

Memo

Date 24 January 2024

To: Celia Davison – Manager – Central / South Planning
From: Vanessa Leddra, Policy Planner
 Planning – Central/South

Subject: Plan Modification: Clause 20A modification to Auckland Unitary Plan

Corrections are required to be made to the Auckland Unitary Plan (Operative in Part) 2016 (the AUP).

I seek your approval of this plan modification pursuant to clause 20A, first schedule, Resource Management Act 1991.

You have delegated authority, as a tier four manager, to make a decision to correct an error to an operative plan under clause 20A. Schedule 2A of the Auckland Council Combined Chief Executives Delegation Register¹ authorises all powers, functions, and duties under RMA's first schedule (except clause 17 which cannot be delegated) to tier four positions.

Rule or Section of Unitary Plan	Chapter K Designations New Zealand Transport Agency [NZTA]
Subject Site (if applicable)	Designation 6769: Ara Tūhono – State Highway 1 realignment Puhoi to Warkworth
Legal Description (if applicable)	
Nature of change	<p>A Clause 20A modification is required to correct a NZTA designation in the AUP.</p> <p>Discussion</p> <p>In accordance with Section 184A of the Resource Management Act (the Act), designations lapse five years after being included in the plan unless the designation has been given effect to or the designation specified a different period when incorporated into the plan.</p> <p>A requiring authority, may within three months before the expiry of a lapse date, resolve that it has made, and is continuing to make, substantial progress or effort towards giving effect to the designation and fix a longer period (section 184A(3(b) of the Act).</p> <p>In January 2024, Auckland Council (Plans and Places)] advised NZTA about this lapsing designation as set out above and requested:</p> <ol style="list-style-type: none"> Confirmation as to whether this designation which was due to expire on 15 December 2024 had either been given effect to and if not whether a longer lapse period is required

2. Alternatively, if the designations should be allowed to lapse and be removed from the AUP
3. A review and confirmation of whether the information of each designation was correct.

Note that NZTA is also known as their corporate name Waka Kotahi or WKNZTA.

NZTA is the Requiring Authority for two designations under the AUP which would have lapsed in 2024, unless given effect to. According to NZTA, construction was completed in early 2023 and the motorway was opened to the public in June 2023. Therefore, NZTA have advised that this designation has been given effect to, prior to the lapse date of 15 December 2024.

This designation as set out below will remain in the AUP unless and until NZTA requests its removal.

Designation Number	Name	Purpose	Address	Date given effect to [completed]
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6769	Ara Tūhono – State Highway 1 realignment Pūhoi to Warkworth	The construction, operation and maintenance of a State highway (Ara Tūhono - Pūhoi to Wellsford Road of National Significance: Pūhoi to Warkworth Section)	State Highway 1 between Pūhoi and Warkworth [from Johnstones Hill Tunnels to just north of Warkworth]	early 2023
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Effect of change

This NZTA designation is to be 'given effect to' as per the email request dated 23 January 2024 (see Attachment 1).

Effectively this means that the lapse date for the designations set out in Chapter K Designations, Auckland Council's schedule of designations, can be amended from 'five years from being operative in the Unitary Plan unless given effect to prior' to 'given effect to i.e. no lapse date'.

This change is minor in nature. The amendment does not change the application or intent of the provisions and are administrative to reflect that the designations have been given effect to.




Therefore, it is considered that this can be done via a First Schedule, clause 20a update to the AUP.

Changes required to be made

Designations to be Given effect to (i.e no lapse date)

Amend Chapter K Designations – New Zealand Transport Agency for the

(text/in-text diagrams)	following designation:				
	Designation Number	Designation Name	Purpose	Address	Date given effect to [completed]
	6769	Ara Tūhono – State Highway 1 realignment Pūhoi to Warkworth	The construction, operation and maintenance of a State highway (Ara Tūhono - Pūhoi to Wellsford Road of National Significance: Pūhoi to Warkworth section)	State Highway 1 between Pūhoi and Warkworth [from Johnstones Hill Tunnels to just north of Warkworth]	early 2023
Changes required to be made (maps)	N/A				
Attachments	Attachment 1: New Zealand Transport Agency request – email dated 23 January 2024 Attachment 2: Corrections to text (strikethrough/underscore) Attachment 3: Corrected text				

Prepared by: Vanessa Leddra Policy Planner	Text Entered by: Maninder Kaur-Mehta Planning Technician
Signature: 	Signature: 
Maps prepared by: Geospatial Analyst	Reviewed by: Craig Cairncross Team Leader
Signature: n/a	Signature: 
Decision: I agree to authorise the Clause 20A modification using my delegated authority.	

Celia Davison
Manager Planning – Central/South
Date: 14 February 2024

Signature:

C. A. Davison

Attachment 1: New Zealand Transport
Agency request – email dated 23 January
2024

44 Bowen Street
Pipitea, Wellington 6011
Private Bag 6995
Wellington 6141
New Zealand
T 0800 699 000
www.nzta.govt.nz

23 January 2024

Sarah El Karamany
Auckland Council
Private Bag 92300
Victoria Street West

Sent via: sarah.elkaramany@aucklandcouncil.govt.nz

Dear Sarah

New Zealand Transport Agency Designation 6769 – Confirmation Designation Given Effect To

Thank you for your email dated 23 January 2024 regarding the pending lapse date on New Zealand Transport Agency (NZTA) designation 6769. The purpose of this letter is to confirm that the NZTA has given effect to this designation. No extension to this designation is required.

Designation 6769 relates to the Ara Tūhono Pūhoi to Warkworth motorway, which forms part of State Highway 1. The designation covers the 18.5km from the Johnstones Hill Tunnels to just north of Warkworth. Construction was completed in early 2023 and this motorway officially opened to the public on 16 June 2023.

Please accept this letter as our request for Council to update the Auckland Unitary Plan in accordance with Schedule 1, Part 1, Clause 20A of the Resource Management Act 1991.

If you have any queries on this matter, please contact me via aaron.hudson@nzta.govt.nz or 04 894 6230.

Yours sincerely



Aaron Hudson
Senior Advisor
Poutiaki Taiao Environmental Planning
Waka Kotahi NZ Transport Agency

Attachment 2: Corrections to text
(~~strikethrough~~/underscore)

6769 Ara Tūhono – State Highway 1 realignment Puhoi to Warkworth

Designation Number	6769
Requiring Authority	New Zealand Transport Agency
Location	<p>Pt Allot 56 Psh Of Mahurangi DP 7361, Allot 97 Psh Of Ahuroa SO 6195A, Lot 6 DP 52247, Pt Allot 116 Psh Of Puhoi SO 1051, Allot 186 Psh Of Puhoi SO 26455, Lot 1 DP 74814, Allot 3A Psh Of Puhoi SO 6297, Pt Okahu ML 86, Lot 2 DP 163758, Lot 1 DP 157269, Lot 2 DP 169838, Lot 3 DP 113847, Lot 1 DP 199822, Sec 54 Blk XV Mahurangi Survey District SO 42469, Sec 62 Blk III Waiwera Survey District SO 41181, Lot 3 DP 169838, Allot 11A Psh Of Puhoi SO 6297, Sec 65 Blk III Waiwera Survey District SO 44340, Lot 2 DP 162291, Sec 55 Blk III Waiwera Survey District SO 41181, Pt Lot 1 DP 95606, Lot 2 DP 162354, Lot 8 DP 113848, Rec Land DP 55676, Sec 52 Blk XV Mahurangi Survey District SO 42469, Lot 6 DP 98771, Lot 6 DP 87207, Pt Lot 2 DP 180823, Lot 1 DP 208830, Lot 5 DP 52247, Lot 1 DP 52247, Lot 7 DP 52247, Lot 2 DP 74814, Sec 64 Blk III Waiwera Survey District SO 44298, Sec 61 Blk XV Mahurangi Survey District SO 42467, Pt Allot 283 Psh Of Mahurangi SO 27019, Lot 1 DP 199344, Pt Sec 17 Blk 111 Waiwera Survey District SO 6297, Sec 1 Blk XV Mahurangi Survey District SO 2435, Pt Sec 3 Blk III Waiwera Survey District SO 6297, Lot 3 DP 77098, Lot 1 DP 50685, Lot 1 DP 167491, Pt Lot 2 DP 151082, Allot 78 Psh Of Ahuroa SO 6195A, Lot 1 DP 118653, Pt Lot 3 DP 17945, Pt Sec SE163 Psh Of Mahurangi SO 2409, Lot 1 DP 169838, Sec 33 Blk XV Mahurangi Survey District SO 26451, Lot 1 DP 175210, Pt Allot 55 Psh Of Mahurangi SO 27C, Pt Okahu SO 28313, Lot 1 DP 199142, Sec 63 Blk III Waiwera Survey District SO 43363, Pt Sec 8 Blk III Waiwera Survey District SO 1745, Lot 2 DP 203390, Lot 4 DP 52247, Lot 2 DP 199822, Sec 50 Blk XV Mahurangi Survey District SO 42467, Pt Mblk Okahu, Lot 2 DP 157269, Sec 51 Blk XV Mahurangi Survey District SO 42469, Lot 1 DP 203389, Pt Okahu ML 86, Lot 3 DP 87208, Pt Allot N158 Psh Of Mahurangi SO 1050A, Lot 4 DP 206041, Allot 147 Psh Of Ahuroa SO 53558, Sec 57 Blk XV Mahurangi Survey District SO 42469, Lot 2 DP 171314, Lot 1 DP 168411, Lot 1 DP 587, Allot 148 Psh Of Ahuroa SO 53558, Allot 415 Psh Of Mahurangi SO 51667, Pt Allot E157 Psh Of Mahurangi SO 2409, Lot 2 DP 155056, Pt Lot 1 DP 74706, Pt Sec 43 Blk III Waiwera Survey District SO 28313, Pt Sec 67 Blk III Waiwera Survey District SO 44084, Pt Allot NW72 Psh Of Ahuroa SO 26, Lot 1 DP 203390, Lot 1 DP 198509, Lot 7 DP 113847, Pt Sec 12 Blk III Waiwera Survey District SO 41181, Pt Lot 1 DP 180823, Lot 1 DP 198032, Pt Allot 95 Psh Of Mahurangi SO 27C, Pt Allot 431 Psh Of Mahurangi SO 53421, Lot 2 DP 199142, Lot 2 DP 205339, Allot 409 Psh Of Mahurangi SO 48055, Lot 3 DP 52247, Sec 32 Blk XV Mahurangi Survey District SO 26451, Lot 1 DP 163758, Allot 389 Psh Of Mahurangi SO 45350, Pt Sec 45 Blk III Waiwera Survey District SO 42317, Pt Allot NW72 Psh Of Ahuroa SO 6632, Allot 124 Psh Of Ahuroa SO 44751, Sec 55 Blk XV Mahurangi Survey District SO 42469, Sec 25 Blk XV Mahurangi Survey District SO 26451, Sec 56 Blk XV Mahurangi Survey District SO 42469, Sec 53 Blk XV Mahurangi Survey District SO 42469, Lot 1 DP 162291, Lot 1 DP 77098, Pt Allot W157 Psh Of Mahurangi SO 2409, Lot 4 DP 168411, Sec 34 Blk XV Mahurangi Survey District SO 26451, Pt Allot M158 Psh Of Mahurangi SO 1050A, Lot 4 DP 169838, Lot 1 DP 43288, Lot 1 DP 25246, Sec 46 Blk III Waiwera Survey District SO 28313, Lot 1 DP 67330, Pt Sec 44 Blk III Waiwera Survey District SO 42317, Lot 2 DP 77098, Pt Allot 94 Psh Of Mahurangi SO 27C, Lot 3 DP 198032, Lot 2 DP 87208, Pt Allot 95 Psh Of Mahurangi SO 27C, Lot 5 DP 113847, Lot 1 DP 198843, Lot 2 DP 198843, Pt Okahu DP 12748, Lot 1 DP 329024, Lot 2 DP 329024, Lot 3 DP 329024, Lot 6 DP 329024, Pt Lot 1 DP 55676, Pt Lot 2 DP 96268, Lot 1 DP 339166, Lot 2 DP 339166, Lot 3 DP 339166, Lot 1 DP 343011, Lot 1 DP 334477, Lot 2 DP 334477, Lot 3 DP 334477, Lot 18 DP 344380, Lot 4 DP 346523, Lot 1 DP 321568, Lot 1 DP 344037, Lot 2 DP 344037, Lot 8 DP 344037, Lot 3 DP</p>

	369802, Pt Allot 55 Psh Of Mahurangi SO 26D, Pt Allot 75 Psh Of Ahuroa SO 2574, Pt Allot 75 Psh Of Ahuroa SO 2574, Pt Allot 184 Psh Of Puhoi SO 26455, Pt Allot 116 Psh Of Puhoi SO 1051, Pt Allot 95A Psh Of Mahurangi SO 3434, Pt Allot 95A Psh Of Mahurangi, Lot 1 DP 386317, Lot 2 DP 386317, Sec 2 SO 414559, Sec 4 SO 414559, Lot 3 DP 418913, Lot 1 DP 433555, Lot 3 DP 469718, Lot 4 DP 473567
Rollover Designation	Yes
Legacy Reference	Designation 408, Auckland Council District Plan (Rodney Section) 2011
Lapse Date	15 December 2024 Given effect to (i.e. no lapse date)

Purpose

The construction, operation and maintenance of a State highway (Ara Tūhono - Pūhoi to Wellsford Road of National Significance: Pūhoi to Warkworth Section)

Conditions

ARA TŪHONO- PŪHOI TO WELLSFORD ROAD OF NATIONAL SIGNIFICANCE: PŪHOI TO WARKWORTH SECTION - CONDITIONS

Definitions	
Auckland Transport	The Chief Executive of Auckland Transport
Canopy Species	Kauri, tanekaha, puriri, totara, kahikatea, rimu, rewarewa and taraire trees
CHAMP	Cultural, Heritage and Archaeological Management Plan
CNVMP	Construction Noise and Vibration Management Plan
Construction Works	Activities undertaken to construct the Project, excluding Enabling Works
COPTTM	NZ Transport Agency Code of Practice for Temporary Traffic Management
CTMP	Construction Traffic Management Plan
dBA	A unit of sound level which has its frequency characteristics modified by a filter (C-weighted) so as to account for the non-linear frequency response of the human ear at high noise levels (typically greater than 100 decibels).
dbh	Diameter at breast height, being diameter measured at 1.4 m above ground level
Enabling Works	Preliminary activities, including such things as geotechnical investigations (including access for such investigations), sealing roads, and establishment of mitigation measures (such as earth bunds and planting)
Heavy Vehicle	A motor vehicle having a gross laden weight exceeding 3500 kg
Heritage New Zealand	Heritage New Zealand Pouhere Taonga
Iwi Advisor	The advisor (or other nominated kaitiaki) appointed by Hōkai Nuku in accordance with Condition D7
KDBP	Kauri Dieback Biosecurity Plan
KQA	Kauri Quarantine Area
Manager	Manager Major Infrastructure Projects, Auckland Council (or the manager

	responsible for administering designations with the Project Area), or, in the appropriate context of a condition the Team Leader.
NZS6803:1999	New Zealand Standard 6803:1999 “Acoustics – Construction Noise”
PPF	Protected Premises and Facilities, as defined in New Zealand Standard 6806:2010 “Acoustics – Road-traffic noise – New and altered roads”
Project	The construction, maintenance and operation of the Ara Tūhono Pūhoi to Wellsford Road of National Significance: Pūhoi to Warkworth section
SCP	Stakeholder and Communications Plan
SSTMP	Site Specific Traffic Management Plan
Team Leader	Auckland Council Team Leader Compliance and Monitoring – Northern Resource Consenting and Compliance (Orewa) or the person subsequently exercising those functions and powers
ULDF	Urban Landscape Design Framework
ULDSP	Urban Landscape Design Sector Plan

General

D1. From the time of opening, the Project shall provide grade-separated southbound vehicle access onto and northbound egress off the Project road between Pūhoi Road and the Johnstone’s Hill tunnels. The design of the Project shall not preclude future access to the north of Pūhoi in the vicinity of Pūhoi Road.

D2A. A viaduct shall be constructed using a construction method and location that minimises the effects on kauri in the area shown on Appendix 15AN(1).

D2B. The viaduct over the Pūhoi River shall be constructed so that the viaduct is no further west than the line marked A to B as shown on Appendix 15AN(4).

D3. As soon as practicable following completion of construction of the Project, the Requiring Authority shall give notice to Auckland Council in accordance with section 182 of the RMA for removal of those parts of the designation that are not required for the long-term operation, maintenance and mitigation of effects of the State highway.

D4. The designation shall lapse if not given effect to within 15 years from the date on which it is included in the District Plan under section 175 of the RMA.

D5. Conditions D6 to D70 relate to construction of the Project and only apply to construction activities. Once construction of the Project is complete these conditions, unless otherwise specified in a condition, will no longer apply and can be removed.

D5A. On completion of the Project, the pre-cast yard and associated activity areas shall be returned to its former land use (See condition D70).

Network Utilities

D5B. The Requiring Authority shall ensure that construction work does not adversely impact on the safe and efficient operation of network utilities. The scope and timing of necessary utility relocation and protection works shall be developed and agreed between NZTA and network utility providers to mitigate any safety hazards and provide cost efficiency for the required works.

Stakeholder and Communication Plan

D6. Prior to the commencement of Construction Works, the Requiring Authority shall prepare a Stakeholder and Communications Plan (SCP) that sets out the procedures detailing how the public and stakeholders (including but not limited to the owners of properties adjoining or close to the Designation) will be communicated with throughout the construction period.

The purpose of the SCP is to provide the framework for:

- a. Informing the community of construction progress, including proposed hours of operation outside normal working hours and Project contact details;
- b. Engaging with the community in order to foster good relationships and to provide opportunities for learning about the Project;
- c. Providing early information on key Project milestones;
- d. Identifying stakeholders such as educational facilities (including Mahurangi College), iwi and hapu groups, community groups, business groups, residents organisations, Auckland Council, Watercare Services Limited, and local board; and
- e. Establishing Community Liaison Groups.

D6A. The Requiring Authority shall provide a draft SCP to the Manager and the Iwi Advisor for comment at least 30 working days prior to the commencement of Construction Works. The Requiring Authority shall consider any comments received from the Manager and Iwi Advisor when finalising the SCP.

D6B. The Requiring Authority shall implement the SCP for the duration of the Construction Works.

D6CA. At all times during construction work, the Requiring Authority shall maintain a permanent register of any complaints received alleging adverse effects from, or related to, the exercise of this designation. The register shall include:

- a. the name and address or phone number of the complainant (if supplied);
- b. identification of the nature of the complaint;
- c. location, date and time of the complaint and of the alleged event;
- d. weather conditions at the time of the complaint (as far as practicable), including wind direction;
- e. the outcome of the Requiring Authority's investigation into the complaint;
- f. measures taken to respond to the complaint; and
- g. any other activities in the area, unrelated to the Project that may have contributed to the complaint.

D6CB. The Requiring Authority shall respond to any complaint within 48 hours of the complaint, except where urgency is indicated, in which case the Requiring Authority shall use its best endeavours to respond within 2 hours;

D6CC. The Requiring Authority shall also maintain a record of its responses and any remedial actions undertaken, such record to also contain the responses and actions taken under Conditions RC10CA – RC10D;

D6CD. This record (to be included in the register) shall be maintained on site and shall be made available to the Team Leader, upon request. The Requiring Authority shall provide the Team Leader with a copy of the complaints register every month.

D6D. The obligations in Condition D6CA to D6CD shall continue for 6 months following the Project officially opening to general public traffic. Any complaints received after this period shall be managed by the Requiring Authority in accordance with its standard complaints procedures.

Iwi Advisor

D7. At least 12 months prior to commencement of Construction Works, the Requiring Authority shall request that Hokai Nuku (being comprised of the representatives for Ngāti Whatua, Ngāti Whatua o Kaipara, Te Uri o Hau, and Ngāti Manuhiri) appoint an Iwi Advisor or other nominated kaitiaki (together the Iwi Advisor) to undertake the roles and responsibilities as set out in these conditions.

D8. Where no Iwi Advisor is appointed by Hōkai Nuku within 6 months prior to Construction Works commencing or where at any time the appointed Iwi Advisor is unavailable or unwilling to undertake their roles and responsibilities set out in these conditions, the Requiring Authority shall seek the advice of Hokai Nuku prior to commencing an activity where the Iwi Advisor's input would otherwise be required and shall have regard to any advice provided by Hōkai Nuku.

D9. The Requiring Authority shall invite the Iwi Advisor to provide cultural indicators covering traditional association, mahinga kai and cultural stream health measures. The Requiring Authority shall have regard to any cultural indicators provided in the preparation of any management plan required under these conditions.

Construction Noise and Vibration

Noise Criteria

D10. Construction noise shall as far as practicable comply with the following criteria in accordance with NZS6803:1999:

a. Residential receivers:

	Time	dB L_{Aeq(T)}	dB L_{Amax}
Weekdays	0630-0730	55	75
	0730-1800	70	85
	1800-2000	65	80
	2000-0630	45	75
Saturdays	0630-0730	45	75
	0730-1800	70	85
	1800-2000	45	75
	2000-0630	45	75
Sundays and Public Holidays	0630-0730	45	75
	0730-1800	55	85
	1800-2000	45	75
	2000-0630	45	75

b. Industrial and commercial receivers:

Time	dB L_{Aeq(T)}
0730-1800	70
1800-0730	75

Notes:

“(T)” is a representative assessment duration between 10 and 60 minutes.

