the Project is opened for public use, with installation commencing as soon as reasonably practicable.</p> <p style="text-align: center;">Table DRN-1 – Low-Noise Road Surfaces</p> <table border="1" data-bbox="355 539 1441 1025"> <thead> <tr> <th>Location</th> <th>Chainage</th> <th>Length</th> <th>Surface Type*</th> </tr> </thead> <tbody> <tr> <td>Muhunoa East to the SH57 Roundabout</td> <td>CH22200-CH13400</td> <td>8.8km</td> <td>50mm thick EPA7 or noise equivalent</td> </tr> <tr> <td>South Manakau to the Waikawa Stream bridge</td> <td>CH13700-CH26500</td> <td>5.2km</td> <td>50mm thick EPA7 or noise equivalent</td> </tr> <tr> <td>North Ōtaki from the tie-in with PP2Ō</td> <td>CH39000-CH34900</td> <td>4.1km</td> <td>50mm thick EPA7 or noise equivalent</td> </tr> <tr> <td>Ramps, interchanges and merge areas including the Queen Street East overbridge and ramps</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td>SMA10 or noise equivalent</td> </tr> <tr> <td>The new state highway in all other locations</td> <td></td> <td></td> <td>30mm thick EPA7/PA7 or noise equivalent</td> </tr> </tbody> </table> <p>* For the purposes of Table DRN-1 'noise equivalent' relates to the low-noise road surface acoustic performance characteristics.</p>	Location	Chainage	Length	Surface Type*	Muhunoa East to the SH57 Roundabout	CH22200-CH13400	8.8km	50mm thick EPA7 or noise equivalent	South Manakau to the Waikawa Stream bridge	CH13700-CH26500	5.2km	50mm thick EPA7 or noise equivalent	North Ōtaki from the tie-in with PP2Ō	CH39000-CH34900	4.1km	50mm thick EPA7 or noise equivalent	Ramps, interchanges and merge areas including the Queen Street East overbridge and ramps	-	-	SMA10 or noise equivalent	The new state highway in all other locations			30mm thick EPA7/PA7 or noise equivalent
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<p>DRN2</p>	<p>Noise barriers</p> <p>a) Except where Condition DRN-3 applies, the noise barriers in Table DRN-2 must be installed prior to the road being open for public use.</p> <p style="text-align: center;">Table DRN-2 – Noise Barriers</p> <table border="1" data-bbox="355 1283 1441 1771"> <thead> <tr> <th>Location</th> <th>Chainage</th> <th>Length</th> <th>Barrier type</th> </tr> </thead> <tbody> <tr> <td>Levin Rail bridge, southbound</td> <td>CH10700-CH11500</td> <td>810m</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>Waihou Road</td> <td>CH13900-CH15000</td> <td>1.2km</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>Waiauti Stream and South Manakau Road bridge, northbound</td> <td>CH29700-CH30400</td> <td>530m</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>Waiauti Stream and South Manakau Road bridge, southbound</td> <td>CH29700-CH30700</td> <td>1.1km</td> <td>1.1m high concrete safety barrier</td> </tr> <tr> <td>North Ōtaki overbridge, northbound</td> <td>CH33600-CH34200</td> <td>600m</td> <td>1.1m high concrete safety barrier</td> </tr> </tbody> </table>	Location	Chainage	Length	Barrier type	Levin Rail bridge, southbound	CH10700-CH11500	810m	1.1m high concrete safety barrier	Waihou Road	CH13900-CH15000	1.2km	1.1m high concrete safety barrier	Waiauti Stream and South Manakau Road bridge, northbound	CH29700-CH30400	530m	1.1m high concrete safety barrier	Waiauti Stream and South Manakau Road bridge, southbound	CH29700-CH30700	1.1km	1.1m high concrete safety barrier	North Ōtaki overbridge, northbound	CH33600-CH34200	600m	1.1m high concrete safety barrier
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<p>DRN3</p>	<p>Design of noise mitigation measures</p> <p>a) The design of noise mitigation measures, including the low-noise road surfaces and noise barriers required by Conditions DRN1 and DRN2 must be completed for the alignment of the Project described in an outline plan required by Condition DGA6.</p> <p>b) The design required by clause (a) may alter the location, length or type of noise mitigation, including</p>																								

Condition Number	Conditions
	<p>low-noise road surface or noise barriers, required by Conditions DRN1 and DRN2:</p> <ul style="list-style-type: none"> i. where the design change <u>to the noise mitigation measures</u> results in the same Category of noise criteria or a change of Category of noise criteria from Category B to Category A at any identified PPF listed in Schedule 9; or ii. where the design change <u>to the noise mitigation measures</u> results in a change of Category of noise criteria from Category A to Category B <u>or C</u>, or from Category B to Category C at any identified PPF listed in Schedule 9 and it is confirmed that the design change is the Best Practicable Option; or iii. where the Project described in the outline plan, in accordance with Condition DGA6, results in a change of Category of noise criteria from Category A to Category B <u>or C</u>, or from Category B to Category C, at any identified PPF listed in Schedule 9 and it is confirmed that the design change is the Best Practicable Option. <p>c) A report must be prepared that sets out noise mitigation measures must include, but not be limited to:</p> <ul style="list-style-type: none"> i. predicted noise levels at each identified PPF listed in Schedule 9 in 2039; ii. design drawings for noise barriers; and iii. specifications for road surfaces. <p>d) The report required by clause (c) must be provided as part of the outline plan required by Condition DGA6.</p>
DRN4	<p>Post-construction review of noise mitigation measures</p> <p>a) A Post-construction review, comprising a site inspection, must be undertaken of the following noise mitigation measures:</p> <ul style="list-style-type: none"> i. the noise barriers required by Condition DRN23; ii. the low noise road surface required by Condition DRN13; and iii. the mechanical expansion joints on bridges and any other road environmental treatments that are for the purpose of noise mitigation. <p>b) The reviews required by clause (a) must confirm that:</p> <ul style="list-style-type: none"> i. the noise mitigation measured have been constructed or installed as described in the design report required by Condition DRN3; and ii. the predicted sound levels at each identified PPF listed in Schedule 9 in 2039 set out in the report prepared under Condition DRN3 will be achieved. <p>c) A record of the reviews required by:</p> <ul style="list-style-type: none"> <u>i. clauses (a)(i) and (iii) must be provided to the District Council within three (3) months of the road being open for public use;</u> <u>ii. clause (a)(ii) must be provided to the District Council within three (3) months of the installation of the low noise road surfaces required by Condition DRN1 being completed.</u>
DRN5	<p>Audio tactile profiled road markings</p> <p>a) Ribbed audio tactile profiled road markings must not be used on the road surface within 200 metres of any PPF.</p>
DRN6	<p>Building modifications</p> <p>a) Prior to commencement of construction, those PPFs that are predicted to be in Category B and Category C in 2039 must be identified.</p> <p>b) The requiring authority must write to the owner of the PPFs identified under clause (a) and request</p>

Condition Number	Conditions
	<p>access to their property for the purpose of investigating building modifications to reduce internal noise in habitable spaces to achieve 40 dB $L_{Aeq(24h)}$.</p> <p>c) Where access is granted under clause (b), a suitably qualified and experienced person or persons must inspect the PPF and perform sound insulation testing in order to identify building modifications to reduce internal noise.</p> <p>d) Following completion of an investigation required by clause (c), the requiring authority must write to the property owner and:</p> <ul style="list-style-type: none"> i. offer options for building modifications to achieve internal noise levels below 40 dB $L_{Aeq(24h)}$; or ii. advise that no building modifications are necessary to achieve internal noise levels below 40 dB $L_{Aeq(24h)}$. <p>e) Where options for building modification are offered under clause (c), the property owner may select a preferred option and the requiring authority must complete the work as soon as reasonably practicable and prior to the road being open for public use.</p> <p>f) The requiring authority has complied with Condition DRN6 if:</p> <ul style="list-style-type: none"> i. the access requested under clause (b) is not granted within twelve (12) months of the request; ii. the property owner does not select an option for mitigation within three (3) months of the offer; or iii. an alternate agreement for noise mitigation is reached between the requiring authority and the property owner.
Post-Construction and On-Going Operation	
DPC1	<p>Monitoring and management</p> <p>a) Any monitoring and management measures in the Construction Environmental Management Plan required by Condition DCM1 must remain in place for the duration set out in the Construction Environmental Management Plan.</p>

Regional resource consent conditions

Resource consent conditions index

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RGA4	Monitoring data
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RCM2	Construction complaints management
RCM3	Incident management and reporting
RCM4	Construction management standards
RCM5	Construction Environmental Management Plan
RCM6	Amending the Construction Environmental Management Plan
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RTW2	[placeholder]
RTW3	Muaūpoko Management Plan
RTW4	Ngāti Raukawa ki te Tonga Management Plan

Condition Number	Condition
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RTE1	Forest and wetland removal
RTE1B	Direct transfer of wetland vegetation
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RTE3	'At Risk' or 'Threatened' wetland bird species
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<u>RFE2A</u>	<u>Permanent fish passage</u>
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RFE4	Freshwater ecology monitoring
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Condition Number	Condition
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REM2	Ecology Management Plan certification
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REM5	'At Risk' or 'Threatened' flora and fauna discovery protocol
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REM7	Offset planting
REM8	Replacement tree planting
REM9	Wetland restoration offset
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REM11	Measures to offset residual effects on freshwater ecology
REM12	Offsetting performance targets
REM13	Sites for offset and compensation measures
REM14	Ecology Offset Site Layout Plans
REM15	Amending an Ecology Offset Site Layout Plan
REM16	Offsetting oversight and implementation
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REM18	Review of measures to offset residual effects on freshwater ecology
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<u>RAQ1A</u>	<u>Dust inspections</u>

Condition Number	Condition
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RES3	Erosion and Sediment Control Plan certification
RES4	Amending the Erosion and Sediment Control Plan
RES5	Site Specific Erosion and Sediment Control Plans
RES6	Site Specific Erosion and Sediment Control Plans certification

Condition Number	Condition
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Resource consent conditions

Condition Number	Condition
General and Administration	
RGA1	<p>General accordance</p> <p>a) Except as modified by the conditions below the Project must be undertaken in general accordance with the following information provided in support of the applications for these resource consents dated 1 November 2022:</p> <ol style="list-style-type: none"> i. <i>'Volume II Notices of Requirement for a Designation and Application for Resource Consents: Supporting Information and Assessment of Effects on the Environment'</i> Part C Project Description except that the taking of surface water from the Ohau River is limited to when it is at, or above, median flows; ii. <i>'Volume III Drawings and Plans'</i> as follows: <ol style="list-style-type: none"> A. Geometrics: General Arrangement Plans; B. Geometrics: Plan and Long Sections; C. Geometrics: Typical Sections; D. Geometrics: Cross Sections; E. Geotechnical; F. Stormwater: Drainage Layout Plans; G. Stormwater: Catchment Plans; H. Structures; and I. Accommodation Works; <p>b) Where there is inconsistency between the documents listed in clauses (a) and the requirements of these conditions, these conditions prevail.</p>
RGA2	<p>Compliance with management plans and site plans</p> <p>a) The Project must be undertaken in accordance with the most recent version of the Construction Environmental Management Plan required by Condition RCM5, including:</p> <ol style="list-style-type: none"> i. a certified Ecology Management Plan required by Condition REM1, including when amended in accordance with Condition REM3; ii. a certified Construction Air Quality Management Plan required by Condition RAQ3, including when amended in accordance with Condition RAQ5; and iii. a certified Erosion and Sediment Control Plan required by Condition RES2, including when amended in accordance with Condition RES4. <p>b) The Project must be undertaken in accordance with all certified Site-Specific Erosion and Sediment Control Plans required by Condition RES5, including when amended through the process in Condition RES7.</p> <p>c) The Project must be undertaken in accordance with all Ecology Offset Site Layout Plans required by Condition REM14, including when amended through the process in Condition REM15.</p>
RGA3	<p>Annual report</p> <p>a) For each year for the duration of construction activities and in the year following the road being open for public use, an annual report for twelve (12) months ending 30 April must be provided to the Regional Council by 31 July of that year.</p> <p>b) The purpose of the annual report is to provide an overview of the construction activities authorised by these resource consents, including activities required by the conditions of these resource</p>

Condition Number	Condition
	<p>consents, that have been undertaken during the preceding year.</p> <p>c) The annual report must include, but not be limited to:</p> <ul style="list-style-type: none"> i. a summary of the monitoring for the preceding year that is required by management plans and the conditions of these resource consents; ii. an assessment and analysis of the monitoring data, including: <ul style="list-style-type: none"> A. in relation to any trends in adverse effects of the Project on the environment by comparison with previous years; and B. identification of circumstances where monitoring has informed refinement to construction methods, effects mitigation measures, or the design of the Project. iii. a summary of any non-compliances over the previous year, including the reasons for the non-compliance and the measures put in place to prevent the same incident happening again. iv. recommendations on any alterations to the monitoring to be implemented in the subsequent year, including the measures necessary to implement the recommended alteration; and v. an overview of the construction activities anticipated in the subsequent year, including any activities to reduce adverse effects on the environment. <p>d) A copy of each annual report must be provided to the Project Iwi Partners at the same time as the annual report is provided to the Regional Council.</p>
RGA4	<p>Monitoring data</p> <p>a) In addition to the specific requirements to provide monitoring data or reporting in the conditions of these resource consents, all monitoring data collected through the monitoring required by management plans and the conditions of these resource consents must be provided to the Regional Council and Project Iwi Partners within ten (10) working days of the data being requested or as soon as reasonably practicable.</p>
RGA5	<p>Review of conditions</p> <p>a) A Regional Council may, under section 128 of the RMA, initiate a review of any or all conditions of these resource consents during the months of August and September of any year.</p> <p>b) A review of conditions under clause (a) may allow for the consideration of the following:</p> <ul style="list-style-type: none"> i. the alteration of monitoring activities, including the frequency of monitoring; ii. the deletion, amendment or addition of new conditions as necessary to avoid, remedy, mitigate, offset or compensate for any more than minor unanticipated adverse effect on the environment that may arise from the exercise of these resource consents.
RGA6	<p>Suitably qualified person</p> <p>a) The following documents or measures that are required to be prepared or undertaken by the conditions of these resource consents must be prepared or undertaken by a suitably qualified person or persons:</p> <ul style="list-style-type: none"> i. an incident report required by Condition RCM3; ii. the pre-construction surveys required by Conditions RTE2, RTE3, RTE5, and RTE6, <u>and RTE8</u>; iii. a Ecology Management Plan required by Condition REM1; iv. advice on the course of action required by Condition REM5 where 'At Risk' or 'Threatened' flora or fauna are discovered; v. a Ecology Offset Site Layout Plans required by Condition REM14; vi. the oversight and implementation of offsetting required by Condition REM16;

Condition Number	Condition
	<ul style="list-style-type: none"> vii. the review of measures to offset residual adverse effects on terrestrial and wetland ecology required by Condition REM17; viii. the review of measures to offset residual effects on freshwater ecology required by Condition REM18; ix. the monitoring report required by Condition REM19; x. the visual dust inspections and dust monitoring required by Condition RAQ1A and Condition RAQ1B respectively; xi. a Construction Air Quality Management Plan required by Condition RAQ3; xii. a Erosion and Sediment Control Plan required by Condition RES2; xiii. a Site-Specific Erosion and Sediment Control Plans required by Condition RES5; and xiv. confirmation that the operational stormwater management devices are built in accordance with their design as required by Condition RSW2.
Construction Management	
RCM1	<p>Pre-construction site meetings</p> <ul style="list-style-type: none"> a) Pre-construction site meetings must be arranged and held for each site identified in a Site-Specific Erosion and Sediment Control Plan required by Conditions RES5. b) The purpose of the pre-construction site meetings is to share information on areas of cultural value, work methods, Construction Environmental Management Plan requirements and compliance with the conditions of these resource consents. c) The following parties must be invited to the pre-construction site meetings with a minimum of ten (10) working days notice: <ul style="list-style-type: none"> i. the Regional Council; ii. a Project representative; iii. a representative from the construction contractor; and iv. the Project Iwi Partners. d) The following information must be made available to the invited parties listed in clause (c) at least five (5) working days before a pre-construction site meeting: <ul style="list-style-type: none"> i. time frames for key stages of work; ii. any archaeological authority granted for the Project under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014; iii. relevant plans identifying sites or areas of value to the Project Iwi Partners; and iv. relevant Site-Specific Erosion and Sediment Control Plans. e) Condition RCM1 is complied with where the requirements of clause (c) are met and any of the invited parties, except the Project representative, do not attend a pre-construction site meeting.
RCM2	<p>Complaints management</p> <ul style="list-style-type: none"> a) A register must be maintained of any complaint received alleging adverse effects from construction activities. b) The register must include: <ul style="list-style-type: none"> i. the name and contact details (if supplied) of the complainant; ii. the nature and details of the complaint; iii. the location, date and time of the complaint and the alleged effect giving rise to the complaint; iv. the weather conditions and wind direction at the time of the alleged effect, where relevant to

Condition Number	Condition
	<p>the complaint;</p> <ul style="list-style-type: none"> v. other activities in the area, unrelated to the Project, that may have contributed to the complaint; vi. the outcome of the consent holder’s investigation into the complaint; and vii. a description of any measures taken to respond to the complaint. <p>c) The Regional Council must be notified of any complaint received alleging adverse effects from construction activities no more than five (5) working days after receiving the complaint.</p> <p>d) The consent holder must, within ten (10) working days of the complaint being received, advise the Regional Council and the complainant of the outcome of the consent holder’s investigation and all measures taken, or proposed to be taken, to respond to the complaint.</p>
RCM3	<p>Incident management and reporting</p> <ul style="list-style-type: none"> a) In the event of an incident occurring that causes a non-compliance with the conditions of these resource consents: <ul style="list-style-type: none"> i. the Regional Council and Project Iwi Partners must be notified in writing within twenty-four (24) hours of the consent holder becoming aware of the incident; ii. an incident report must be provided to the Regional Council within ten (10) working days of the incident occurring and must include, but not be limited to: <ul style="list-style-type: none"> A. a description of the nature, timing and cause of the incident; B. an assessment of any adverse effects of the incident on the environment; and C. a description of remedial and/or mitigation measures to address the incident and to prevent the incident recurring in the future. b) Any remedial or mitigation measures described in the incident report required by clause (a)(ii) must be implemented within ten (10) working days of the incident report being provided to the Regional Council or as soon as reasonably practicable following the incident. c) Where an incident is reported to the Regional Council, the Regional Council may request that a management plan be changed in accordance with the process set out in the conditions of these resource consents to reduce the potential for the same incident to occur again.
RCM4	<p>Construction management standards</p> <ul style="list-style-type: none"> a) All earthmoving machinery, pumps, generators and ancillary equipment must be operated to ensure that spillages of fuel, oil and similar contaminants are prevented. b) Refuelling, lubrication or fluid changing activities for plant and equipment must be carried out either: <ul style="list-style-type: none"> i. at least twenty (20) metres from a stream or natural wetland identified on the Stormwater: Drainage Layout Plans or Ecology Plans included in the Application; or ii. within a containment bund that has a capacity of one hundred (100%) percent of the liquid storage -capacity of equipment and storage facilities at the site where the refuelling or lubrication activities occur. c) Clause (b) does not apply where refuelling or lubrication activities are necessary as part of bridge construction and in such circumstances: <ul style="list-style-type: none"> i. spill kits must be at the site at all times; and ii. refuelling must be undertaken by two people so that the emergency stop button can be activated at any time.
RCM5	<p>Construction Environmental Management Plan</p>

Condition Number	Condition
	<ul style="list-style-type: none"> a) A Construction Environmental Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions. b) The Construction Environmental Management Plan, except for those parts that are separately required to be certified by these conditions of resource consent, must be provided to the Regional Council for information prior to the commencement of construction activities authorised by these resource consents.
RCM6	<p>Amending the Construction Environmental Management Plan</p> <ul style="list-style-type: none"> a) Except where clause (b) applies, if the Construction Environmental Management Plan required by Condition RCM5 is updated, the revised Construction Environmental Management Plan must be provided to the Regional Council within five (5) working days of the update being made. b) Clause (a) does not apply to the following plans: <ul style="list-style-type: none"> i. Ecology Management Plan that may be amended in accordance with Conditions REM2 or REM3; ii. Construction Air Quality Management Plan that may be amended in accordance with Conditions RAQ4 or RAQ5; iii. Erosion and Sediment Control Plan that may be amended in accordance with Conditions RES3 or RES4.
Tangata Whenua Values	
RTW1	[Placeholder]
RTW2	[Placeholder]
RTW3	<p>Muaūpoko Management Plan</p> <ul style="list-style-type: none"> a) <u>Prior to the commencement of construction activities authorised by these resource consents, a-A</u> Muaūpoko Management Plan or Plans must be prepared to achieve the objectives, and include the content, set out in Schedule 3 to these conditions. b) The consent holder must invite Muaūpoko Tribal Authority to endorse a person or persons to prepare the Muaūpoko Management Plan or Plans required by clause (a). c) <u>Prior to the commencement of construction activities authorised by these resource consents the a</u> <u>Muaūpoko Management Plan or Plans required by clause (a) must be provided to the Regional Council for information.</u>
RTW4	<p>Ngāti Raukawa ki te Tonga Management Plan</p> <ul style="list-style-type: none"> a) <u>Prior to the commencement of construction activities authorised by these resource consents, a-A</u> Ngāti Raukawa ki te Tonga Management Plan or Plans must be prepared to achieve the objectives, and include the content, set out in Schedule 4 to these conditions. b) The consent holder must invite-the Hāpu of Ngāti Raukawa ki te Tonga to together endorse a person or persons to prepare the Ngāti Raukawa ki te Tonga Management Plan or Plans required by clause (a). c) <u>Prior to the commencement of construction activities authorised by these resource consents the</u> <u>Ngāti Raukawa ki te Tonga Management Plan or Plans required by clause (a) must be provided to the Regional Council for information.</u>