Measurement and assessment of construction and air blast noise shall be undertaken in accordance with NZS6803:1999.

Where the criteria set out above cannot be practicably met, the process in Condition D13 shall be adopted.

D11. Air blast noise shall comply with a peak sound level of 120dBA at 1 metre from the most exposed façade of any occupied building.

Vibration Criteria

D12. Construction vibration shall as far as practicable comply with the following criteria:

Receiver	Location	Detail	Category A	Category B
Occupied PPFs*	Inside the building	Night-time 2000h - 0630h	0.3mm/s PPV	1mm/s PPV
		Daytime 0630h - 2000h	1mm/s PPV	5mm/s PPV
		Blasting – vibration	5mm/s PPV	10mm/s PPV
Other occupied buildings	Inside the building	Daytime 0630h - 2000h	2mm/s PPV	5mm/s PPV
All other buildings	Building Foundation	Vibration - transient (including blasting)	5mm/s PPV	BS 5228-2 Table B.2
		Vibration - continuous		BS 5228-2 50% of Table B.2 values

Notes:

Measurements of construction vibration shall be undertaken in accordance with German Standard DIN 4150-3:1999 “Structural Vibration Part 3: Effects of vibration on structures”.

* For vibration, protected premises and facilities (PPFs) are dwellings, educational facilities, boarding houses, homes for the elderly and retirement villages, marae, hospitals that contain in-house patient facilities and buildings used as temporary accommodation (eg motels and hotels).

Where the criteria set out above cannot be practicably met, the process in Condition D13 shall be adopted.

Construction Noise and Vibration Management Plan

D13. The Requiring Authority shall prepare a Construction Noise and Vibration Management Plan (CNVMP) to identify how Conditions D10 to D12 will be met. The CNVMP shall identify the best practicable option for management and mitigation of all construction noise and vibration, including where full compliance with the criteria in Conditions D10 to D12 cannot be achieved. The CNVMP shall, at a minimum, include the information required by NZS 6803:1999, Annex E2. The term ‘noise’ in that document shall be interpreted as ‘noise and vibration’. The CNVMP shall be submitted to the Team Leader for certification prior to commencement of the works (being both Construction and Enabling Works).

D13A. The Requiring Authority shall implement the CNVMP for the duration of the Construction

Works.

D14. If measured or predicted vibration levels exceed the Category A criteria in Condition D12 above, then a suitably qualified expert shall be engaged to assess and manage construction vibration to comply with the Category A criteria as far as practicable.

D15. If measured or predicted vibration levels exceed the Category B criteria in Condition D12 above, then monitoring of vibration levels at those buildings shall be undertaken by a suitably qualified expert to identify, assess and manage any vibration effects on those buildings.

D16. Blasting shall only occur between 9.00am – 5.00pm Monday to Saturday. Pre-warning sirens shall be used prior to any blast.

D16a. The operation of the pre-cast yard at Woodcocks Road shall be limited to the following hours:

	Time
Weekdays	0730-1800*
Saturdays	0800-1600
Sundays and Public Holidays	No Work

* The Requiring Authority may move bridge beams, heavy machinery, and other items moveable only at night in and out of the pre-cast yard outside these weekday times.

Construction Traffic

General construction traffic conditions

D16A. During construction of the Project, the Requiring Authority shall ensure that Project-related Heavy Vehicles do not use:

- a. Falls Road;
- b. Perry Road;
- c. The driveway on Lot 2 DP 171314 (CT NA104C/827) east of the designation boundary; and
- d. The section of Woodcocks Road from State Highway 1 to Morrison Drive (adjacent to Mahurangi College), between the hours of 8:00 am to 9:00 am and 3:00 pm to 4:00 pm on school days.

D17. The Requiring Authority shall manage construction traffic and construction parking to:

- a. Protect public safety including the safe passage of pedestrians and cyclists;
- b. Minimise delays to road users;
- c. Minimise interruption to property access; and
- d. Inform the public about any potential impacts on the road network.

Construction Traffic Management Plan

D18. The Requiring Authority shall prepare a Construction Traffic Management Plan (CTMP) for the Project to identify how Conditions D16A and D17 will be met. The CTMP shall include the following:

- a. Details of traffic management activities and sequencing proposed for the Project;
- b. Methods for managing construction related traffic movements;
- c. A process for preparing Site Specific Traffic Management Plans; and
- d. Provisions to ensure that local traffic will not be held up by construction activities for an unreasonable period of time (such time period to be specified).
- e. Provisions for emergency services to have access along all local roads 24 hours per day, unless construction requires the temporary closure of a road, in which case, as part of the relevant SSTMP,

an emergency action plan shall be developed and agreed with emergency services prior to any temporary closure so that an agreed access via an alternative route is available for the duration of that closure.

D19. At least 60 working days prior to commencement of Construction Works the Requiring Authority shall provide the CTMP to Auckland Transport for comment. The Requiring Authority shall consider any comments received from Auckland Transport when finalising the CTMP. If the Requiring Authority has not received any comment from Auckland Transport within 20 working days of providing the CTMP, the Requiring Authority may consider that Auckland Transport has no comments.

D19A. The Requiring Authority shall submit the CTMP to the Manager for comment. The Requiring Authority shall consider any comments received from Auckland Council when finalising the CTMP. If the Requiring Authority has not received comments from Auckland Council within 20 working days of providing the CTMP, the Requiring Authority may consider that Auckland Council has no comments.

D19B. The Requiring Authority shall implement the CTMP for the duration of the Construction Works.

Site Specific Traffic Management Plans

D20. In compliance with the CTMP, the Requiring Authority shall prepare a Site Specific Traffic Management Plan (SSTMP) or Plans where any Project construction activity varies the normal traffic conditions of any public road. The purpose of the SSTMP(s) is to identify specific construction methods to address the particular circumstances, local traffic and community travel demands within the area covered by the SSTMP.

D21. [This condition is intentionally left blank]

D22. The SSTMP(s) shall comply with the version of the NZ Transport Agency Code of Practice for Temporary Traffic Management (COPTTM) which applies at the time the relevant SSTMP is prepared. Where it is not possible to adhere to this Code, the COPTTM's prescribed Engineering Exception Decision (EED) process shall be followed.

D23. A SSTMP shall be prepared in accordance with Conditions D20 to D22 for:

- a. Moirs Hill Road between the western extent of the Project and State Highway 1. This SSTMP shall:
 - i. provide for pedestrian, cyclist and equestrian safety;
 - ii. establish a liaison group with local residents;
 - iii. be developed in consultation with the owner(s) of 70 Moirs Hill Road and in particular to ensure that accesses are formed to each of the three gates to allow a vehicle to pull off the road to be clear of the traffic lanes; and;
 - iv. detail temporary speed limits (no greater than 50 km/hr) for construction traffic during construction of the Project.
- b. The vicinity of the intersection of the property access on Lot 1 DP 321568 and SH1, if the property access on Lot 1 DP 321568 is to be used for construction vehicles. This SSTMP shall:
 - i. include specific assessment of property access for 1488 State Highway 1;
 - ii. be developed in consultation with the owner(s) and occupiers(s) of 1488 SH 1;
 - iii. provide for turning bays, acceleration and deceleration facilities in and out of the property access on Lot 1 DP 321568;
 - iv. require the Requiring Authority to erect signs at either end of the construction access road on Lot 1 DP 321568, advising that no engine braking shall occur along that access; and
 - v. Require that heavy construction vehicles use the construction access road only between the hours of 0730 to 1800 Monday to Saturday excluding Sundays and public holidays except for any heavy vehicle movements or deliveries which cannot be practicably made during these hours.

c. The Hill Street intersection (being the intersections of State Highway 1, Hill Street, Elizabeth Street, Matakana Road, Sandspit Road and Millstream Place). This SSTMP shall include specific times for the prohibition of heavy construction traffic using the Hill Street intersection, based on the following periods:

- i. Weekday morning peaks;
- ii. Weekday afternoon peaks;
- iii. Late Friday afternoons and evenings;
- iv. Saturday mornings;
- v. Sunday afternoons; and
- vi. Public Holiday Monday afternoons.

d. Carran Road and Kaipara Flats Road from Woodcocks Road to SH1, unless construction traffic is specifically prohibited from using this route.

e. The proposed pre-cast concrete yard at Woodcocks Road for inbound and outbound traffic so that large vehicles with trailers (except for vehicles carrying large loads that require specific traffic management measures to ensure safe movements) can access the site without their swept paths encroaching into traffic lanes or running over verges, together with additional safety requirements should the access become obscured by fog.

D23A. At least 5 days prior to the applicable construction traffic commencing, the Requiring Authority shall provide the SSTMP to the relevant Road Controlling Authority for approval.

D23B. The Requiring Authority shall implement each SSTMP for the duration of the Construction Works to which the particular SSTMP applies.

Other

D23C. The Requiring Authority shall ensure vehicle access from the existing State Highway 1 is appropriate for the operation of a farm is retained to Lots 1 and 2 DP50685 and Lot 1 DP 74814, at all times during Construction Works unless otherwise agreed with the owner.

D24. The Requiring Authority shall ensure that adequate provision is made on State Highway 1 at the junctions with Pūhoi Road and also with Moirs Hill Road for set down areas to enable bus passengers to board and alight safely.

D25. [This condition is intentionally left blank]

Urban and Landscape Design

Urban and Landscape Design Framework

D26. The Requiring Authority shall design and construct the Project to appropriately integrate the permanent works into the surrounding landscape and topography, having regard to the local landscape character and contexts along the highway route.

D27. The Requiring Authority shall prepare an Urban and Landscape Design Framework (ULDF) to identify how Condition D26 will be met. The purpose of the ULDF shall be to ensure the integration of urban and landscape design with the overall design of the Project. The ULDF shall be consistent with:

- a. The urban design and landscape themes of the Northern Gateway Toll Road;
- b. Bridging the Gap: NZTA Urban Design Guidelines 2013;
- c. NZTA P39 Standard Specification for Highway Landscape Treatments 2013 (or any subsequent updates); and
- d. Mitigation required by other conditions of the Project designation and resource consents.

D28. The ULDF shall ensure the cultural footprint of mana whenua is acknowledged including the

connections between Te Koroto and Nga Pā o Te Hēmara Tauhia are maintained at all times where practicable (to be identified in liaison with the Iwi Advisor).

D29. The ULDF shall be prepared by a suitably qualified urban designer and landscape architect in consultation with the wider Project design team, and in collaboration with the Iwi Advisor.

D30. The Requiring Authority shall provide the draft ULDF to the following stakeholders at least 30 working days prior to submitting it to the Manager under Condition D32, by mailing to:

a. all owners and occupiers (if different) of:

- i. properties of Slowater Lane, Pūhoi;
- ii. properties of Pūhoi Close;
- iii. 60 Pūhoi Road, Pūhoi;
- iv. 46 Saleyards Road, Pūhoi;
- v. 815 SH 1, Pūhoi;
- vi. 1711 SH 1, Warkworth;
- vii. 62A Viv Davie-Martin Drive, Warkworth;
- viii. 62B Viv Davie-Martin Drive, Warkworth;
- ix. 77B Viv Davie-Martin Drive, Warkworth;
- x. 78 Viv Davie-Martin Drive, Warkworth;
- xi. 78B Viv Davie-Martin Drive, Warkworth;
- xii. 75 Wyllie Road, Warkworth;
- xiii. 221 Wyllie Road, Warkworth;
- xiv. 63 Perry Road, Warkworth;
- xv. 112 Perry Road, Warkworth;
- xvi. 122 Perry Road, Warkworth;
- xvii. 124 Perry Road, Warkworth;
- xviii. 40 Valerie Close, Warkworth;
- xix. 83 Valerie Close, Warkworth;
- xx. 123 Valerie Close, Warkworth;
- xxi. 141 Carran Road, Warkworth;
- xxii. 346 Woodcocks Road, Warkworth;
- xxiii. 372 Woodcocks Road, Warkworth;
- xxiv. 438 Woodcocks Road, Warkworth;
- xxv. 111 Kaipara Flats Road, Warkworth;
- xxvi. Lot 3 DP 418913;

xxvii. Asia Pacific International Group (NZ) Limited at its registered office; and

xxviii. Any other occupied dwellings within 500m of the designation boundary.

b. Manager Built Environment Auckland Council;

c. Pūhoi Landcare Group Incorporated;

d. Mahurangi Action Incorporated;

e. Slowater Lane and Pūhoi Close Residents Association; and

f. Pūhoi Close Residents - households from number 12, 16, and 24 Pūhoi Close.

D31. If the Requiring Authority has not received any comments from the stakeholders noted in Condition D30 within 20 working days of providing them the ULDF under Condition D30, the Requiring Authority may consider that the stakeholder concerned has no comments.

D32. The Requiring Authority shall submit the ULDF to both the Manager and the stakeholders set out in D30(a) – (f) in hard copy paper form for certification at least 40 working days prior to the commencement of Construction Works. The certification will confirm that the ULDF is consistent with Condition D27. The Requiring Authority shall include any comments from the stakeholders noted in

Condition D30 in its submission of the ULDF to the Manager, along with an explanation of where and why any comments have not been incorporated into the ULDF. If the Requiring Authority has not received any response (short of approval) from the Manager within 40 working days of submitting the ULDF, the Requiring Authority will be deemed to have certification and can commence preparation of the Urban and Landscape Design Section Plans.

Urban and Landscape Design Sector Plans

D33. Following certification of the ULDF, the Requiring Authority shall prepare an Urban and Landscape Design Sector Plan (ULDSP) for each sector of the Project in compliance with the ULDF.

D34. The purpose of the ULDSPs is to implement the ULDF through integrating the Project's permanent works, including areas of earthworks, structures, and mitigation works for landscaping, visual screening for residential properties, heritage, noise attenuation (if any) and ecology, into the surrounding landscape and topography, having regard to the local landscape character and contexts along the highway route.

D35. [Moved – now Condition D38C]

D36. Each ULDSP may be staged in accordance with Conditions D38, D38AA and D38C for the construction and permanent phases of the Project and shall include (where relevant):

a. Detailed design drawings and information for the urban design and landscaping elements, including:

- i. Form, articulation and finish of all bridge elements;
- ii. Pedestrian and cycle facilities on local roads;
- iii. Highway furniture, including road safety barriers, signage gantries, light standards;
- iv. Retaining walls and noise walls (if any);
- v. Treatment of cut and fill batters, including benching;
- vi. Stormwater measures, including wetlands.

b. Context sensitive design features to mark the entrances to Pūhoi and Warkworth. Feature elements shall be determined in conjunction with the Iwi Advisor, and in consultation with Auckland Council and Auckland Transport and shall reflect the history and character of the adjacent settlements (Pūhoi and Warkworth);

c. Landscape design details within the designation, including:

- i. Landscaping treatments (landform and planting), including rehabilitation of all areas used for temporary work and construction yards;
- ii. Pest removal, weed control and identification of vegetation to be retained;
- iii. Proposed planting including – plant species (including consideration of native food-bearing species), mixes (canopy and succession species), spacing/densities (which may incorporate any planting required under Conditions D59 and D60), and sizes (at the time of planting);
- iv. Integration of riparian planting required pursuant to the resource consents for the Project;
- v. Provision or enhancement of wildlife corridors where practicable;
- vi. Planting programme – the staging of planting in relation to the construction programme and the maintenance regime; and
- vii. Detailed specifications in accordance with NZTA P39 Standard Specification for Landscape Treatments.

D36A. When preparing each ULDSP, the Requiring Authority shall consider the suitability of sourcing planting raised via the open-ground forestry method, including availability and cost-effectiveness.

D37. Each ULDSP shall (where relevant):

- a. Where bridges will be viewed from afar or below (eg from Pūhoi River and from Woodcocks Road),

pay particular attention to the visual amenity of the structure as well as the design of the underside of the structure, including having regard to the utility requirements and ongoing maintenance.

- aa. Optimise views (subject to the obligation to mitigate noise) from bridges by appropriate barrier design;
- b. Employ techniques to ensure the cut rock face resembles natural fractures where appropriate;
- c. Design any terracing and benching to break up their faces to reduce visual dominance where appropriate, including being irregular and responding to the natural bedding layers of the base material;
- d. Minimise the visual impact of:
 - i. roadside drainage channels through design, location and planting;
 - ii. cuttings and fill embankments through appropriate grading to integrate with the surrounding landscape (where practical) and landscaping, avoiding “engineered” looking landforms and retention and incorporation of naturally occurring landforms and features within the area of earthworks (eg rock outcrops, watercourses, ridges); and
 - iii. spoil disposal areas through appropriate contouring to appear as natural as possible in keeping with the surrounding landscape characteristics.
- e. Address the compatibility of finished land cover with the surrounding land cover;
- f. Give consideration to planting replacement vegetation (as required by Condition D59) in the general location from where it was removed.

D38. A specific construction phase ULDSP shall be prepared for each of the following areas:

- a. the area on the eastern side of the Pūhoi River on (CT NA37A/148), with a focus on establishing visual screening of the construction yard for nearby residents as soon as practicable. This ULDSP shall be developed in consultation with a suitably qualified stormwater engineer to ensure appropriate consideration is given to the identified floodplain.
- b. any construction yard within 200m of a residential dwelling, with a focus on establishing appropriate visual screening.

D38A. Each ULDSP shall be prepared by a suitably qualified urban designer and landscape architect in collaboration with the Iwi Advisor and a suitably qualified ecologist.

D38AA. A specific permanent phase ULDSP shall be prepared for each of the following areas:

- a. the area on the eastern side of the Pūhoi River on (CT NZ37A/148), with a focus on establishing visual screening of the Project for nearby residents as soon as practicable. This ULDSP shall be developed in consultation with a suitably qualified stormwater engineer to ensure appropriate consideration is given to the identified floodplain.
- b. the designation north of Woodcocks Road, with a focus on establishing a visual screen of the Project (including the intersection of the Project with the existing State Highway 1) for the nearby residents in Viv Davie-Martin Drive.
- c. For the land situated between the Project and the right branch of the Mahurangi River, extending from the Kauri Eco-Viaduct to Wyllie Road. The ULDSP shall ensure the proposed access track becomes inaccessible to motor vehicles and motorcycles and shall include:
 - i. The removal of surfacing from any access track and its rehabilitation as far as practicable;
 - ii. Dense planting which may include replacement planting required under condition D59.
- d. For the viaducts spanning the Okahu Inlet together with both approach embankments.

Advice Note:

As outlined in Section 06 of the Ara Tuhono: Pūhoi to Warkworth Section Urban and Landscape Design Framework, the specific permanent phase ULDSPs required by designation Condition D38AA may be integrated with the ULDP prepared for each sector of the Project (designation Condition D33), so long as they specifically address the requirement of designation Condition D38AA.

D38B. The Requiring Authority shall provide a draft of each ULDSP for comment to the stakeholders noted in Condition D30(b)-(d), and the stakeholders noted in Condition D30(a) with views from a dwelling onto the Project sector to which that ULDSP applies, at least 30 working days prior to submitting it to the Manager under Condition D38C. If the Requiring Authority has not received any comments from the stakeholders under this condition within 20 working days of providing them with the ULDSP, the Requiring Authority may consider that the stakeholder concerned has no comments.

D38C. The Requiring Authority shall submit to the Manager for certification:

- a. Each specific construction phase ULDSP at least 20 working days prior to the commencement of Construction Works to which the particular ULDSP applies.
- b. Each specific permanent phase ULDSP required in accordance with Condition D38AA, within 12 months of Construction Works commencing in that sector, or earthworks for permanent cut and fill batters in that sector.
- c. The ULDSP for each sector of the Project required in accordance with Condition D33, within 12 months of Construction Works commencing in that sector, or prior to construction of permanent structures or earthworks for permanent cut and fill batters in that sector.

At the same time that each ULDSP is submitted to the Manager, a copy of the submitted ULDSP will be provided to the stakeholders whose comments were sought pursuant to Condition D38B.

The certification will confirm that each specific construction phase ULDSP is consistent with the requirements of Section 5.10 of the ULDF and Condition D38(a) and (c) and each permanent phase ULDSP is consistent with the ULDF and Conditions D36 and D37. The requiring Authority shall note any comments received from the stakeholders who provided comments in accordance with Condition D38D in its submission of each ULDSP to the Manager, along with an explanation of where and why any comments have not been incorporated into that ULDSP.

If the Requiring Authority has not received a response (short of approval) from the Manager within 20 working days of submitting a specific construction phase ULDSP required under Condition D38 and 30 working days of submitting a permanent phase ULDSP required under Condition D33 or D38AA, the Requiring Authority will be deemed to have certification and can commence works.

D39. [This condition is intentionally left blank]

D40. [This condition is intentionally left blank]

D41. The Requiring Authority shall implement the ULDSPs.

Miscellaneous landscape conditions

D42. Prior to commencement of Construction Works on the construction access road located at Lot 1 DP 321568 (CT 398348), the Requiring Authority shall construct a 2.5 m high solid timber fence (or similar) for screening purposes on the shared boundary between Lot 2 DP 151082 (CT NA90A/427) and Lot 1 DP 321568 (CT 398348).