Condition Number	Condition										
Archaeology											
RAH1	<p>Archaeology discovery protocol</p> <p>a) In the event that construction activities result in the discovery or disturbance of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga, the consent holder must immediately cease further work in the immediate vicinity of the discovery or disturbance and inform:</p> <ol style="list-style-type: none"> i. the Project Iwi Partners; ii. Heritage New Zealand Pouhere Taonga; iii. the Regional Council; and iv. in the event of kōiwi tangata being discovered, the New Zealand Police. <p>b) Further work in the immediate vicinity of the discovery or disturbance must be suspended until:</p> <ol style="list-style-type: none"> i. the measures set out in the Waka Kotahi NZ Transport Agency <i>'Minimum Standard P45 Accidental Archaeological Discovery Specification'</i> (August 2018) are put in place; ii. Project Iwi Partners have advised that the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga or work can otherwise recommence; iii. the Regional Council has advised that work can recommence because the discovery or disturbance is not of an archaeological site, kōiwi tangata, wāhi tapu or wāhi taonga; and iv. the consent holder advises the Project Iwi Partners and Regional Council in writing that an archaeology authority is not required by the Heritage New Zealand Pouhere Taonga Act 2104; or v. an archaeology authority under the Heritage New Zealand Pouhere Taonga Act 2014 has been obtained. <p>c) Clauses (a) and (b) do not apply, and are superseded, where the works are subject to an archaeological authority granted under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014.</p>										
Terrestrial Ecology											
RTE1A	<p>Forest and treeland retention</p> <p>a) The forest and treelands in Table RTE-1A must be retained, with vegetation removal in these habitats limited to, where required:</p> <ol style="list-style-type: none"> i. the removal of pest plants; or ii. the removal of vegetation for health and safety purposes. <p style="text-align: center;">Table RTE-1A: Retained Habitats</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #005596; color: white;">Forest and treeland</th> <th style="background-color: #005596; color: white;">Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td>Indigenous terrestrial forest</td> <td>ITF1, ITF2, ITF3, ITF5, ITF7</td> </tr> <tr> <td>Indigenous terrestrial treeland</td> <td>ITT07</td> </tr> <tr> <td>Exotic terrestrial forest (Arapaepae Bush only)</td> <td>ETF7, ETF8</td> </tr> <tr> <td>Mixed indigenous-exotic terrestrial forest</td> <td>MTF3, MTF6, MTF7, MTF8</td> </tr> </tbody> </table> <p>* The habitat types are identified and mapped on the Ecology Plans included in the Application.</p>	Forest and treeland	Habitat type reference*	Indigenous terrestrial forest	ITF1, ITF2, ITF3, ITF5, ITF7	Indigenous terrestrial treeland	ITT07	Exotic terrestrial forest (Arapaepae Bush only)	ETF7, ETF8	Mixed indigenous-exotic terrestrial forest	MTF3, MTF6, MTF7, MTF8
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Mixed indigenous-exotic terrestrial forest	MTF3, MTF6, MTF7, MTF8										
RTE1	<p>Forest and wetland removal</p> <p>a) The area of wetland and forest removed as part of work authorised by these resource consents is limited to the maximum areas of habitat types in Table RTE-1.</p>										

Condition Number	Condition																																																
	<p style="text-align: center;">Table RTE-1: Forest and Wetland Removal</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #005596; color: white;">Forest and wetland</th> <th style="background-color: #005596; color: white;">Habitat type reference*</th> <th style="background-color: #005596; color: white;">Area (ha)</th> </tr> </thead> <tbody> <tr> <td>Mahoe-dominant forest and scrub</td> <td>ITF4, ITS1, ITS1d, MTS4, MTF6d</td> <td>2.85</td> </tr> <tr> <td>Planted indigenous forest</td> <td>ITF5</td> <td>0.40</td> </tr> <tr> <td>Indigenous treeland</td> <td>ITT01, ITT02, ITT04, ITT05, ITT06</td> <td>0.23</td> </tr> <tr> <td>Mixed indigenous-exotic forest and scrub</td> <td>MTS2, MTS3 MTF1, MTF2, MTF5</td> <td>0.80</td> </tr> <tr> <td>Exotic riparian scrub, forest, and vineland</td> <td>ETF1</td> <td>0.40</td> </tr> <tr> <td>Exotic forest and treeland (indigenous component only)</td> <td>ETF1, ETF3, ETF4</td> <td>0.68</td> </tr> <tr> <td>Indigenous dominant fernland (wetland)</td> <td>ITFn01, IWFn1, MWFn1</td> <td>0.11</td> </tr> <tr> <td>Exotic-dominant wetland (outside of Parauaku Swamp)</td> <td>EWH1d, EWH2, EWH7, EWH9, EWH10, EWH10d, EWRs1, EWRs1d</td> <td>1.54</td> </tr> <tr> <td>Exotic-dominant wetland (portions of Parauaku Swamp)</td> <td>EWH1, EWH3, EWH5, EWH8, EWRs2, EWRs3</td> <td>0.47</td> </tr> <tr> <td>Raupō wetland</td> <td>IWRe1</td> <td>0.12</td> </tr> <tr> <td><i>Isolepis prolifer</i> dominated wetlands</td> <td>IWSe1, IWSe2,</td> <td>0.13</td> </tr> <tr> <td>Kiokio-spike sedge-kāpūngāwhā sedgeland</td> <td>IWSe5</td> <td>0.04</td> </tr> <tr> <td>Mixed exotic-indigenous wetlands</td> <td>MWSe2, MWSe3, MWSe4, MWG1, MWG1d, MWG2, MWG3, MWH1, MWV1, MWRS1, MWSe1 - SPG, MWSe1 - SPGd</td> <td>0.83</td> </tr> <tr> <td>Rautahi sedgeland wetlands</td> <td>IWSe3</td> <td>0.07</td> </tr> <tr> <td>Open water</td> <td>OW</td> <td>0.34</td> </tr> </tbody> </table> <p>* The habitat types are identified and mapped on the Ecology Plans included in the Application,</p> <p>b) Prior to the removal of any habitat types listed in Table RTE-1, the area of wetland or terrestrial vegetation to be removed must be delineated physically, where practicable, otherwise distinguished through digital mapping from the area of habitat that is to be retained.</p>	Forest and wetland	Habitat type reference*	Area (ha)	Mahoe-dominant forest and scrub	ITF4, ITS1, ITS1d, MTS4, MTF6d	2.85	Planted indigenous forest	ITF5	0.40	Indigenous treeland	ITT01, ITT02, ITT04, ITT05, ITT06	0.23	Mixed indigenous-exotic forest and scrub	MTS2, MTS3 MTF1, MTF2, MTF5	0.80	Exotic riparian scrub, forest, and vineland	ETF1	0.40	Exotic forest and treeland (indigenous component only)	ETF1, ETF3, ETF4	0.68	Indigenous dominant fernland (wetland)	ITFn01, IWFn1, MWFn1	0.11	Exotic-dominant wetland (outside of Parauaku Swamp)	EWH1d, EWH2, EWH7, EWH9, EWH10, EWH10d, EWRs1, EWRs1d	1.54	Exotic-dominant wetland (portions of Parauaku Swamp)	EWH1, EWH3, EWH5, EWH8, EWRs2, EWRs3	0.47	Raupō wetland	IWRe1	0.12	<i>Isolepis prolifer</i> dominated wetlands	IWSe1, IWSe2,	0.13	Kiokio-spike sedge-kāpūngāwhā sedgeland	IWSe5	0.04	Mixed exotic-indigenous wetlands	MWSe2, MWSe3, MWSe4, MWG1, MWG1d, MWG2, MWG3, MWH1, MWV1, MWRS1, MWSe1 - SPG, MWSe1 - SPGd	0.83	Rautahi sedgeland wetlands	IWSe3	0.07	Open water	OW	0.34
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RTE1B	<p>Direct transfer of wetland vegetation</p> <p>a) The removal of wetland habitat provided by Table RTE-1, must include the translocation of the following wetland vegetation types to the wetland restoration sites:</p> <ol style="list-style-type: none"> i. raupo reedland (0.25 hectare); ii. rautahi sedgeland (0.07 hectare); iii. bracken-whekī fernland (0.03 hectare); and iv. kiokio-spike sedge-kāpūngāwhā sedgeland (0.04 hectare). <p>b) If the direct transfer of wetland vegetation required by clause (a) fails either entirely or in part, replacement planting with eco-sourced plant species must be undertaken the following spring.</p>																																																

Condition Number	Condition
RTE1C	<p>Gravelfield habitat loss</p> <p>a) Where bridge abutments and associated construction activities results in the loss of gravelfield habitat, identified and mapped as 'TG1' on the Ecology Plans included in the Application, the area gravelfield habitat lost must be confirmed and addressed in accordance with Condition REM17 by the direct transfer of gravel habitat to other parts of the river and/or the restoration of adjacent gravelfield through weed control <u>and appropriate</u> indigenous planting.</p>
RTE2	<p>'At Risk or 'Threatened' braided river bird species</p> <p>a) Prior to construction activities authorised by these resource consents occurring during the months of July to March inclusive in gravelfield habitat, identified and mapped as 'TG1' on the Ecology Plans included in the Application, a pre-construction survey of this habitat must be undertaken to identify any nesting 'At Risk' or 'Threatened' braided river bird species as defined by the Department of Conservation New Zealand Threat Classification System.</p> <p>b) Where an active nesting site is identified by the pre-construction survey required by clause (a), a fifty (50) metre radius exclusion zone, measured from the nest, must be established within which no person or machinery may enter until the chicks have fledged or the nest has failed or otherwise been naturally abandoned.</p> <p>c) Where no active nesting site is identified by the pre-construction survey required by clause (a):</p> <ol style="list-style-type: none"> i. nest deterrents must be placed within the construction area where that area intersects with the habitat of 'At Risk' or 'Threatened' braided river bird species; and ii. works authorised by these resource consents must commence within three (3) days of the survey required by clause (a) being undertaken. <p>d) Where the nest deterrents required by clause (c) are in place, a monthly survey must be undertaken to identify any nesting 'At Risk' or 'Threatened' braided river bird species.</p> <p>e) Where an active nesting site is identified by a monthly survey required by clause (d), works may continue subject to a suitably qualified person or persons confirming that the works will not cause the nest to fail.</p> <p>f) Where the nest deterrents required by clause (c) are not in place and where construction activities cease for a period of more than seven (7) consecutive days during the months of July to March inclusive, the survey required by clause (a), and the subsequent action required by clauses (b) and (c) must be repeated.</p> <p>g) The results of the survey required by clause (a) must be provided to the Regional Council prior to the construction activities occurring in the habitats listed in clause (a).</p>
RTE3	<p>'At Risk or 'Threatened' wetland bird species</p> <p>a) Prior to works authorised by these resource consents occurring during the months of September to January inclusive in in habitat identified as 'IWRe1', 'ITFn01', 'IWFn1', 'MWFn1', 'IWSe1', 'IWSe2', 'IWSe3', 'MWRs1' and 'IWSe5' on the Ecology Plans included in the Application, a pre-construction survey of these habitats must be undertaken to identify any nesting 'At Risk' or 'Threatened' wetland bird species as defined by the Department of Conservation New Zealand Threat Classification System.</p> <p>b) Where an active nesting site is identified, or the presence of a breeding pair is confirmed, by the pre-construction survey required by clause (a), a fifty (50) metre radius exclusion zone, measured from the nest or area of the wetland where breeding birds were recorded, must be established within which no person or machinery may enter until the chicks have fledged or the nest has failed or otherwise been naturally abandoned.</p> <p>c) Where no active nesting site or breeding birds are identified by the pre-construction survey required by clause (a) works authorised by these resource consents must commence within three</p>

Condition Number	Condition														
	<p>(3) days of the survey required by clause (a) being undertaken.</p> <p>d) Where works authorised by these resource consents have commenced and a nest is established, or likely to have established based on the presence of a breeding pair, works may continue subject to:</p> <p style="padding-left: 20px;">i. <u>a suitably qualified person or persons confirming that the works will not cause the nest to fail; and</u></p> <p style="padding-left: 20px;">ii. <u>within three (3) working days of the advice received under clause (d)(i), written confirmation is provided to the Regional Council that the works will continue in accordance with clause (d)(i).</u></p> <p>e) Where construction activities cease for a period of more than seven (7) consecutive days during the months of September to January inclusive, the survey required by clause (a), and the subsequent action required by clauses (b) and (c) must be repeated.</p> <p>f) The results of the survey required by clause (a) must be provided to the Regional Council prior to the construction activities occurring in the habitats listed in clause (a).</p>														
RTE4	<p>New Zealand pipit</p> <p>a) Prior to the commencement of the New Zealand pipit breeding season rank grassland, identified as 'ETG1' on the Ecology Plans included in the Application, that is not being actively grazed must be mowed and then maintained to continuously achieve a length of less than 200mm long between the months of August to March inclusive where that area may accommodate construction activities during the same period.</p> <p>b) Where grass exceeds 200mm in rank grassland, identified as 'ETG1' on the Ecology Plans included in the Application between the months of August to March inclusive, a pre-construction survey of must be undertaken to identify any nesting New Zealand pipit</p> <p>c) Where an active nesting site is identified by the pre-construction survey required by clause (b), a fifty (50) metre radius exclusion zone, measured from the nest, must be established within which no person or machinery may enter, until the chicks have fledged or the nest has failed or otherwise been naturally abandoned.</p> <p>d) Where no active nesting site is identified by the pre-construction survey required by clause (b) construction activities authorised by these resource consents that are located in the rank grassland subject to the survey must commence within three (3) days of the survey required by clause (b) being undertaken.</p>														
RTE5	<p>Lizards</p> <p>a) Prior to the clearance of vegetation in the habitats listed in Table RTE-5, a pre-construction lizard survey and salvage must be undertaken to identify, capture and relocate lizards.</p> <p style="text-align: center;">Table RTE-5: Lizard Habitat</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #1a3d4d; color: white;">Habitat</th> <th style="background-color: #1a3d4d; color: white;">Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td>Māhoe forest and scrub</td> <td>ITF4</td> </tr> <tr> <td>Tarata-rewarewa forest</td> <td>ITF6</td> </tr> <tr> <td>Māhoe-karamū scrub</td> <td>ITS1</td> </tr> <tr> <td>Māhoe-barberry-<i>Muehlenbeckia australis</i> forest and scrub</td> <td>MTF1</td> </tr> <tr> <td>Mixed indigenous-exotic planted forest</td> <td>MTF5</td> </tr> <tr> <td>Barberry scrub with emergent tōtara</td> <td>MTS2</td> </tr> </tbody> </table>	Habitat	Habitat type reference*	Māhoe forest and scrub	ITF4	Tarata-rewarewa forest	ITF6	Māhoe-karamū scrub	ITS1	Māhoe-barberry- <i>Muehlenbeckia australis</i> forest and scrub	MTF1	Mixed indigenous-exotic planted forest	MTF5	Barberry scrub with emergent tōtara	MTS2
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RTE6	<p data-bbox="316 954 608 983">Indigenous invertebrates</p> <p data-bbox="316 992 1406 1115">a) Prior to the clearance of vegetation in the habitats listed in Table RTE-6, a preconstruction survey must be undertaken to identify, capture and relocate 'At Risk' or 'Threatened' indigenous invertebrate species as defined by the Department of Conservation New Zealand Threat Classification System.</p> <p data-bbox="635 1126 1155 1155" style="text-align: center;">Table RTE-6: Indigenous Invertebrate Habitat</p> <table border="1" data-bbox="363 1158 1406 1364"> <thead> <tr> <th>Habitat</th> <th>Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td>Māhoe forest and scrub</td> <td>ITF4</td> </tr> <tr> <td>Tarata-rewarewa forest</td> <td>ITF6</td> </tr> <tr> <td>Crack willow forest/scrub (riparian)</td> <td>ETF1</td> </tr> </tbody> </table> <p data-bbox="395 1377 1302 1406">* The habitat types are identified and mapped on the Ecology Plans included in the Application,</p> <p data-bbox="316 1413 1385 1895">b) Where the following invertebrate species are identified during the survey required by clause (a), they must also be captured and relocated: i. Wainuia (<i>Wainuia umula</i>); ii. Peripatus (<i>Peripatoides novaezealandiae</i>); iii. Auckland tree weta (<i>Hemideina thoracica</i>); iv. Wellington tree weta (<i>Hemideina crassidens</i>); vi. Stick insects (<i>Clitarchus</i> spp.). c) Where invertebrate species are captured as part of the surveys required by clauses (a) and (b), 'At Risk' and 'Threatened' species should be relocated to the lizard relocation area required by Condition REM10, while all other invertebrate species must be relocated to the closest similar and suitable habitat. d) Construction activities authorised by these resource consents that are located in the habitats listed in Table RTE-6, and subject to the survey required by clause (a), must commence within fifteen (15) days of the survey being undertaken.</p>	Habitat	Habitat type reference*	Māhoe forest and scrub	ITF4	Tarata-rewarewa forest	ITF6	Crack willow forest/scrub (riparian)	ETF1						
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RTE7	Indigenous buffer planting														

Condition Number	Condition																										
	<p>a) Subject to landowner agreement where the planting is on private property, indigenous buffer planting must be provided where the Project is adjacent to the habitats listed in Table RTE-7:</p> <p style="text-align: center;">Table RTE-7: Indigenous Buffer Planting</p> <table border="1" data-bbox="360 465 1407 730"> <thead> <tr> <th>Adjacent Habitat</th> <th>Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td>Tawa forest (one remnant)</td> <td>ITF1</td> </tr> <tr> <td>Tawa-kohekohe forest (two remnants)</td> <td>ITF2</td> </tr> <tr> <td>Puka-kōhūhū forest/planted indigenous forest (one remnant)</td> <td>ITF5</td> </tr> <tr> <td>Tawa-tītoki treeland (one remnant)</td> <td>ITT07</td> </tr> <tr> <td>Arapaepae Bush</td> <td>ITF7, MTF3, MTF7 and MTF8</td> </tr> </tbody> </table> <p>* The habitat types are identified and mapped on the Ecology Plans included in the Application.</p> <p>b) The indigenous buffer planting required by clause (a) must:</p> <ol style="list-style-type: none"> i. be between the Project and the adjacent habitat; ii. be undertaken prior to the commencement of construction activities where it is practicable to do so <u>or before the end of the first planting season following the Project being open to the public</u>; iii. be a minimum width of ten (10) metres, except in locations where ten (10) metres width is not available within the Project Area because of existing tracks, existing roads or the area of the construction footprint; iv. consist of species that reach a height similar to the adjacent indigenous vegetation; and v. consist of indigenous plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site. 	Adjacent Habitat	Habitat type reference*	Tawa forest (one remnant)	ITF1	Tawa-kohekohe forest (two remnants)	ITF2	Puka-kōhūhū forest/planted indigenous forest (one remnant)	ITF5	Tawa-tītoki treeland (one remnant)	ITT07	Arapaepae Bush	ITF7, MTF3, MTF7 and MTF8														
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<p>RTE8</p>	<p><u>Bat roost survey</u></p> <p>a) <u>Prior to the commencement of construction activities authorised by these resource consents, a survey of the habitats listed in Table RTE-8 must be undertaken during the months of October to April inclusive to identify the presence of roosting bats.</u></p> <p style="text-align: center;"><u>Table RTE-8: Potential Bat Habitat</u></p> <table border="1" data-bbox="360 1368 1407 1937"> <thead> <tr> <th>Habitat</th> <th>Habitat type reference*</th> </tr> </thead> <tbody> <tr> <td><u>Crack willow forest/scrub (riparian)</u></td> <td><u>ETF1</u></td> </tr> <tr> <td><u>Eucalyptus forest</u></td> <td><u>ETF2</u></td> </tr> <tr> <td><u>Radiata pine forest</u></td> <td><u>ETF3</u></td> </tr> <tr> <td><u>Exotic treeland and forest</u></td> <td><u>ETF4</u></td> </tr> <tr> <td><u>Māhoe forest and scrub</u></td> <td><u>ITF4</u></td> </tr> <tr> <td><u>Tarata-rewarewa forest</u></td> <td><u>ITF6</u></td> </tr> <tr> <td><u>Kāmahi-kānuka treeland</u></td> <td><u>ITT01</u></td> </tr> <tr> <td><u>Karaka-tawa treeland</u></td> <td><u>ITT02</u></td> </tr> <tr> <td><u>Ti kōuka treeland</u></td> <td><u>ITT04</u></td> </tr> <tr> <td><u>Tītoki treeland</u></td> <td><u>ITT05</u></td> </tr> <tr> <td><u>Tawa-tītoki treeland</u></td> <td><u>ITT06</u></td> </tr> <tr> <td><u>Mixed indigenous-exotic forest and scrub</u></td> <td><u>MTF5</u></td> </tr> </tbody> </table> <p>* <u>The habitat types are identified and mapped on the Ecology Plans included in the Application.</u></p>	Habitat	Habitat type reference*	<u>Crack willow forest/scrub (riparian)</u>	<u>ETF1</u>	<u>Eucalyptus forest</u>	<u>ETF2</u>	<u>Radiata pine forest</u>	<u>ETF3</u>	<u>Exotic treeland and forest</u>	<u>ETF4</u>	<u>Māhoe forest and scrub</u>	<u>ITF4</u>	<u>Tarata-rewarewa forest</u>	<u>ITF6</u>	<u>Kāmahi-kānuka treeland</u>	<u>ITT01</u>	<u>Karaka-tawa treeland</u>	<u>ITT02</u>	<u>Ti kōuka treeland</u>	<u>ITT04</u>	<u>Tītoki treeland</u>	<u>ITT05</u>	<u>Tawa-tītoki treeland</u>	<u>ITT06</u>	<u>Mixed indigenous-exotic forest and scrub</u>	<u>MTF5</u>
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Condition Number	Condition
	<p><u>b) Where the survey required by clause (a) identifies the presence of roosting bats, the requirements of Condition REM5 apply.</u></p>
<p>Freshwater Ecology</p>	
<p>RFE1</p>	<p>Fish removal or recovery</p> <p>a) Where practicable, construction activities should be avoided in a reach of a stream or wetland during the times when migratory fish species could be expected to be passing through the affected reach;</p> <p>b) Fish, Kōura and Kākahi must be deterred, removed or recovered from any streams or wetland up to a maximum of three (3) days prior to the commencement of construction activities authorised by these resource consents that may impact the reach of stream or wetlands by:</p> <ul style="list-style-type: none"> i. capture and relocation in accordance with clause (d); and ii. the use of techniques to encourage fish, Kōura or Kākahi species to move out of the impacted reach. <p>c) The fish, Kōura and Kākahi removal, recovery and relocation must be undertaken in consultation with Project Iwi Partners and include an invitation for representatives of the Project Iwi Partners to be present during fish, Kōura and Kakahi recovery activities.</p> <p>d) Fish, Kōura and Kākahi recovery must, depending on habitat type, be undertaken by using a combination of:</p> <ul style="list-style-type: none"> i. electro-fishing; ii. trapping; iii. spotlighting and netting; or iv. dewatering and muck out; and v. relocating to a suitable habitat; <p>e) Except where clause (f) applies, the fish recovery required by clause (b) must continue until:</p> <ul style="list-style-type: none"> i. a declining capture rate of 8990% between the first <u>or second (whichever is the greater) recover event</u> and last recovery event is achieved; ii. no brown trout, rainbow trout, Taonga species, 'Threatened' species or 'At Risk – Declining' species are captured. <p>f) Where fish numbers are low, such that compliance with clause (e)(i) cannot be achieved, the fish recovery must be completed as directed by a suitably qualified and experienced person or persons.</p> <p>g) Where pest fish species and exotic fish, with the exception of sports fish, are captured they must be humanely euthanised.</p> <p>h) Prior to the decommissioning of any temporary diversion channels, fish, Kōura and Kākahi must be captured and relocated in accordance with clause (b).</p> <p>i) A record of the species and number of individual fish recovered in accordance with clause (b) must be provided to the Regional Council on a quarterly basis.</p>
<p>RFE1A</p>	<p>Artificial lighting</p> <p>a) Artificial lighting associated with the Project must not result in any direct light spill onto the surface of a stream or wetland.</p> <p>b) Compliance with clause (a) may be achieved by lighting design or through the riparian planting, and subsequent canopy closure, shown on sheet 3 and sheet 18 of the Planting Concept Plans: Indicative Typology and the Planting Concept Plans: RMA Purpose Type included in the</p>