D42A. The existing macrocarpa located on the banks of the Pūhoi River on the western boundary at 517 State Highway 1 within the designation shall be retained for the duration of their natural life or until their state of health or safety considerations necessitate their removal either as a group or individually.

D42B. When finalising the detailed design for the Moirs Hill Road widening and realignment, the

Requiring Authority shall minimise removal of the boundary trees on and adjacent to Lot 1 DP 118653 (CT NA68/91) where practicable.

D42C. Lighting of any yard, compounds or office complex located within the designation shall be designed to avoid light spill beyond the designation. Glare from any lighting shall be kept below the recommendations given in AS 4282 – 1997 “Control of the Obtrusive Effects of Outdoor Lighting” Tables 2.1 and 2.2.

Ecology

Bird breeding season

D42D. The clearance of vegetation (excluding pasture) shall be conducted outside of the bird breeding season (September to December inclusive).

Bats

D43. The Requiring Authority shall engage a suitably qualified expert to conduct bat habitat identification and surveys within the designation between New Zealand Transverse Mercator coordinates (1747939, 5960828) and (1746707, 5965552) in the summer months immediately before construction in that area of the Project.

D44. Upon identification of any roosting sites, the Requiring Authority shall ensure clearance of these sites shall only occur from 14 February to 1 May.

D45. On the night prior to clearance of any potential roosting sites, a suitably qualified ecologist shall survey the relevant area for any active roosting sites. The Requiring Authority shall leave standing any tree identified as an active roosting site, until the roosting site is confirmed to be vacant by the suitably qualified expert.

D46. The Requiring Authority shall, where practicable, enhance bat habitat by retaining large edge pine trees and enhance roosting and foraging opportunities in the long-term, including the provision of artificial bat habitat (ie bat roost boxes) in vegetation to be retained or under viaducts or bridges, as recommended by a suitably qualified ecologist.

Land snails, copper skinks, forest geckos and Hochstetter’s frogs

D47. Prior to the commencement of Construction Works, a suitably qualified ecologist shall check likely areas of:

- a. land snail (*Amorhytida dunni*);
- b. copper skink;
- c. forest gecko; and
- d. Hochstetter’s frog (*Leiopelma* aff. *hochstetteri*) habitat within the designation affected by the proposed works for the presence of these species.

D47A. Any land snails (*Amorhytida dunni*), copper skinks, forest geckos, or Hochstetter’s frogs (*Leiopelma* aff. *hochstetteri*) found during the checks required by Condition D47 shall be captured and relocated to a site:

- a. that has been subject to predator control measures for at least six (6) months prior to the first transfer and will receive ongoing predator control for three years after the last transfer;
- b. deemed appropriate by a suitably qualified ecologist (ie in fauna relocation); and
- c. approved by the Manager.

D47AA. Any land snail, copper skink, forest gecko, or Hochstetter’s frog capture and relocation shall be planned and supervised by a suitably qualified ecologist (ie in fauna relocation).

D47B. Where practicable, land snails (*Amorhytida dunni*) shall be relocated along with their leaf-litter habitat. Land snails captured within 30 metres of any kauri shall not be relocated to a site within 30 metres of any kauri.

Advice Note: land snail, copper skink, forest gecko, and Hochstetter's frog capture and relocation will be carried out in accordance with a Wildlife Act Authority.

D48. [This condition is intentionally left blank]

D49. Immediately prior to construction, a suitably qualified ecologist shall check likely areas of fernbird habitat within the designation, in the vicinity of Okahu Inlet, for the presence of fernbird and shall also check likely habitat areas of other At Risk or Threatened birds (as defined in the current version of the New Zealand Threat Classification System) within proposed Construction Works areas for the presence of those bird species.

D49A. Unless deemed unnecessary by a suitably qualified ecologist, any fernbird found during the pre-construction check required by Condition D49 shall be captured and transferred to a site:

- that has been subject to predator control measures for at least six (6) months prior to the first transfer and will receive ongoing predator control for three years after the last transfer;
- deemed appropriate by a suitably qualified ecologist (ie in fauna relocation); and
- approved by the Manager.

D49B. Any fernbird capture and relocation shall be planned and supervised by a suitably qualified ecologist (ie in fauna relocation).

Advice Note: fernbird capture and relocation will be carried out in accordance with a Wildlife Act Authority.

D50. [This condition is intentionally left blank]

At Risk or Threatened flora and fauna discovery protocol

D50A. In the event that a suitably qualified ecologist discovers any At Risk or Threatened flora and fauna (as defined in the current version of the New Zealand Threat Classification System) within the designation that is not specifically covered by Conditions D47 to D49B above, the Requiring Authority shall immediately notify the Local Area Manager, Department of Conservation. The Requiring Authority shall have regard to any advice provided by the Department of Conservation in determining the appropriate course of action to be undertaken with respect to the discovered flora or fauna (eg further surveys and/or capture and relocation).

Advice Note: The Requiring Authority will comply with all relevant provision of the Wildlife Act 1953

D51. [This condition is intentionally left blank]

Vegetation

D52. Where vegetation is removed within the designation on Lot 5 DP 113847 (CT NA64C/291), the Requiring Authority shall, where practicable, retain the understory of the forest under the viaduct, and plant species that are tolerant to the applicable light conditions on the exposed edge of the remaining vegetation.

D53. Prior to any Construction Works commencing, the Requiring Authority shall:

- a. erect a fence around the kauri forest stand within the designation to the west of the existing State Highway 1 on Sec 65 Blk III Waiwera SD (CT NA3D/989) and Pt Sec 3 Blk III Waiwera SC (CT NA797/46) (as identified in the plan attached at Appendix 15AN(2)), to prevent access by the contractor.
- b. erect fences to protect all totara trees carrying green mistletoe (*Ileostylus micranthus*) within the designation in the vicinity of land to the west of the intersection of SH 1 and Mahurangi East Road.
- c. erect a fence around the vegetation on the eastern boundary of the designation within Lot 7 DP 113847 (CT NA64C/293) and Lot 8 DP 113848 (CT NA64C/294) (as identified in the plan attached at Appendix 15AN(3)) to prevent access to areas of native vegetation within these Lots during construction.
- d. erect a fence along the western boundary of Okahu Creek Scenic Reserve (Section 64 Blk III Waiwera SD) to prevent access to areas of native vegetation within this Reserve during construction.
- e. cordon off with flagging tape the base of the slope below any native orchid plants of the genus *Danhatchia*, as identified by a suitably qualified botanist, within the designation on Lot 1 DP 321568 (CT 398348) to avoid removal or damage to any native orchid. The flagging tape shall be removed on completion of Construction Works.

D54. [This condition is intentionally left blank]

D55. Prior to construction the Requiring Authority shall implement a high level of dust control (eg wind fences) to protect all totara trees in Condition D53(b) that carry green mistletoe. The Requiring Authority shall engage a suitably qualified botanist to monitor the efficacy of the dust suppression measures. Additional dust minimisation measures shall be implemented by the Requiring Authority where the suitably qualified botanist finds that dust is settling on the mistletoe. Fencing, wind protection and any additional dust minimisation measures shall be removed on completion of Construction Works.

D56. [This condition is intentionally left blank]

D57. [This condition is intentionally left blank]

D58. The Requiring Authority shall engage a suitably qualified botanist to identify and remove the colonies of short hair plume grass located within the designation in the vicinity of the Pūhoi Road/State Highway 1 intersection prior to construction activities in that area and shall conserve the grass in a nursery to be used as planting stock where practical in the landscaping phase of the Project.

D59. The Requiring Authority shall provide replacement planting for kauri, tanekaha, puriri, totara, kahikatea, rimu, rewarewa and/or taraire trees (Canopy Species) that will be removed within the designation as a result of the Project. The purpose of the replacement planting is to replace the trunk cross sectional area of each Canopy Species greater than 15 cm dbh that are lost due to the Project with an equivalent trunk cross sectional area of those species after 20 years of growth. For this purpose, the following process shall be undertaken by a suitably qualified ecologist:

Steps	Action	Formula to be applied
1.	Measure and record by species the dbh of the Canopy Species greater than 15 cm dbh that will be lost within the designation as a result of the Project.	None
2.	Calculate the basal area (x) lost for each tree.	$\pi r^2 = x$ Where r = dbh/2 for each tree

3.	Group the results into species	None
4.	Calculate the total basal area (tx) lost for each species.	$tx = \sum x$ for each species
5.	Specify the size of the trees to be used for replacement planting.	None
6.	Calculate the expected basal area (y) of one replacement tree for each species after 20 years' growth based on the average growth rate of trees of that species in the area. If unavailable, growth rate data can be used from other similar areas.	$\pi r^2 = y$ Where $r = dbh/2$ for the tree in 20 years
7.	Calculate the number (n) of replacement trees to be planted to replace the total basal area lost for each species.	$n = tx/y$
8.	Identify the process to be adopted to ensure the replacement planting will be adequately established, including: 1. The location, mix of species, planting densities, size at planting and layout to ensure the new vegetation reflects the forest removed. 2. Appropriate successional planting to support and enhance establishment.	None

D60. The Requiring Authority shall undertake restoration planting of wetland vegetation. The planting shall be implemented on a 1:1 area ratio basis, to be based upon the area of wetland habitat (including artificial wetland habitat) lost due to construction of the Project, as calculated by a suitably qualified ecologist. The wetland restoration design shall:

- a. Identify the location and areas of planting within existing wetland areas within the designation adjacent to existing wetlands, where practicable and taking into account technical and safety considerations; and
- b. Identify the mix of eco-sourced species, planting densities, size at planting and layout to ensure the wetland vegetation reflects typical wetlands in the local area.
- c. Provide measures to ensure stock is excluded from the wetland(s).

D61. [This condition is intentionally left blank]

D62. No Project works are permitted on the area of land marked on Appendix 15N(4) or Appendix 15N(5) other than the planting and maintenance of low-lying species that do not exacerbate flood risk.

Kauri Dieback Biosecurity Plan

D63. At least 40 working days prior to any construction commencing within 30 metres of any kauri, the Requiring Authority shall prepare, in consultation with the Local Area Manager, Department of Conservation, and submit a Kauri Dieback Biosecurity Plan (KDBP) to Auckland Council Group Manager Biosecurity for approval. The KDBP shall apply to all areas in the designation within 30 metres of any kauri. The purpose of the KDBP is to set out the procedures to be used to prevent the introduction and/or spread of kauri dieback disease.

D63A. The KDBP shall meet the purpose in Condition D63 and, as a minimum, shall consider the following:

Features that apply prior to construction commencing within 30 metres of any kauri

- aa. Training requirements for contractors and subcontractors on the KDBP procedures and

obligations;

a. Methods for testing and monitoring of all kauri in the designation for the presence of kauri dieback disease;

b. A process for identifying and mapping:

i. All kauri within the designation that are not affected by kauri dieback disease (“Unaffected Kauri”);

ii. All kauri within the designation that are affected by kauri dieback disease (“Affected Kauri”);

iii. All kauri within the designation that are intended for removal as a result of the Project, and their status as Affected or Unaffected Kauri; and

iv. Soil type profiling for kauri within the designation, that will define the operational soil moisture conditions in accordance with (h) below to minimise the risk of spread of Kauri dieback.

c. Methods for the establishing and demarcating on the ground Kauri Quarantine Area(s) (KQA(s)).

d. Methods for holding, cleaning and treating the collected soil from personnel and equipment in KQAs and releasing personnel and equipment from KQAs.

Features that apply during the period of construction within 30 metres of any kauri

e. Removal of kauri trees shall be minimised as far as practicable;

f. Soil disturbance within 30 metres of any kauri tree shall be minimised;

g. Methods for ensuring soil is removed from all footwear, tools, clothing and equipment when:

i. entering or exiting a KQA; or

ii. moving from one KQA to another; or

iii. entering a stream system in a KQA;

Except that this requirement does not apply to vehicle or personnel movements passing through a KQA that are separated from the bare or vegetated earth by height, or a compacted soil-free surface.

h. All soil-disturbing works in KQAs are to be conducted in soil conditions as determined in the KDBP;

i. Soil from earthworks within 30 metres of an Affected Kauri must not be transported outside the KQA in which that kauri is sited;

j. All kauri tree material and other vegetation, including weeds and native vegetation, trimmed or cleared within 30 metres of an Affected Kauri must not be transported outside of the KQA in which that kauri is sited;

k. Machinery and vehicles exposed to soil in a KQA shall remain in that KQA for the duration of works needing those materials or vehicles in that KQA;

l. Raw materials (such as soil, substrate or gravel) shall not be sourced from any KQA containing an Affected Kauri;

m. Methods for vegetation control within 30 metres of any kauri that do not disturb the soil (eg mowing, slashing or herbicide application should be used in preference to grubbing);

n. Drainage and stormwater run-off from the Project must be diverted away from kauri trees;

o. Methods for sourcing disease-free kauri (eg from an Auckland Council Biosecurity approved supplier, if one exists) for any mitigation planting required under Condition D59;

oa. Methods for isolating kauri planted in accordance with Condition D59 from any surrounding natural stands of kauri;

p. Procedures for site inspection, monitoring and supervision by Auckland Council biosecurity officers; and

q. The express circumstances (if any) where an exemption to any of the above requirements applies.

KDBP review

r. Methods for updating the KDBP in the event of significant changes in scientific knowledge relating to the effective management of Kauri dieback that occur after the KDBP is approved.

D63B. No construction may commence within 30 metres of any kauri until the Auckland Council Group Manager Biosecurity has approved the KDBP. If the Requiring Authority has not received any response from Auckland Council within 30 working days of submitting the KDBP, the KDBP will be

deemed to have been approved.

D63C. Any alternations to the KDBP shall require the approval of the Auckland Council Group Manager Biosecurity.

D63D. The Requiring Authority shall implement and comply with the approved KDBP.

Cultural, Heritage and Archaeology

D64. In managing the construction of the Project and its effects on archaeology, cultural and heritage, the Requiring Authority shall, together with the Heritage New Zealand Pouhere Taonga Act 2014 processes, achieve the following outcomes:

- a. Protection and minimisation of effects on cultural, heritage and archaeological sites, where practicable;
- b. Recording of all pre-1900 cultural, heritage and archaeological sites within the designation boundary including the Te Pā o Te Hēmara Tauhia (R10/921), the rediscovered pā R10/1369 and the wider settlement area in compliance with an authority under the Heritage New Zealand Pouhere Taonga Act 2014 where required;
- c. Recording of any post-1900 cultural and historic heritage sites within the designation boundary; and
- d. Recording of the US Military camp sites (Wyllie Road Camps E (CHI 17006) and F and G (CHI 17007) and any remains exposed during construction.

Cultural, Heritage and Archaeological Management Plan

D65. Prior to construction, the Requiring Authority shall prepare and implement a Cultural, Heritage and Archaeological Management Plan (CHAMP). The purpose of the CHAMP is to identify procedures and practices to be adopted by the Requiring Authority to advance the outcomes noted in Condition D64, and protect, as far as reasonably practical, sites of cultural, heritage and/or archaeological value. The CHAMP will be prepared for the management of cultural, heritage and archaeological sites in conjunction with any conditions required in compliance with any archaeological authority issued by Heritage New Zealand. The CHAMP shall be implemented throughout the construction of the Project.

D66. The CHAMP shall be prepared by a suitably qualified archaeologist (Project Archaeologist) and the Iwi Advisor in conjunction with a conservation architect as required, and in consultation with Heritage New Zealand, and shall identify:

- a. That archaeological requirements of the Project will be undertaken in compliance with conditions of an archaeological authority issued by Heritage New Zealand under the Heritage New Zealand Pouhere Taonga Act 2014 and any conditions for post-1900 sites in the designation conditions for the Project;
- b. Known cultural, heritage and archaeological sites within the designation boundary including the Te Pā o Te Hēmara Tauhia (R10/921), the rediscovered pā R10/1369 and the wider settlement area;
- c. Any pre-1900 archaeological sites in accordance with authorities under the Heritage New Zealand Pouhere Taonga Act 2014;
- d. Roles and responsibilities of personnel involved with cultural, heritage, archaeological and ecological matters including surveys, and monitoring of conditions;
- e. Methods for avoiding and/or minimising effects on cultural, heritage and archaeological sites during construction where practicable (for example the fencing off of archaeological sites to protect them from damage during construction);
- f. Training requirements for contractors and subcontractors on cultural, heritage and archaeological areas/features within the designation boundary and accidental discovery protocols. The training shall be undertaken under the guidance of the Project Archaeologist and the Iwi Advisor;
- g. Access arrangements to Te Pā o Te Hēmara Tauhia;

- h. A process, involving a built heritage specialist, outlining a methodology for assessing the historic heritage, condition and means to mitigate any adverse effect on Schollum House, Titford House and Titford Cottage and timeframe for implementing the preferred methodology, in accordance with Heritage New Zealand guidelines for assessing and recording built heritage; and
- i. A process for assessing and recording the military camps being Wyllie Road Camps E (CHI 17006) and F and G (CHI 17007).

Accidental Discovery Protocol

D67. The Requiring Authority shall rely on Z22, the NZTA Accidental Discovery Protocol and implement that protocol throughout the Construction Works. Z22, the NZTA Accidental Discovery Protocol, shall be reviewed by the Iwi Advisor and modified to best present the site specific Project detail and to be consistent with any archaeological authority issued by Heritage New Zealand under the Historic Places Act 1993 applying to the Project.

Advice Note: The Ministry for Culture and Heritage must also be advised of any artefact finds within 28 days of the discovery in accordance with the Protected Objects Act 1975. The final repatriation of artefacts is a matter for the Ministry of Culture and Heritage in consultation with iwi. Should archaeological features or deposits, human remains or taonga be exposed during construction, work must cease in the vicinity and contact made with AC, Heritage NZ, Project Archaeologist, iwi advisor and the NZ Police (if koiwi are discovered) to enable appropriate action to be taken before construction recommences in that area.

Monitoring of earthworks

D68. In addition to any earthwork areas identified in the CHAMP for monitoring:

- a. The Requiring Authority shall invite the Iwi Advisor (or Kaitiaki in the event the Iwi Advisor has not been appointed or is not available) to be on site to monitor earthworks within 50 metres of Te Pā o Te Hēmara Tauhia (R10/921), the rediscovered pā R10/1369 and Midden sites R10/1106 and R10/1107; and
- b. During construction, the Requiring Authority shall ensure the Project Archaeologist is on-site to monitor earthworks in the vicinity of the US military camps so that any pre-1900 archaeological remains or remains relating to US military camps (Wyllie Road Camps E (CHI 17006), and F and G (CHI 17007)) that are exposed can be recorded.

D69. [This condition is intentionally left blank]

Rehabilitation of Construction Yards

D70. At the completion of construction, all construction yard buildings, structures and surfacing shall be removed and the grounds rehabilitated to the general condition of their pre-Project state.

Upgrade to Kaipara Flats Road Intersection

D70A. Prior to Kaipara Flats Road being used by any Heavy Vehicle for construction and prior to the Project opening to traffic, the intersection of Kaipara Flats Road and State Highway 1 shall be upgraded to ensure that turning movements at the intersection can be made safely. To assess safety, the improvements shall undergo a detailed design road safety audit prior to construction of the intersection in accordance with the procedure set out in the New Zealand Transport Agency (NZTA) Guideline "Road Safety Audit Procedures for Projects" (May 2013 or as superseded by another NZTA publication). The audit shall give particular consideration to the safe operation of the intersection 10 years after opening of the Project.

Moirs Hill Walkway

D70AA. Prior to the Project opening to traffic, the Requiring Authority shall prepare a plan identifying a

walking track connection between the two ends of the section of the Moirs Hill Walkway that will be severed by the Project. The walking track connection shall be:

- a. of a similar gradient and track surface to the existing upper section of the Moirs Hill Walkway (being the area of the walkway within and to the west of the designation boundary);
- b. designed in consultation with the Local Area Manager Department of Conservation; and
- c. at least to the standard of the construction guidelines for “tramping tracks” contained in the Department of Conservation’s Track Construction and Maintenance Guidelines (VC 1672).

D70AB. The Requiring Authority must, prior to the Project opening to traffic, construct a walking track connection in accordance with condition D70AA, unless the Requiring Authority provides the Manager with copies of correspondence from the Local Area Manager, Department of Conservation confirming that reinstating the walkway is not necessary. In that situation, the Requiring Authority has no obligation to construct any walking track connection.

Wyllie Road

D70B - The Requiring Authority shall review the design in the vicinity of Wyllie Road to lower the vertical alignment of the motorway and to reconfigure the northern end of Wyllie Road which will be severed as a result. The section of Wyllie Road east of the motorway shall be formed to a cul-de-sac, in a manner which does not preclude future connection to local roading which may be developed by others. The section of Wyllie Road west of the motorway shall be formed and sealed on a new alignment along the western side of the motorway to connect with Woodcocks Road near the Carran Road intersection. The new or altered sections of Wyllie Road shall be designed and constructed in accordance with applicable sections of the Auckland Transport Code of Practice or Auckland Transport’s relevant standards at the time unless otherwise agreed with Auckland Transport.