Condition Number	Condition
	Application.
RFE2	<p>Fish passage <u>during construction</u></p> <p>a) Fish passage must be maintained at all times in the following waterbodies:</p> <ol style="list-style-type: none"> i. Kuku Stream ii. Ohau River; iii. Stream 27.1; iv. Waikawa Stream; v. Manakau Stream; vi. Waiauti Stream. <p>b) Except where (ba) applies, fish passage must be provided for temporary diversions and culverts that are in place for a period of more than seven (7) days where the works relate to the streams identified in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in the Application.</p> <p>b) In addition to the requirements for culverts in Condition RWB1, fish passage must be provided through the new permanent culverts listed as requiring fish passage in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in the Application when the culvert is livened.</p> <p>c) Once a permanent culvert is livened, fish passage upstream and downstream through the culverts listed in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in the Application must be maintained and monitored to ensure that the provision for fish passage does not reduce over its lifetime.</p>
<u>RFE2A</u>	<p><u>Permanent fish passage</u></p> <p>a) In addition to the requirements for culverts in Condition RWB1, fish passage must be provided through the new permanent culverts listed as requiring fish passage in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in the Application when the culvert is livened.</p> <p>b) Once a permanent culvert is livened, fish passage upstream and downstream through the culverts listed in the 'Catchment Culvert, Swale and Pond/Wetland Schedule' in the Application must be maintained and monitored to ensure that the provision for fish passage does not reduce over its lifetime.</p>
RFE3	<p>Information about culverts and fish passage</p> <p>a) Within twenty (20) working days of the installation of a culvert, and each time each time a significant natural hazard affects the structure, the information required by Regulations 62, 63 and 68 of the Resource Management (National Environmental Standards for Freshwater) Regulations 2020 must be collected and provided to the Regional Council.</p>
RFE4	<p>Freshwater ecology monitoring</p> <p>a) Freshwater ecology monitoring must be carried out at existing water quality monitoring sites, where the sites are suitable for deposited sediment and macroinvertebrate monitoring;</p> <p>b) The monitoring required by clause (a) must include:</p> <ol style="list-style-type: none"> i. baseline monitoring; ii. routine monitoring in each catchment when construction activities are being undertaken in that catchment; iii. trigger rainfall event-based monitoring in each catchment when construction activities are being undertaken in that catchment, where the trigger rainfall event is set out in a certified Erosion and Sediment Control Plan required by Condition RES2;

Condition Number	Condition
	<ul style="list-style-type: none"> iv. post-construction monitoring; and v. include an upstream and downstream location for each identified site. c) Baseline and routine monitoring during construction must include: <ul style="list-style-type: none"> i. monthly monitoring of pH, deposited sediment, algal composition and cover, water depths, water velocity, wetted channel width, water clarity and photos of stream bed; and ii. quarterly monitoring of macroinvertebrates and substrate size. d) Where only a downstream monitoring site exists and the quarterly routine monitoring required by clause (c) identifies a greater than 15% decrease in median Quantitative Macroinvertebrate Community Index (QMCI) or median average score per metric (ASPM) compared to baseline data, and taking into account any natural variation observed during baseline monitoring, the response action(s) set out in the Ecology Management Plan required by Condition REM1 and the Erosion and Sediment Control Plan required by Condition RES2 must be implemented so that the trigger levels are no longer exceeded. e) Where paired upstream and downstream monitoring sites exist and the quarterly routine monitoring required by clause (c) identifies a greater than 20% decrease in median Quantitative Macroinvertebrate Community Index (QMCI) or median average score per metric (ASPM) compared to upstream data, and taking into account any natural variation observed during baseline monitoring, the response action(s) set out in the Ecology Management Plan required by Condition REM1 and the Erosion and Sediment Control Plan required by Condition RES2 must be implemented so that the trigger levels are no longer exceeded. f) Except where no change is observed during routine monitoring of a waterbody, freshwater monitoring must be undertaken on a quarterly basis for at least twelve (12) months following the completion of construction activities in a catchment, except where the Regional Council agree in writing to a shorter monitoring period. g) Where only a downstream site exists and the post-construction monitoring required by clause (f) identifies a greater than 15% decrease in median QMCI or ASPM compared to baseline data (incorporating construction period routine monitoring data excluding trigger events data), the Ecology Management Plan must be revised to provide for further monitoring, mitigation or offsetting and certified in accordance with REM3. h) Where paired upstream and downstream monitoring sites exist and the post-construction monitoring required by clause (f) identifies a greater than 20% decrease in median QMCI or ASPM at the downstream site compared to the upstream site (taking into account natural variation observed during baseline monitoring and if appropriate, construction period routine monitoring data where no trigger breaches were observed), the Ecology Management Plan must be revised to provide for further monitoring, mitigation or offsetting and certified in accordance with REM3. i) A summary report of the monitoring undertaken must be included in the Annual Report required by Condition RGA3. j) Records of freshwater ecology monitoring must be made available to the Regional Council and Project Iwi Partners on request.
Ecology Management Offset and Compensation	
REM1	<p>Ecology Management Plan</p> <ul style="list-style-type: none"> a) An Ecology Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 7 to these conditions of resource consent and must be certified in writing as set out in Condition REM2. b) The Ecology Management Plan required by clause (a) must be prepared in consultation with the Project Iwi Partners and the Department of Conservation.

Condition Number	Condition
REM2	<p>Ecology Management Plan certification</p> <ul style="list-style-type: none"> a) The Ecology Management Plan required by Condition REM1 must be provided to the Regional Council for technical certification at least forty (40) working days prior to the commencement of construction activities. b) Certification, or withholding certification, is based on whether the Ecology Management Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 7. c) If twenty (20) working days have passed since the Ecology Management Plan has been provided to the Regional Council and the Regional Council has not certified the Ecology Management Plan or provided advice that the Ecology Management is not suitable to certify, then the Ecology Management Plan is deemed certified and the consent holder may commence work in accordance with the Ecology Management Plan as provided. d) Notwithstanding clause (c), and subject to the requirements of other conditions of these resource consents, work may commence at any time following the certification of the Ecology Management Plan.
REM3	<p>Amending the Ecology Management Plan</p> <ul style="list-style-type: none"> a) The Ecology Management Plan may be amended or updated without the need for certification where: <ul style="list-style-type: none"> i. an amendment is necessary to achieve consistency with any authorisation given under section 53 of the Wildlife Act 1953; or ii. an amendment has a positive effect, no effect or a de minimis adverse effect on the environment; and iii. the revised Ecology Management Plan is provided to the Regional Council and within ten (10) working days of receiving the revised Ecology Management Plan, the Regional Council has not advised in writing that the amendment must be certified under clause (b) because the amendment does not meet the requirements of clauses (a)(i) or (a)(ii). b) Except as provided for in clause (a), amendments to the Ecology Management Plan must be certified in writing by the Regional Council prior to the commencement of any work to which the amended Ecology Management Plan relates. c) The amendment to the Ecology Management Plan must be prepared in consultation with the Project Iwi Partners and the Department of Conservation. d) Certification, or withholding certification, is based on whether the amendment to the Ecology Management Plan continues to meet the requirements of the relevant conditions of these resource consents, including as set out in Schedule 7. e) If twenty (20) working days have passed since amendment to the Ecology Management Plan has been provided to the Regional Council and the Regional Council has not certified the amended Ecology Management Plan or provided advise that the amendment is not suitable to certify, then the amended Ecology Management Plan is deemed certified and the consent holder may commence work in accordance with the amendment to the Ecology Management Plan as provided.
REM4	<p>Biosecurity</p> <ul style="list-style-type: none"> a) To avoid the spread of hornwort and <i>Didymosphenia geminata</i>, known as didymo: <ul style="list-style-type: none"> i. machinery or vehicles entering a waterbody must either: <ul style="list-style-type: none"> A. have a standdown of at least forty-eight (48) hours prior to being in contact with any waterbody in a different catchment; or B. be subject to check, clean and dry procedures.

Condition Number	Condition		
	<ul style="list-style-type: none"> ii. standard check, clean and dry procedures must be adopted for clothing or footwear that has been in contact with a waterbody in a different catchment within the previous forty-eight (48) hours. b) To avoid the spread of hornwort and <i>Gambusia affinis</i>, known as mosquito fish, all excavated material, including aquatic plant material, from waterbodies in the Koputaroa catchment must be retained in that catchment. c) To manage the risk of invasion by plague skinks, all potting mix and plant material must be inspected for individual skinks and eggs prior to entering a planting area. d) To manage the risk of myrtle rust, all new plantings of myrtle species must come from nurseries that are certified under Plant Pass, the voluntary biosecurity certification scheme offered by New Zealand Plant Producers, or an equivalent scheme. e) <u>To manage the spread of field horse tail and yellow brittlegrass:</u> <ul style="list-style-type: none"> i. <u>a pre-construction survey for the the presence of these species must be undertaken at all material supply sites identified on [drawing reference];</u> ii. <u>where the survey required by clause (e)(i) identifies the presence of these species:</u> <ul style="list-style-type: none"> A. <u>[what action?]</u> B. <u>[any other action?]</u> iii. <u>in addition to the survey required by clause (e)(i), where these species are discovered during construction the protocols set out in clause (e)(ii) must be implemented.</u> 		
REM5	<p>‘At Risk’ or ‘Threatened’ flora and fauna discovery protocol</p> <ul style="list-style-type: none"> a) If, when undertaking works authorised by these resource consents, any ‘At Risk’ or ‘Threatened’ flora or fauna as defined by the Department of Conservation New Zealand Threat Classification System and not specifically addressed by the conditions of these resource consents is discovered, the consent holder must identify and implement a course of action that may include the identification of areas where construction activities must cease and that: <ul style="list-style-type: none"> i. references the framework for the management of indigenous vegetation, habitats and fauna in the Ecology Management Plan; and ii. takes into account the outcomes of any consultation with the Project Iwi Partners and the Department of Conservation. b) Within fifteen (15) working days of a discovery, the consent holder must advise the Regional Council in writing of the course of action determined in accordance with clause (a). 		
REM6	<p>Measures to offset residual adverse effects on terrestrial and wetland ecology</p> <ul style="list-style-type: none"> a) Residual adverse effects of the works authorised by these resource consents on terrestrial and wetland ecology must be offset to result in a net indigenous biological diversity gain through the provision of: <ul style="list-style-type: none"> i. offset planting set out in Condition REM7; ii. replacement tree planting set out in Condition REM8; and iii. wetland offset restoration set out in Condition REM9. 		
REM7	<p>Offset planting</p> <ul style="list-style-type: none"> a) Except where revised through the process set out in Condition REM17, the offset planting in Table REM-7 must be provided. <p style="text-align: center;">Table REM-7: Planting to Offset Indigenous Vegetation and Habitat Removal</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">Indigenous Vegetation and Habitat</td> <td style="width: 50%;">Planting to Offset Removal (ha)</td> </tr> </table>	Indigenous Vegetation and Habitat	Planting to Offset Removal (ha)
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REM8	<p>Replacement tree planting</p> <p>a) Where any tree species listed in Table REM-8 with a diameter at breast height of more than ten (10) centimetres is removed from the indigenous treeland habitats identified as 'ITT01', 'ITT02', 'ITT03', 'ITT04', 'ITT005', and ITT06' on the Ecology Plans included in the Application, replacement planting must be undertaken at the ratios relative to tree diameter in Table REM-3.</p> <p style="text-align: center;">Table REM-8: Tree Replacement Ratios</p> <table border="1"> <thead> <tr> <th>Diameter at breast height</th> <th>Replacement Ratio</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">Tītōki, hināu, white maire, totara, pukatea, rewarewa</td> </tr> <tr> <td>10-20 cm</td> <td>10 to 1</td> </tr> <tr> <td>21-35 cm</td> <td>20 to 1</td> </tr> <tr> <td>36-49 cm</td> <td>30 to 1</td> </tr> <tr> <td>50+ cm</td> <td>50 to 1</td> </tr> <tr> <td colspan="2" style="text-align: center;">Māhoe, tarata, kāpuka/broadleaf</td> </tr> <tr> <td>10-20 cm</td> <td>5 to 1</td> </tr> <tr> <td>21+</td> <td>10 to 1</td> </tr> </tbody> </table> <p>b) Where any indigenous shrub species, poroporo (<i>Solanum aviculare</i> var. <i>aviculare</i>) plants that are over a height of one (1) metre are removed, each plant must be replaced by planting at a ratio of 1:1 in one or more of the sites where the offset planting required by Condition REM7 is undertaken.</p> <p>c) All plant material used, or seed sourced, for the purpose of the replacement planting required by clause (a) must be sourced from the rohe in which it is to be planted and/or be otherwise eco-sourced, where it is practicable to do so.</p> <p>d) Where the plant material used, or seed sourced, for the purpose of replacement planting is not able to be sourced from the rohe in which it is to be planted and/or be otherwise eco-sourced, the the Ecology Management Plan required by Condition REM1 must set out a process of consultation</p>	Diameter at breast height	Replacement Ratio	Tītōki, hināu, white maire, totara, pukatea, rewarewa		10-20 cm	10 to 1	21-35 cm	20 to 1	36-49 cm	30 to 1	50+ cm	50 to 1	Māhoe, tarata, kāpuka/broadleaf		10-20 cm	5 to 1	21+	10 to 1
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	with the Project Iwi Partners and the Regional Council to confirm an alternative source.								
REM9	<p>Wetland restoration offset</p> <p>a) Except where revised through the process set out in Condition REM17, the wetland restoration offset in Table REM-9 must be provided.</p> <p style="text-align: center;">Table REM-9: Wetland Restoration Offset</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Wetland Habitat Removal</th> <th>Restoration Offset (ha)</th> </tr> </thead> <tbody> <tr> <td>Combined wetland habitats (3.5 ha)</td> <td>4.90 ha of wetland restoration</td> </tr> <tr> <td>Open water (0.34 ha)</td> <td>0.48 ha of open water creation</td> </tr> </tbody> </table> <p>b) All plant material used, or seed sourced, for the purpose of the restoration offset required by clause (a) must be sourced from the rohe in which it is to be planted and/or be otherwise eco-sourced, where it is practicable to do so.</p> <p>c) Where the plant material used, or seed sourced, for the purpose of the restoration offset is not able to be sourced from the rohe in which it is to be planted and/or be otherwise eco-sourced, the Ecology Management Plan required by Condition REM1 must set out a process of consultation with the Project Iwi Partners and the Regional Council to confirm an alternative source.</p>	Wetland Habitat Removal	Restoration Offset (ha)	Combined wetland habitats (3.5 ha)	4.90 ha of wetland restoration	Open water (0.34 ha)	0.48 ha of open water creation		
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REM10	<p>Lizards Relocation Area</p> <p>a) Prior to the commencement of lizard surveys required by Condition RTE5, a predator-proof fence enclosing a minimum area of four (4) hectares of forest must be installed;</p> <p>b) Pest animal management within the predator-proof fence area must be undertaken immediately following the completion of the fence installation required by clause (a)-to achieve the following performance targets:</p> <ol style="list-style-type: none"> i. possums, rats, feral cats, feral pigs, hedgehogs and mustelids must be eradicated; ii. mice must be maintained at or below a 5% tracking tunnel index. <p>c) Pest animal management required by clause (b) and monitoring of the enclosed area for pest animal incursions must be undertaken until the completion of the period set out in Table REM10.</p> <p style="text-align: center;">Table REM-10: Lizard Relocation Area Management and Monitoring Period</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Number of lizards captured and relocated</th> <th>Duration (from relocation of last lizard)</th> </tr> </thead> <tbody> <tr> <td>Less than twenty (20) lizards</td> <td>Two (2) years</td> </tr> <tr> <td>Between twenty (20) and fifty (50) lizards</td> <td>Three (3) years</td> </tr> <tr> <td>More than fifty (50) lizards</td> <td>Five (5) years</td> </tr> </tbody> </table> <p>d) Habitat within the enclosed area must be enhanced through the provision of natural and/or artificial refugia.</p> <p>e) The enclosed area must be managed in accordance with the Lizard Relocation Area Management Plan that forms part of the Ecology Management Plan required by Condition REM1.</p>	Number of lizards captured and relocated	Duration (from relocation of last lizard)	Less than twenty (20) lizards	Two (2) years	Between twenty (20) and fifty (50) lizards	Three (3) years	More than fifty (50) lizards	Five (5) years
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REM11	<p>Measures to offset residual effects on freshwater ecology</p> <p>a) Except where revised through the process set out in Condition REM18, residual adverse effects on freshwater ecology must be offset to result in no net loss of ecological function through the provision of the following:</p> <ol style="list-style-type: none"> i. 2,179m² of new stream channel constructed and planted to a maximum width of twenty (20) metres and no less than five (5) metres; and ii. riparian planting of 17,384m² of existing streambed area with a width of between: 								