Maintenance and Operation Conditions

Operational Noise

D71A. The Project shall be designed and constructed to ensure that the operational noise levels from the Project at PPFs residential receivers within 200 metres of the proposed alignment as identified in Appendix A of the Marshall Day report (Appendix A, “Individual receiver noise level predictions”, Operational Noise Assessment Report, August 2013), attached as Appendix 15AN(6) to these conditions, meet, as a minimum, the specified “Noise Criteria Category” in Appendix 15AN(6) “Proposed Mitigation Option” noise levels predicted by the acoustic modelling undertaken by Marshall Day Acoustics.

D71. The Requiring Authority shall use Open Graded Porous Asphalt, or another road surface with equivalent or better low-noise generating characteristics, on the carriageways of the Project, as shown in Appendices 15AN(7) and 15AN(8). Such a surface shall be implemented within 12 months following the Project being officially opened to general public traffic.

- a. Southern end (latitude from New Zealand Transverse Mercator point (1749438, 5957982) southwards to the Johnstone’s Hill tunnel portal); and
- b. Northern end from a point 200 metres south of the eco-viaduct northwards to 50 metres south of the intersection of the Project with the existing State Highway 1).

Advice Note

Also refer to Resource Consent Condition RC77.

Condition D71(b) now requires OGPA to be extended further south than shown in Appendix 15AN(8). It is impractical to include an amended map in the Board’s final report. Nonetheless NZTA is directed to prepare such an amended map (Appendix 15AN(8)) which shows the small extension to OGPA

and make such map available to the Manager.

D71B. The Requiring Authority shall within 12 months of the Project being officially opened to general public traffic carry out acoustic surveys at no less than 5 appropriate locations (as determined by a qualified acoustic expert) to confirm that operational noise levels from the Project meet the categories set out in Appendix 15AN(6). If the results of the surveys reveal noise levels from the Project are such that a listed PPF is in a noise criteria category greater than set out in Appendix 15AN(6) (e.g. from category A to category B), the Requiring Authority shall carry out mitigation to attenuate the noise generated by the motorway to within the category levels specified in Appendix 15AN(6). Such mitigation may include the erection of noise barriers with associated landscape mitigation considered as part of the ULDF and relevant ULDSPs.

D72. Should the alignment change through detailed design so that PPFs not already included in Appendix 15AN(6) then fall within 200 metres of the alignment, the Requiring Authority shall update Appendix 15AN(6) to include those PPFs and they shall be assessed and mitigated accordingly.

D73. The Requiring Authority shall manage and maintain any noise mitigation measures within the designation boundaries to ensure that those mitigation works retain their noise reduction performance.

D74. [This condition is intentionally left blank.]

Lighting

D75. Lighting of the new State highway will be limited to safety and operational requirements (eg interchanges) and shall comply with AS/NZS 1158:2005: "Lighting for roads and public spaces".

Landscape

D76. The Requiring Authority shall maintain (and replace unsuccessful planting) all landscape planting undertaken as part of the Project for a period of 5 years following opening of the Project in accordance with "NZTA P39 Standard Specification for Highway Landscape Treatments 2013", or any subsequent amendment.

Ecology

D76A. The Requiring Authority shall use its best endeavours to procure from the Crown the entering into of appropriate covenants and/or encumbrances (or similar legal mechanisms) to ensure that the area of ecological mitigation in Conditions D59 and D60 is protected on an ongoing basis, regardless of any future ownership/tenure changes.

Pā Management Plan

D77. A Pā Management Plan for Te Pā o Te Hēmara Tauhia (R10/921) and the rediscovered pā R10/1369 sites shall be prepared and implemented. The purpose of the Pā Management Plan is to provide a framework for the ongoing management of sites of cultural significance in conjunction with Hōkai Nuku.

D78. The Pā Management Plan shall be prepared by the Project Archaeologist and the Iwi Advisor, in consultation with Heritage New Zealand to provide recommendations on the following:

- a. Options for public access (by walkways and waterways);
- b. Installation of information signage relating to the Māori and early European history and heritage sites in the area;
- c. Planting, landscaping and vegetation management;
- d. Options for limited remedial work to the defensive ditch (subject to Heritage New Zealand

approval); and
e. Options for protecting the pā sites in perpetuity.

Access

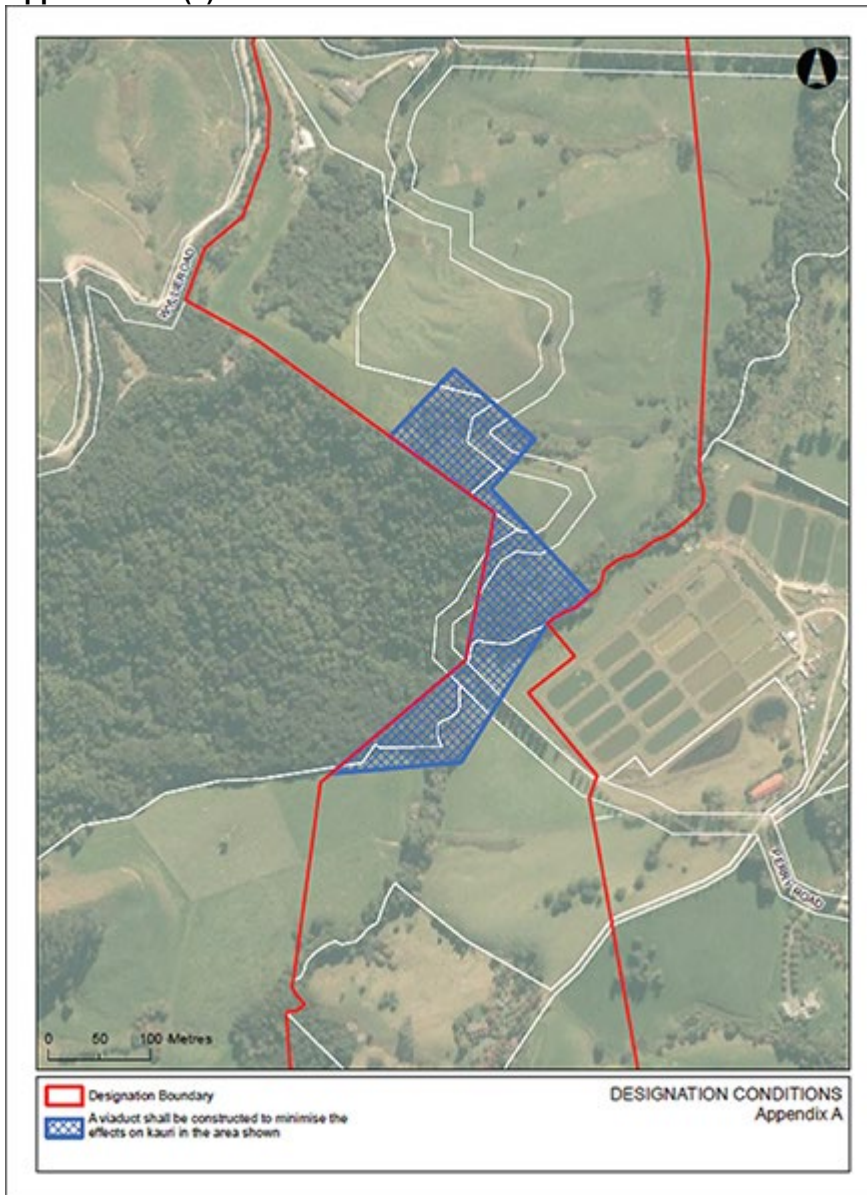
D79. Vehicle access from the existing SH1 appropriate for the operation of a farm shall be retained to Lot 1 and 2 DP50685 and Lot 1 DP 74814, at all times unless otherwise agreed with the owner.

D80. Vehicle access under the Carran Road Flood Relief Bridge appropriate for the operation of a farm shall be retained for the benefit of the Civil Family Farm interests comprised in Part Allotments 55 and 95, Parish of Mahurangi, Lot 3 DP418913 and Lot 2 DP343011.

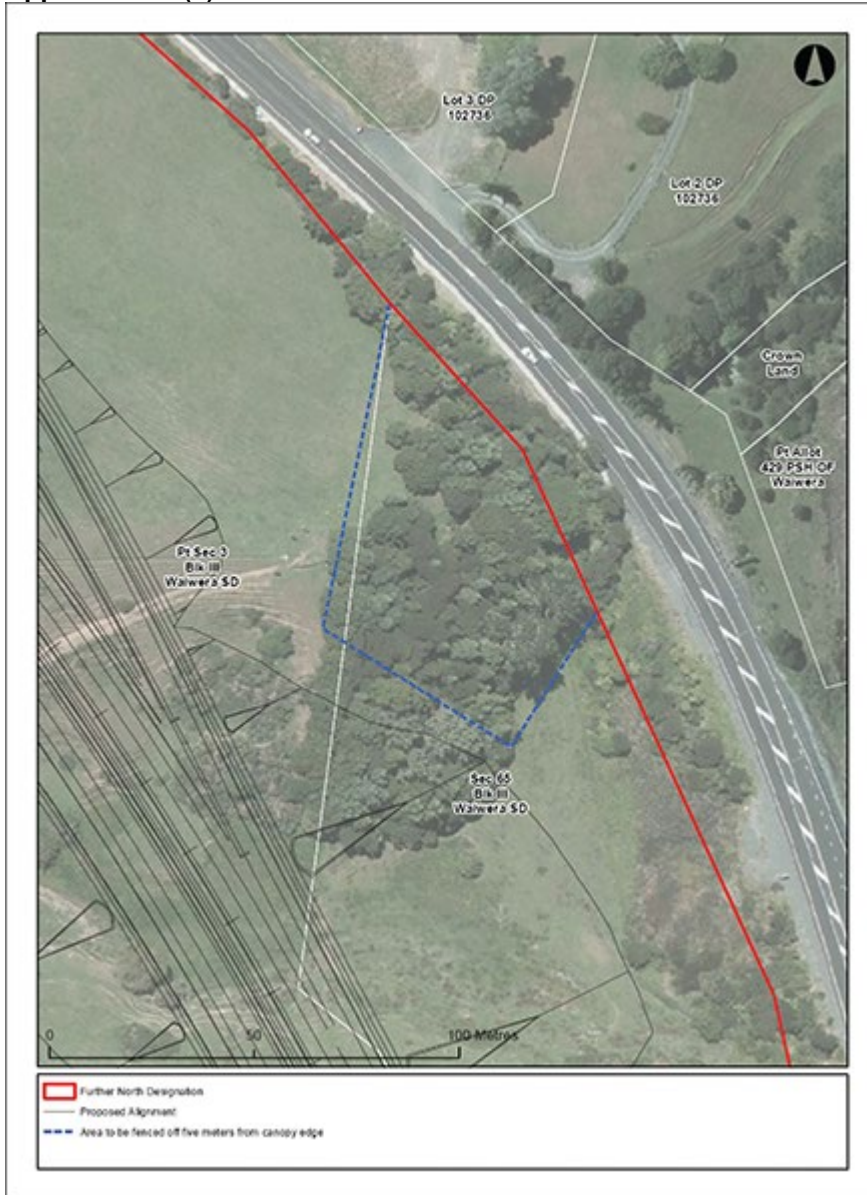
D81. In the event of Lot 1 DP587 not being acquired by the Requiring Authority, vehicle access and services including stock water appropriate for the operation of a farm shall be provided underneath the Project.

Attachments

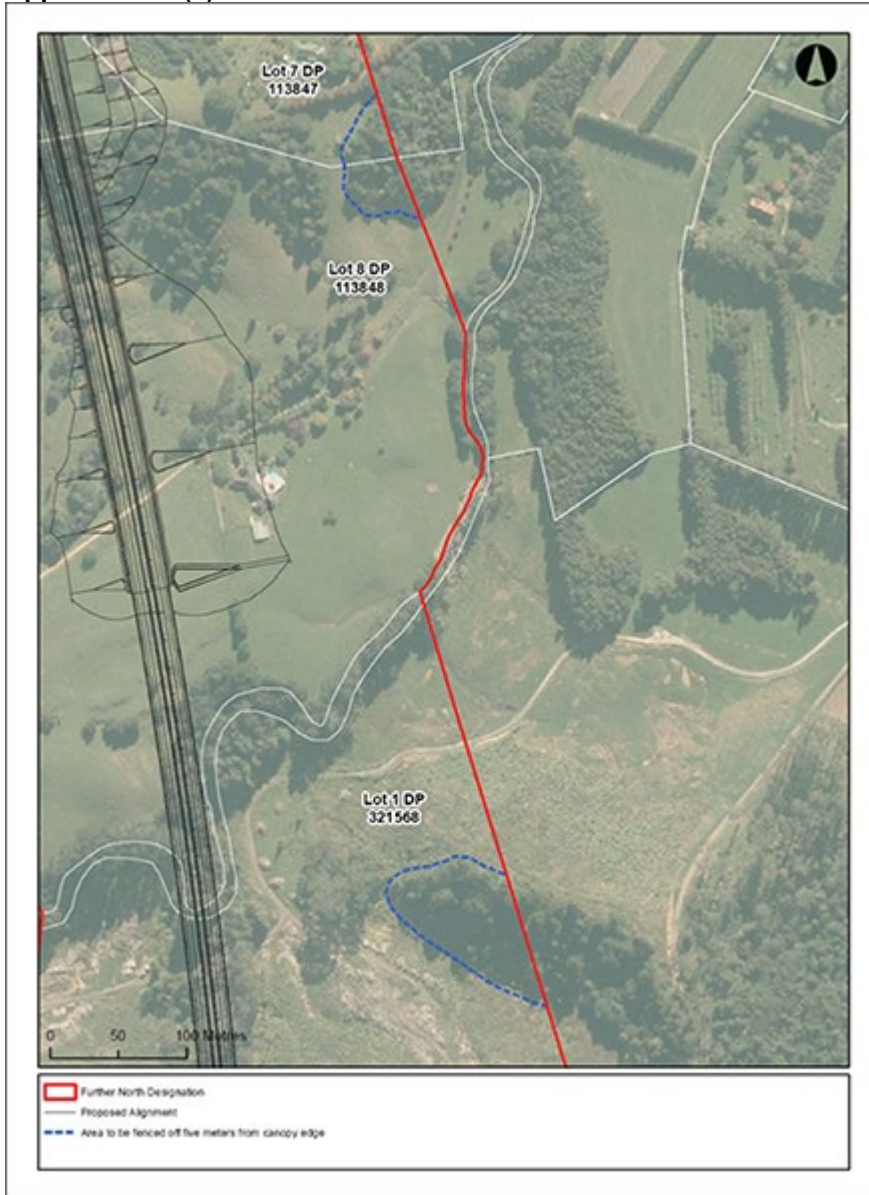
Appendix 15N(1)



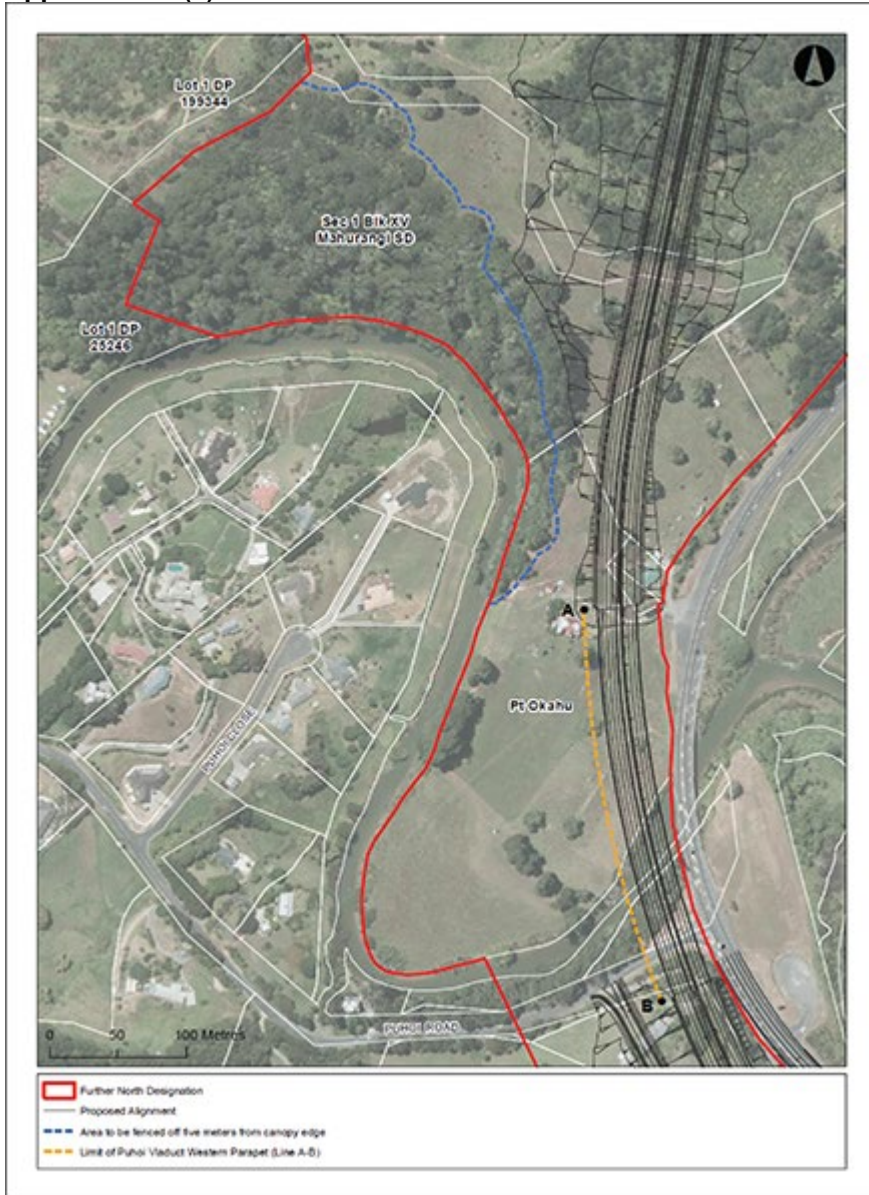
Appendix 15N(2)



Appendix 15N(3)



Appendix 15N(4)



Appendix 15N(5)



Appendix 15N(6)

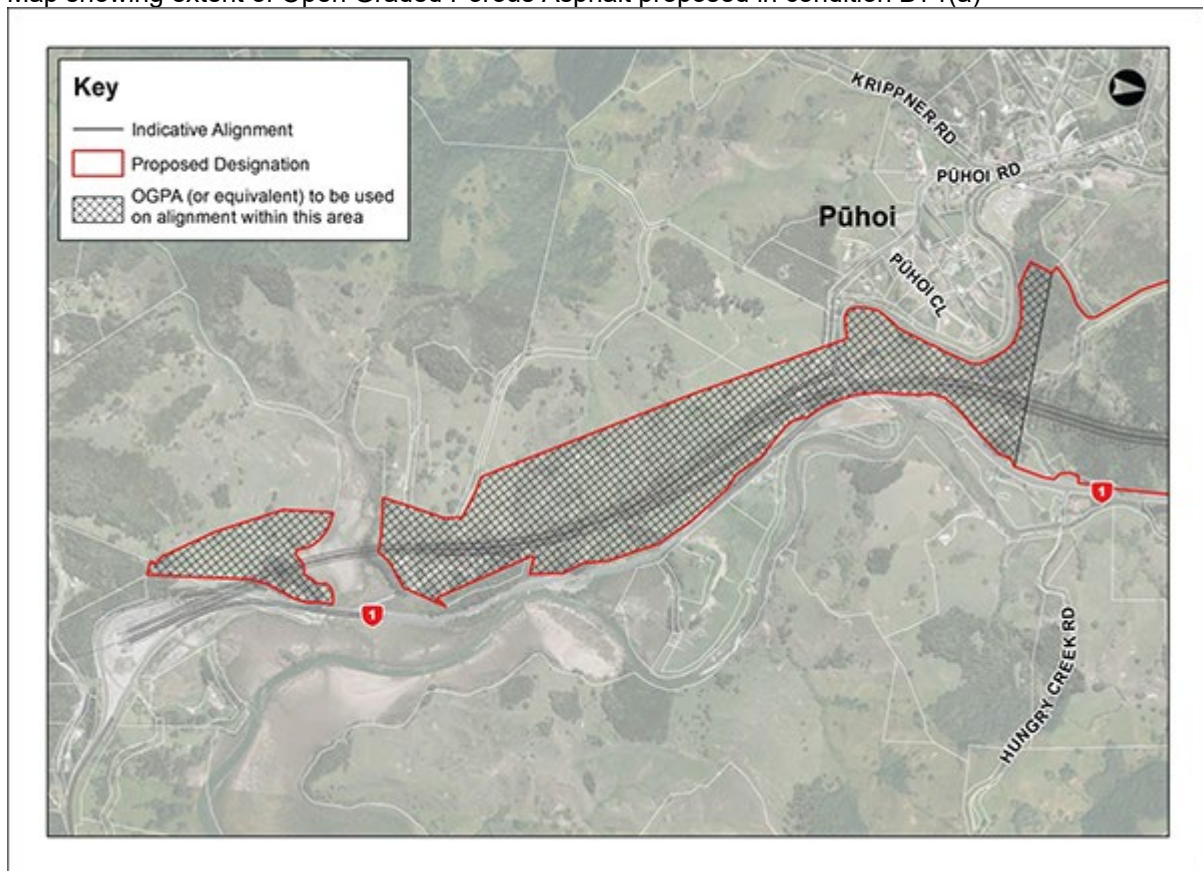
Table 1: Noise Criteria Category of PFFs

Street address (assessed against indicative alignment)	Noise Criteria Category Project Traffic Noise
24 Billing Road	A
26 Billing Road	A
72 Fowler Access Road	A
5 Hungry Creek Road	A
6 Hungry Creek Road	A
12 Pūhoi Close	A

16 Pūhoi Close	A
20 Pūhoi Close	A
28 Pūhoi Close	A
430 SH1	A
466 SH1	A
600 SH1	A
616 SH1	A
642 SH1	A
654 SH1	A
682 SH1	B
101 Moirs Hill Road	A
141 Carran Road	A
6 Kaipara Flats Road	A
027 SH1	A
042 SH1	C
063 SH1	A
102 SH1	A
104 SH1	B
105 SH1	A
371 Woodcocks Road	A
372 Woodcocks Road	A
074 Wyllie Road	A
075 Wyllie Road	B
075A Wyllie Road	B
<p>* The noise criteria categories are determined by noise from traffic on the Project road only. Where other noise sources affect the received noise level, these should be excluded from the measurement.</p>	

Appendix 15N(7)

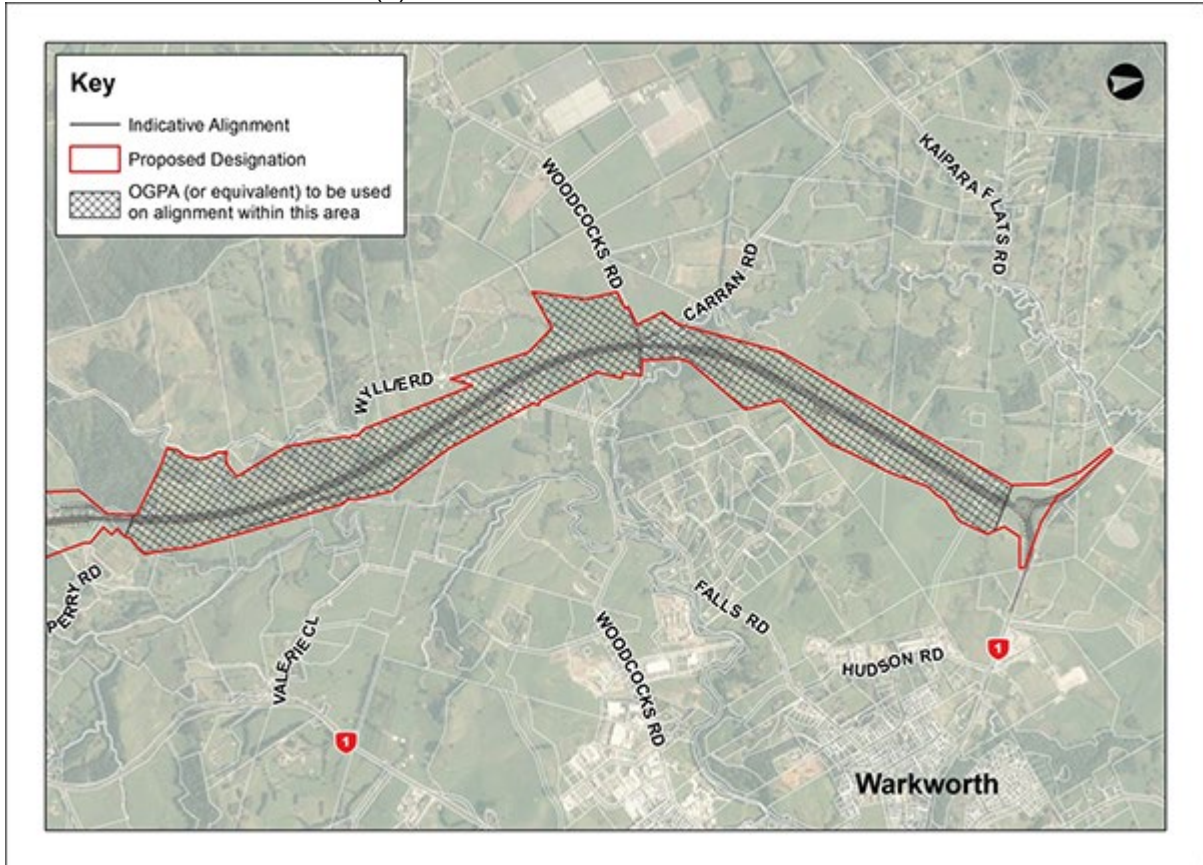
Map showing extent of Open Graded Porous Asphalt proposed in condition D71(a)



Appendix 15N(8)

Map showing extent of Open Graded Porous Asphalt proposed in condition D71(b) – to be updated in

accordance with Condition D71(b)



Attachment 3: Corrected text

6769 Ara Tūhono – State Highway 1 realignment Puhoi to Warkworth

Designation Number	6769
Requiring Authority	New Zealand Transport Agency
Location	<p>Pt Allot 56 Psh Of Mahurangi DP 7361, Allot 97 Psh Of Ahuroa SO 6195A, Lot 6 DP 52247, Pt Allot 116 Psh Of Puhoi SO 1051, Allot 186 Psh Of Puhoi SO 26455, Lot 1 DP 74814, Allot 3A Psh Of Puhoi SO 6297, Pt Okahu ML 86, Lot 2 DP 163758, Lot 1 DP 157269, Lot 2 DP 169838, Lot 3 DP 113847, Lot 1 DP 199822, Sec 54 Blk XV Mahurangi Survey District SO 42469, Sec 62 Blk III Waiwera Survey District SO 41181, Lot 3 DP 169838, Allot 11A Psh Of Puhoi SO 6297, Sec 65 Blk III Waiwera Survey District SO 44340, Lot 2 DP 162291, Sec 55 Blk III Waiwera Survey District SO 41181, Pt Lot 1 DP 95606, Lot 2 DP 162354, Lot 8 DP 113848, Rec Land DP 55676, Sec 52 Blk XV Mahurangi Survey District SO 42469, Lot 6 DP 98771, Lot 6 DP 87207, Pt Lot 2 DP 180823, Lot 1 DP 208830, Lot 5 DP 52247, Lot 1 DP 52247, Lot 7 DP 52247, Lot 2 DP 74814, Sec 64 Blk III Waiwera Survey District SO 44298, Sec 61 Blk XV Mahurangi Survey District SO 42467, Pt Allot 283 Psh Of Mahurangi SO 27019, Lot 1 DP 199344, Pt Sec 17 Blk 111 Waiwera Survey District SO 6297, Sec 1 Blk XV Mahurangi Survey District SO 2435, Pt Sec 3 Blk III Waiwera Survey District SO 6297, Lot 3 DP 77098, Lot 1 DP 50685, Lot 1 DP 167491, Pt Lot 2 DP 151082, Allot 78 Psh Of Ahuroa SO 6195A, Lot 1 DP 118653, Pt Lot 3 DP 17945, Pt Sec SE163 Psh Of Mahurangi SO 2409, Lot 1 DP 169838, Sec 33 Blk XV Mahurangi Survey District SO 26451, Lot 1 DP 175210, Pt Allot 55 Psh Of Mahurangi SO 27C, Pt Okahu SO 28313, Lot 1 DP 199142, Sec 63 Blk III Waiwera Survey District SO 43363, Pt Sec 8 Blk III Waiwera Survey District SO 1745, Lot 2 DP 203390, Lot 4 DP 52247, Lot 2 DP 199822, Sec 50 Blk XV Mahurangi Survey District SO 42467, Pt Mblk Okahu, Lot 2 DP 157269, Sec 51 Blk XV Mahurangi Survey District SO 42469, Lot 1 DP 203389, Pt Okahu ML 86, Lot 3 DP 87208, Pt Allot N158 Psh Of Mahurangi SO 1050A, Lot 4 DP 206041, Allot 147 Psh Of Ahuroa SO 53558, Sec 57 Blk XV Mahurangi Survey District SO 42469, Lot 2 DP 171314, Lot 1 DP 168411, Lot 1 DP 587, Allot 148 Psh Of Ahuroa SO 53558, Allot 415 Psh Of Mahurangi SO 51667, Pt Allot E157 Psh Of Mahurangi SO 2409, Lot 2 DP 155056, Pt Lot 1 DP 74706, Pt Sec 43 Blk III Waiwera Survey District SO 28313, Pt Sec 67 Blk III Waiwera Survey District SO 44084, Pt Allot NW72 Psh Of Ahuroa SO 26, Lot 1 DP 203390, Lot 1 DP 198509, Lot 7 DP 113847, Pt Sec 12 Blk III Waiwera Survey District SO 41181, Pt Lot 1 DP 180823, Lot 1 DP 198032, Pt Allot 95 Psh Of Mahurangi SO 27C, Pt Allot 431 Psh Of Mahurangi SO 53421, Lot 2 DP 199142, Lot 2 DP 205339, Allot 409 Psh Of Mahurangi SO 48055, Lot 3 DP 52247, Sec 32 Blk XV Mahurangi Survey District SO 26451, Lot 1 DP 163758, Allot 389 Psh Of Mahurangi SO 45350, Pt Sec 45 Blk III Waiwera Survey District SO 42317, Pt Allot NW72 Psh Of Ahuroa SO 6632, Allot 124 Psh Of Ahuroa SO 44751, Sec 55 Blk XV Mahurangi Survey District SO 42469, Sec 25 Blk XV Mahurangi Survey District SO 26451, Sec 56 Blk XV Mahurangi Survey District SO 42469, Sec 53 Blk XV Mahurangi Survey District SO 42469, Lot 1 DP 162291, Lot 1 DP 77098, Pt Allot W157 Psh Of Mahurangi SO 2409, Lot 4 DP 168411, Sec 34 Blk XV Mahurangi Survey District SO 26451, Pt Allot M158 Psh Of Mahurangi SO 1050A, Lot 4 DP 169838, Lot 1 DP 43288, Lot 1 DP 25246, Sec 46 Blk III Waiwera Survey District SO 28313, Lot 1 DP 67330, Pt Sec 44 Blk III Waiwera Survey District SO 42317, Lot 2 DP 77098, Pt Allot 94 Psh Of Mahurangi SO 27C, Lot 3 DP 198032, Lot 2 DP 87208, Pt Allot 95 Psh Of Mahurangi SO 27C, Lot 5 DP 113847, Lot 1 DP 198843, Lot 2 DP 198843, Pt Okahu DP 12748, Lot 1 DP 329024, Lot 2 DP 329024, Lot 3 DP 329024, Lot 6 DP 329024, Pt Lot 1 DP 55676, Pt Lot 2 DP 96268, Lot 1 DP 339166, Lot 2 DP 339166, Lot 3 DP 339166, Lot 1 DP 343011, Lot 1 DP 334477, Lot 2 DP 334477, Lot 3 DP 334477, Lot 18 DP 344380, Lot 4 DP 346523, Lot 1 DP 321568, Lot 1 DP 344037, Lot 2 DP 344037, Lot 8 DP 344037, Lot 3 DP</p>

	369802, Pt Allot 55 Psh Of Mahurangi SO 26D, Pt Allot 75 Psh Of Ahuroa SO 2574, Pt Allot 75 Psh Of Ahuroa SO 2574, Pt Allot 184 Psh Of Puhoi SO 26455, Pt Allot 116 Psh Of Puhoi SO 1051, Pt Allot 95A Psh Of Mahurangi SO 3434, Pt Allot 95A Psh Of Mahurangi, Lot 1 DP 386317, Lot 2 DP 386317, Sec 2 SO 414559, Sec 4 SO 414559, Lot 3 DP 418913, Lot 1 DP 433555, Lot 3 DP 469718, Lot 4 DP 473567
Rollover Designation	Yes
Legacy Reference	Designation 408, Auckland Council District Plan (Rodney Section) 2011
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

The construction, operation and maintenance of a State highway (Ara Tūhono - Pūhoi to Wellsford Road of National Significance: Pūhoi to Warkworth Section)

Conditions

ARA TŪHONO- PŪHOI TO WELLSFORD ROAD OF NATIONAL SIGNIFICANCE: PŪHOI TO WARKWORTH SECTION - CONDITIONS

Definitions	
Auckland Transport	The Chief Executive of Auckland Transport
Canopy Species	Kauri, tanekaha, puriri, totara, kahikatea, rimu, rewarewa and taraire trees
CHAMP	Cultural, Heritage and Archaeological Management Plan
CNVMP	Construction Noise and Vibration Management Plan
Construction Works	Activities undertaken to construct the Project, excluding Enabling Works
COPTTM	NZ Transport Agency Code of Practice for Temporary Traffic Management
CTMP	Construction Traffic Management Plan
dBA	A unit of sound level which has its frequency characteristics modified by a filter (C-weighted) so as to account for the non-linear frequency response of the human ear at high noise levels (typically greater than 100 decibels).
dbh	Diameter at breast height, being diameter measured at 1.4 m above ground level
Enabling Works	Preliminary activities, including such things as geotechnical investigations (including access for such investigations), sealing roads, and establishment of mitigation measures (such as earth bunds and planting)
Heavy Vehicle	A motor vehicle having a gross laden weight exceeding 3500 kg
Heritage New Zealand	Heritage New Zealand Pouhere Taonga
Iwi Advisor	The advisor (or other nominated kaitiaki) appointed by Hōkai Nuku in accordance with Condition D7
KDBP	Kauri Dieback Biosecurity Plan
KQA	Kauri Quarantine Area
Manager	Manager Major Infrastructure Projects, Auckland Council (or the manager

	responsible for administering designations with the Project Area), or, in the appropriate context of a condition the Team Leader.
NZS6803:1999	New Zealand Standard 6803:1999 “Acoustics – Construction Noise”
PPF	Protected Premises and Facilities, as defined in New Zealand Standard 6806:2010 “Acoustics – Road-traffic noise – New and altered roads”
Project	The construction, maintenance and operation of the Ara Tūhono Pūhoi to Wellsford Road of National Significance: Pūhoi to Warkworth section
SCP	Stakeholder and Communications Plan
SSTMP	Site Specific Traffic Management Plan
Team Leader	Auckland Council Team Leader Compliance and Monitoring – Northern Resource Consenting and Compliance (Orewa) or the person subsequently exercising those functions and powers
ULDF	Urban Landscape Design Framework
ULDSP	Urban Landscape Design Sector Plan

General

D1. From the time of opening, the Project shall provide grade-separated southbound vehicle access onto and northbound egress off the Project road between Pūhoi Road and the Johnstone’s Hill tunnels. The design of the Project shall not preclude future access to the north of Pūhoi in the vicinity of Pūhoi Road.

D2A. A viaduct shall be constructed using a construction method and location that minimises the effects on kauri in the area shown on Appendix 15AN(1).

D2B. The viaduct over the Pūhoi River shall be constructed so that the viaduct is no further west than the line marked A to B as shown on Appendix 15AN(4).

D3. As soon as practicable following completion of construction of the Project, the Requiring Authority shall give notice to Auckland Council in accordance with section 182 of the RMA for removal of those parts of the designation that are not required for the long-term operation, maintenance and mitigation of effects of the State highway.

D4. The designation shall lapse if not given effect to within 15 years from the date on which it is included in the District Plan under section 175 of the RMA.

D5. Conditions D6 to D70 relate to construction of the Project and only apply to construction activities. Once construction of the Project is complete these conditions, unless otherwise specified in a condition, will no longer apply and can be removed.

D5A. On completion of the Project, the pre-cast yard and associated activity areas shall be returned to its former land use (See condition D70).

Network Utilities

D5B. The Requiring Authority shall ensure that construction work does not adversely impact on the safe and efficient operation of network utilities. The scope and timing of necessary utility relocation and protection works shall be developed and agreed between NZTA and network utility providers to mitigate any safety hazards and provide cost efficiency for the required works.

Stakeholder and Communication Plan

D6. Prior to the commencement of Construction Works, the Requiring Authority shall prepare a Stakeholder and Communications Plan (SCP) that sets out the procedures detailing how the public and stakeholders (including but not limited to the owners of properties adjoining or close to the Designation) will be communicated with throughout the construction period.

The purpose of the SCP is to provide the framework for:

- a. Informing the community of construction progress, including proposed hours of operation outside normal working hours and Project contact details;
- b. Engaging with the community in order to foster good relationships and to provide opportunities for learning about the Project;
- c. Providing early information on key Project milestones;
- d. Identifying stakeholders such as educational facilities (including Mahurangi College), iwi and hapu groups, community groups, business groups, residents organisations, Auckland Council, Watercare Services Limited, and local board; and
- e. Establishing Community Liaison Groups.

D6A. The Requiring Authority shall provide a draft SCP to the Manager and the Iwi Advisor for comment at least 30 working days prior to the commencement of Construction Works. The Requiring Authority shall consider any comments received from the Manager and Iwi Advisor when finalising the SCP.

D6B. The Requiring Authority shall implement the SCP for the duration of the Construction Works.

D6CA. At all times during construction work, the Requiring Authority shall maintain a permanent register of any complaints received alleging adverse effects from, or related to, the exercise of this designation. The register shall include:

- a. the name and address or phone number of the complainant (if supplied);
- b. identification of the nature of the complaint;
- c. location, date and time of the complaint and of the alleged event;
- d. weather conditions at the time of the complaint (as far as practicable), including wind direction;
- e. the outcome of the Requiring Authority's investigation into the complaint;
- f. measures taken to respond to the complaint; and
- g. any other activities in the area, unrelated to the Project that may have contributed to the complaint.

D6CB. The Requiring Authority shall respond to any complaint within 48 hours of the complaint, except where urgency is indicated, in which case the Requiring Authority shall use its best endeavours to respond within 2 hours;

D6CC. The Requiring Authority shall also maintain a record of its responses and any remedial actions undertaken, such record to also contain the responses and actions taken under Conditions RC10CA – RC10D;

D6CD. This record (to be included in the register) shall be maintained on site and shall be made available to the Team Leader, upon request. The Requiring Authority shall provide the Team Leader with a copy of the complaints register every month.

D6D. The obligations in Condition D6CA to D6CD shall continue for 6 months following the Project officially opening to general public traffic. Any complaints received after this period shall be managed by the Requiring Authority in accordance with its standard complaints procedures.

Iwi Advisor

D7. At least 12 months prior to commencement of Construction Works, the Requiring Authority shall request that Hokai Nuku (being comprised of the representatives for Ngāti Whatua, Ngāti Whatua o Kaipara, Te Uri o Hau, and Ngāti Manuhiri) appoint an Iwi Advisor or other nominated kaitiaki (together the Iwi Advisor) to undertake the roles and responsibilities as set out in these conditions.

D8. Where no Iwi Advisor is appointed by Hōkai Nuku within 6 months prior to Construction Works commencing or where at any time the appointed Iwi Advisor is unavailable or unwilling to undertake their roles and responsibilities set out in these conditions, the Requiring Authority shall seek the advice of Hokai Nuku prior to commencing an activity where the Iwi Advisor's input would otherwise be required and shall have regard to any advice provided by Hōkai Nuku.

D9. The Requiring Authority shall invite the Iwi Advisor to provide cultural indicators covering traditional association, mahinga kai and cultural stream health measures. The Requiring Authority shall have regard to any cultural indicators provided in the preparation of any management plan required under these conditions.

Construction Noise and Vibration

Noise Criteria

D10. Construction noise shall as far as practicable comply with the following criteria in accordance with NZS6803:1999:

a. Residential receivers:

	Time	dB L_{Aeq(T)}	dB L_{Amax}
Weekdays	0630-0730	55	75
	0730-1800	70	85
	1800-2000	65	80
	2000-0630	45	75
Saturdays	0630-0730	45	75
	0730-1800	70	85
	1800-2000	45	75
	2000-0630	45	75
Sundays and Public Holidays	0630-0730	45	75
	0730-1800	55	85
	1800-2000	45	75
	2000-0630	45	75

b. Industrial and commercial receivers:

Time	dB L_{Aeq(T)}
0730-1800	70
1800-0730	75

Notes:

“(T)” is a representative assessment duration between 10 and 60 minutes.

Measurement and assessment of construction and air blast noise shall be undertaken in accordance with NZS6803:1999.

Where the criteria set out above cannot be practicably met, the process in Condition D13 shall be adopted.

D11. Air blast noise shall comply with a peak sound level of 120dBA at 1 metre from the most exposed façade of any occupied building.

Vibration Criteria

D12. Construction vibration shall as far as practicable comply with the following criteria:

Receiver	Location	Detail	Category A	Category B
Occupied PPFs*	Inside the building	Night-time 2000h - 0630h	0.3mm/s PPV	1mm/s PPV
		Daytime 0630h - 2000h	1mm/s PPV	5mm/s PPV
		Blasting – vibration	5mm/s PPV	10mm/s PPV
Other occupied buildings	Inside the building	Daytime 0630h - 2000h	2mm/s PPV	5mm/s PPV
All other buildings	Building Foundation	Vibration - transient (including blasting)	5mm/s PPV	BS 5228-2 Table B.2
		Vibration - continuous		BS 5228-2 50% of Table B.2 values

Notes:

Measurements of construction vibration shall be undertaken in accordance with German Standard DIN 4150-3:1999 “Structural Vibration Part 3: Effects of vibration on structures”.