Condition Number	Condition															
	<p>A. three (3) metres and twenty (20) metres on both banks where a waterbody has a wetted bank to bank channel width of up to one (1) metre; and</p> <p>B. five (5) and twenty (20) metres where a waterbody has a wetted bank to bank channel width of greater than one (1) metre.</p> <p>b) The offset measures required by clause (a) must be completed within one (1) year of the road being open for public use, as far as practicable, and must achieve the following standards:</p> <ol style="list-style-type: none"> fencing must exclude livestock; stream creation and enhancement measures must be generally consistent with the design for stream diversions shown on the Stormwater: Typical Details Swales and Open Channels included in the Application, and implemented within three (3) years of the completion of construction; and all plant material must be sourced from the rohe in which it is to be planted or be otherwise eco-sourced except, where it is not practicable to do so, the Ecology Offset Site Layout Plan must set out a process of consultation with the Project Iwi Partners and the Regional Council to confirm an alternative source. <p>c) Where the offsetting measures required by clause (a) are subject to a 'Flood Control Drainage' value in Schedule B of the One Plan, consultation must be undertaken with the Horizons Area Engineer – Southern.</p>															
REM12	<p>Offsetting performance targets</p> <p>a) Performance targets for the offsetting required by Condition REM7 and Condition REM11 are set out in Table REM-12.</p> <p style="text-align: center;">Table REM-12 Offsetting and Mitigation Performance Targets</p> <table border="1" data-bbox="379 1146 1406 1973"> <thead> <tr> <th data-bbox="379 1146 721 1196">Habitat type</th> <th data-bbox="724 1146 1066 1196">Restoration outcome</th> <th data-bbox="1069 1146 1406 1196">Performance target</th> </tr> </thead> <tbody> <tr> <td colspan="3" data-bbox="379 1200 1406 1249" style="text-align: center;">Terrestrial offset planting</td> </tr> <tr> <td data-bbox="379 1254 721 1720"> <ul style="list-style-type: none"> - Exotic forest and treeland (indigenous) - Exotic riparian scrub, forest and vineland - Mixed indigenous-exotic forest and scrub - Planted indigenous forest - Māhoe dominant scrub and forest </td> <td data-bbox="724 1254 1066 1720"> <ul style="list-style-type: none"> - Combined revegetated area of 7.57 hectares that will form a closed canopy consisting of kanuka, a range of medium to large broadleaved shrub and tree species and taller canopy species such as tawa, kahikatea and totara. - Pest plants absent or suppressed to very low levels. </td> <td data-bbox="1069 1254 1406 1720"> <ul style="list-style-type: none"> - Livestock removed and planting areas fenced (where required by the Ecology Management Plan) prior to the commencement of planting. - Pest plants absent or suppressed after three (3) years from site preparation. - 90% canopy cover after eight (8) years from planting. - 90% survival of enrichment plants after five (5) years from planting. </td> </tr> <tr> <td colspan="3" data-bbox="379 1724 1406 1774" style="text-align: center;">Replacement tree planting</td> </tr> <tr> <td data-bbox="379 1778 721 1973"> <ul style="list-style-type: none"> - Indigenous treeland </td> <td data-bbox="724 1778 1066 1973"> <ul style="list-style-type: none"> - Establishment of a diverse range of indigenous canopy and sub-canopy tree species within the nominated recipient forest and wetland sites. </td> <td data-bbox="1069 1778 1406 1973"> <ul style="list-style-type: none"> - Livestock removed and planting areas fenced (where fencing is required by the Ecology Management Plan) prior to the commencement of planting. </td> </tr> </tbody> </table>	Habitat type	Restoration outcome	Performance target	Terrestrial offset planting			<ul style="list-style-type: none"> - Exotic forest and treeland (indigenous) - Exotic riparian scrub, forest and vineland - Mixed indigenous-exotic forest and scrub - Planted indigenous forest - Māhoe dominant scrub and forest 	<ul style="list-style-type: none"> - Combined revegetated area of 7.57 hectares that will form a closed canopy consisting of kanuka, a range of medium to large broadleaved shrub and tree species and taller canopy species such as tawa, kahikatea and totara. - Pest plants absent or suppressed to very low levels. 	<ul style="list-style-type: none"> - Livestock removed and planting areas fenced (where required by the Ecology Management Plan) prior to the commencement of planting. - Pest plants absent or suppressed after three (3) years from site preparation. - 90% canopy cover after eight (8) years from planting. - 90% survival of enrichment plants after five (5) years from planting. 	Replacement tree planting			<ul style="list-style-type: none"> - Indigenous treeland 	<ul style="list-style-type: none"> - Establishment of a diverse range of indigenous canopy and sub-canopy tree species within the nominated recipient forest and wetland sites. 	<ul style="list-style-type: none"> - Livestock removed and planting areas fenced (where fencing is required by the Ecology Management Plan) prior to the commencement of planting.
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Condition Number	Condition	
		<ul style="list-style-type: none"> - All woody pest plant species removed from Arapaepae Bush prior to planting. - 90% survival of replacement trees after five (5) years from planting.
	Aquatic offset planting	
	<ul style="list-style-type: none"> - Riparian planting 	<ul style="list-style-type: none"> - Riparian margins that are revegetated with appropriate indigenous species along a combined stream length of 8.7 km. - Planted riparian margins that will provide shade, woody debris, and habitat for aquatic fauna species. - Planted riparian margins that will form wildlife corridors across the landscape.
	Wetlands offset and mitigation planting	
	<ul style="list-style-type: none"> - Indigenous-dominated fernland - Rautahi sedgeland 	<ul style="list-style-type: none"> - Successful direct transfer of wetland plant material to nominated recipient wetland sites.
	<ul style="list-style-type: none"> - Raupō reedland 	<ul style="list-style-type: none"> - Restoration of a minimum of 0.25 hectares of raupō reedland including via the successful direct transfer of raupō rhizomes to nominated recipient wetland site.
	<ul style="list-style-type: none"> - Exotic-dominated wetlands - <i>Isolepis prolifer</i>-dominated wetlands - Mixed exotic-indigenous wetlands 	<ul style="list-style-type: none"> - Restoration of a minimum of 4.9 hectares of indigenous wetland vegetation.
REM13	<p>Sites for offset and compensation measures</p> <p>a) Vegetation clearance, water body diversions or water body loss authorised by these resource</p>	

Condition Number	Condition
	<p>consents must not commence until the Regional Council has been provided with written confirmation that the consent holder has entered into legal agreements or holds other authorisations necessary to allow entry onto land to carry out, continue and maintain all offset and compensation measures required by Condition REM6 and Condition REM11.</p> <p>b) The written confirmation provided under clause (a) must describe the specific legal arrangements that have been entered into, and may include land purchase, agreement by providing for covenanting or similar registered title instrument.</p>
REM14	<p>Ecology Offset Site Layout Plans</p> <p>a) Ecology Offset Site Layout Plans must be prepared for:</p> <ol style="list-style-type: none"> i. offset planting, replacement planting and wetland restoration required by Condition REM6; and ii. stream creation and riparian planting required by Condition REM11. <p>b) Ecology Offset Site Layout Plans must be prepared in consultation with the Project Iwi Partners and the landowners and include, but not be limited to:</p> <ol style="list-style-type: none"> i. a description of the offset measures to be implemented with reference to Condition REM6 and Condition REM11; ii. a site layout plan; iii. a programme for undertaking or implementing the offsetting measures; iv. a description of methods for the ongoing management of the offsetting measures; and v. confirmation that any necessary resource consents for the implementation of the offset measures have been obtained. <p>c) Any Ecology Offset Site Layout Plan must be provided to the Regional Council for information prior to the commencement of the offsetting measures described in that Ecology Offset Site Layout Plan.</p>
REM15	<p>Amending an Ecology Offset Site Layout Plan</p> <p>a) An Ecology Offset Site Layout Plan required by Condition REM14 may be amended in consultation with the Project Iwi Partners and the landowner/s.</p> <p>b) The amended Ecology Offset Site Layout Plan must be provided to the Regional Council within ten (10) working days of the amendment being made.</p>
REM16	<p>Offsetting oversight and implementation</p> <p>a) Prior to commencement of works authorised by these resource consents person or persons must be appointed to oversee the implementation of the measures required by Condition REM6, Condition REM10 and Condition REM11;</p> <p>b) The name of the person appointed under clause (a) must be advised in writing to the Regional Council.</p> <p>c) Where the person appointed under clause (a) is replaced temporarily or permanently, the name of the replacement person must be advised in writing to the Regional Council.</p> <p>d) Within thirty (30) working days of completion of the implementation of measures required by Condition REM6, Condition REM10 and Condition REM11, a report must be provided to the Regional Council to confirm that the work to implement the measures have been completed.</p>
REM17	<p>Review of measures to offset residual adverse effects on terrestrial and wetland ecology</p> <p>a) Prior to the commencement of construction activities, the offset and compensation measures required by Condition REM6 must be recalculated using the Biodiversity Offset Accounting Model</p>

Condition Number	Condition
	<p>methodologies, <u>including a reevaluation of the baseline assumptions of the recipient sites relative to the offsetting model calculations</u>, to reflect any revision to the area of terrestrial and wetland habitats removed as a result of the works authorised by these resource consents.</p> <p>b) Where the recalculation required by clause (a) results in offset requirements that differ to those required by Condition REM6, the Ecology Management Plan required by Condition REM1 must be revised to provide for the new offset requirements and certified in accordance with Condition REM2.</p>
REM18	<p>Review of measures to offset residual effects on freshwater ecology</p> <p>a) Prior to the commencement of construction activities, the offset measures required by Condition REM11 must be recalculated using stream ecological valuations and environmental compensation ratio methodologies, <u>including a reevaluation of the baseline assumptions of the recipient sites relative to the offsetting model calculations</u>, in respect of the Project construction impact on stream habitat and confirmed locations for the offsetting measures.</p> <p>b) Where the recalculation required by clause (a) results in offset requirements that differ to those required by Condition REM11, the Ecology Management Plan required by Condition REM1 must be revised to provide for the new offset requirements and certified in accordance with Condition REM2.</p>
REM19	<p>Offsetting monitoring</p> <p>a) Monitoring reports must be prepared and provided to the Regional Council for each of the ecology offset sites in the third, fifth and fifteenth year following the completion of the measures required by Condition REM6 and Condition REM11 as part of the Annual Report required by Condition RGA3.</p> <p>b) The reports required by clause (a) must:</p> <ol style="list-style-type: none"> i. summarise the progress towards achieving the performance targets in Condition REM12; ii. provide information on any incidents that have had a material impact on progress to achieving the performance targets in Condition REM12 and any measures that have been adopted to improve progress. <p>c) Eight (8) years after the completion of the measures required by Condition REM6 and Condition REM11, a monitoring report must be prepared and provided to the Regional Council and include:</p> <ol style="list-style-type: none"> i. a summary of progress towards achieving the following performance targets in Condition REM12; <ol style="list-style-type: none"> A. 90% canopy cover at terrestrial and wetland offset sites; B. presence of ten (10) canopy plant species at terrestrial offset sites; C. 80% canopy cover of raupō reedland following direct transfer; D. 80% canopy cover of indigenous-dominated fernland and rautahi sedgeland following direct transfer; ii. confirmation of whether net gain outcomes for terrestrial and wetland ecology have been achieved, or are expected to be achieved, with reference to the Biodiversity Offset Accounting Model; and iii. if necessary, set out any additional measures that must be implemented to achieve a net gain outcome. <p>d) If the report required by clause (c) does not confirm that net gain outcomes for terrestrial and wetland ecology are achieved, or expected to be achieved, the Ecology Management Plan required by Condition REM1 must be revised to provide for the new offset requirements and certified in accordance with Condition REM2.</p> <p>e) Between eight (8) years and fifteen (15) years from the completion of the measures required by</p>

Condition Number	Condition
	<p>Condition REM6 and Condition REM11 an annual check of all ecology offset sites must be undertaken to:</p> <ul style="list-style-type: none"> i. assess the overall condition of the offsetting measures; and ii. determine the presence of pest plant species that may require control, and <u>iii if necessary, determine any additional measures that must be implemented to achieve a net gain outcome.</u> <p>f) A summary of the annual checks required by clause (e) must be included in the Annual Report required by Condition RGA3.</p> <p>g) The monitoring report required by clause (a) at fifteen (15) years after the completion of the measures required by Condition REM6 and Condition REM11 must include:</p> <ul style="list-style-type: none"> i. a summary of progress towards achieving the following performance targets in Condition REM12; <ul style="list-style-type: none"> A. presence of 12 sub-canopy plant species (terrestrial offset sites); B. 70% cover of indigenous understorey and ground tier species (terrestrial offset sites).
Air Quality	
<p>RAQ1</p>	<p>Construction air quality standards</p> <ul style="list-style-type: none"> a) Discharges to air from works authorised by these resource consents must not cause noxious, dangerous, offensive or objectionable adverse effects at any point beyond the boundary of the Project Areasite. b) Stockpiled cleanfill material must be no more than five (5) metres in height above ground level, with the drop height of material on to the stockpile being no more than three (3) metres above the height of the stockpile. c) Where there has been no rain over a period of fourteen (14) days, the vegetation on the margins of the habitats listed in Table RTE-7 must be inspected for the presence of dust on foliage. d) Where, following an inspection required by clause (c), it is identified that washing the foliage is required, that washing must be undertaken within five (5) days, in the manner specified.
<p>RAQ1A</p>	<p>Visual-dDust inspections</p> <ul style="list-style-type: none"> a) A baseline visual-inspection of the current condition of any dwelling, including sampling the turbidity of any associated roof-collected drinking water supply, must be undertaken: <ul style="list-style-type: none"> i. where access to the dwelling is granted; and ii. the dwelling is in a location that is identified in the Construction Air Quality Management Plan required by Condition RAQ3 as being within fifty (50) metres of: <ul style="list-style-type: none"> A. a haul road that is to be used by construction related heavy vehicles; or B. areas of land disturbance or earthworks activities; and b) the baseline visual-inspection required by clause (a) must be undertaken when the identified dwelling is within 200 metres of: <ul style="list-style-type: none"> i. works to form, or the active use of, a haul road; or ii. land disturbance or earthworks activities. c) Visual-inspections of any dwelling, including sampling the turbidity of any associated roof-collected drinking water supply, must be undertaken at least once a month where: <ul style="list-style-type: none"> i. access to the dwelling is granted; and ii. the dwelling is located within fifty (50) metres of: <ul style="list-style-type: none"> A. land disturbance or earthworks activities; or

Condition Number	Condition
	<p>B. haul roads that are being used by construction related heavy vehicles.</p> <p>d) The baseline assessment required by clause (a) and the visual inspections required by clause (c) must be undertaken as described in the Construction Air Quality Management Plan required by Condition RAQ3.</p> <p>e) <u>Contingency measures set out in the Construction Air Quality Management Plan must be implemented where the visual inspections required by clause (b) identify:</u></p> <p><u>i. an adverse effect on a dwelling; or</u></p> <p><u>ii. the turbidity measurement within, including any associated roof-collected drinking water supply is 20% or more greater than the baseline measurement, contingency measures set out in the Construction Air Quality Management Plan must be implemented.</u></p> <p>f) A summary report of the visual inspections required by clause (c), with reference to the baseline inspections required by clause (a), must be provided <u>within twenty (20) working days of the inspection</u> to:</p> <p>i. the owner and/or occupier of the dwelling; and</p> <p>ii. the Regional Council in the annual report required by Condition RGA3.</p>
<p>RAQ1B</p>	<p>Dust monitoring</p> <p>a) Dust monitors must be placed between any dwelling and the Project at any time when the dwelling is located within fifty (50) metres of:</p> <p>i. land disturbance or earthworks activities; or</p> <p>ii. haul roads that are being used by construction related heavy vehicles.</p> <p>b) The requirements of clause (a) may be achieved by using a single dust monitor for one or more properties.</p> <p>c) Where a dust monitor required by clause (a) identifies a real time PM10 concentration of ≥ 150 micrograms per cubic metre, as a rolling 1-hour average, updated every ten minutes, contingency measures set out in the Construction Air Quality Management Plan must be implemented.</p> <p>d) A summary report of the dust monitoring required by clause (a) must be provided to the Regional Council in the annual report required by Condition RGA3.</p>
<p>RAQ2</p>	<p>Weather station</p> <p>a) Prior to the commencement of construction activities, at least one weather station must be installed in an appropriate location within the Project Area and must be configured to automatically provide the following real-time data:</p> <p>i. wind speed and direction at ten (10) metres above ground level;</p> <p>ii. occurrences of wind gust speeds greater than ten (10) m/s;</p> <p>iii. occurrences of hourly average wind speeds of greater than five (5) m/s;</p> <p>iv. air temperature at one and a half (1.5) metres; and</p> <p>v. continuous rainfall intensity and volume.</p> <p>b) The weather station or stations required by clause (a) must be maintained for the duration of construction activities to:</p> <p>i. comply with AS/NZS 3580.14:2014 'Methods for sampling and analysis of ambient air Meteorological monitoring for ambient air quality monitoring applications';</p> <p>ii. comply with the 'National Environmental Monitoring Standard Rainfall Recording - Measurement of Rainfall Data for Hydrological Purposes' version 2.1 (August 2017);</p> <p>iii. be maintained in accordance with the weather station manufacturer's specification; and</p> <p>iv. be connected to a data management system capable of sending out text message alerts</p>

Condition Number	Condition
	<p>when triggers set out in the Construction Air Quality Management Plan required by RAQ3 are exceeded.</p>
<p>RAQ3</p>	<p>Construction Air Quality Management Plan</p> <p>a) A Construction Air Quality Management Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 2 to these conditions of resource consents and must be certified in writing as set out in condition RAQ4.</p>
<p>RAQ4</p>	<p>Construction Air Quality Management Plan certification</p> <p>a) The Construction Air Quality Management Plan required by Condition RAQ3 must be provided to the Regional Council for technical certification at least forty (40) working days prior to the commencement of construction activities.</p> <p>b) Certification, or withholding certification, is based on whether the Construction Air Quality Management Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 2.</p> <p>c) If twenty (20) working days have passed since the Construction Air Quality Management Plan has been provided to the Regional Council and the Regional Council has not certified the Construction Air Quality Management Plan or provided advice that the Construction Air Quality Management Plan is not suitable to certify, then the consent holder may commence work in accordance with the Construction Air Quality Plan as provided.</p> <p>d) Notwithstanding clause (a), and subject to the requirements of other conditions of these resource consents, work may commence at any time following the certification of the Construction Air Quality Management Plan.</p>
<p>RAQ5</p>	<p>Amending the Construction Air Quality Management Plan</p> <p>a) The Construction Air Quality Management Plan required by Condition RAQ3 may be amended or updated without the need for certification where:</p> <ul style="list-style-type: none"> i. an amendment is an administrative change, including nominating personnel; ii. an amendment is part of an annual review of monitoring activities; or iii. an amendment has a positive effect, no adverse effect, or a de minimis adverse effect on the environment; and iv. the revised Construction Air Quality Management Plan is provided to the Regional Council and within ten (10) working days of receiving the revised Construction Air Quality Management Plan, the Regional Council has not advised in writing that the amendment must be certified under clause (b) because the amendment does not meet the requirements of clauses (a)(i), (a)(ii) or (a)(iii). <p>b) Except as provided for in clause (a), amendments to the Construction Air Quality Management Plan must be certified in writing by the Regional Council prior to the commencement of any work to which the amended Construction Air Quality Management Plan relates.</p> <p>c) Certification, or withholding certification, is based on whether amendment to the Construction Air Quality Management Plan continues to meet the requirements of the relevant conditions of these resource consents, including as set out in Schedule 2.</p> <p>d) If twenty (20) working days have passed since amendment to the Construction Air Quality Management Plan has been provided to the Regional Council and the Regional Council has not certified the amended Construction Air Quality Management Plan or provided advice that the amendment is not suitable to certify, then the consent holder may commence work in accordance with the amendment to the Construction Air Quality Management Plan as provided to the Regional</p>

Condition Number	Condition
	Council.
Earthworks and Land Disturbance	
REW1	<p>Imported material</p> <p>a) All imported material deposited as part of the works authorised by these resource consents must be cleanfill material.</p>
REW2	<p>Earthworks and land disturbance stabilisation</p> <p>a) Areas of earthworks and land disturbance, including spoil sites, must be progressively and/or temporarily stabilised, including by re-contouring and re-vegetation to minimise sediment run-off and erosion as a result of construction activities until the areas are permanently established in accordance with 'Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region' June 2016 Guideline Document 2016/005 Version 2 and clause (b).</p> <p>b) Where an area of earthworks and land disturbance is completed, the area must be stabilised to prevent erosion:</p> <ul style="list-style-type: none"> i. as soon as practicable and within fourteen (14) working days of completion of any earthworks and land disturbance authorised by these resource consents in that area; or ii. as otherwise provided for in a certified Site-Specific Erosion and Sediment Control Plan required by Condition RES5. <p>c) For the purposes of clause (b), earthworks and land disturbance are considered completed where no further earthworks and land disturbance will occur during the subsequent three (3) months.</p> <p>d) Areas of earthworks and land disturbance must be stabilised by 30 April of each year in accordance with 'Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region' June 2016 Guideline Document 2016/005 Version 2 unless:</p> <ul style="list-style-type: none"> i. otherwise agreed in writing by the Regional Council; or ii. earthworks are provided for by Condition REW3.
REW3	<p>Winter earthworks and land disturbance</p> <p>a) Earthworks and land disturbance must not be undertaken during the period 1 May to 30 September inclusive except where:</p> <ul style="list-style-type: none"> i. a written request is made to the Regional Council to undertake works and the Regional Council provides written confirmation that specified works can proceed; or ii. the works are explicitly described and managed as winter works by a certified Site-Specific Erosion and Sediment Control Plan required by Condition RES5; or iii. the earthworks and land disturbance are directed by the Regional Council for maintenance or stabilisation purposes and are undertaken within three (3) working days of being directed by the Regional Council. <p>b) If ten (10) working days have passed since a written request to undertake works in accordance with clause (a)(i) is made to the Regional Council, and the Regional Council has not provided a written response, then the requested works may commence.</p>
Groundwater	
RGW1	<p>Dewatering</p> <p>a) The taking of groundwater for the purpose of dewatering as a result of construction activities</p>

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	<p>authorised by these resource consents must:</p> <ul style="list-style-type: none"> i. not be located within fifty (50) metres of a consented bore, or a bore that is permitted by a rule in a Regional Plan, on any other property; and ii. <u>be undertaken for a maximum of two (2) months per dewatering installation</u>, continue only for the time required to carry out the construction activities and, where practicable, occur when groundwater is low. <p>b) Where the Project is located below the maximum groundwater level, any seepage will be treated in stormwater management devices, conveyed to maintain flow continuity, and discharged to ground as close as practicable to where it would have naturally flowed.</p> <p>c) Where the discharge of water from dewatering as a result of construction activities authorised by these resource consents is to a sediment retention device, the discharge is managed by Condition RES1.</p> <p>d) Where the discharge of water from dewatering as a result of construction activities authorised by these resource consents is directly to the receiving environment the water must have:</p> <ul style="list-style-type: none"> i. a pH between 5.5 and 8.5; and ii. 100mm clarity <u>or greater</u>.
RGW2	<p>Groundwater standards</p> <p>a) The construction activities authorised by these resource consents must not result in any adverse change to the existing quality, maximum quantity and maximum rate of abstraction for any community water supply or bore that is either subject to an active water permit or permitted by a rule in a Regional Plan.</p> <p><u>b) The construction activities authorised by these resource consents must not result in any permanent more than minor adverse effects on any existing wetlands not removed or offset as part of the Project.</u></p>
RGW3	<p>Groundwater monitoring</p> <p>a) Groundwater must be monitored to confirm compliance with Condition RGW2 as follows:</p> <ul style="list-style-type: none"> i. at all existing groundwater monitoring bores installed as part of the Project, except those that must be decommission because they are within the Project footprint; ii. at a sampling and reporting frequency appropriate to the scale, intensity and duration of the works programme; iii. for the duration of construction and for a year following the road being open for public use. <p>b) A summary report of the groundwater monitoring required by clause (a) must be provided to the Regional Council in the annual report required by Condition RGA3.</p>
Surface Water	
RWT1	<p>Surface water abstraction</p> <p>a) The total daily abstraction of surface water from the 'core allocation' must not exceed:</p> <ul style="list-style-type: none"> i. an average of 2,350m³; and ii. a maximum of 3,900m³. <p>b) The abstraction of surface water to support construction activities must not exceed the maximum volumes or in Table RWT-1.1, and subject to the maximum abstraction rates in Table RWT-1.2:</p> <p style="text-align: center;">Table RWT-1.1 Maximum Daily Abstraction Volume from the 'Core Allocation'</p>

Condition Number	Condition																																	
	<table border="1"> <thead> <tr> <th rowspan="2">Water body</th> <th>Maximum abstraction volume</th> </tr> <tr> <th>m³/day</th> </tr> </thead> <tbody> <tr> <td>Koputaroa Stream</td> <td>231</td> </tr> <tr> <td>Waikawa Stream</td> <td>3,100</td> </tr> <tr> <td>Manakau and Waiauti Stream</td> <td>102</td> </tr> <tr> <td>Waitohu</td> <td>2,160</td> </tr> </tbody> </table> <p>Table RWT-1.2 Maximum Daily Abstraction Rate from the ‘Core Allocation’</p> <table border="1"> <thead> <tr> <th>Water body</th> <th>Maximum abstraction rate</th> </tr> </thead> <tbody> <tr> <td>Koputaroa Stream</td> <td>Between the minimum and median flows, the rate of abstraction should not exceed 10% of the mean daily flow measured at the Project’s hydrometric site at Tavistock Road over the preceding day, adjusted for losses or gains between the hydrometric site and the point of abstraction.</td> </tr> <tr> <td>Waikawa Stream</td> <td>Between the minimum and median flows, the rate of abstraction should not exceed 10% of the mean daily flow measured at Horizon’s hydrometric site at North Manakau Road over the preceding day, adjusted for losses or gains between the hydrometric site and the point of abstraction.</td> </tr> <tr> <td>Manakau and Waiauti Stream</td> <td>Between the minimum and median flows, the rate of abstraction from either site should not exceed 10% of the mean daily flow measured at Horizon’s hydrometric site over the preceding day, once adjusted for the effect of catchment area;</td> </tr> <tr> <td>Waitohu</td> <td>Between the minimum and median flows, the rate of abstraction should not exceed 10% of the mean daily flow measured at Greater Wellington Regional Council’s hydrometric site over the preceding day, adjusted for losses or gains between the hydrometric site and the point of abstraction. The rate of abstraction cannot exceed 37.5L/s.</td> </tr> </tbody> </table> <p>c) When flow in the following water body/ies is above the median flows, the rates and volumes set out in clause (c) can be exceeded subject to the maximum abstraction rates specified in Table RWT-21.3, and the parameters set out in Table RWT-1.4.</p> <p>Table RWT-1.3 Maximum Abstraction Rate when flow is above median (‘Supplementary Allocation’)</p> <table border="1"> <thead> <tr> <th>Water body</th> <th>Maximum abstraction rate (L/s)</th> </tr> </thead> <tbody> <tr> <td>Koputaroa Stream</td> <td>30</td> </tr> <tr> <td>Ohau River</td> <td>100</td> </tr> <tr> <td>Waikawa Stream</td> <td>100</td> </tr> <tr> <td>Manakau and Waiauti Stream</td> <td>50</td> </tr> <tr> <td>Waitohu</td> <td>100</td> </tr> </tbody> </table> <p>Table RWT-1.4 Parameters for Abstraction when flow is above median (‘Supplementary Allocation’)</p>	Water body	Maximum abstraction volume	m ³ /day	Koputaroa Stream	231	Waikawa Stream	3,100	Manakau and Waiauti Stream	102	Waitohu	2,160	Water body	Maximum abstraction rate	Koputaroa Stream	Between the minimum and median flows, the rate of abstraction should not exceed 10% of the mean daily flow measured at the Project’s hydrometric site at Tavistock Road over the preceding day, adjusted for losses or gains between the hydrometric site and the point of abstraction.	Waikawa Stream	Between the minimum and median flows, the rate of abstraction should not exceed 10% of the mean daily flow measured at Horizon’s hydrometric site at North Manakau Road over the preceding day, adjusted for losses or gains between the hydrometric site and the point of abstraction.	Manakau and Waiauti Stream	Between the minimum and median flows, the rate of abstraction from either site should not exceed 10% of the mean daily flow measured at Horizon’s hydrometric site over the preceding day, once adjusted for the effect of catchment area;	Waitohu	Between the minimum and median flows, the rate of abstraction should not exceed 10% of the mean daily flow measured at Greater Wellington Regional Council’s hydrometric site over the preceding day, adjusted for losses or gains between the hydrometric site and the point of abstraction. The rate of abstraction cannot exceed 37.5L/s.	Water body	Maximum abstraction rate (L/s)	Koputaroa Stream	30	Ohau River	100	Waikawa Stream	100	Manakau and Waiauti Stream	50	Waitohu	100
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Water body	Abstraction parameters
Koputaroa Stream	When flow measured at the Project’s hydrometric site at Tavistock Road exceeds the median, up to 10% of the preceding 3-hourly average flow can be abstracted for the next 3-hours, once adjusted for travel time between the flow recorder and the point of abstraction.
Ohau River	When flow measured at Horizons’ hydrometric site at Rongomatane exceeds the median, up to 10% of the preceding 3-hourly average flow can be abstracted for the next 3-hours, once adjusted for travel time between the flow recorder and the point of abstraction.
Waikawa Stream	When flow measured at Horizons’ hydrometric site exceeds the median, up to 10% of the preceding 3-hourly average flow can be abstracted as a supplementary allocation for the next 3-hours, once adjusted for travel time between the flow recorder and the point of abstraction.
Manakau and Waiauti Stream	When flow measured at Horizons’ hydrometric site exceeds the median, up to 10% of the preceding 3-hourly average flow can be abstracted as a supplementary allocation for the next 3-hours, once adjusted for travel time between the flow recorder and the point of abstraction.
Waitohu	When flow measured at GWRC’s hydrometric site exceeds the median, up to 10% of the 3-hourly average flow can be abstracted as a supplementary allocation for the next 3-hours, once adjusted for travel time between the flow recorder and the point of abstraction.

- d) The abstraction of surface water set out in clause (a) must occur at the locations shown on the Accommodation Works Plans included in the Application.
- e) The abstraction of surface water must cease in the circumstances in Table RWT-1.5.

Table RWT-1.5 Circumstances when Abstraction of Surface Water Must Cease

Water body	Circumstances
Koputaroa Stream	The flow measured at Horizon’s hydrometric site on the Manawatū River at Teachers’ College reaches the minimum flow; or the flow measured at the Project’s hydrometric site on Koputaroa Stream at Tavistock Road reaches the minimum flow, calculated in manner consistent with that adopted in the One Plan.
Waikawa Stream	The flow measured at Horizon’s hydrometric site at North Manakau Road reaches the minimum flow.
Manakau and Waiauti Stream	The flow measured at Horizon’s hydrometric site at Gleeson’s Road reaches the minimum flow.
Waitohu	The flow measured at Greater Wellington Regional Council’s hydrometric site reaches the minimum flow

- f) For each water take, a flow meter must be installed and maintained and must:
 - i. be located on the abstraction line;
 - ii. have a pulse counter output traceably calibrated to plus or minus (+/-) five (5) percent or better; and
 - iii. be capable of providing daily water use as well as pulse counter data.
- h) A record of the daily water volumes abstracted and rates of water abstracted must be maintained

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	and provided to the Regional Council and Project Iwi Partners on request.
Erosion and Sediment Control	
RES1	<p>Erosion and sediment control standards</p> <ul style="list-style-type: none"> a) Sediment losses to a natural water body arising from construction activities authorised by these resource consents must be minimised for the duration of construction activities and until the expiry of the resource consents through: <ul style="list-style-type: none"> i. the establishment and maintenance of erosion and sediment control measures in accordance with ‘<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>’ June 2016 Guideline Document 2016/005 Version 2 except where a higher standard is referred to in the Erosion and Sediment Control Plan, or a certified Site-Specific Erosion and Sediment Control Plan, in which case the higher standard applies; and ii. where practicable, undertaking works when streams are dry. b) All sediment laden run-off resulting from construction activities authorised by these resource consents must be treated by sediment retention structures, devices or measures established and maintained in accordance with a certified Site-Specific Erosion and Sediment Control Plan required by Condition RES5. c) The consent holder must ensure that, as far as practicable, all clean water run-off from stabilised surfaces is diverted away from exposed areas of works via a stabilised system to prevent erosion, including erosion at any outfalls. d) sediment retention devices must be designed and operated to achieve the following performance triggers: <ul style="list-style-type: none"> i. the pH of any discharge from sediment retention devices to any water body must not be less than 5.5 or greater than 8.5; ii. 100mm clarity <u>or greater</u>; e) Where a performance trigger in clause (d) is not achieved, an investigation must be undertaken to: <ul style="list-style-type: none"> i. confirm the reason why the performance triggers has not been achieved, with reference to the relevant catchment; and ii. develop and implement response measures to achieve the performance triggers in the future. f) Following the completion of the investigation required by clause (e), all recommended response measures must be implemented within with five (5) working days, except where the Regional Council agrees in writing to a longer timeframe for the implementation of response measures. g) A report that summarises the investigation and response measures required by clause (e) must be provided to the Regional Council in writing within five (5) working days of the performance trigger not being achieved.
RES2	<p>Erosion and Sediment Control Plan</p> <ul style="list-style-type: none"> a) An Erosion and Sediment Control Plan must be prepared to achieve the objectives, and include the content, set out in Schedule 8 to these conditions of resource consents and must be certified in writing as set out in Condition RES3. b) The Erosion and Sediment Control Plan required by clause (a) must be prepared in consultation with the Project Iwi Partners.
RES3	<p>Erosion and Sediment Control Plan certification</p> <ul style="list-style-type: none"> a) The Erosion and Sediment Control Plan required by Condition RES2 must be provided to the Regional Council for technical certification at least forty (40) working days prior to the

Condition Number	Condition
	<p>commencement of construction activities.</p> <p>b) Certification, or withholding certification, is based on whether the Erosion and Sediment Control Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 8.</p> <p>c) If twenty (20) working days have passed since the Erosion and Sediment Control Plan has been provided to the Regional Council and that Regional Council has not certified the Erosion and Sediment Control Plan or provided advice that the Erosion and Sediment Control Plan is not suitable to certify, then the consent holder may commence work in accordance with the Erosion and Sediment Control Plan as provided.</p> <p>d) Notwithstanding clause (a), and subject to the requirements of other conditions of these resource consents, work may commence at any time following the certification of the Erosion and Sediment Control Plan.</p>
RES4	<p>Amending the Erosion and Sediment Control Plan</p> <p>a) The Erosion and Sediment Control Plan required by Condition RES2, including all appendices, may be amended or updated without the need for certification where:</p> <ul style="list-style-type: none"> i. the amendment is an administrative change, including nominating personnel; or ii. the amendment is part of an annual review of monitoring activities; and iii. the revised Erosion and Sediment Control Plan is provided to the Regional Council and, within five (5) working days of receiving the revised Erosion and Sediment Control Plan, that Regional Council has not advised in writing that the revised Erosion and Sediment Control Plan must be certified under clause (b) because the requirements of clauses (a)(i) or (a)(ii) are not met. <p>b) Except as provided for in clause (a), amendments to the Erosion and Sediment Control Plan, including all appendices, must be certified in writing by the Regional Council in accordance with Condition RES3.</p>
RES5	<p>Site-Specific Erosion and Sediment Control Plans</p> <p>a) Site-Specific Erosion and Sediment Control Plans must:</p> <ul style="list-style-type: none"> i. be prepared for all areas of earthworks and land disturbance; ii. must achieve the objectives and include the content, set out in Schedule 8 to these conditions of resource consents; iii. must be prepared in consultation with the Project Iwi Partners; and <p>iii. must be certified in writing as set out in Condition RES6.</p>
RES6	<p>Site-Specific Erosion and Sediment Control Plan certification</p> <p>a) Each Site-Specific Erosion and Sediment Control Plan must be certified in writing by the Regional Council prior to the commencement of earthworks or land disturbance in the area subject to the Site-Specific Erosion and Sediment Control Plan.</p> <p>b) Certification, or withholding certification, is based on whether the Site-Specific Erosion and Sediment Control Plan meets the requirements of the relevant conditions of these resource consents, including as set out in Schedule 5.</p> <p>c) If ten (10) working days have passed since the Site-Specific Erosion and Sediment Control Plan has been provided to the Regional Council and the Regional Council has not certified the Site Specific Erosion and Sediment Control Plan or provided advice that the Erosion and Sediment Control Plan is not suitable to certify, then the consent holder may commence work in accordance with the Site-Specific Erosion and Sediment Control Plan as provided.</p>

Condition Number	Condition
	<p>d) Notwithstanding clause (c), and subject to the requirements of other conditions of these resource consents including Condition REW3, work may commence at any time following the certification of the Site-Specific Erosion and Sediment Control Plan.</p>
RES7	<p>Amending certified Site-Specific Erosion and Sediment Control Plans</p> <p>a) Where compliance with '<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>' June 2016 Guideline Document 2016/005 Version 2 (GD05) continues to be achieved, the following may be undertaken without certification and prior to a Site-Specific Erosion and Sediment Control Plan being amended, subject to the Site-Specific Erosion and Sediment Control Plan being retrospectively amended and provided to the Regional Council within ten (10) working days:</p> <ul style="list-style-type: none"> i. the addition of silt fences and super silt fences; ii. changes to the dimension or configuration of a sediment retention pond or decanting earth bund; and iii. construction of additional erosion and sediment controls where devices do not affect erosion and sediment controls that are installed. <p>b) A Site-Specific Erosion and Sediment Control Plan may be amended or updated without the need for certification, prior to the commencement of any works to which the amended Site-Specific Erosion and Sediment Control Plan relates where:</p> <ul style="list-style-type: none"> i. the amendment is an administrative change, such as a change in contact details; or ii. the amendment is to the location of an erosion and sediment control where each control is sized for the captured area and shown on as-built plans in the new location and compliance with '<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>' June 2016 Guideline Document 2016/005 Version 2 is maintained; or iii. the amendment provides additional lay down areas within the area subject to the Site-Specific Erosion and Sediment Control Plan and does not impact on existing controls; iv. the amendment: <ul style="list-style-type: none"> A. changes bund or diversion construction, excluding changes to dimension and capacity; or B. does not result in a new erosion and sediment control being located in the bed of a river; v. the revised Site Specific Erosion and Sediment Control Plan is provided to the Regional Council and, within five (5) working days of receiving the revised Site-Specific Erosion and Sediment Control Plan, the Regional Council has not advised in writing that the amendment must be certified under clause (c); and vi. the amendment does not result in earthworks or land disturbance occurring during the period 1 May to 30 September inclusive. <p>c) Except as provided for in clauses (a) and (b), amendments to a Site-Specific Erosion and Sediment Control Plan must be certified in writing by the Regional Council prior to the commencement of any works to which the amended Site-Specific Erosion and Sediment Control Plan relates.</p> <p>d) Certification, or withholding certification, is based on whether the amended Site-Specific Erosion and Sediment Control Plan continues to meet the requirements of the relevant conditions of these resource consents and the measures in '<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>' June 2016 Guideline Document 2016/005 Version 2.</p> <p>e) If five (5) working days have passed since the amended Site Specific Erosion and Sediment Control Plan has been provided to the Regional Council and the Regional Council has not certified the amended Site Specific Erosion and Sediment Control Plan or provided advice that the amended Erosion and Sediment Control Plan is not suitable to certify, then the consent holder may commence work in accordance with the Site Specific Erosion and Sediment Control Plan as</p>

Condition Number	Condition
	provided.
RES8	<p>As-built plans</p> <p>a) Prior to the commencement of earthworks, excluding the earthworks necessary to install the erosion and sediment control, or the implementation of a new control, a certification statement and as-built plans must be provided to the Regional Council to demonstrate that all structures, including sediment retention ponds <u>and chemical treatment system</u>, decanting earth bunds and diversion channels and/or bunds have been constructed in accordance with a certified Site-Specific Erosion and Sediment Control Plan.</p> <p>b) The as-built plans required by clause (a) must include the expected dose rate, and corresponding catch tray and header tank outlet pipe sizes, for each chemical treatment system to be implemented for sediment retention ponds and decanting earth bunds within the areas covered by the Site Specific Erosion and Sediment Control Plan and the chemical treatment set out in the certified Erosion and Sediment Control Plan.</p>
RES9	<p>Erosion and sediment control monitoring</p> <p>a) all erosion and sediment control structures must be monitored in respect of the performance triggers and standards set out in Condition RES1 by being:</p> <ol style="list-style-type: none"> i. inspected on a weekly basis; ii. inspected prior to a trigger rainfall event set out in a certified Erosion and Sediment Control Plan required by Condition RES2 iii. inspected following a trigger rainfall event set out in a certified Erosion and Sediment Control Plan required by Condition RES2. <p>b) Except where Condition RCM3 applies, for every rainfall event or circumstance where the performance triggers in Condition RES1 are not achieved a summary report of the event must be provided to the Regional Council in writing within ten (10) working days.</p> <p>c) The records of the monitoring and maintenance required by clauses (a) to (d) must be made available to the Regional Council and Project Iwi Partners upon request.</p>
RES10	<p>Removal of erosion and sediment control measures</p> <p>a) Erosion and sediment control measures must only be removed:</p> <ol style="list-style-type: none"> i. when the corresponding catchment areas has been permanently stabilised; or ii. in accordance with a certified Site-Specific Erosion and Sediment Control Plan. <p>b) The removal of an erosion and sediment control measure must only occur where the Regional Council confirms in writing that the measure can be removed. Such advice must be based on information provided by the consent holder in relation to the quality of discharged water and the receiving environment and the adequacy of soil stabilisation and/or covering vegetation.</p>
Operational Stormwater	
RSW1	<p>Operational stormwater standards</p> <p>a) Operational stormwater run-off from the Project must be treated in dedicated stormwater management devices before discharging to the receiving environment in general accordance with:</p> <ol style="list-style-type: none"> i. the Waka Kotahi NZ Transport Agency ‘<i>Stormwater Treatment Standard for State Highway Infrastructure</i>’ dated May 2010; ii. the Waka Kotahi NZ Transport Agency ‘<i>P46 Stormwater Specification</i>’ dated 2016, <u>including</u>

Condition Number	Condition
	<p><u>the requirements for operation and maintenance</u>; and</p> <p>iii. the Wellington Water 'Water Sensitive Design for Stormwater: Wellington Water' dated 2019.</p> <p>b) Stormwater management devices must be designed to be impermeable when located on a piece of land that is contaminated land at the time the piece of land is disturbed by construction activities.</p> <p><u>c) In the high permeability areas shown [drawing reference], stormwater management devices must be designed to minimise the transport of contaminants to underlying groundwater.</u></p> <p><u>d) Forebays must be designed to include standard inter-pond pipelines, baffles and screens to trap gross litter.</u></p> <p><u>e) Stormwater from the operation of the Project must be designed to contain contaminants from an emergency spillage or event prior to discharge to the vegetative wetlands, excluding forebays.</u></p> <p><u>f) Stormwater management devices must be fully operational prior to the road being open for public use.</u></p>
RSW2	<p>Stormwater management device as-built plans</p> <p>a) Within twelve (12) months of the road being open for public use, as-built plans for all stormwater management devices must be provided to the Regional Council and Project Iwi Partners.</p> <p>b) The as-built plans required by clause (a) must describe the:</p> <ol style="list-style-type: none"> i. device location; ii. device type and specifications; iii. levels and size of outflow control devices; and iv. discharge outlets associated with each device; and v. natural groundwater level in metres below finished ground level of stormwater ponds, where soakage to ground is practiced.
<p>Bridges and Structures over Water Bodies (Waiauti Stream, Manakau Stream, Waikawa Stream, Kuku Streams and the Ohau River)</p>	
RBS1	<p>Bridge design, construction and operation standards</p> <p>a) All bridges must be designed in accordance with the Waka Kotahi NZ Transport Agency's 'Bridge Manual SPIM/022 Third Edition, Amendment 43' dated <u>May 2022</u> October 2018.</p> <p>b) The bridges must be constructed and maintained to avoid causing any aggradation or scouring of the bed that may inhibit the passage of fish upstream and downstream at all flows.</p> <p>c) Any discharge of sediment into water directly caused by bridge construction activities must not, after reasonable mixing, cause any change in visual clarity in the water body by more than 30% for more than twenty-four (24) hours in total across five (5) consecutive days, where reasonable mixing is defined as seven (7) times the bed width.</p> <p>c) The works authorised by these resource consents must not affect the ability of the water bodies to convey flood flows or floating or flood borne debris.</p>
RBS2	<p>Public access</p> <p>a) Except as provided for by clause (b), existing public access to and along water bodies must be maintained.</p> <p>b) Public access to and along water bodies may be temporarily restricted as a result of works authorised by these resource consents where necessary to protect public health and safety.</p>

Condition Number	Condition
RBS3	<p>Bridge as-built plans</p> <p>a) Within twelve (12) months of the completion of construction of the structure over each of the Waiauti Stream, Manakau Stream Waikawa Stream, Kuku Streams and the Ohau River, a certification statement and as-built plans must be provided to the Regional Council.</p>
Works in the Bed of Water Bodies	
RWB1	<p>Permanent culvert design standards</p> <p>a) All permanent culverts must be designed in accordance with:</p> <ol style="list-style-type: none"> i. the Waka Kotahi NZ Transport Agency's '<i>Bridge Manual SPIM/022 Third Edition, Amendment 43</i>' dated May 2022October 2018; ii. the Waka Kotahi NZ Transport Agency '<i>Stormwater Treatment Standard for State Highway Infrastructure</i>' dated May 2010; and iii. the Waka Kotahi NZ Transport Agency '<i>P46 Stormwater Specification</i>' dated 2016. <p>b) Culverts must be designed and constructed to not adversely affect the ability of a water body to convey flows up to and including one (1%) percent annual exceedance probability (AEP) (1 in 100 year) flood event via the culverts and overland flow paths.</p> <p>c) Fish passage must be provided in accordance with Condition RFE2<u>A</u>.</p>
RWB2	<p>Works in the bed of water bodies standards</p> <p>a) Activities authorised by these resource consents must not result in the discharge to water bodies of contaminants that are toxic to aquatic ecosystems.</p> <p>b) Except as provided for in clause (c), any materials, such as stockpiles, mounds, depressions, trees/vegetation, excavated material, holes or surplus materials; machinery or equipment (including temporary structures) must:</p> <ol style="list-style-type: none"> i. not be stored in or on the bed of a water body; and ii. be removed within five (5) working days following the completion of works in that water body, including the removal of stockpiles from the floodplain; <p>c) Clause (b) does not apply to the construction of bridges and permanent culverts that are to remain in situ.</p> <p>d) Any uncured concrete placed in or near the water body must be controlled in a manner that no concrete or cement leaches out and enters the water body. Such measures may include, but will not be limited to:</p> <ol style="list-style-type: none"> i. working during low flow conditions; and ii. containing new concrete in watertight boxing. <p>e) New concrete or mortar must not be exposed to the flow of water for at least forty-eight hours from completion of pouring.</p> <p>f) Except where the Regional Council provides prior written advice that specified works can proceed, works in the bed of a stream or river must only commenced where there is at least four (4) days of settled weather forecast by the New Zealand Meteorological Service for that water body's catchment.</p> <p>g) Remediation of erosion, scour or instability of the water body bed or banks that is attributable to the construction works authorised by these resource consents must be undertaken within ten (10) working days or as soon as practicable.</p>
RWB3	<p>Natural character planting</p>

Condition Number	Condition
	<p>a) Subject to landowner agreement where the planting is on private property, natural character planting on the Planting Concept Plans: Indicative Typology and the Planting Concept Plans: RMA Purpose Type included in the Application:</p> <ul style="list-style-type: none"> i. must be undertaken: <ul style="list-style-type: none"> A. where practicable, prior to commencement of construction activities; or B. as soon as construction works are completed in the area and seasonal conditions are appropriate; and C. within eighteen (18) months of the road being open for public use. ii. Natural character planting must be implemented, monitored, maintained and replaced to achieve a 90% survival rate and 80% canopy coverage of the ground at five (5) years following the date that initial planting commenced; and iii. consist of indigenous plant material sourced from the rohe in which it is to be planted or be otherwise sourced from the ecological district of the site.