* For vibration, protected premises and facilities (PPFs) are dwellings, educational facilities, boarding houses, homes for the elderly and retirement villages, marae, hospitals that contain in-house patient facilities and buildings used as temporary accommodation (eg motels and hotels).

Where the criteria set out above cannot be practicably met, the process in Condition D13 shall be adopted.

Construction Noise and Vibration Management Plan

D13. The Requiring Authority shall prepare a Construction Noise and Vibration Management Plan (CNVMP) to identify how Conditions D10 to D12 will be met. The CNVMP shall identify the best practicable option for management and mitigation of all construction noise and vibration, including where full compliance with the criteria in Conditions D10 to D12 cannot be achieved. The CNVMP shall, at a minimum, include the information required by NZS 6803:1999, Annex E2. The term ‘noise’ in that document shall be interpreted as ‘noise and vibration’. The CNVMP shall be submitted to the Team Leader for certification prior to commencement of the works (being both Construction and Enabling Works).

D13A. The Requiring Authority shall implement the CNVMP for the duration of the Construction

Works.

D14. If measured or predicted vibration levels exceed the Category A criteria in Condition D12 above, then a suitably qualified expert shall be engaged to assess and manage construction vibration to comply with the Category A criteria as far as practicable.

D15. If measured or predicted vibration levels exceed the Category B criteria in Condition D12 above, then monitoring of vibration levels at those buildings shall be undertaken by a suitably qualified expert to identify, assess and manage any vibration effects on those buildings.

D16. Blasting shall only occur between 9.00am – 5.00pm Monday to Saturday. Pre-warning sirens shall be used prior to any blast.

D16a. The operation of the pre-cast yard at Woodcocks Road shall be limited to the following hours:

	Time
Weekdays	0730-1800*
Saturdays	0800-1600
Sundays and Public Holidays	No Work

* The Requiring Authority may move bridge beams, heavy machinery, and other items moveable only at night in and out of the pre-cast yard outside these weekday times.

Construction Traffic

General construction traffic conditions

D16A. During construction of the Project, the Requiring Authority shall ensure that Project-related Heavy Vehicles do not use:

- a. Falls Road;
- b. Perry Road;
- c. The driveway on Lot 2 DP 171314 (CT NA104C/827) east of the designation boundary; and
- d. The section of Woodcocks Road from State Highway 1 to Morrison Drive (adjacent to Mahurangi College), between the hours of 8:00 am to 9:00 am and 3:00 pm to 4:00 pm on school days.

D17. The Requiring Authority shall manage construction traffic and construction parking to:

- a. Protect public safety including the safe passage of pedestrians and cyclists;
- b. Minimise delays to road users;
- c. Minimise interruption to property access; and
- d. Inform the public about any potential impacts on the road network.

Construction Traffic Management Plan

D18. The Requiring Authority shall prepare a Construction Traffic Management Plan (CTMP) for the Project to identify how Conditions D16A and D17 will be met. The CTMP shall include the following:

- a. Details of traffic management activities and sequencing proposed for the Project;
- b. Methods for managing construction related traffic movements;
- c. A process for preparing Site Specific Traffic Management Plans; and
- d. Provisions to ensure that local traffic will not be held up by construction activities for an unreasonable period of time (such time period to be specified).
- e. Provisions for emergency services to have access along all local roads 24 hours per day, unless construction requires the temporary closure of a road, in which case, as part of the relevant SSTMP,

an emergency action plan shall be developed and agreed with emergency services prior to any temporary closure so that an agreed access via an alternative route is available for the duration of that closure.

D19. At least 60 working days prior to commencement of Construction Works the Requiring Authority shall provide the CTMP to Auckland Transport for comment. The Requiring Authority shall consider any comments received from Auckland Transport when finalising the CTMP. If the Requiring Authority has not received any comment from Auckland Transport within 20 working days of providing the CTMP, the Requiring Authority may consider that Auckland Transport has no comments.

D19A. The Requiring Authority shall submit the CTMP to the Manager for comment. The Requiring Authority shall consider any comments received from Auckland Council when finalising the CTMP. If the Requiring Authority has not received comments from Auckland Council within 20 working days of providing the CTMP, the Requiring Authority may consider that Auckland Council has no comments.

D19B. The Requiring Authority shall implement the CTMP for the duration of the Construction Works.

Site Specific Traffic Management Plans

D20. In compliance with the CTMP, the Requiring Authority shall prepare a Site Specific Traffic Management Plan (SSTMP) or Plans where any Project construction activity varies the normal traffic conditions of any public road. The purpose of the SSTMP(s) is to identify specific construction methods to address the particular circumstances, local traffic and community travel demands within the area covered by the SSTMP.

D21. [This condition is intentionally left blank]

D22. The SSTMP(s) shall comply with the version of the NZ Transport Agency Code of Practice for Temporary Traffic Management (COPTTM) which applies at the time the relevant SSTMP is prepared. Where it is not possible to adhere to this Code, the COPTTM's prescribed Engineering Exception Decision (EED) process shall be followed.

D23. A SSTMP shall be prepared in accordance with Conditions D20 to D22 for:

- a. Moirs Hill Road between the western extent of the Project and State Highway 1. This SSTMP shall:
 - i. provide for pedestrian, cyclist and equestrian safety;
 - ii. establish a liaison group with local residents;
 - iii. be developed in consultation with the owner(s) of 70 Moirs Hill Road and in particular to ensure that accesses are formed to each of the three gates to allow a vehicle to pull off the road to be clear of the traffic lanes; and;
 - iv. detail temporary speed limits (no greater than 50 km/hr) for construction traffic during construction of the Project.
- b. The vicinity of the intersection of the property access on Lot 1 DP 321568 and SH1, if the property access on Lot 1 DP 321568 is to be used for construction vehicles. This SSTMP shall:
 - i. include specific assessment of property access for 1488 State Highway 1;
 - ii. be developed in consultation with the owner(s) and occupiers(s) of 1488 SH 1;
 - iii. provide for turning bays, acceleration and deceleration facilities in and out of the property access on Lot 1 DP 321568;
 - iv. require the Requiring Authority to erect signs at either end of the construction access road on Lot 1 DP 321568, advising that no engine braking shall occur along that access; and
 - v. Require that heavy construction vehicles use the construction access road only between the hours of 0730 to 1800 Monday to Saturday excluding Sundays and public holidays except for any heavy vehicle movements or deliveries which cannot be practicably made during these hours.

c. The Hill Street intersection (being the intersections of State Highway 1, Hill Street, Elizabeth Street, Matakana Road, Sandspit Road and Millstream Place). This SSTMP shall include specific times for the prohibition of heavy construction traffic using the Hill Street intersection, based on the following periods:

- i. Weekday morning peaks;
- ii. Weekday afternoon peaks;
- iii. Late Friday afternoons and evenings;
- iv. Saturday mornings;
- v. Sunday afternoons; and
- vi. Public Holiday Monday afternoons.

d. Carran Road and Kaipara Flats Road from Woodcocks Road to SH1, unless construction traffic is specifically prohibited from using this route.

e. The proposed pre-cast concrete yard at Woodcocks Road for inbound and outbound traffic so that large vehicles with trailers (except for vehicles carrying large loads that require specific traffic management measures to ensure safe movements) can access the site without their swept paths encroaching into traffic lanes or running over verges, together with additional safety requirements should the access become obscured by fog.

D23A. At least 5 days prior to the applicable construction traffic commencing, the Requiring Authority shall provide the SSTMP to the relevant Road Controlling Authority for approval.

D23B. The Requiring Authority shall implement each SSTMP for the duration of the Construction Works to which the particular SSTMP applies.

Other

D23C. The Requiring Authority shall ensure vehicle access from the existing State Highway 1 is appropriate for the operation of a farm is retained to Lots 1 and 2 DP50685 and Lot 1 DP 74814, at all times during Construction Works unless otherwise agreed with the owner.

D24. The Requiring Authority shall ensure that adequate provision is made on State Highway 1 at the junctions with Pūhoi Road and also with Moirs Hill Road for set down areas to enable bus passengers to board and alight safely.

D25. [This condition is intentionally left blank]

Urban and Landscape Design

Urban and Landscape Design Framework

D26. The Requiring Authority shall design and construct the Project to appropriately integrate the permanent works into the surrounding landscape and topography, having regard to the local landscape character and contexts along the highway route.

D27. The Requiring Authority shall prepare an Urban and Landscape Design Framework (ULDF) to identify how Condition D26 will be met. The purpose of the ULDF shall be to ensure the integration of urban and landscape design with the overall design of the Project. The ULDF shall be consistent with:

- a. The urban design and landscape themes of the Northern Gateway Toll Road;
- b. Bridging the Gap: NZTA Urban Design Guidelines 2013;
- c. NZTA P39 Standard Specification for Highway Landscape Treatments 2013 (or any subsequent updates); and
- d. Mitigation required by other conditions of the Project designation and resource consents.

D28. The ULDF shall ensure the cultural footprint of mana whenua is acknowledged including the

connections between Te Koroto and Nga Pā o Te Hēmara Tauhia are maintained at all times where practicable (to be identified in liaison with the Iwi Advisor).

D29. The ULDF shall be prepared by a suitably qualified urban designer and landscape architect in consultation with the wider Project design team, and in collaboration with the Iwi Advisor.

D30. The Requiring Authority shall provide the draft ULDF to the following stakeholders at least 30 working days prior to submitting it to the Manager under Condition D32, by mailing to:

a. all owners and occupiers (if different) of:

- i. properties of Slowater Lane, Pūhoi;
- ii. properties of Pūhoi Close;
- iii. 60 Pūhoi Road, Pūhoi;
- iv. 46 Saleyards Road, Pūhoi;
- v. 815 SH 1, Pūhoi;
- vi. 1711 SH 1, Warkworth;
- vii. 62A Viv Davie-Martin Drive, Warkworth;
- viii. 62B Viv Davie-Martin Drive, Warkworth;
- ix. 77B Viv Davie-Martin Drive, Warkworth;
- x. 78 Viv Davie-Martin Drive, Warkworth;
- xi. 78B Viv Davie-Martin Drive, Warkworth;
- xii. 75 Wyllie Road, Warkworth;
- xiii. 221 Wyllie Road, Warkworth;
- xiv. 63 Perry Road, Warkworth;
- xv. 112 Perry Road, Warkworth;
- xvi. 122 Perry Road, Warkworth;
- xvii. 124 Perry Road, Warkworth;
- xviii. 40 Valerie Close, Warkworth;
- xix. 83 Valerie Close, Warkworth;
- xx. 123 Valerie Close, Warkworth;
- xxi. 141 Carran Road, Warkworth;
- xxii. 346 Woodcocks Road, Warkworth;
- xxiii. 372 Woodcocks Road, Warkworth;
- xxiv. 438 Woodcocks Road, Warkworth;
- xxv. 111 Kaipara Flats Road, Warkworth;
- xxvi. Lot 3 DP 418913;

xxvii. Asia Pacific International Group (NZ) Limited at its registered office; and

xxviii. Any other occupied dwellings within 500m of the designation boundary.

b. Manager Built Environment Auckland Council;

c. Pūhoi Landcare Group Incorporated;

d. Mahurangi Action Incorporated;

e. Slowater Lane and Pūhoi Close Residents Association; and

f. Pūhoi Close Residents - households from number 12, 16, and 24 Pūhoi Close.

D31. If the Requiring Authority has not received any comments from the stakeholders noted in Condition D30 within 20 working days of providing them the ULDF under Condition D30, the Requiring Authority may consider that the stakeholder concerned has no comments.

D32. The Requiring Authority shall submit the ULDF to both the Manager and the stakeholders set out in D30(a) – (f) in hard copy paper form for certification at least 40 working days prior to the commencement of Construction Works. The certification will confirm that the ULDF is consistent with Condition D27. The Requiring Authority shall include any comments from the stakeholders noted in

Condition D30 in its submission of the ULDF to the Manager, along with an explanation of where and why any comments have not been incorporated into the ULDF. If the Requiring Authority has not received any response (short of approval) from the Manager within 40 working days of submitting the ULDF, the Requiring Authority will be deemed to have certification and can commence preparation of the Urban and Landscape Design Section Plans.

Urban and Landscape Design Sector Plans

D33. Following certification of the ULDF, the Requiring Authority shall prepare an Urban and Landscape Design Sector Plan (ULDSP) for each sector of the Project in compliance with the ULDF.

D34. The purpose of the ULDSPs is to implement the ULDF through integrating the Project's permanent works, including areas of earthworks, structures, and mitigation works for landscaping, visual screening for residential properties, heritage, noise attenuation (if any) and ecology, into the surrounding landscape and topography, having regard to the local landscape character and contexts along the highway route.

D35. [Moved – now Condition D38C]

D36. Each ULDSP may be staged in accordance with Conditions D38, D38AA and D38C for the construction and permanent phases of the Project and shall include (where relevant):

a. Detailed design drawings and information for the urban design and landscaping elements, including:

- i. Form, articulation and finish of all bridge elements;
- ii. Pedestrian and cycle facilities on local roads;
- iii. Highway furniture, including road safety barriers, signage gantries, light standards;
- iv. Retaining walls and noise walls (if any);
- v. Treatment of cut and fill batters, including benching;
- vi. Stormwater measures, including wetlands.

b. Context sensitive design features to mark the entrances to Pūhoi and Warkworth. Feature elements shall be determined in conjunction with the Iwi Advisor, and in consultation with Auckland Council and Auckland Transport and shall reflect the history and character of the adjacent settlements (Pūhoi and Warkworth);

c. Landscape design details within the designation, including:

- i. Landscaping treatments (landform and planting), including rehabilitation of all areas used for temporary work and construction yards;
- ii. Pest removal, weed control and identification of vegetation to be retained;
- iii. Proposed planting including – plant species (including consideration of native food-bearing species), mixes (canopy and succession species), spacing/densities (which may incorporate any planting required under Conditions D59 and D60), and sizes (at the time of planting);
- iv. Integration of riparian planting required pursuant to the resource consents for the Project;
- v. Provision or enhancement of wildlife corridors where practicable;
- vi. Planting programme – the staging of planting in relation to the construction programme and the maintenance regime; and
- vii. Detailed specifications in accordance with NZTA P39 Standard Specification for Landscape Treatments.

D36A. When preparing each ULDSP, the Requiring Authority shall consider the suitability of sourcing planting raised via the open-ground forestry method, including availability and cost-effectiveness.

D37. Each ULDSP shall (where relevant):

- a. Where bridges will be viewed from afar or below (eg from Pūhoi River and from Woodcocks Road),

pay particular attention to the visual amenity of the structure as well as the design of the underside of the structure, including having regard to the utility requirements and ongoing maintenance.

- aa. Optimise views (subject to the obligation to mitigate noise) from bridges by appropriate barrier design;
- b. Employ techniques to ensure the cut rock face resembles natural fractures where appropriate;
- c. Design any terracing and benching to break up their faces to reduce visual dominance where appropriate, including being irregular and responding to the natural bedding layers of the base material;
- d. Minimise the visual impact of:
 - i. roadside drainage channels through design, location and planting;
 - ii. cuttings and fill embankments through appropriate grading to integrate with the surrounding landscape (where practical) and landscaping, avoiding “engineered” looking landforms and retention and incorporation of naturally occurring landforms and features within the area of earthworks (eg rock outcrops, watercourses, ridges); and
 - iii. spoil disposal areas through appropriate contouring to appear as natural as possible in keeping with the surrounding landscape characteristics.
- e. Address the compatibility of finished land cover with the surrounding land cover;
- f. Give consideration to planting replacement vegetation (as required by Condition D59) in the general location from where it was removed.

D38. A specific construction phase ULDSP shall be prepared for each of the following areas:

- a. the area on the eastern side of the Pūhoi River on (CT NA37A/148), with a focus on establishing visual screening of the construction yard for nearby residents as soon as practicable. This ULDSP shall be developed in consultation with a suitably qualified stormwater engineer to ensure appropriate consideration is given to the identified floodplain.
- b. any construction yard within 200m of a residential dwelling, with a focus on establishing appropriate visual screening.

D38A. Each ULDSP shall be prepared by a suitably qualified urban designer and landscape architect in collaboration with the Iwi Advisor and a suitably qualified ecologist.

D38AA. A specific permanent phase ULDSP shall be prepared for each of the following areas:

- a. the area on the eastern side of the Pūhoi River on (CT NZ37A/148), with a focus on establishing visual screening of the Project for nearby residents as soon as practicable. This ULDSP shall be developed in consultation with a suitably qualified stormwater engineer to ensure appropriate consideration is given to the identified floodplain.
- b. the designation north of Woodcocks Road, with a focus on establishing a visual screen of the Project (including the intersection of the Project with the existing State Highway 1) for the nearby residents in Viv Davie-Martin Drive.
- c. For the land situated between the Project and the right branch of the Mahurangi River, extending from the Kauri Eco-Viaduct to Wyllie Road. The ULDSP shall ensure the proposed access track becomes inaccessible to motor vehicles and motorcycles and shall include:
 - i. The removal of surfacing from any access track and its rehabilitation as far as practicable;
 - ii. Dense planting which may include replacement planting required under condition D59.
- d. For the viaducts spanning the Okahu Inlet together with both approach embankments.

Advice Note:

As outlined in Section 06 of the Ara Tuhono: Pūhoi to Warkworth Section Urban and Landscape Design Framework, the specific permanent phase ULDSPs required by designation Condition D38AA may be integrated with the ULDP prepared for each sector of the Project (designation Condition D33), so long as they specifically address the requirement of designation Condition D38AA.

D38B. The Requiring Authority shall provide a draft of each ULDSP for comment to the stakeholders noted in Condition D30(b)-(d), and the stakeholders noted in Condition D30(a) with views from a dwelling onto the Project sector to which that ULDSP applies, at least 30 working days prior to submitting it to the Manager under Condition D38C. If the Requiring Authority has not received any comments from the stakeholders under this condition within 20 working days of providing them with the ULDSP, the Requiring Authority may consider that the stakeholder concerned has no comments.

D38C. The Requiring Authority shall submit to the Manager for certification:

- a. Each specific construction phase ULDSP at least 20 working days prior to the commencement of Construction Works to which the particular ULDSP applies.
- b. Each specific permanent phase ULDSP required in accordance with Condition D38AA, within 12 months of Construction Works commencing in that sector, or earthworks for permanent cut and fill batters in that sector.
- c. The ULDSP for each sector of the Project required in accordance with Condition D33, within 12 months of Construction Works commencing in that sector, or prior to construction of permanent structures or earthworks for permanent cut and fill batters in that sector.

At the same time that each ULDSP is submitted to the Manager, a copy of the submitted ULDSP will be provided to the stakeholders whose comments were sought pursuant to Condition D38B.

The certification will confirm that each specific construction phase ULDSP is consistent with the requirements of Section 5.10 of the ULDF and Condition D38(a) and (c) and each permanent phase ULDSP is consistent with the ULDF and Conditions D36 and D37. The requiring Authority shall note any comments received from the stakeholders who provided comments in accordance with Condition D38D in its submission of each ULDSP to the Manager, along with an explanation of where and why any comments have not been incorporated into that ULDSP.

If the Requiring Authority has not received a response (short of approval) from the Manager within 20 working days of submitting a specific construction phase ULDSP required under Condition D38 and 30 working days of submitting a permanent phase ULDSP required under Condition D33 or D38AA, the Requiring Authority will be deemed to have certification and can commence works.

D39. [This condition is intentionally left blank]

D40. [This condition is intentionally left blank]

D41. The Requiring Authority shall implement the ULDSPs.

Miscellaneous landscape conditions

D42. Prior to commencement of Construction Works on the construction access road located at Lot 1 DP 321568 (CT 398348), the Requiring Authority shall construct a 2.5 m high solid timber fence (or similar) for screening purposes on the shared boundary between Lot 2 DP 151082 (CT NA90A/427) and Lot 1 DP 321568 (CT 398348).

D42A. The existing macrocarpa located on the banks of the Pūhoi River on the western boundary at 517 State Highway 1 within the designation shall be retained for the duration of their natural life or until their state of health or safety considerations necessitate their removal either as a group or individually.

D42B. When finalising the detailed design for the Moirs Hill Road widening and realignment, the

Requiring Authority shall minimise removal of the boundary trees on and adjacent to Lot 1 DP 118653 (CT NA68/91) where practicable.

D42C. Lighting of any yard, compounds or office complex located within the designation shall be designed to avoid light spill beyond the designation. Glare from any lighting shall be kept below the recommendations given in AS 4282 – 1997 “Control of the Obtrusive Effects of Outdoor Lighting” Tables 2.1 and 2.2.

Ecology

Bird breeding season

D42D. The clearance of vegetation (excluding pasture) shall be conducted outside of the bird breeding season (September to December inclusive).

Bats

D43. The Requiring Authority shall engage a suitably qualified expert to conduct bat habitat identification and surveys within the designation between New Zealand Transverse Mercator coordinates (1747939, 5960828) and (1746707, 5965552) in the summer months immediately before construction in that area of the Project.

D44. Upon identification of any roosting sites, the Requiring Authority shall ensure clearance of these sites shall only occur from 14 February to 1 May.