SCHEDULE 1: Referenced drawings

Drawing included in ' <i>Notices of Requirement for a Designation and Application for Resource Consents</i> ' dated 1 November 2022 'Volume III Drawings and Plans'	Condition Reference
Planting Concept Plans: Indicative Typology	DLV1, RFE1A, RWB3
Planting Concept Plans: RMA Purpose Type	DLV1, RFE1A, RWB3
Ecology Plans	RCM4, RTE1, RTE3, RTE4, RTE5, RTE6, RTE7, REM8
Stormwater: Drainage Layout Plans	RCM4
Stormwater: Catchment Culvert, Swale and Pond/Wetland Schedule	RFE2 <u>and RFE2A</u>
Stormwater: Typical Details Swales and Open Channels	REM11
Accommodation Works Plans	RWT1

SCHEDULE 2: Objectives and content of the Construction Environmental Management Plan

Objective	Related Conditions/Standards	Minimum Content				
Construction Environmental Management Plan						
<p>The objective of the Construction Environmental Management Plan is to set out measures that must be implemented to comply with the conditions of the designations and resources consents (as relevant) to appropriately remedy or mitigate, offset or compensate for adverse effects of construction activities.</p>	<p>DCM1, RCM4, RCM5</p>	<p>The Construction Environmental Management Plan must include the management plans set out in Table SCH2-1:</p> <p style="text-align: center;">Table SCH2-1: Management Plans included in the Construction Environmental Management Plan</p> <table border="1" data-bbox="808 703 2047 932"> <thead> <tr> <th data-bbox="808 703 1429 815">Where the Construction Environmental Management Plan is provided as part of an outline plan to a District Council</th> <th data-bbox="1429 703 2047 815">Where the Construction Environmental Management Plan is provided for information to a Regional Council (with sub-plans being certified)</th> </tr> </thead> <tbody> <tr> <td data-bbox="808 815 1429 932"> <p>Construction Noise and Vibration Management Plan Construction Traffic Management Plan</p> </td> <td data-bbox="1429 815 2047 932"> <p>Ecology Management Plan (certified) Erosion and Sediment Control Plan (certified) Construction Air Quality Management Plan (certified)</p> </td> </tr> </tbody> </table> <p>a) The Construction Environmental Management Plan must include, but not be limited to:</p> <ol style="list-style-type: none"> i. the roles and responsibilities of Project personnel, including: <ol style="list-style-type: none"> A. a key contact person for the Councils and the details for emergency contact personnel who must be contactable twenty-four (24) hours, seven (7) days a week; B. as required to prepare, approve, implement, monitor and review the management plans listed in Table SCH2-1. ii. the requirements of: <ol style="list-style-type: none"> A. the Waka Kotahi ‘<i>Environmental and Social Responsibility Policy</i>’ (2011); B. the relevant rules and associated standards and/or terms included in the District Plans and Regional Plans; C. the conditions of the designations and resource consents; and D. constraints or restrictions imposed by other authorisations or permissions. 	Where the Construction Environmental Management Plan is provided as part of an outline plan to a District Council	Where the Construction Environmental Management Plan is provided for information to a Regional Council (with sub-plans being certified)	<p>Construction Noise and Vibration Management Plan Construction Traffic Management Plan</p>	<p>Ecology Management Plan (certified) Erosion and Sediment Control Plan (certified) Construction Air Quality Management Plan (certified)</p>
Where the Construction Environmental Management Plan is provided as part of an outline plan to a District Council	Where the Construction Environmental Management Plan is provided for information to a Regional Council (with sub-plans being certified)					
<p>Construction Noise and Vibration Management Plan Construction Traffic Management Plan</p>	<p>Ecology Management Plan (certified) Erosion and Sediment Control Plan (certified) Construction Air Quality Management Plan (certified)</p>					

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> iii. a description of the Project, including: <ul style="list-style-type: none"> A. the programme for, and staging of, construction activities; B. the location of site infrastructure including material supply and disposal sites, fencing, site offices, site amenities, temporary lighting, contractors' yard access, equipment unloading and storage areas; C. the design and management specifications for all earthworks on-site, include material supply sites and disposal sites and the source of any imported material; D. the approach to the management of any waste materials, taking into account the waste management hierarchy to reduce, re-use, recycle and recover, along with responsible disposal of residual waste. iv. a description of training requirements for all site personnel including kaitiaki, employees, sub-contractors and visitors; v. Project complaints management measures in accordance with Conditions DCE23 and RCM2; vi. the requirements for compliance monitoring, environmental reporting and environmental auditing; vii. environmental incident and emergency management procedures; viii. an archaeological discovery protocol consistent with Conditions DAH1 and RAH1 or any archaeological authority granted under section 48 of the Heritage New Zealand Pouhere Taonga Act 2014; ix. methods, and any triggers, for reviewing, amending, augmenting and updating the Construction Environmental Management Plan (including the management plans listed in Table SCH2-1) consistent with Conditions DGA6 and RCM6; x. a description of site-specific mitigation, , of the adverse effects of construction activities on the residents of 96/98 Arapaepae Road, that is developed in consultation with the owner and site manager and includes, but is not limited to: <ul style="list-style-type: none"> A. the monitoring and contingency measures to respond to effects of dust deposition set out in the Construction Air Quality Management Plan; B. the site specific noise and vibration mitigation required by Condition DNV4; C. methods to screen the view of construction activities from the property; D. the programme for implementing mitigation measures; E. the requirements for communications, such as advance notification of construction activities in the vicinity of the property; and xi. when the Construction Environmental Management Plan is provided for information to a Regional Council, an

Objective	Related Conditions/Standards	Minimum Content
		<p>'At Risk' or 'Threatened' flora and fauna discovery protocol consistent with Condition REM5.</p>
<p>Construction Noise and Vibration Management Plan</p>		
<p>To set out measures for the development and implementation of the Best Practicable Option for the management and minimisation of noise and vibration effects</p>	<p>DNV1, DNV2 and DNV3</p>	<p>The Construction Noise and Vibration Management Plan must be prepared in general accordance with the requirements of Annex E2 of NZS 6803:1999 and must include, but not be limited to:</p> <ul style="list-style-type: none"> a) the construction noise and vibration limits that apply; b) a description of the construction activities, including anticipated equipment, processes and programme; c) a description of the construction noise and vibration anticipated as a result of construction activities, including tools for on-site predictions of noise and vibration; d) the hours of operation, including times and days when activities causing noise and/or vibration would occur; e) identification of PPFs and buildings that accommodation commercial activities where noise and vibration limits apply including mapped areas; f) a description of construction equipment operator training procedures and expected construction site behaviours that are to be used to minimise construction noise and vibration (including through the procurement of equipment); g) where any noise or vibration criteria is predicted, or measured, to be exceeded, a schedule setting out the mitigation measures and controls required to minimise effects as far as practicable, which will be deployed across the Project, including noise and vibration suppression devices to be used in equipment and temporary noise barriers; h) specific procedures and measures for managing noise and vibration from nighttime construction activities; i) a description of the circumstances for, and processes to, offering temporary relocation of residents in the vicinity of construction activities; j) a methodology for condition surveys of properties and structures <u>that are predicted or measured to received vibration at levels at or above 5mm/s PPV that may be subject to actual structural or cosmetic vibration damage</u> from construction activities and a process to identify and respond to any such occurring; k) methods and frequency for monitoring and reporting on construction noise and vibration; l) methods to monitor and respond to any effects of construction vibration at the dwelling, known as 'Ashleigh', located at 1024 Queen Street East where the design and implementation of this monitoring is undertaken in conjunction with a suitably qualified and experienced conservation architect.

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> m) reference to the procedures for maintaining contact with stakeholders; notifying of proposed construction activities; and handling noise and vibration complaints included in the Communications Plan and complaints management procedure set out in Condition DCE23. n) approaches to auditing the implementation of the Construction Noise and Vibration Management Plan, including the implementation of any remediation activities or revisions to the Management Plan. o) the methodology for preparing the Site Specific Noise and Vibration Mitigation Plans <u>required by Condition DNV4</u> having regard to: <ul style="list-style-type: none"> i. the matters listed in Condition DNV3(b); ii. the characteristics of the noise or vibration, including frequency (rate) of occurrence, intensity (noise and vibration level), duration, and likelihood that such noise and vibration may cause offense, annoyance, disturbance or damage; iii. effects on public and worker health and safety of implementing the mitigation; iv. the effectiveness of options for mitigation; and vi. any construction programme implications of options for mitigation. p) The process for providing information and records of monitoring to the District Council.
Construction Traffic Management Plan		
<p>The objective of the Construction Traffic Management Plan is to manage property access, construction traffic and safety for all road users associated with construction on a Project wide scale.</p>	<p>DCT1, DNV1, DNV2</p>	<p>The Construction Traffic Management Plan must be consistent with the Waka Kotahi ‘Code of Practice for Temporary Traffic Management’ (November 2012) and must include, but not be limited to:</p> <ul style="list-style-type: none"> a) the numbers, frequencies, routes and timing of traffic movements associated with construction activities; b) the location and management of site access routes and access points for heavy vehicles; c) the measures to minimise the effects of heavy vehicles passing through communities on local roads, including avoidance of heavy construction traffic passing through communities on local roads at night other than oversized loads and essential deliveries; d) the maintenance of the current provision for pedestrian and cyclists; e) the measures to provide on-going vehicle access to private and adjacent properties, including by forming new permanent accesses at the earliest opportunity;

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> f) the management approach to loads on heavy vehicles, including: <ul style="list-style-type: none"> i. covering loads of fine material; ii. the timely removal of any material deposited or spilled on public roads; iii. limiting or minimising haul distances on public roads. g) construction vehicle management and maintenance procedures, including the <ul style="list-style-type: none"> i. approaches to maintenance and use of construction vehicles in order to limit exhaust emissions; ii. the provision of effective noise suppression devices for engine brakes; iii. the management of dust generated from construction vehicles on unsealed surfaces; and iii. the management of the use of tonal beepers.
Ecology Management Plan		
See Schedule 7		
Erosion and Sediment Control Plan		
See Schedule 8		
Construction Air Quality Management Plan		
<p>The purpose of the Construction Air Quality Management Plan is to set out the methods and procedures to achieve the standards, required by,</p>	<p>RAQ1, RAQ1A, RAQ1B, RAQ2 and REW2</p>	<p>The Construction Air Quality Management Plan must be in general accordance with have regard to the guidance contained the ‘<i>Good Practice Guide for Assessing and Managing Dust</i>’, published by the Ministry for the Environment, 2016, and the ‘<i>Guide to assessing air quality impacts from state highway projects</i>’ (version 2.3) published by Waka Kotahi, October 2019 and must include, but not be limited to:</p> <ul style="list-style-type: none"> a) a description of: <ul style="list-style-type: none"> i. construction activities that are relevant to air quality; ii. the receiving environment, including:

Objective	Related Conditions/Standards	Minimum Content
<p>Conditions and to avoid, remedy or mitigate potential adverse effects of the discharge of odour and/or dust to air as a result of construction activities.</p>		<ul style="list-style-type: none"> A. existing dust generating activities; B. sensitive land uses (including crops) located within 200 metres of construction activities; C. a list of all properties that accommodate a dwelling located within fifty (50) metres of: <ul style="list-style-type: none"> • land disturbance or earthworks activities; or • haul roads that are being used by construction related heavy vehicles; D. local meteorological conditions relevant to the potential for dust generation. <p>iii. the air discharges that may result from construction activities, and the adverse effects that the air discharges can cause;</p> <p>b) The key environmental performance indicators that apply, with reference to the environmental outcome to be achieved;</p> <p>c) methods and procedures to manage dust as a result of construction activities, including triggers for the implementation of such measures, that may include:</p> <ul style="list-style-type: none"> i. chemical stabilisation or suppression on exposed surfaces; ii. approaches to the management of materials that have particularly dusty characteristics; iii. revegetation of exposed surfaces, including cover with hydroseed or mulch; iv. the use of water; v. the covering or otherwise enclosing of materials; vi. approaches to the location and management of stockpiles; vii. methods and timeframes to stabilise earthworks; viii. approaches to minimise material drop heights; ix. methods for managing cement or lime used to stabilise or dry earthwork materials; <p>d) the triggers for the identification of verified adverse effects on the sensitive receptors that are listed in accordance with (a) including:</p> <ul style="list-style-type: none"> i. the trigger for monitoring equipment set out in Condition RAQ1B; ii. the trigger for visual identification of unacceptable dust identified through monitoring required by Condition RAQ1A; <p>e) The contingency measures to address identified and verified adverse effects of construction activities on sensitive receptors identified in accordance with (d) that may include the provision of:</p>

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> i. exterior house surface; ii. alternatives for drying clothes outside; iii. drinking water <u>or upgrading an existing drinking water system</u>; or iv. temporary relocation; <u>or</u> <u>v. temporarily ceasing construction activities that give rise to the identified adverse effects.</u> f) procedures for assessing, mitigating and remedying the effects any odorous material that is discovered as a result of construction activities, including methods to: <ul style="list-style-type: none"> i. remove the material to reduce the exposure of odorous sources; and ii. mask the odour; g) procedures for responding to process malfunctions and accidental dust discharges; h) reference to the procedures for maintaining contact with stakeholders; notifying of proposed construction activities; and handling dust complaints included in the Communications Plan; and the complaints management procedures set out in Condition RCM2, including and details of contingency measures to respond to complaints; i) reference to the construction vehicle management and maintenance procedures in the Construction Traffic Management Plan; j) procedures and methods for the baseline visual inspections required by Condition RAQ1A, including: <ul style="list-style-type: none"> i. reviewing any roof-collected water system; ii. identifying dust sensitive activities; iii. confirming whether the dwelling accommodates any event or activity that may be sensitive to dust; iv. identifying locations that may be suitable dust indicator locations; and v. reporting requirements, including any recommendation for additional mitigation; k) methods for the visual dust inspections required by Condition RAQ1A, including: <ul style="list-style-type: none"> i. identifying the surfaces to be checked, including any cleaning specific indicator area for rechecking on subsequent visits; iii. taking photographs; iv. checking vegetation for dust build-up; and v. the maintenance of records alongside observed weather conditions; l) method and procedures for the automated monitoring required by Condition RAQ1B, including:

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> ii. procedures for monitoring meteorological conditions in accordance with Condition RAQ2; iii. the requirements for siting equipment; iv. procedures to operate and maintain the equipment including data storage, alerts management, and data distribution; m) methods to monitor and contingency measures to respond to effects of dust deposition: <ul style="list-style-type: none"> i. at the dwelling, known as 'Ashleigh', located at 1024 Queen Street East where the design and implementation of this monitoring is undertaken in conjunction with a suitably qualified and experienced conservation architect; ii. at 96/98 Arapaepae Road, where the design and implementation of this monitoring is undertaken in consultation with the owner and site manager, and includes dust management measures for earthworks within 100 metres of the property; and <ul style="list-style-type: none"> ii. at any rainwater collection tank that is used for drinking water purposes and located within fifty (50) metres of: <ul style="list-style-type: none"> A. land disturbance or earthworks activities; or B. haul roads that are being used by construction related heavy vehicles; n) triggers and procedures for review and updating of the Construction Air Quality Management Plan in accordance with Condition RAQ4.

SCHEDULE 3: Objectives and content of the Muaūpoko Management Plan

Objective	Related Conditions/Standards	Minimum Content
<p>The objective of the Muaūpoko Management Plan is to manage the adverse effects of the construction and operation of the Ō2NL Project on the cultural values of Muaūpoko</p>	<p>DTW3</p>	<p>The Muaūpoko Management Plan must include (but not be limited to):</p> <ul style="list-style-type: none"> a) cultural protocols and procedures for cultural inductions; b) a description of specific monitoring activities to be undertaken, including: <ul style="list-style-type: none"> i. pre-construction survey and monitoring of taonga species and translocation; ii. earthworks oversight; iii. stream diversions; and iv. stream and terrestrial mitigation, offset and compensation areas (including site selection and ongoing involvement); c) confirmation of the roles and responsibilities of personnel in respect of all clauses listed in this management plan. d) details of a 'Cultural Health Monitoring Framework'; e) approaches to the collection, harvesting and reuse of taonga vegetation, including the removal of dead fauna; f) a kaitiakitanga plan to scope opportunities for participation in seed collection, planting, pest control, fencing and other kaitiakitanga opportunities; g) provision for narrative and cultural connections with the following places to be protected and uplifted (including by placement of signs for wayfinding) at: <ul style="list-style-type: none"> i. Pukehau; ii. Whakahoro; iii. Ohau awa; iv. Wai mārie and Arapaepae; and v. the overarching narrative of ki uta ki tai; h) provision for narrative and cultural connections with the following species to be protected and uplifted, including, but not limited to: <ul style="list-style-type: none"> i. Ngata; ii. Ngārara; and

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> iii. Raupō and harakeke; i) identification of opportunities for future access to provide for the ability for project iwi partners to sustainably harvest resources from their maunga and traditional harvesting grounds; j) a requirement for sharing of information on the location of any Puna are encountered as part of the construction activities; k) any other matters or measures to avoid or mitigate potential impacts on Muaūpoko values, customs and practices; and l) communications protocols and whānau engagement strategy.

SCHEDULE 4: Objectives and content of the Ngāti Raukawa ki te Tonga Management Plan

Objective	Related Conditions/Standards	Minimum Content
<p>The objective of the Ngāti Raukawa ki te Tonga Management Plan is to manage the adverse effects of the construction and operation of the Ō2NL Project on the cultural values of Ngāti Raukawa ki te Tonga.</p>	<p>DTW4</p>	<p>The Ngāti Raukawa ki te Tonga Management Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> a) cultural protocols and procedures for cultural inductions; b) a description of specific monitoring activities to be undertaken, including: <ul style="list-style-type: none"> i. pre-construction survey and monitoring of taonga species; ii. seed collection; iii. earthworks oversight; iv. stream diversions; and v. stream and terrestrial mitigation, offset and compensation areas (including site selection and ongoing involvement); c) confirmation of the roles and responsibilities of personnel in respect of clauses (a) and (b); d) details of a 'Cultural Health Monitoring Framework'; e) approaches to the collection, harvesting and reuse of taonga vegetation, including the removal of dead fauna and the management of disturbed soil that includes leaf litter; f) a kaitiakitanga plan to scope opportunities for participation in planting, pest control, fencing, fish surveys and/or transfer, species monitoring and translocation; g) provision for narrative and cultural connections with the following places to be protected and uplifted (including by placement of signs for wayfinding) at [locations to be confirmed] h) provision for narrative and cultural connections with the following species to be protected and uplifted, including, but not limited to: <ul style="list-style-type: none"> i. [to be confirmed]; i) a requirement to investigate the creation of a native ngāhere as part of the remediation/rehabilitation design of the proposed material supply on the southern bank of the Waikawa Stream (if it is used), and for that native ngāhere to include: <ul style="list-style-type: none"> i. mahi toi such as carved Pou, signage and planting; ii. rongoā and rākau harvest places; and

Objective	Related Conditions/Standards	Minimum Content
		<ul style="list-style-type: none"> iii. recreational walking access to the Stream; iv. The new reserve should be named in a manner that is respectful of kaitiakitanga; j) identification of opportunities for future access to provide for the ability for Project Iwi Partners to sustainably harvest resources from their maunga and traditional harvesting grounds; and k) any other matters or measures to avoid or mitigate potential impacts on tangata whenua values, customs and practices. l) communications protocols and whānau engagement strategy.