D45. On the night prior to clearance of any potential roosting sites, a suitably qualified ecologist shall survey the relevant area for any active roosting sites. The Requiring Authority shall leave standing any tree identified as an active roosting site, until the roosting site is confirmed to be vacant by the suitably qualified expert.

D46. The Requiring Authority shall, where practicable, enhance bat habitat by retaining large edge pine trees and enhance roosting and foraging opportunities in the long-term, including the provision of artificial bat habitat (ie bat roost boxes) in vegetation to be retained or under viaducts or bridges, as recommended by a suitably qualified ecologist.

Land snails, copper skinks, forest geckos and Hochstetter’s frogs

D47. Prior to the commencement of Construction Works, a suitably qualified ecologist shall check likely areas of:

- a. land snail (*Amborhytida dunni*);
- b. copper skink;
- c. forest gecko; and
- d. Hochstetter’s frog (*Leiopelma* aff. *hochstetteri*) habitat within the designation affected by the proposed works for the presence of these species.

D47A. Any land snails (*Amborhytida dunni*), copper skinks, forest geckos, or Hochstetter’s frogs (*Leiopelma* aff. *hochstetteri*) found during the checks required by Condition D47 shall be captured and relocated to a site:

- a. that has been subject to predator control measures for at least six (6) months prior to the first transfer and will receive ongoing predator control for three years after the last transfer;
- b. deemed appropriate by a suitably qualified ecologist (ie in fauna relocation); and
- c. approved by the Manager.

D47AA. Any land snail, copper skink, forest gecko, or Hochstetter’s frog capture and relocation shall be planned and supervised by a suitably qualified ecologist (ie in fauna relocation).

D47B. Where practicable, land snails (*Amborhytida dunni*) shall be relocated along with their leaf-litter habitat. Land snails captured within 30 metres of any kauri shall not be relocated to a site within 30 metres of any kauri.

Advice Note: land snail, copper skink, forest gecko, and Hochstetter's frog capture and relocation will be carried out in accordance with a Wildlife Act Authority.

D48. [This condition is intentionally left blank]

D49. Immediately prior to construction, a suitably qualified ecologist shall check likely areas of fernbird habitat within the designation, in the vicinity of Okahu Inlet, for the presence of fernbird and shall also check likely habitat areas of other At Risk or Threatened birds (as defined in the current version of the New Zealand Threat Classification System) within proposed Construction Works areas for the presence of those bird species.

D49A. Unless deemed unnecessary by a suitably qualified ecologist, any fernbird found during the pre-construction check required by Condition D49 shall be captured and transferred to a site:

- that has been subject to predator control measures for at least six (6) months prior to the first transfer and will receive ongoing predator control for three years after the last transfer;
- deemed appropriate by a suitably qualified ecologist (ie in fauna relocation); and
- approved by the Manager.

D49B. Any fernbird capture and relocation shall be planned and supervised by a suitably qualified ecologist (ie in fauna relocation).

Advice Note: fernbird capture and relocation will be carried out in accordance with a Wildlife Act Authority.

D50. [This condition is intentionally left blank]

At Risk or Threatened flora and fauna discovery protocol

D50A. In the event that a suitably qualified ecologist discovers any At Risk or Threatened flora and fauna (as defined in the current version of the New Zealand Threat Classification System) within the designation that is not specifically covered by Conditions D47 to D49B above, the Requiring Authority shall immediately notify the Local Area Manager, Department of Conservation. The Requiring Authority shall have regard to any advice provided by the Department of Conservation in determining the appropriate course of action to be undertaken with respect to the discovered flora or fauna (eg further surveys and/or capture and relocation).

Advice Note: The Requiring Authority will comply with all relevant provision of the Wildlife Act 1953

D51. [This condition is intentionally left blank]

Vegetation

D52. Where vegetation is removed within the designation on Lot 5 DP 113847 (CT NA64C/291), the Requiring Authority shall, where practicable, retain the understory of the forest under the viaduct, and plant species that are tolerant to the applicable light conditions on the exposed edge of the remaining vegetation.

D53. Prior to any Construction Works commencing, the Requiring Authority shall:

- a. erect a fence around the kauri forest stand within the designation to the west of the existing State Highway 1 on Sec 65 Blk III Waiwera SD (CT NA3D/989) and Pt Sec 3 Blk III Waiwera SC (CT NA797/46) (as identified in the plan attached at Appendix 15AN(2)), to prevent access by the contractor.
- b. erect fences to protect all totara trees carrying green mistletoe (*Ileostylus micranthus*) within the designation in the vicinity of land to the west of the intersection of SH 1 and Mahurangi East Road.
- c. erect a fence around the vegetation on the eastern boundary of the designation within Lot 7 DP 113847 (CT NA64C/293) and Lot 8 DP 113848 (CT NA64C/294) (as identified in the plan attached at Appendix 15AN(3)) to prevent access to areas of native vegetation within these Lots during construction.
- d. erect a fence along the western boundary of Okahu Creek Scenic Reserve (Section 64 Blk III Waiwera SD) to prevent access to areas of native vegetation within this Reserve during construction.
- e. cordon off with flagging tape the base of the slope below any native orchid plants of the genus *Danhatchia*, as identified by a suitably qualified botanist, within the designation on Lot 1 DP 321568 (CT 398348) to avoid removal or damage to any native orchid. The flagging tape shall be removed on completion of Construction Works.

D54. [This condition is intentionally left blank]

D55. Prior to construction the Requiring Authority shall implement a high level of dust control (eg wind fences) to protect all totara trees in Condition D53(b) that carry green mistletoe. The Requiring Authority shall engage a suitably qualified botanist to monitor the efficacy of the dust suppression measures. Additional dust minimisation measures shall be implemented by the Requiring Authority where the suitably qualified botanist finds that dust is settling on the mistletoe. Fencing, wind protection and any additional dust minimisation measures shall be removed on completion of Construction Works.

D56. [This condition is intentionally left blank]

D57. [This condition is intentionally left blank]

D58. The Requiring Authority shall engage a suitably qualified botanist to identify and remove the colonies of short hair plume grass located within the designation in the vicinity of the Pūhoi Road/State Highway 1 intersection prior to construction activities in that area and shall conserve the grass in a nursery to be used as planting stock where practical in the landscaping phase of the Project.

D59. The Requiring Authority shall provide replacement planting for kauri, tanekaha, puriri, totara, kahikatea, rimu, rewarewa and/or taraire trees (Canopy Species) that will be removed within the designation as a result of the Project. The purpose of the replacement planting is to replace the trunk cross sectional area of each Canopy Species greater than 15 cm dbh that are lost due to the Project with an equivalent trunk cross sectional area of those species after 20 years of growth. For this purpose, the following process shall be undertaken by a suitably qualified ecologist:

Steps	Action	Formula to be applied
1.	Measure and record by species the dbh of the Canopy Species greater than 15 cm dbh that will be lost within the designation as a result of the Project.	None
2.	Calculate the basal area (x) lost for each tree.	$\pi r^2 = x$ Where r = dbh/2 for each tree

3.	Group the results into species	None
4.	Calculate the total basal area (tx) lost for each species.	$tx = \sum x$ for each species
5.	Specify the size of the trees to be used for replacement planting.	None
6.	Calculate the expected basal area (y) of one replacement tree for each species after 20 years' growth based on the average growth rate of trees of that species in the area. If unavailable, growth rate data can be used from other similar areas.	$\pi r^2 = y$ Where $r = dbh/2$ for the tree in 20 years
7.	Calculate the number (n) of replacement trees to be planted to replace the total basal area lost for each species.	$n = tx/y$
8.	Identify the process to be adopted to ensure the replacement planting will be adequately established, including: 1. The location, mix of species, planting densities, size at planting and layout to ensure the new vegetation reflects the forest removed. 2. Appropriate successional planting to support and enhance establishment.	None

D60. The Requiring Authority shall undertake restoration planting of wetland vegetation. The planting shall be implemented on a 1:1 area ratio basis, to be based upon the area of wetland habitat (including artificial wetland habitat) lost due to construction of the Project, as calculated by a suitably qualified ecologist. The wetland restoration design shall:

- a. Identify the location and areas of planting within existing wetland areas within the designation adjacent to existing wetlands, where practicable and taking into account technical and safety considerations; and
- b. Identify the mix of eco-sourced species, planting densities, size at planting and layout to ensure the wetland vegetation reflects typical wetlands in the local area.
- c. Provide measures to ensure stock is excluded from the wetland(s).

D61. [This condition is intentionally left blank]

D62. No Project works are permitted on the area of land marked on Appendix 15N(4) or Appendix 15N(5) other than the planting and maintenance of low-lying species that do not exacerbate flood risk.

Kauri Dieback Biosecurity Plan

D63. At least 40 working days prior to any construction commencing within 30 metres of any kauri, the Requiring Authority shall prepare, in consultation with the Local Area Manager, Department of Conservation, and submit a Kauri Dieback Biosecurity Plan (KDBP) to Auckland Council Group Manager Biosecurity for approval. The KDBP shall apply to all areas in the designation within 30 metres of any kauri. The purpose of the KDBP is to set out the procedures to be used to prevent the introduction and/or spread of kauri dieback disease.

D63A. The KDBP shall meet the purpose in Condition D63 and, as a minimum, shall consider the following:

Features that apply prior to construction commencing within 30 metres of any kauri

- aa. Training requirements for contractors and subcontractors on the KDBP procedures and

obligations;

a. Methods for testing and monitoring of all kauri in the designation for the presence of kauri dieback disease;

b. A process for identifying and mapping:

i. All kauri within the designation that are not affected by kauri dieback disease (“Unaffected Kauri”);

ii. All kauri within the designation that are affected by kauri dieback disease (“Affected Kauri”);

iii. All kauri within the designation that are intended for removal as a result of the Project, and their status as Affected or Unaffected Kauri; and

iv. Soil type profiling for kauri within the designation, that will define the operational soil moisture conditions in accordance with (h) below to minimise the risk of spread of Kauri dieback.

c. Methods for the establishing and demarcating on the ground Kauri Quarantine Area(s) (KQA(s)).

d. Methods for holding, cleaning and treating the collected soil from personnel and equipment in KQAs and releasing personnel and equipment from KQAs.

Features that apply during the period of construction within 30 metres of any kauri

e. Removal of kauri trees shall be minimised as far as practicable;

f. Soil disturbance within 30 metres of any kauri tree shall be minimised;

g. Methods for ensuring soil is removed from all footwear, tools, clothing and equipment when:

i. entering or exiting a KQA; or

ii. moving from one KQA to another; or

iii. entering a stream system in a KQA;

Except that this requirement does not apply to vehicle or personnel movements passing through a KQA that are separated from the bare or vegetated earth by height, or a compacted soil-free surface.

h. All soil-disturbing works in KQAs are to be conducted in soil conditions as determined in the KDBP;

i. Soil from earthworks within 30 metres of an Affected Kauri must not be transported outside the KQA in which that kauri is sited;

j. All kauri tree material and other vegetation, including weeds and native vegetation, trimmed or cleared within 30 metres of an Affected Kauri must not be transported outside of the KQA in which that kauri is sited;

k. Machinery and vehicles exposed to soil in a KQA shall remain in that KQA for the duration of works needing those materials or vehicles in that KQA;

l. Raw materials (such as soil, substrate or gravel) shall not be sourced from any KQA containing an Affected Kauri;

m. Methods for vegetation control within 30 metres of any kauri that do not disturb the soil (eg mowing, slashing or herbicide application should be used in preference to grubbing);

n. Drainage and stormwater run-off from the Project must be diverted away from kauri trees;

o. Methods for sourcing disease-free kauri (eg from an Auckland Council Biosecurity approved supplier, if one exists) for any mitigation planting required under Condition D59;

oa. Methods for isolating kauri planted in accordance with Condition D59 from any surrounding natural stands of kauri;

p. Procedures for site inspection, monitoring and supervision by Auckland Council biosecurity officers; and

q. The express circumstances (if any) where an exemption to any of the above requirements applies.

KDBP review

r. Methods for updating the KDBP in the event of significant changes in scientific knowledge relating to the effective management of Kauri dieback that occur after the KDBP is approved.

D63B. No construction may commence within 30 metres of any kauri until the Auckland Council Group Manager Biosecurity has approved the KDBP. If the Requiring Authority has not received any response from Auckland Council within 30 working days of submitting the KDBP, the KDBP will be

deemed to have been approved.

D63C. Any alternations to the KDBP shall require the approval of the Auckland Council Group Manager Biosecurity.

D63D. The Requiring Authority shall implement and comply with the approved KDBP.

Cultural, Heritage and Archaeology

D64. In managing the construction of the Project and its effects on archaeology, cultural and heritage, the Requiring Authority shall, together with the Heritage New Zealand Pouhere Taonga Act 2014 processes, achieve the following outcomes:

- a. Protection and minimisation of effects on cultural, heritage and archaeological sites, where practicable;
- b. Recording of all pre-1900 cultural, heritage and archaeological sites within the designation boundary including the Te Pā o Te Hēmara Tauhia (R10/921), the rediscovered pā R10/1369 and the wider settlement area in compliance with an authority under the Heritage New Zealand Pouhere Taonga Act 2014 where required;
- c. Recording of any post-1900 cultural and historic heritage sites within the designation boundary; and
- d. Recording of the US Military camp sites (Wyllie Road Camps E (CHI 17006) and F and G (CHI 17007) and any remains exposed during construction.

Cultural, Heritage and Archaeological Management Plan

D65. Prior to construction, the Requiring Authority shall prepare and implement a Cultural, Heritage and Archaeological Management Plan (CHAMP). The purpose of the CHAMP is to identify procedures and practices to be adopted by the Requiring Authority to advance the outcomes noted in Condition D64, and protect, as far as reasonably practical, sites of cultural, heritage and/or archaeological value. The CHAMP will be prepared for the management of cultural, heritage and archaeological sites in conjunction with any conditions required in compliance with any archaeological authority issued by Heritage New Zealand. The CHAMP shall be implemented throughout the construction of the Project.

D66. The CHAMP shall be prepared by a suitably qualified archaeologist (Project Archaeologist) and the Iwi Advisor in conjunction with a conservation architect as required, and in consultation with Heritage New Zealand, and shall identify:

- a. That archaeological requirements of the Project will be undertaken in compliance with conditions of an archaeological authority issued by Heritage New Zealand under the Heritage New Zealand Pouhere Taonga Act 2014 and any conditions for post-1900 sites in the designation conditions for the Project;
- b. Known cultural, heritage and archaeological sites within the designation boundary including the Te Pā o Te Hēmara Tauhia (R10/921), the rediscovered pā R10/1369 and the wider settlement area;
- c. Any pre-1900 archaeological sites in accordance with authorities under the Heritage New Zealand Pouhere Taonga Act 2014;
- d. Roles and responsibilities of personnel involved with cultural, heritage, archaeological and ecological matters including surveys, and monitoring of conditions;
- e. Methods for avoiding and/or minimising effects on cultural, heritage and archaeological sites during construction where practicable (for example the fencing off of archaeological sites to protect them from damage during construction);
- f. Training requirements for contractors and subcontractors on cultural, heritage and archaeological areas/features within the designation boundary and accidental discovery protocols. The training shall be undertaken under the guidance of the Project Archaeologist and the Iwi Advisor;
- g. Access arrangements to Te Pā o Te Hēmara Tauhia;

- h. A process, involving a built heritage specialist, outlining a methodology for assessing the historic heritage, condition and means to mitigate any adverse effect on Schollum House, Titford House and Titford Cottage and timeframe for implementing the preferred methodology, in accordance with Heritage New Zealand guidelines for assessing and recording built heritage; and
- i. A process for assessing and recording the military camps being Wyllie Road Camps E (CHI 17006) and F and G (CHI 17007).

Accidental Discovery Protocol

D67. The Requiring Authority shall rely on Z22, the NZTA Accidental Discovery Protocol and implement that protocol throughout the Construction Works. Z22, the NZTA Accidental Discovery Protocol, shall be reviewed by the Iwi Advisor and modified to best present the site specific Project detail and to be consistent with any archaeological authority issued by Heritage New Zealand under the Historic Places Act 1993 applying to the Project.

Advice Note: The Ministry for Culture and Heritage must also be advised of any artefact finds within 28 days of the discovery in accordance with the Protected Objects Act 1975. The final repatriation of artefacts is a matter for the Ministry of Culture and Heritage in consultation with iwi. Should archaeological features or deposits, human remains or taonga be exposed during construction, work must cease in the vicinity and contact made with AC, Heritage NZ, Project Archaeologist, iwi advisor and the NZ Police (if koiwi are discovered) to enable appropriate action to be taken before construction recommences in that area.

Monitoring of earthworks

D68. In addition to any earthwork areas identified in the CHAMP for monitoring:

- a. The Requiring Authority shall invite the Iwi Advisor (or Kaitiaki in the event the Iwi Advisor has not been appointed or is not available) to be on site to monitor earthworks within 50 metres of Te Pā o Te Hēmara Tauhia (R10/921), the rediscovered pā R10/1369 and Midden sites R10/1106 and R10/1107; and
- b. During construction, the Requiring Authority shall ensure the Project Archaeologist is on-site to monitor earthworks in the vicinity of the US military camps so that any pre-1900 archaeological remains or remains relating to US military camps (Wyllie Road Camps E (CHI 17006), and F and G (CHI 17007)) that are exposed can be recorded.

D69. [This condition is intentionally left blank]

Rehabilitation of Construction Yards

D70. At the completion of construction, all construction yard buildings, structures and surfacing shall be removed and the grounds rehabilitated to the general condition of their pre-Project state.

Upgrade to Kaipara Flats Road Intersection

D70A. Prior to Kaipara Flats Road being used by any Heavy Vehicle for construction and prior to the Project opening to traffic, the intersection of Kaipara Flats Road and State Highway 1 shall be upgraded to ensure that turning movements at the intersection can be made safely. To assess safety, the improvements shall undergo a detailed design road safety audit prior to construction of the intersection in accordance with the procedure set out in the New Zealand Transport Agency (NZTA) Guideline "Road Safety Audit Procedures for Projects" (May 2013 or as superseded by another NZTA publication). The audit shall give particular consideration to the safe operation of the intersection 10 years after opening of the Project.

Moirs Hill Walkway

D70AA. Prior to the Project opening to traffic, the Requiring Authority shall prepare a plan identifying a

walking track connection between the two ends of the section of the Moirs Hill Walkway that will be severed by the Project. The walking track connection shall be:

- a. of a similar gradient and track surface to the existing upper section of the Moirs Hill Walkway (being the area of the walkway within and to the west of the designation boundary);
- b. designed in consultation with the Local Area Manager Department of Conservation; and
- c. at least to the standard of the construction guidelines for “tramping tracks” contained in the Department of Conservation’s Track Construction and Maintenance Guidelines (VC 1672).

D70AB. The Requiring Authority must, prior to the Project opening to traffic, construct a walking track connection in accordance with condition D70AA, unless the Requiring Authority provides the Manager with copies of correspondence from the Local Area Manager, Department of Conservation confirming that reinstating the walkway is not necessary. In that situation, the Requiring Authority has no obligation to construct any walking track connection.

Wyllie Road

D70B - The Requiring Authority shall review the design in the vicinity of Wyllie Road to lower the vertical alignment of the motorway and to reconfigure the northern end of Wyllie Road which will be severed as a result. The section of Wyllie Road east of the motorway shall be formed to a cul-de-sac, in a manner which does not preclude future connection to local roading which may be developed by others. The section of Wyllie Road west of the motorway shall be formed and sealed on a new alignment along the western side of the motorway to connect with Woodcocks Road near the Carran Road intersection. The new or altered sections of Wyllie Road shall be designed and constructed in accordance with applicable sections of the Auckland Transport Code of Practice or Auckland Transport’s relevant standards at the time unless otherwise agreed with Auckland Transport.

Maintenance and Operation Conditions

Operational Noise

D71A. The Project shall be designed and constructed to ensure that the operational noise levels from the Project at PPFs residential receivers within 200 metres of the proposed alignment as identified in Appendix A of the Marshall Day report (Appendix A, “Individual receiver noise level predictions”, Operational Noise Assessment Report, August 2013), attached as Appendix 15AN(6) to these conditions, meet, as a minimum, the specified “Noise Criteria Category” in Appendix 15AN(6) “Proposed Mitigation Option” noise levels predicted by the acoustic modelling undertaken by Marshall Day Acoustics.

D71. The Requiring Authority shall use Open Graded Porous Asphalt, or another road surface with equivalent or better low-noise generating characteristics, on the carriageways of the Project, as shown in Appendices 15AN(7) and 15AN(8). Such a surface shall be implemented within 12 months following the Project being officially opened to general public traffic.

- a. Southern end (latitude from New Zealand Transverse Mercator point (1749438, 5957982) southwards to the Johnstone’s Hill tunnel portal); and
- b. Northern end from a point 200 metres south of the eco-viaduct northwards to 50 metres south of the intersection of the Project with the existing State Highway 1).

Advice Note

Also refer to Resource Consent Condition RC77.

Condition D71(b) now requires OGPA to be extended further south than shown in Appendix 15AN(8). It is impractical to include an amended map in the Board’s final report. Nonetheless NZTA is directed to prepare such an amended map (Appendix 15AN(8)) which shows the small extension to OGPA

and make such map available to the Manager.