SCHEDULE 5: Objectives and content of the Communications Plan

Objective	Related Conditions/Standards	Minimum Content
<p>The objective of the Communications Plan is to ensure that potentially affected parties are communicated with about ongoing design and construction management activities.</p>	<p>DCE1, DCE2, <u>and</u> DCE3 and DCE4</p>	<p>a) The Communications Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> i. the details of the community liaison person or persons appointed under Condition DCE1, including the ways in which their contact details will be made accessible to all members of the community; ii. a list of stakeholders, organisations, businesses and residents who will be communicated with; iii. topics of communication, including but not limited to: <ul style="list-style-type: none"> A. proposed hours of construction activities where these are outside of normal working hours or on weekends or public holidays, including night-time heavy vehicle movements; B. proposed routes for construction vehicles, including the total number of vehicles, proportion of heavy vehicles and the times of day these routes will be used; C. the Project complaints management measures in accordance with Condition DCE23; D. any temporary traffic management measures, including disruption of, or changes to, pedestrian and cycling routes and the reinstatement of those routes; E. general conceptual design matters including but not limited to landscaping, rest areas, viewing points, and the shared use path; F. predicted noise levels and associated mitigations, including construction, temporary and on-going road-traffic noise and monitoring activities <u>including communication in respect of the rationale for, and anticipated temporary effects of, the interim road surfacing (prior to the low road noise surface required by Condition DRN1 being installed)</u>; G. progress of construction activities relative to key project milestones and completion dates. iv. the communications platforms to be used, and the programme for their use, including: <ul style="list-style-type: none"> A. a Project website that is used for providing information to the public; B. the planned publication of newsletters, and associated newsletter delivery areas; C. Project information days, open days or other mechanisms to facilitate community engagement; D. newspaper advertising; and

Objective	Related Conditions/Standards	Minimum Content
		<p>E. targeted notification and consultation with road user groups, business owners and operators and individual property owners and occupiers with premises/dwellings located within 100 metres of active construction activities, including with PPFs identified in Schedule 9, and including notification of the road being open for public use, and the resulting changes to the traffic and noise environment.</p>

SCHEDULE 6: Methodology for revised assessment of visual effects

The methodology that applies to the revised assessment of visual effects from dwellings required by Condition DLV2 is as follows:

1. The assessment must be undertaken by a suitably qualified and experience person or persons.
2. The assessment must be consistent with the concepts, principles, and approaches in *‘Te Tangi a te Manu – Aotearoa New Zealand Landscape Assessment Guidelines’* Tuia Pito Ora/New Zealand Institute of Landscape Architects, June 2022 and must:
 - a) assess effects from all dwellings within 400 metres of the proposed highway carriageway, except that in urban areas the assessment is to be limited to those dwellings on the highway edge of the urban area;
 - b) estimate effects using desk-top analysis and roadside observation;
 - c) describe the nature of the effect from each dwelling and assess its magnitude having regard to the following factors:
 - i. distance from the carriageway;
 - ii. apparent orientation of the dwelling;
 - iii. the nature of the highway in the relevant outlook;
 - iv. the extent of existing screening or softening by vegetation or buildings; and
 - v. the presence of elements in the foreground and middle-ground that contribute to depth perspective.

- d) describe the magnitude of effect using the following seven-point scale.

Very low	low	low-mod	moderate	mod-high	high	very high
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- e) For each dwelling, describe the effectiveness of mitigation that is described in the outline plan and adjust the assessment of the magnitude of effect to reflect the mitigation.

SCHEDULE 7: Objectives and content of the Ecology Management Plan

Objectives	Related Conditions/ Standards	Minimum Content
Ecology Management Plan		
<p>The objective of the Ecology Management Plan is to address the potential adverse effects of the Ō2NL Project, including construction activities, on ecology and indigenous biological diversity values, including by achieving the standards in the relevant conditions of these resource consents.</p>	<p>RTE1, RTE2, RTE3, RTE4, RTE5, RTE6, RTE7, <u>RTE8</u>, REM1, REM4, REM5, REM6, REM7, REM8, REM9, REM11, REM12, REM13, REM19, <u>and RWB3</u></p>	<p>The Ecology Management Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> a) the identification of key personnel, including their roles and responsibilities; b) a summary of the ecology and indigenous biodiversity values of the Project Area and the potential adverse effects of the Project on these values; c) a summary of the approaches taken to the management of adverse effects on ecology and indigenous biodiversity values; d) site staff induction procedures in respect of ecology, including measures to prevent the introduction of pest plants and pest animals; d) a description of consultation undertaken with the Project Iwi Partners and the Department of Conservation, including details of how the Ecology Management Plan responds to matters raised during consultation; e) approaches to the management of vegetation clearance through: <ul style="list-style-type: none"> i. vegetation clearance protocols that include demarcation, timing of clearance; and supervision requirements; ii, setbacks for the storage of sawdust, chip or mulch near water bodies; ii. procedures and timing for the direct transfer of raupō reedland, indigenous fernland (weltand), and rautahi sedgeland; iii. opportunities for the salvage and reuse of plant material and soils; f) vegetation type, planting descriptions, outcomes and methods for establishments including: <ul style="list-style-type: none"> i. a planting guide that sets out: <ul style="list-style-type: none"> A. the source of plants from the rohe or relevant ecological districts, including a propagation guide or, where this is not possible, a process to confirm alternative sources with the Project Iwi Partners and the Regional Council;

Objectives	Related Conditions/ Standards	Minimum Content
		<ul style="list-style-type: none"> B. plant specifications; C. species mix; D. nursery requirements; E. methods, plant numbers, spacing, density and timing of planting; F. approaches to livestock exclusion. ii. pest plant and animal management, including the use of appropriate toxins (that is, not anti-coagulants) to control pest animals around stormwater ponds; iii. if present within the proposed planting areas, including the margins of stormwater ponds, browsing pest animal species such as rabbits, hares, possums, and pūkeko will either be eradicated or suppressed to low levels prior to planting; iv. an establishment programme and performance targets; iv. planting monitoring and maintenance approach and timeline; vi. the location and legal arrangements for the planted areas; vii. approaches to reducing the potential for bird strike from vehicles through plant species selection along the highway; and viii. opportunities for the participation of the community in planting. g) measures to manage the biosecurity requirements in Condition RTE14REM4; h) the procedures for pre-construction avifauna surveys; i) approaches to the management of potential effects on indigenous birds specific to species and habitat type including: <ul style="list-style-type: none"> i. constraints on vegetation clearance; ii. deterrents; iii. exclusion zones; iv. supervision; and v. responses to accidental harm. j) a description of the methodology for lizard survey, capture, transfer and release, including: <ul style="list-style-type: none"> i. the identification of habitats for survey;

Objectives	Related Conditions/ Standards	Minimum Content
		<ul style="list-style-type: none"> ii. protocols for lizard salvage prior to, and during, vegetation clearance; and iii. protocols for surveys post clearance in any location where more than ten (10) lizards are found; k) approaches to lizard injury and/or mortality; l) procedures for pre-construction survey capture and relocation to identified closest similar habitats of 'At Risk' or 'Threatened' indigenous invertebrate species as defined by the Department of Conservation New Zealand Threat Classification System, including the following 'Not Threatened' invertebrate species: <ul style="list-style-type: none"> i. Wainuia (<i>Wainuia umula</i>); ii. Peripatus (<i>Peripatoides novaezealandiae</i>); iii. Auckland tree wētā (<i>Hemideina thoracica</i>) iv. Wellington tree wētā (<i>Hemideina crassidens</i>) v. Cave wētā (<i>Pleioplectron hudsoni</i>) vi. Stick insects (<i>Clitarchus</i> spp.). <u>x) procedures for the pre-construction bat roost survey required by Condition RTE8:</u> m) A summary of offset and compensation actions to inform Ecology Offset Site Layout Plans, including specific monitoring and reporting requirements and incident reporting; n) the identification of areas, methods, targets and duration for pest plant and animal management; o) the Lizard Relocation Area Management Plan; p) the Freshwater Ecology Management Plan; and q) monitoring and reporting requirements.
Freshwater Ecology Management Plan		
<p>The objective of the Freshwater Ecology Management Plan is to achieve the standards set out in Conditions RFE1, RFE2, <u>RFE2A</u> and RFE4 and to avoid,</p>	<p>RFE1, RFE1A, RFE2, <u>RFE2A</u> and RFE4</p>	<p>The Freshwater Ecology Management Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> a) the identification of key personnel undertaking the implementation of the Freshwater Ecology Management Plan, including their roles and

Objectives	Related Conditions/ Standards	Minimum Content
<p>remedy, mitigate and offset adverse effects on freshwater ecology.</p>		<p>responsibilities;</p> <p>b) fish recovery protocols to provide procedures for the salvage and relocation of fish including opportunities for the Project Iwi Partners participate in the recovery and relocation of Taonga species;</p> <p>c) site-specific guidance of fish migration and spawning times;</p> <p>d) confirmation of culvert designs that provide fish passage through:</p> <ul style="list-style-type: none"> i. alignment with the stream simulation method set out in the design principles contained in the 'New Zealand Fish Passage Guidelines: For structures up to 4 metres, 2018'; and ii a requirement for culvert design to be reviewed by a suitably qualified person in terms of the capacity of the culvert to enable fish passage through the stream simulation method. <p>e) approaches to on-line stream works that, where such works cannot be avoided:</p> <ul style="list-style-type: none"> i. provide temporary fish passage; and ii. manage the timing of works in respect of site conditions and to avoid peak fish migration and spawning seasons. <p>f) approaches to stream creation and enhancement, including parameters to enhance the complexity of the habitat within the created channel such as instream debris, pool creation, riffle and run sequences;</p> <p>g) a programme of aquatic ecology monitoring that, for fine sediment and macroinvertebrate community data defines locations, methods and sampling frequency before, during and after construction, <u>including monitoring within the streams that feed [lakes] in catchments C and D [plan reference];</u></p> <p><u>x) response actions and measures to be implemented where triggered by the results of the monitoring required by Condition RFE4; and</u></p> <p>h) post-construction measurement and monitoring of fish passage parameters at culverts and through new stream reaches.</p>
<p>Lizard Relocation Area Management Plan</p>		
<p>The objective of the Lizard Relocation Area</p>	<p>RTE5 and REM10</p>	<p>A Lizard Relocation Area Management Plan must include, but not be limited to:</p>

Objectives	Related Conditions/ Standards	Minimum Content
<p>Management Plan is to describe the approach to the establishment and management of the Lizard Relocation Area required by Condition REM10.</p>		<ul style="list-style-type: none"> a) the vision and objectives, governance, stakeholders for the area, b) a description of the ecological values to be protected or enhanced; c) the specifications of the predator-proof fence construction, including access and recommended maintenance; d) details of pest animal and plant eradication methods, including targets for eradication; e) details of monitoring for pest animal incursions; and f) details of habitat restoration and enhancement activities.

SCHEDULE 8: Objective and content of the Erosion and Sediment Control Plan

Objective	Related Conditions/ Standards	Content
Erosion and Sediment Control Plan		
<p>The objective of the Erosion and Sediment Control Plan is to identify the overarching erosion and sediment control principles and procedures to be implemented to achieve compliance with the standards included in the related Conditions.</p>	<p>RES1, RES2, RES9 and RES10</p>	<p>The Erosion and Sediment Control Plan (including all appended sub-plans) must include, but not be limited to:</p> <ul style="list-style-type: none"> a) the identification of key personnel, including their roles, responsibilities, training and contact details; b) the overarching erosion and sediment control design standards and principles with reference to '<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>' June 2016 Guideline Document 2016/005 Version 2; c) a general description of the stages of, and sequencing of, works; d) the approach to implementing, changing and decommissioning erosion and sediment control measures with reference to Site-Specific Erosion and Sediment Control Plans; e) the outcomes of consultation with the Project Iwi Partners; f) the overarching approach to monitoring, responses and corrective actions; g) procedures to change or update the ESCP and supporting documents; h) the following supporting documents: <ul style="list-style-type: none"> i. Chemical Treatment Plan; ii. Erosion and Sediment Control Monitoring Plan; iii. Dewatering Management Procedure; iv. Emergency Spill Response Procedure; and v. Stream Works Procedure; vi. Hazardous Substances Procedure.

Objective	Related Conditions/ Standards	Content
Chemical Treatment Plan		
<p>The objectives of the Chemical Treatment Plan is to provide an approach for determining the effectiveness and dosing rates for chemical treatment to enhance the efficiency of erosion and sediment control measures</p>	<p>RES1 and RES9</p>	<p>The Chemical Treatment Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> a) a methodology for testing and chemical treatment; b) a description of the flocculation system and when it is required; c) approaches to monitoring, maintenance, recordkeeping and reporting.
Erosion and Sediment Control Monitoring Plan		
<p>The objective of the Erosion and Sediment Control Monitoring Plan is to provide an approach to monitoring the efficiency and effectiveness of erosion and sediment control measures to achieve the standards in Conditions RES1 and RES9</p>	<p>RES1 and RES9</p>	<p>The Erosion and Sediment Control Monitoring Plan must include, but not be limited to:</p> <ul style="list-style-type: none"> a) a description of weather monitoring; b) approaches to regular and rain event site inspections; c) methodologies for water sampling, including in respect of spot monitoring required by Condition RES9; d) management responses to any exceedance of the performance triggers in Condition RES1 <u>including:</u> <ul style="list-style-type: none"> i. <u>a consideration of the appropriateness of the standards in the <i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>’ June 2016 Guideline Document 2016/005 Version 2;</u> ii. <u>actions to address poor performance of a device where there are repeated exceedances;</u> and e) approaches to site auditing and requiring requirements including as part of the annual report and trigger event reporting.
Dewatering Management Procedure		
<p>The objective of the Dewatering</p>	<p>RES1 and RGW1</p>	<p>The Dewatering Management Procedure must include, but not be limited to, a</p>

Objective	Related Conditions/ Standards	Content
Management Procedure is to provide methodology for dewatering to achieve the standards in Condition RGW1.		description of procedures for undertaking dewatering activities.
Emergency Spill Response Procedure		
The objective of the Emergency Spill Response Procedure is to establish procedures to manage accidental chemical and oil spills.	RCM4 and RES1	The Emergency Spill Response Procedure must include, but not be limited to: <ul style="list-style-type: none"> a) approaches to preventing fires, explosions and chemical or oil spills; b) responses to fires, explosions and chemical or oil spills; c) details of emergency contacts.
Stream Works Procedure		
The objective of the Stream Works Procedure is to provide an approach for stream diversion and culvert installation to achieve compliance with Conditions RFE1, RFE2, <u>RFE2A</u> , RFE4, RWB1 and RWB2	RES1, RFE1, RFE2, <u>RFE2A</u> , RFE4, RWB1 and RWB2	The Stream Works Procedure must include, but not be limited to a methodology for undertaking stream diversions include the provision for fish passage.
Hazardous Substances Procedure		
The objectives of this HSP is to manage hazardous substances at the Project site to meet statutory requirements and to avoid potential adverse effects on the environment and health and safety of people.	RCM4 and RES1	The HSP must include, but not be limited to: <ul style="list-style-type: none"> a) the identification of key personnel, including their roles, responsibilities; b) hazardous substances register and recordkeeping procedures; c) approaches to the storage of hazardous substances; d) refuelling procedures; e) approaches to concrete works.

Objective	Related Conditions/ Standards	Content
Site-Specific Erosion and Sediment Control Plans		
<p>The objective of Site-Specific Erosion and Sediment Control Plans is to put in place the Erosion and Sediment Control Plan by providing the design details for all erosion and sediment control measures to be implemented within a particular area.</p>	<p>RES1, RES2, RES5 and RES10</p>	<p>Site-Specific Erosion and Sediment Control Plans must be prepared in accordance with '<i>Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region</i>' June 2016 Guideline Document 2016/005 Version 2 or as otherwise required by the conditions of these resource consents and must include, but not be limited to, the following:</p> <ul style="list-style-type: none"> a). contact details of the person or persons responsible for the Site-Specific Erosion and Sediment Control Plan; b). a description of the construction activities to be undertaken; c). a description of the outcomes of any consultation with the Project Iwi Partners; d). a site contour plan of a suitable scale to identify: <ul style="list-style-type: none"> i. the location of waterways; ii. the extent of soil disturbance. iii. any exclusion or buffer area where works will not occur; iv. areas of cut and fill ; v. locations of topsoil and cleanfill stockpiles; vi all key erosion and sediment control structures; vii the boundaries and areas of catchments contributing to all stormwater impoundment structures; and viii any other relevant site information; the design criteria, calculations and dimensions of all key erosion and sediment control structures; e). construction timetable for the erosion and sediment control works and the bulk earthworks proposed, including any staging proposed; f). a detailed methodology for any stream works and culvert installation, including sizing calculations and drawing of stream diversions; and g). temporary and permanent stabilisation methodologies.

SCHEDULE 9: Identified PPFs

The following are the PPFs to which Condition DRN3 applies.

Address	NZS 6808 Criteria	Noise category
Horowhenua District		
64 Sorenson Road	New	A
46 Sorenson Road	New	A
44 Sorenson Road	New	A
40 Sorenson Road	New	A
47 Sorenson Road	New	A
56 Sorenson Road	New	A
42 Sorenson Road	New	A
68 Sorenson Road	New	A
82 Sorenson Road	New	B
72 Sorenson Road	New	B
66 Sorenson Road	New	B
165 Fairfield Road	New	A
157 Fairfield Road	New	A
25 Heatherlea East Road	New	A
46 Heatherlea East Road	New	A
21 Heatherlea East Road	New	A
278 Heatherlea East Road	New	A
161 Fairfield Road	New	A
319 Arapaepae Road	New	A
168A Fairfield Road	New	A
167 Fairfield Road	New	A
168 Fairfield Road	New	A

Address	NZS 6808 Criteria	Noise category
174 Fairfield Road	New	A
172 Fairfield Road	New	B
163 Fairfield Road	New	A
60 Sorenson Road	New	A
1 Koputaroa Road	Altered	A
32 McDonald Road	New	A
54 Waihou Road	New	A
70 Waihou Road	New	A
73 Wakefield Road	New	A
106 Waihou Road	New	A
92 Waihou Road	New	A
48 Waihou Road	New	A
38 McDonald Road	New	A
42 Waihou Road	New	A
40 Waihou Road	New	A
118 Waihou Road	New	A
100 Waihou Road	New	A
82 Waihou Road	New	A
73A Wakefield Road	New	A
24 McDonald Road	New	B
45 McDonald Road	New	A
27 Redwood Grove	New	A
1051 Queen Street East	New	A
98 Arapaepae Road	New	A

Address	NZS 6808 Criteria	Noise category
1033 Queen Street East	New	A
74 Arapaepae Road	New	A
96 Arapaepae Road	New	B
11 Redwood Grove	New	A
132 Waihou Road	New	A
333 Arapaepae Road	New	A
1046 Queen Street East	New	A
31 Redwood Grove	New	A
26 Redwood Grove	New	A
20 Redwood Grove	New	A
38 Redwood Grove	New	A
32 Redwood Grove	New	A
1040 Queen Street East	New	A
39 Redwood Grove	New	A
37 Redwood Grove	New	A
1024 Queen Street East	New	A
43 Redwood Grove	New	A
22 Redwood Grove	New	A
131 Arapaepae South Road	New	A
21 Redwood Grove	New	A
15 Redwood Grove	New	A
1052 Queen Street East	New	A
42B Redwood Grove	New	A
42A Redwood Grove	New	A
48 Arapaepae Road	New	B
1041 Queen Street East	New	A

Address	NZS 6808 Criteria	Noise category
1068 Queen Street East	New	A
1070 Queen Street East	New	A
1063 Queen Street East	New	A
1071 Queen Street East	New	A
205 Arapaepae South Road	Altered	A
313 Arapaepae South Road	New	A
334 Arapaepae South Road	Altered	A
353 Arapaepae South Road	New	A
372 Arapaepae South Road	New	A
307 Arapaepae South Road	New	A
370 Arapaepae South Road	New	A
366 Arapaepae South Road	New	A
345 Arapaepae South Road	New	A
321 Arapaepae South Road	Altered	A
324 Arapaepae South Road	Altered	A
194 Kimberley Road	Altered	A
326 Arapaepae South Road	Altered	A
312 Arapaepae South Road	Altered	A
380 Arapaepae South Road	New	A
363 Arapaepae South Road	New	B

Address	NZS 6808 Criteria	Noise category
390 Arapaepae South Road	New	B
361 Arapaepae South Road	New	B
378 Arapaepae South Road	New	A
315 Arapaepae South Road	Altered	A
249 Tararua Road	New	A
259 Kimberley Road	New	A
269 Kimberley Road	New	A
273D Kimberley Road	New	A
273C Kimberley Road	New	A
273A Kimberley Road	New	A
248 Kimberley Road	New	A
264 Kimberley Road	New	A
264 Tararua Road	New	B
273B Kimberley Road	New	A
273E Kimberley Road	New	A
273 Kimberley Road	New	A
267 Tararua Road	New	A
273 Arapaepae South Road	New	A
397 Arapaepae South Road	New	B
249 Arapaepae South Road	New	A
397A Arapaepae Road South	New	A
195 Muhunua East Road	New	A
213A Muhunua East Road	New	A
194 Muhunua East Road	New	A

Address	NZS 6808 Criteria	Noise category
211 Muhunua East Road	New	A
213 Muhunua East Road	New	B
205 Muhunua East Road	New	A
213 Muhunua East Road	New	A
213D Muhunua East Road	New	A
211A Muhunua East Road	New	A
211B Muhunua East Road	New	A
197 Muhunua East Road	New	A
245 Muhunua East Road	New	A
514 Arapaepae South Road	New	A
530 Arapaepae South Road	New	A
496 Arapaepae South Road	New	A
247 Muhunua East Road	New	A
520 Arapaepae South Road	New	A
218 McLeavey Road	New	B
523 Arapaepae South Road	New	A
461 Arapaepae South Road	New	A
429 Arapaepae South Road	New	A
6 Riveredge Terrace	New	A
413 Arapaepae South Road	New	A
481 Arapaepae South	New	A