D71B. The Requiring Authority shall within 12 months of the Project being officially opened to general public traffic carry out acoustic surveys at no less than 5 appropriate locations (as determined by a qualified acoustic expert) to confirm that operational noise levels from the Project meet the categories set out in Appendix 15AN(6). If the results of the surveys reveal noise levels from the Project are such that a listed PPF is in a noise criteria category greater than set out in Appendix 15AN(6) (e.g. from category A to category B), the Requiring Authority shall carry out mitigation to attenuate the noise generated by the motorway to within the category levels specified in Appendix 15AN(6). Such mitigation may include the erection of noise barriers with associated landscape mitigation considered as part of the ULDF and relevant ULDSPs.

D72. Should the alignment change through detailed design so that PPFs not already included in Appendix 15AN(6) then fall within 200 metres of the alignment, the Requiring Authority shall update Appendix 15AN(6) to include those PPFs and they shall be assessed and mitigated accordingly.

D73. The Requiring Authority shall manage and maintain any noise mitigation measures within the designation boundaries to ensure that those mitigation works retain their noise reduction performance.

D74. [This condition is intentionally left blank.]

Lighting

D75. Lighting of the new State highway will be limited to safety and operational requirements (eg interchanges) and shall comply with AS/NZS 1158:2005: "Lighting for roads and public spaces".

Landscape

D76. The Requiring Authority shall maintain (and replace unsuccessful planting) all landscape planting undertaken as part of the Project for a period of 5 years following opening of the Project in accordance with "NZTA P39 Standard Specification for Highway Landscape Treatments 2013", or any subsequent amendment.

Ecology

D76A. The Requiring Authority shall use its best endeavours to procure from the Crown the entering into of appropriate covenants and/or encumbrances (or similar legal mechanisms) to ensure that the area of ecological mitigation in Conditions D59 and D60 is protected on an ongoing basis, regardless of any future ownership/tenure changes.

Pā Management Plan

D77. A Pā Management Plan for Te Pā o Te Hēmara Tauhia (R10/921) and the rediscovered pā R10/1369 sites shall be prepared and implemented. The purpose of the Pā Management Plan is to provide a framework for the ongoing management of sites of cultural significance in conjunction with Hōkai Nuku.

D78. The Pā Management Plan shall be prepared by the Project Archaeologist and the Iwi Advisor, in consultation with Heritage New Zealand to provide recommendations on the following:

- a. Options for public access (by walkways and waterways);
- b. Installation of information signage relating to the Māori and early European history and heritage sites in the area;
- c. Planting, landscaping and vegetation management;
- d. Options for limited remedial work to the defensive ditch (subject to Heritage New Zealand

approval); and
e. Options for protecting the pā sites in perpetuity.

Access

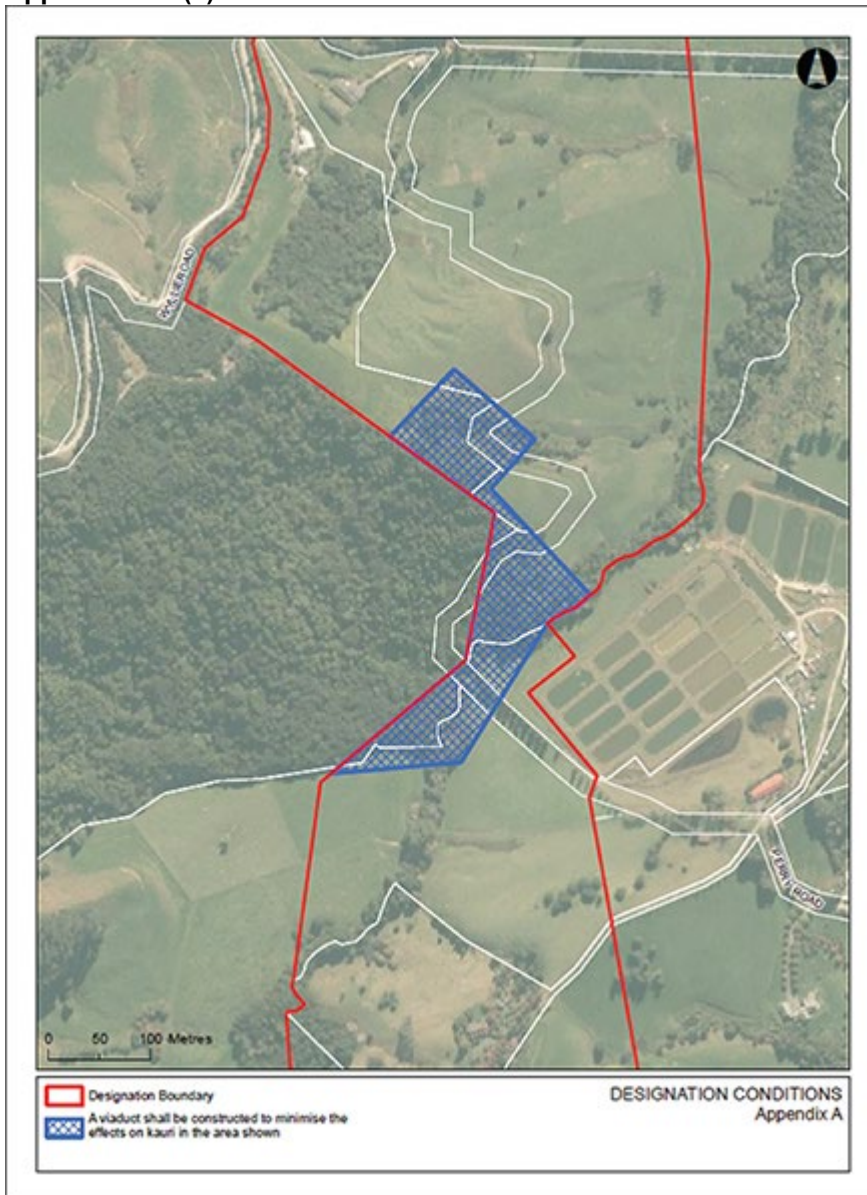
D79. Vehicle access from the existing SH1 appropriate for the operation of a farm shall be retained to Lot 1 and 2 DP50685 and Lot 1 DP 74814, at all times unless otherwise agreed with the owner.

D80. Vehicle access under the Carran Road Flood Relief Bridge appropriate for the operation of a farm shall be retained for the benefit of the Civil Family Farm interests comprised in Part Allotments 55 and 95, Parish of Mahurangi, Lot 3 DP418913 and Lot 2 DP343011.

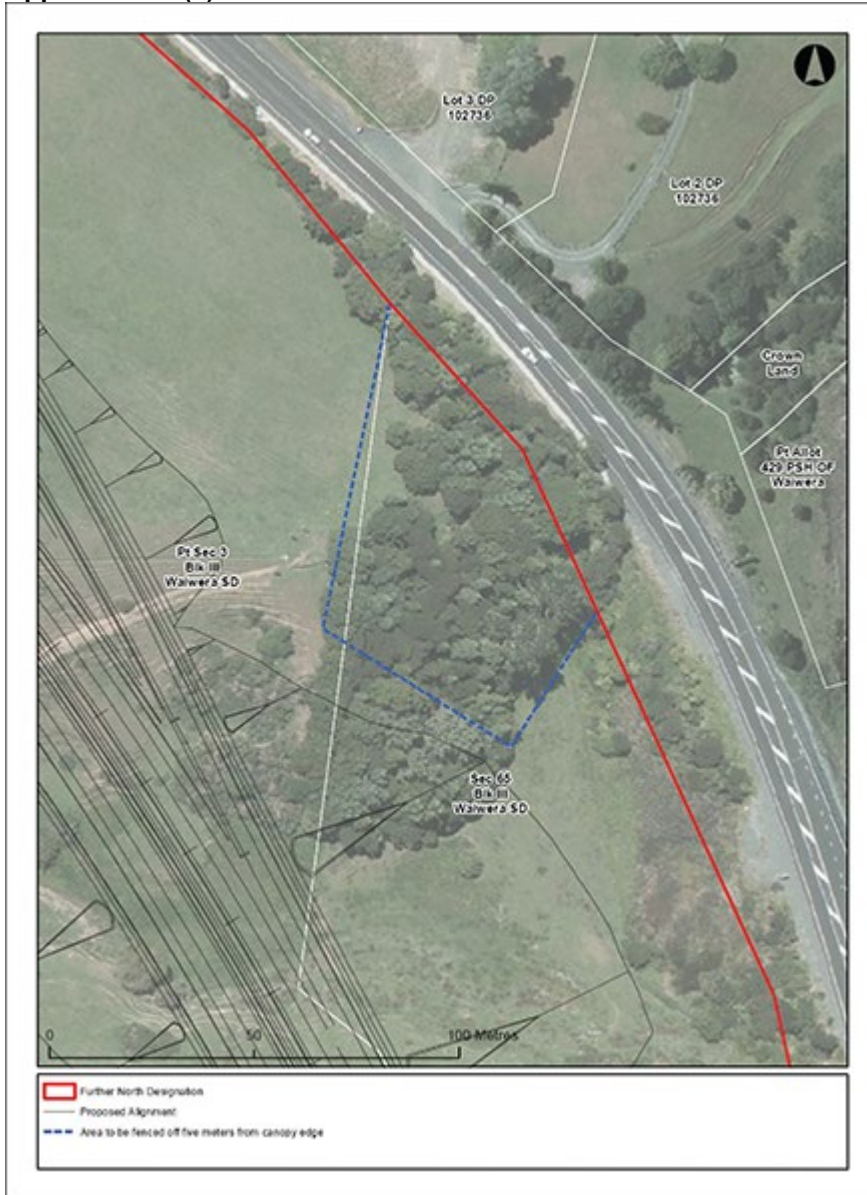
D81. In the event of Lot 1 DP587 not being acquired by the Requiring Authority, vehicle access and services including stock water appropriate for the operation of a farm shall be provided underneath the Project.

Attachments

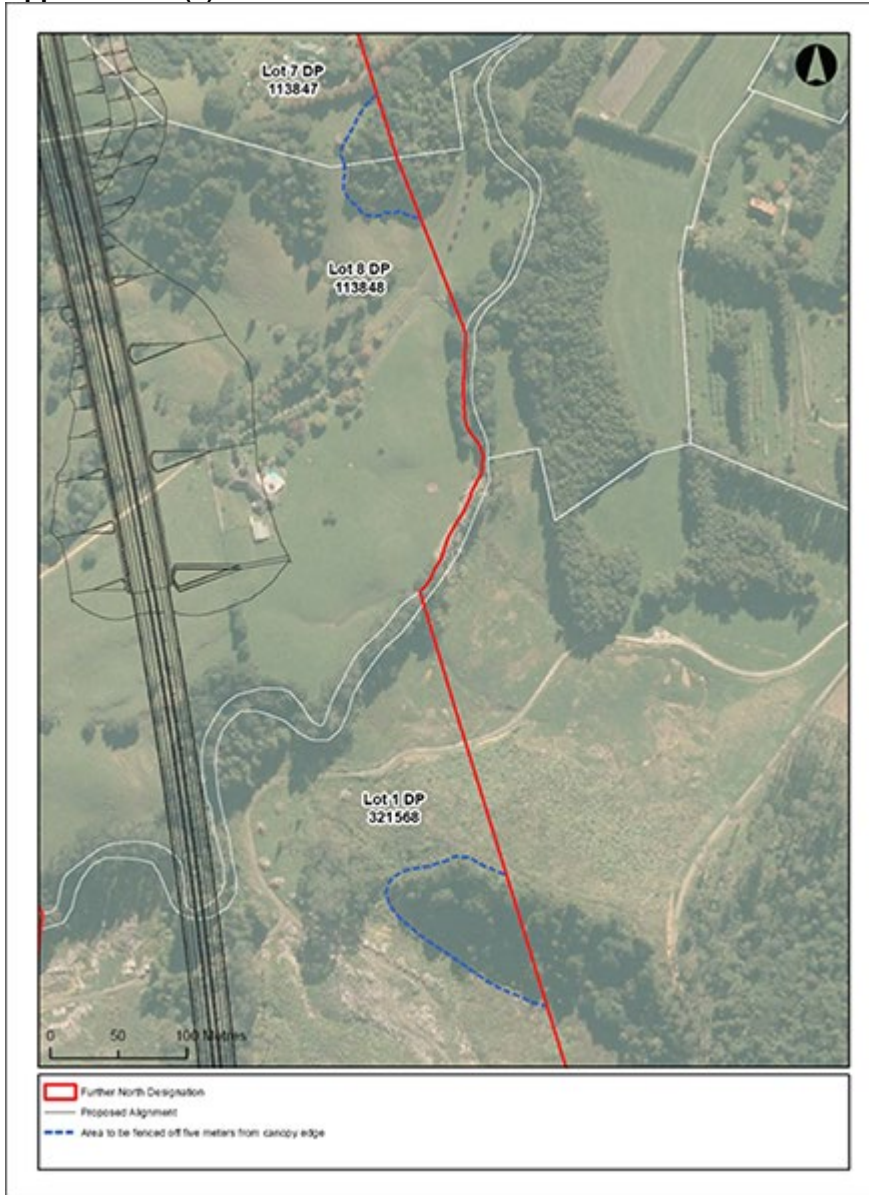
Appendix 15N(1)



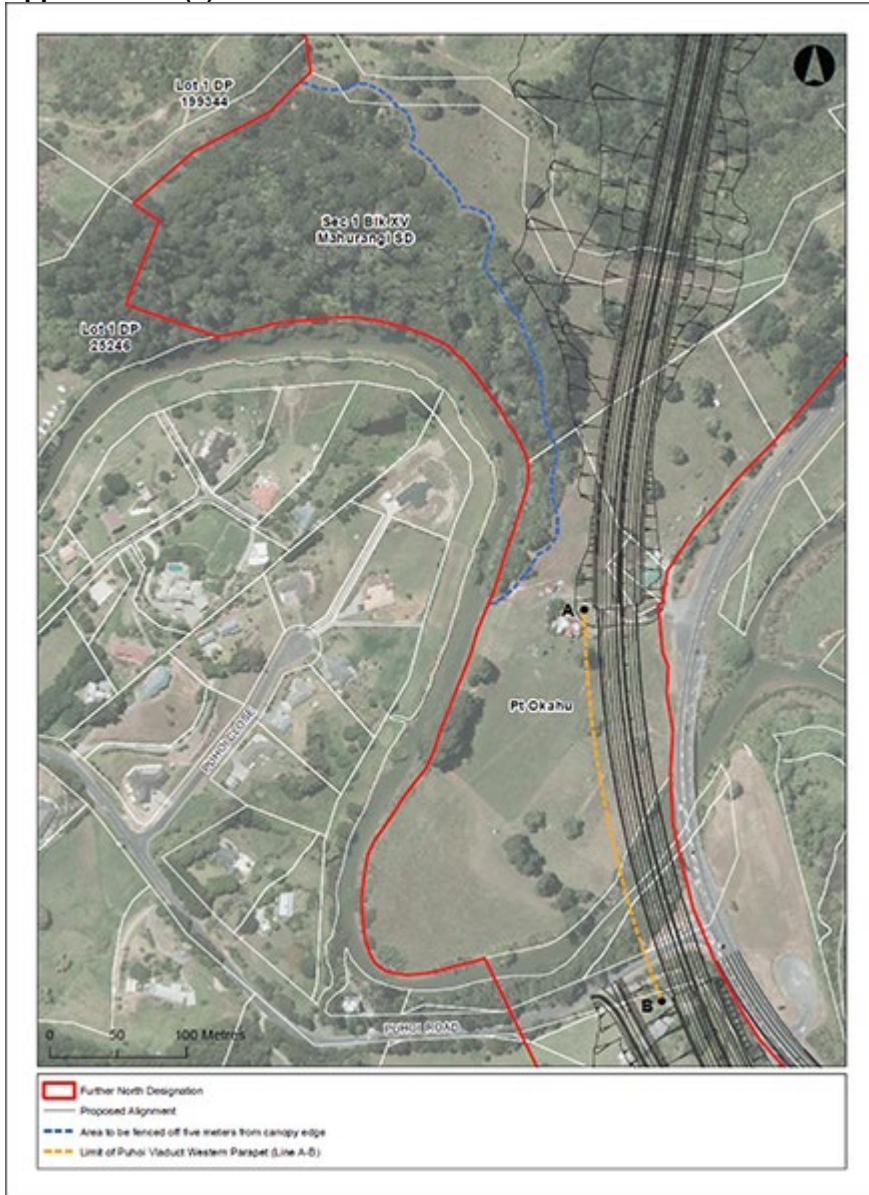
Appendix 15N(2)



Appendix 15N(3)



Appendix 15N(4)



Appendix 15N(5)



Appendix 15N(6)

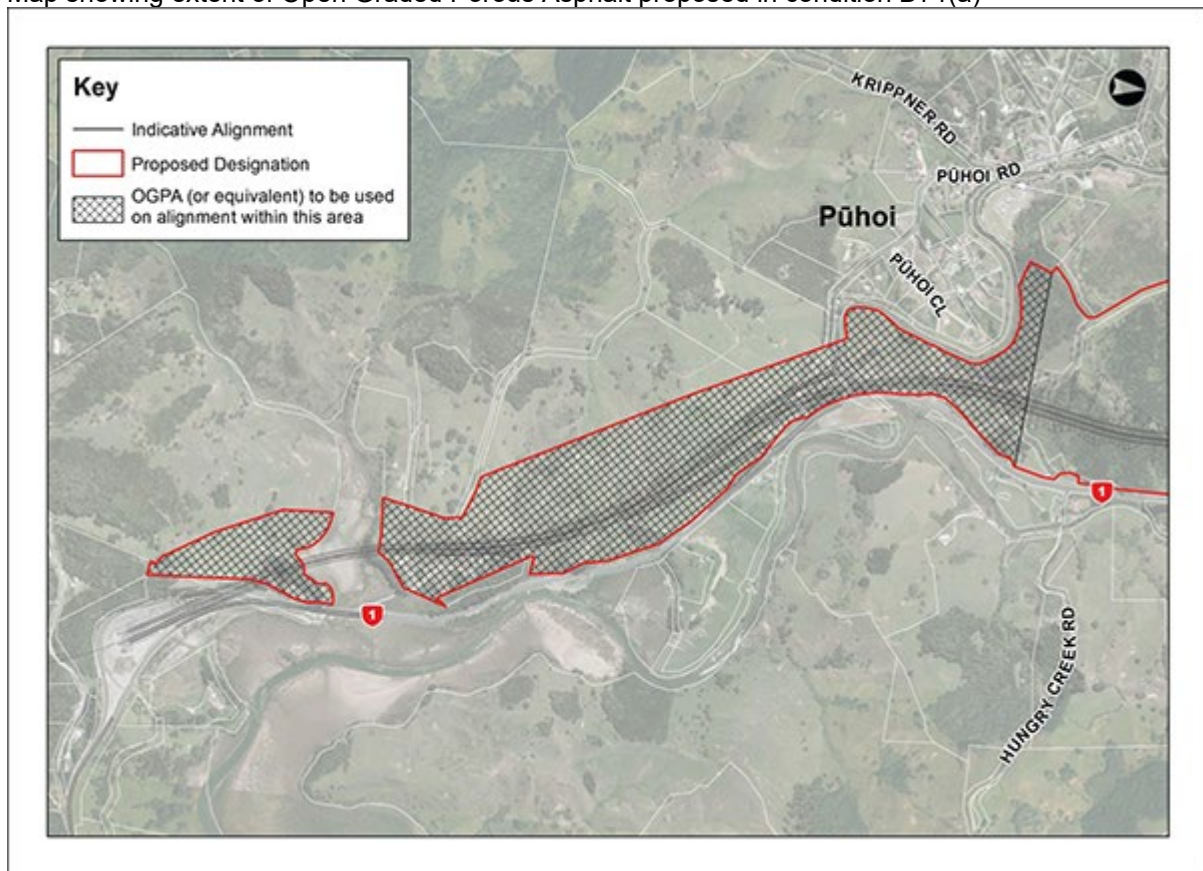
Table 1: Noise Criteria Category of PFFs

Street address (assessed against indicative alignment)	Noise Criteria Category Project Traffic Noise
24 Billing Road	A
26 Billing Road	A
72 Fowler Access Road	A
5 Hungry Creek Road	A
6 Hungry Creek Road	A
12 Pūhoi Close	A

16 Pūhoi Close	A
20 Pūhoi Close	A
28 Pūhoi Close	A
430 SH1	A
466 SH1	A
600 SH1	A
616 SH1	A
642 SH1	A
654 SH1	A
682 SH1	B
101 Moirs Hill Road	A
141 Carran Road	A
6 Kaipara Flats Road	A
027 SH1	A
042 SH1	C
063 SH1	A
102 SH1	A
104 SH1	B
105 SH1	A
371 Woodcocks Road	A
372 Woodcocks Road	A
074 Wyllie Road	A
075 Wyllie Road	B
075A Wyllie Road	B
<p>* The noise criteria categories are determined by noise from traffic on the Project road only. Where other noise sources affect the received noise level, these should be excluded from the measurement.</p>	

Appendix 15N(7)

Map showing extent of Open Graded Porous Asphalt proposed in condition D71(a)



Appendix 15N(8)

Map showing extent of Open Graded Porous Asphalt proposed in condition D71(b) – to be updated in

accordance with Condition D71(b)