Address	NZS 6808 Criteria	Noise category
Road		
465 Arapaepae South Road	New	A
507 Arapaepae South Road	New	A
495 Arapaepae South Road	New	A
242 Muhunoa East Road	New	A
17 Riveredge Terrace	New	A
437 Arapaepae South Road	New	A
435 Arapaepae South Road	New	A
247A Muhunoa East Road	New	B
517 Arapaepae South Road	New	A
459 Arapaepae South Road	New	A
265 Muhunoa East Road	New	A
501 Arapaepae South Road	New	A
480 Arapaepae South Road	New	A
28 Riveredge Terrace	New	A
20 Riveredge Terrace	New	A
521 Arapaepae Road South	New	A
26 Riveredge Terrace	New	A
218 McLeavey Road	New	A
197 McLeavey Road	New	A
198 McLeavey Road	New	A
207 McLeavey Road	New	A
65 Kuku East Road	New	A

Address	NZS 6808 Criteria	Noise category
61 Kuku East Road	New	A
63 Kuku East Road	New	A
679A State Highway 1	New	B
62 Kuku East Road	New	A
679B State Highway 1	New	B
121A North Manakau Road	New	A
119 North Manakau Road	New	A
90 North Manakau Road	New	A
123 North Manakau Road	New	A
94 North Manakau Road	New	A
76 North Manakau Road	New	A
137 North Manakau Road	New	A
137 North Manakau Road	New	A
101 North Manakau Road	New	A
37 Martins Road	New	A
51 North Manakau Road	New	A
46 North Manakau Road	New	A
861 State Highway 1	New	A
180 North Manakau Road	New	A
47 Martins Road	New	A
13 North Manakau Road	New	A
883 State Highway 1	New	A
43 North Manakau	New	A

Address	NZS 6808 Criteria	Noise category
Road		
35 North Manakau Road	New	A
25 Martins Road	New	A
19 Martins Road	New	A
677A State Highway 1	New	A
685 State Highway 1	New	A
29 Eastern Rise	New	A
29B Eastern Rise	New	A
32 Eastern Rise	New	A
108 Manakau Heights Drive	New	A
90 Manakau Heights Drive	New	A
30 Eastern Rise	New	A
29A Eastern Rise	New	A
59 Wi Tako Street	New	A
1 Ihaka Hakuene Street	New	A
31 Ihaka Hakuene Street	New	A
1 Honoiti Ranapiri Place	New	A
42 Wi Tako Street	New	A
5 Honoiti Ranapiri Place	New	A
119 Honi Taipua Street	New	A
141 Manakau Heights Drive	New	A
107 Honi Taipua Street	New	A
53 Wi Tako Street	New	A
95 Manakau Heights Drive	New	B

Address	NZS 6808 Criteria	Noise category
117 Honi Taipua Street	New	A
3 Ihaka Hakuene Street	New	A
43 Tame Porati Street	New	A
47 Tame Porati Street	New	A
46 Wi Tako Street	New	A
45 Wi Tako Street	New	A
50 Wi Tako Street	New	A
43 Tame Porati Street	New	A
40 Wi Tako Street	New	A
129 Manakau Heights Drive (building 1)	New	A
129 Manakau Heights Drive (building 2)	New	B
49 Tame Porati Street	New	A
17 Ihaka Hakuene Street	New	A
43 Mokena Kohere Street	New	A
42 Tame Porati Street	New	A
3 Honoiti Ranapiri Place	New	A
7 Honoiti Ranapiri Place	New	A
8 Honoiti Ranapiri Place	New	A
4 Honoiti Ranapiri Place	New	A
146 Manakau Heights Drive	New	A
157 Manakau Heights Drive	New	A
31 Eastern Rise	New	A
24 Ihaka Hakuene Street	New	A

Address	NZS 6808 Criteria	Noise category
22 Ihaka Hakuene Street	New	A
4 Ihaka Hakuene Street	New	A
32 Tame Porati Street	New	A
16 Ihaka Hakuene Street	New	A
21 Tame Porati Street	New	A
12 Ihaka Hakuene Street	New	A
33 Mokena Kohere Street	New	A
31 Wi Pere Street	New	A
28 Wi Tako Street	New	A
27 Tame Porati Street	New	A
36 Ihaka Hakuene Street	New	A
32 Ihaka Hakuene Street	New	A
33 Wi Pere Street	New	A
8 Hanawera Ridge Road	New	A
4 Hanawera Ridge Road	New	A
23 Manakau Heights Drive	New	A
52 Manakau Heights Drive	New	A
21 Manakau Heights Drive	New	A
11 Hanawera Ridge Road	New	A
32 Manakau Heights Drive	New	A
10 Nikau Lane	New	A
40 Manakau Heights Drive	New	A

Address	NZS 6808 Criteria	Noise category
82 Manakau Heights Drive	New	A
42 Manakau Heights Drive	New	A
75 Manakau Heights Drive	New	B
63 Manakau Heights Drive	New	A
52 Manakau Heights Drive	New	A
11 Hanawere Ridge Road Bldg 2	New	A
18 Manakau Heights Drive	New	A
38 Mountain View Drive	New	A
20 Mountain View Drive	New	A
63 South Manakau Road	New	A
18 Mountain View Drive	New	A
30 Mountain View Drive	New	A
44 Mountain View Drive	New	A
29 Mountain View Drive	New	A
35 Mountain View Drive	New	A
69 South Manakau Road	New	A
28 Mountain View Drive	New	A
27 Mountain View Drive	New	A
424 State Highway 1	Altered	A
424 State Highway 1 (bldg 2)	New	A

Address	NZS 6808 Criteria	Noise category
426 State Highway 1	New	A
36 South Manakau Road	New	A
10 South Manakau Road	New	A
45 South Manakau Road	New	A
45 Mountain View Drive	New	A
44A Mountain View Drive	New	A
46 Mountain View Drive	New	A
48 Mountain View Drive	New	A
47 Mountain View Drive	New	A
45A South Manakau Road	New	A
Kāpiti Coast District		
139 State Highway 1	Altered	A
222 State Highway 1	New	A
170 State Highway 1	New	B
94 State Highway 1	New	A
141 State Highway 1	Altered	A
178 State Highway 1	New	A
178 State Highway 1 (sleepout)	New	A
190 State Highway 1	Altered	A
224 State Highway 1	Altered	A
200 State Highway 1	Altered	A
143 State Highway 1	Altered	A
114 State Highway 1	Altered	A
210A State Highway 1	New	A

Address	NZS 6808 Criteria	Noise category
178 State Highway 1 (sleepout)	New	A

Annexure D: Record of Matters referred from Expert Witness Conferencing - Planning

Condition DRN3 Design of noise mitigation measures

The planning JWS (at row 8) records:

"All agree to retain DRN3(b)(ii) but DRN3(b)(ii) and (iii) are amended to add "or C" after 'Category A to Category B' to make it explicit that all possible scenarios would be covered.

All agree to amend DRN3(b)(i) and (ii) to include the following text "design change to the noise mitigation measures...". The planners are not clear whether the inclusion of this amendment provides the clarity the noise experts were seeking.

The planners considered whether the design change referenced in DRN3(b)(i) should also refer to "the design change is the best practicable option" and whether this would create any difficulties with the application of NZS6806.

This is being referred back to the noise experts for final input by the end of the planning expert conference."

The Condition DRN3 was provided to the noise and vibration experts (Michael Smith, Siiri Wilkening, Jon Styles and Rhys Hegley). The noise experts were asked the following questions:

- 1. Could you please confirm that these changes reflect the intent of the JWS?*
- 2. Could you please advise whether clause DRN3(b)(i) should also refer to the design change being the BPO and/or if this creates difficulties in terms of NZS6806?*

Michael Smith has responded in the negative to both questions.

In addition, Michael Smith has provided the following commentary:

"The issues raised in conferencing were:

- that the difference between b(ii) and b(iii) was unclear; and*
- b(iii) isn't actually a child to (b).*

Adding "to the noise mitigation measures" has not materially changed this. After conferencing, you and I discussed removing the nested list with just a single (b) which is essentially the current b(iii):

Where the detailed design of the Project described in the outline plan, in accordance with Condition DGA6,] results in any identified PPF listed in Schedule 9 changing noise criteria from Category A to Category B or C, or from Category B to Category C, this design change must be confirmed to be the Best Practicable Option. This may include minor changes to the location, length and type of mitigation required by DRN1 and DRN2.

This needs some work as to how the BPO confirmation works. In para 270 of my EIC I set out what we are trying to achieve:

270. The desirable outcomes include:

- (a) Design and constructed noise levels are consistent with (but not necessarily equal to) the consented design;*

- (b) *The form of mitigation applied during design and construction is consistent with the best practicable option established through the consenting process;*
- (c) *Design and construction changes are reviewed by a suitably qualified person through the lens of the noise mitigation evaluations, and reconfirmed as BPO where there are material changes;*

Ps. Do we really need this many referencing to DGA6 in this condition? DRN3(d) is explicit that the design report must be provided as part of the Outline Plan.”

No other responses from the noise and vibration experts have been received. Condition DRN3 in Annexure C remains as agreed in the planning JWS.

Construction noise and vibration receivers

The planning JWS (at row 15) records:

“The planners require clarity from the noise experts as to the rationale for the requested changes in terms of construction noise and vibration receivers.

All agree that at this stage in the absence of explanation from the noise experts there is no need to change the current conditions.”

The following email was sent to the noise and vibration experts (Michael Smith, Siiri Wilkening, Jon Styles and Rhys Hegley).

“The planning witnesses note the following statements in the noise and vibration JWS:

“All agreed to amend schedule 2 CNVMP (e) to insert “receivers” after ‘of’ and continue after ‘where’.

All agree that the definition of ‘construction noise sensitive receivers’ is reconsidered by the planners consistent with NZS6803. All agreed that the definition of PPF to be removed from the glossary. All agreed that schedule 9 shall remain the same.

All agreed to amend table DNV-1 to ‘other occupied buildings’ and all consequential changes e.g., DNV1(a) and schedule 2.”

The planning witnesses do not consider that the rationale or direction for these amendments is clear in your JWS.

Could you all please provide a succinct commentary to confirm the rationale for the changes that you have agreed?”

Michael Smith has provided the following response, that has been subsequently endorsed by Siiri Wilkening:

“The rationale was to provide certainty as to which receivers of construction noise and vibration are addressed by conditions without providing confusion about whether a dwelling is a construction PPF (glossary) vs a road-traffic noise PPF (schedule 9)

Construction noise

NZS 6803 provides criteria for dwellings as well as commercial/industrial receivers. While the inclusion of marae, overnight medical care, schools etc to the scope of DNV1 is a good outcome, we consider that these combined receivers would be better referred to as

“Construction noise receivers” rather than PPFs. For clarity, PPFs should only refer to the properties listed in Schedule 9.

We considered that “Other buildings that accommodate commercial activities” in DNV-1 was less clear than “Other occupied buildings” which have been successfully used on other projects. While we understand that the desire was to not include a farm shed, the condition appeared to us to be a solution to a problem that doesn’t exist.

Construction vibration:

All buildings should be subject to criteria that relate to potential damage from vibration.

Amenity criteria should apply to all occupied buildings, with a split based on their level of sensitivity.”

No other responses from the noise and vibration experts have been received. The Conditions in Annexure C do not include any amendments in response to this portion of the noise and vibration JWS.

Construction Noise and Vibration Management Plan Schedule 2(j)

The planning JWS (at row 16) records:

“All agree to amend CNVMP schedule 2 (j) to add "that are predicted or measured to receive vibration levels at or above 5mm/s PPV" after 'structures' and remove "that may be subject to actual structural or cosmetic vibration damage".

To be checked with the noise experts.”

The noise and vibration experts (Michael Smith, Siiri Wilkening, Jon Styles and Rhys Hegley). The noise experts were asked to confirm that the amendment agreed by the planners reflected the intent of the noise and vibration JWS.

Siiri Wilkening has confirmed that the wording reflects the JWS. No other responses from the noise and vibration experts have been received. Clause (j) to Schedule 2 Construction Noise and Vibration Management Plan in Annexure C remains as agreed in the planning JWS.

Condition DGA1 and Condition RGA1 General accordace

The planning JWS (at row 20) records:

“All agree that the respective general accordace conditions should include reference to the parts of the section 92 response that alters the project described in the condition.

MSC and HA are to undertake a check of the section 92 responses to identify if any parts need to be specifically referred to in the general accordace conditions.

All agree that the respective general accordace conditions should be updated prior to a final version being provided to the Court that inserts final drawing and plan references.”

HA has provided a list of matters included in the Waka Kotahi section 92 response that she considers should be referenced in Condition DGA1 as follows:

- Question 108 (and Attachment 1);
- Question 109 (and Attachment 2);
- Question 115 (and Attachment 3);
- Question 118 (and Attachment 4);
- Question 178 (and Attachment 5);
- Question 179 (and Attachment 6);
- Question 185;
- Question 189 (and Attachment 7);
- Question 190; and
- Question 192 (and Attachment 8).

MSC has noted that there is a need for Condition RGA1 to provide for amendments from the hearing and has provided a list of matters included in the Waka Kotahi section 92 response that he considers should be referenced in Condition RGA1 as follows:

- Surface Water Takes 1 – 14;
- Terrestrial Ecology 20;
- Freshwater Ecology 29, 36, 40;
- Water Sensitive Design 50, 51, 54, 55, 57;
- Hydrology and Groundwater 62;
- Erosion and Sediment Control 66;
- Hyrdology and Flooding 76, 77, and 83.

Due to time constraints the appropriateness of the inclusion of the matters from the Waka Kotahi section 92 responses identified by HA and MSC has not been considered by the planners. The Conditions in Annexure C do not include any amendments to include the matters identified by HA and MSC.

New Condition RTE8 Bat roost survey

The planning JWS (at row 27) records:

“All agree to insert a new condition requiring that prior to construction commencing a survey of potential bat roost habitat shall be undertaken in the period October-April by a suitably qualified bat expert to identify whether bats are roosting or not.

If bat roosts are found to be present the provisions of REM5 shall apply.”

Nick Goldwater, James Lambie and Bryn Hickson Rowden have confirmed that the habitats to which this condition should apply are ETF1, ETF2, ETF3, ETF4, ITF4, ITF6, ITT01, ITT02, ITT04, ITT05, ITT06, MTF5.

These habitats are included in new Condition RTE8 in the Conditions attached as Annexure C.

Condition REM4 Biosecurity

The planning JWS (at row 28) records:

"All agree to amend REM4 to insert a new (e):

"To manage the spread of field horse tail and yellow brittlegrass:

- i. Pre-construction survey for the presence of these species must be undertaken [at borrow sites]*
- ii. [Where present, a protocol]*
- iii. [Where otherwise discovered during construction]."*

This should also be added to schedule 7.

AM to draft appropriate conditions and consult with ecologists on appropriate protocol."

The terrestrial ecology experts (Nick Goldwater, James Lambie and Bryn Hickson Rowden) were provided the following draft clause REM4(e) and asked for *"brief direction in respect of what protocol or action would be appropriate to embed in condition REM4(e)(ii) or require to be included in the EMP"*:

"e) To manage the spread of field horse tail and yellow brittlegrass:

- i. a pre-construction survey for the the presence of these species must be undertake at all material supply sites identified on [drawing reference];*
- ii. where the survey required by clause (e)(i) identifies the presence of these species:
A. [what action?]
B. [any other action?]*
- iii. in addition to the survey required by clause (e)(i), where these species are discovered during construction the protocols set out in clause (e)(ii) must be implemented."*

The terrestrial ecology experts (Nick Goldwater, James Lambie and Bryn Hickson Rowden) responded with agreed alternative drafting as follows (shown in track changes):

"e) To manage the spread of field horse tail and yellow brittlegrass:

- i. a pre-construction survey for the the presence of these species must be undertake at all material supply sites identified on [drawing reference];*
- ii. where the survey required by clause (e)(i) identifies the presence of these species, the management protocols set out in the Ecology Management Plan must be implemented prior to any material, vehicles, and machinery being removed from the site(s).÷
~~A. [what action?]~~
~~B. [any other action?]~~*

~~iii. in addition to the survey required by clause (e)(i), where these species are discovered during construction the protocols set out in clause (e)(ii) must be implemented.~~

Condition REM4 in Annexure C remains as agreed in the planning JWS and does not currently incorporate the alternative drafting set out above.

Condition REM19 Offsetting monitoring

The planning JWS (at row 29) records:

“All agree to amend REM19(e) to add a new (iii) if necessary, set out any additional measures that must be implemented to achieve a net gain outcome.”

“AM will check the necessity of the proposed REM19(e)(iii) with the ecologists.”

Nick Goldwater, James Lambie and Bryn Hickson Rowden have confirmed that the amendment reflects the agreement reached in the Joint Witness Statement of the Terrestrial Ecology Experts.

This amendment is included in Condition REM19 in the Conditions attached as Annexure C to the Joint Witness Statement of the Planning Experts.

Condition RGW3 Groundwater monitoring

The planning JWS (at row 44) records:

“RGW3(a)(ii) – the planners consider the best approach to this issue is to settle on an appropriate sample and reporting frequency for inclusion in this condition as opposed to leaving it to a later time. AM to follow up.”

The hydrogeology and groundwater experts (Jack McConchie and Jon Williamson) have been asked the following questions:

1. *Whether it is possible to set out the sampling and/or reporting frequency in Condition RGW3(a)(ii) – see below; and*
2. *If so, what this should be.”*

While the witnesses have conferred, no response to the questions has been received and the Condition RGW3(a)(ii) is unchanged in Annexure C.

Condition RFE4 Freshwater ecology monitoring

The planning JWS (at row 53) records:

“All agree that the standards in appendix B to Keith Hamill's evidence needs to be included in RFE4.”

The Conditions in Annexure C do not include these amendments. It is considered that the further standards, not already included, that are appropriate for inclusion in Condition RFE4 need to be clearly identified by the freshwater ecology and erosion and sediment control experts.

Rainfall triggers

The planning JWS (at row 65) records:

"All agree that the rainfall triggers should be specified in the conditions to link between RFE4, RES1 and schedule 8.

AM to follow up with freshwater and erosion and sedimental control experts to define the rainfall trigger event in each catchment."

The freshwater ecology experts (Alex James, Logan Brown, Bryn Hickson Rowden, Siobhan Karaitiana and Quentin Parr), along with the erosion and sediment control experts (Gregor McLean, Keith Hamill, Kerry Pearce and Justine Bennett) have been asked the following questions:

- "1. Could the rainfall triggers referred to in the conditions be set out in the conditions (whether a single trigger or per catchment)?*
- 2. If so, could you possibly (please) define and agree these triggers?"*

Alex James has noted that Keith Hamill uses ">15mm/hr OR >25mm/24-hr" in the 'aquatic monitoring and response framework' diagram included in his evidence.

Gregor McLean has expressed a preference for rainfall triggers to be in the Erosion and Sediment Control Plan and comments as follows:

"I have discussed my position with Kerry Pearce.

My preference is that the rainfall triggers are contained within the Erosion and Sediment Control Monitoring Plan (ESCMP). The rainfall triggers are outlined in Section 1.4.1 of that plan. These are specified as rainfall triggers for the entire site.

I prefer this approach as if there is a need to change those triggers, which has been done on many projects after experience on site, it is done via a re-certification of the ESCMP, rather than a S127."

Similarly, Bryn Hickson Rowden has commented:

"Our experience with rainfall triggers is that they best defined in the ESCP.

Conditions for rainfall triggers could include the relative ecological robustness of each system – and will then act as a direction for the ESCP.

Not defining specific triggers in the conditions (relative to ecology) may also allow further monitoring to be undertaken which can aid in refining the most appropriate trigger relative to the robustness of the system."

The Conditions in Annexure C do not include any amendments that have the effect of definition rainfall triggers.

Construction Air Quality Management Plan Schedule 2(b)

The planning JWS (at row 67) records:

“All agree that the schedule 2 (b) - CAQMP provision would benefit from clarification as to what the key environment performance indicators are. If these are standards, they should be in the conditions. AM will seek advice from the air quality experts on what the intention is.”

The air quality experts (Andrew Curtis and Peter Stacey) were asked the following questions:

- “1. Could you please consider whether this clause could be further clarified?*
- 2. If so, does this clause infer that there are ‘standards’ that must be achieved?”*

Andrew Curtis records his conversation with Peter Stacey as follows:

“The intent of clause b) was to mirror the requirement of Section 1.6 of Waka Kotahi’s Construction Air Quality Management Plan Template (<https://www.nzta.govt.nz/assets/Highways-Information-Portal/Technical-disciplines/Air-quality/Construction/Construction-air-quality-management-plans/Construction-Air-Quality-Management-Plan-Template-19Jun2015.docx>)

Specifically in that document it states:

“The objective of the CAQMP is to ensure that all work is undertaken in a manner that complies with regulatory requirements. The regulations all have a common aim, which is to avoid, remedy, or mitigate adverse effects on the environment, including effects on the health of people and ecosystems and amenity effects.

In order for the construction of the Project to comply with all statutory requirements, the discharge of dust, odour, or hazardous air pollutants from this site must comply with the following: [type the relevant regional rules for discharges, eg for dust nuisance].

[describe the designation or resource consent conditions (where applicable) for air discharges and cross reference with relevant sections of the CAQMP]”

In this context we consider that in answer to your first question the clause could be clarified to state something like:

*“The key environmental performance indicators **set out in the consents and relevant regional plans** that apply, with reference to the environmental outcome to be achieved;”*

In answer to your second question we think that for air quality the primary standard is set out in RAQ1 a) Discharges to air from works authorised by these resource consents must not cause noxious, dangerous, offensive or objectionable effects at any point beyond the boundary of the Project Area.

There may be other conditions in the consents that could be considered standards such as RAQ1B c). However many of the other conditions are subsidiary to RAQ1 a) or are proposed to ensure that it is met.”

Due to time constraints, no amendments to Construction Air Quality Management Plan Schedule 2 in Annexure C have been made.