

27 August 2021

Alison Pye
Senior Policy Planner
Regional, North, West and Islands - Plans and Places
Auckland Council
Private Bag 92300
Victoria Street West
Auckland 1142

Dear Alison

Auckland Transport's Confirmation Notice under Section 172(1) of the Resource Management Act 1991 (RMA) for the Milldale Development Infrastructure Project 1 - Argent Lane Extension Notices of Requirement

Auckland Transport lodged two Notices of Requirement on 4 November 2020 for designations in the Auckland Unitary Plan – Operative in Part (AUP) for the Milldale Development Infrastructure Project 1 - Argent Lane Extension project, being the construction, operation and maintenance of a partially realigned and upgraded arterial road between Old Pine Valley Road and the Silverdale Motorway Interchange. The project is to be constructed in two stages.

On 28 July 2021 Auckland Transport received the Auckland Council Independent Hearing Commissioners' (the Commissioners) recommendation (dated 27 July 2021) to confirm the designations for the Argent Lane Extension project subject to conditions imposed pursuant to s171(2)(c) of the RMA.

Pursuant to s172(1) of the RMA Auckland Transport in its capacity as a Requiring Authority accepts the Commissioners' recommendation to confirm the Notices of Requirement for the Argent Lane Extension project subject to modifications to conditions. The modifications to conditions by Auckland Transport and the reasons for the modifications are set out in **Attachment 1**.

A full set of designation conditions, including modifications made as a result of Auckland Transport's decision, are included as **Attachment 2**; a clean version and tracked changed version is provided.

Auckland Transport anticipates that Auckland Council will notify all submitters and directly affected landowners / occupants of the decision as soon as possible.

Yours faithfully


Jane Small

Group Manager Property and Planning

Attachment 1

Auckland Transport's Modifications to Designation Conditions and Reasons for Modifications

This table outlines Auckland Transport's modifications to the Notice of Requirement conditions recommended by Auckland Council (dated 27 July 2021) and the reasons for the modifications.

Only those conditions that AT has modified are outlined below. All other conditions are accepted as recommended by the Hearing Commissioner's on 27 July 2021.

Condition Number	Auckland Transport's Modifications to Conditions Recommended by Auckland Council <i>(additions to conditions are underlined and rejections have strikethrough)</i>	Reason for modification
A2	Conditions A23 to A78 below shall apply to all Management Plans required by these conditions.	Consequential correction to references.
<u>A3</u>	<p>Management Plans shall be submitted to the Council (Team Leader North West Monitoring) for certification in writing. Management Plans shall be submitted at least twenty (20) working days prior to Commencement of Construction unless otherwise specified in the conditions. <u>If the Auckland Council Team Leader North West Monitoring does not provide written certification or written notice of refusal to certify and recommended changes within twenty (20) working days the Management Plan shall be deemed certified.</u></p> <p><i>Advice Note: Any preliminary works that are permitted activities can be undertaken prior to any Management Plan(s) being certified.</i></p>	Reinstating wording regarding 'deemed certification' as put forward at the hearing. This concept is important to Auckland Transport to ensure certainty over construction timeframes.

A3 <u>A4</u>	<p>Management Plans may be submitted in parts or in stages to address particular activities or to reflect a staged implementation of the Project, and when provided in part or for a stage shall be submitted at least twenty (20) working days prior to commencement of construction of that part of the stage unless otherwise specified in the conditions. Management Plans submitted shall clearly show the linkage with plans for adjacent stages and interrelated activities.</p>	<p>Consequential change to condition reference number given change above.</p>
A4 <u>A5</u>	<p>Should the Council (Team Leader North West Monitoring) refuse to certify a Management Plan, or a part or stage of a Management Plan, in accordance with Condition A4 above, the Requiring Authority shall submit a revised Management Plan for certification as soon as practicable. The certification process shall follow the same procedures as outlined in Condition A3 above.</p>	<p>Consequential change to condition reference number given change above.</p>
<u>A6</u>	<p><u>Any certified/deemed certified Management Plan may be amended, if necessary, to reflect any minor changes in design, construction methods or management of effects. Any amendments are to be discussed with and submitted to the Council (Team Leader North West) Monitoring in writing prior to implementation of the change. Where the Team Leader North West Monitoring determines in his or her discretion that those amendments once implemented would result in a materially different outcome to that described in the original plan Condition 7 shall apply.</u></p>	<p>Reinstating wording regarding modifications to management plans as put forward at the hearing. This concept is important to Auckland Transport to ensure that this process is clear should changes be required to any certified or deemed certified Management Plans.</p> <p>Auckland Transport should have the ability to change a Management Plan after certification without having to go through a process of seeking a change to the conditions. In the context of minor changes that would not result in a materially different outcome it is appropriate that Auckland Transport is only required to discuss and submit those changes</p>

		in writing to the Council for information purposes.
<u>A7</u>	<u>Any changes to a certified/deemed certified Management Plan involving a materially different outcome under Condition A6 shall be submitted to the Council (Team Leader North West Monitoring) to certify that they comply with the applicable requirements of these conditions. Any material change must be consistent with the objectives of the relevant Management Plan and the requirements of the relevant conditions of these designations. Where a Management Plan was prepared in consultation with affected parties, any material changes to that Plan shall be prepared in consultation with those same parties.</u>	<p>Reinstating wording regarding modifications to management plans as put forward at hearing. This concept is important to Auckland Transport to ensure that this process is clear should changes be required to any certified or deemed certified Management Plans.</p> <p>Auckland Transport should have the ability to change a Management Plan after certification without having to go through a process of seeking a change to the conditions. In the context of changes that would result in a materially different outcome it is appropriate that Auckland Transport is required to submit those changes to the Council to certify that they comply with the applicable requirements of the conditions and provide the opportunity for affected parties to be consulted.</p>
<u>A58</u>	All works shall be carried out in <u>general</u> accordance with the certified/deemed certified Management Plans. No works shall commence until written certification of a Management Plan has been received or the Management Plan has been deemed certified, unless otherwise approved in writing by the Council (Team Leader North West Monitoring).	Reinstating the word 'general'. This is consistent with conditions B2 and C2 that requires works to be in general accordance with the plans. On infrastructure projects it is appropriate that works be in "general" accordance with the Management Plans, as sometimes minor deviations are necessary.
B24	Subject to approval from the landowner the planting must be:	Reinstating maintenance period to two years as originally put forward by Auckland

	<p>(a) undertaken within the first planting season (May to September) following the completion of the occupation period</p> <p>(b) fully implemented in accordance with the certified LMP; and</p> <p>(c) maintained for the duration of five <u>two</u> years in accordance with the provisions of the certified LMP.</p> <p>In the event that the landowner declines a reasonable request for access to implement the certified LMP, the requirement for the Requiring Authority to undertake the works in accordance with the certified LMP does not apply.</p>	<p>Transport. This planting is amenity planting that is akin to street trees which generally have a two year maintenance period. AT understand that five years is imposed on native revegetation that is required for ecological mitigation/offset that requires canopy closure. A five year maintenance period is also an issue in regards to ongoing construction contracts.</p>
Heading	36 Old Pine Valley Road - Stock Yards, Stock Loading Ramp and Stock Truck Access and Tree Removal	Consequential change as a result of removing condition B29 below.
B26	<p>The objectives of the SYAP are to:</p> <p>a) Ensure provision of upgraded or relocated access so that all parts of the property can be accessed safely and efficiently. This shall include provision of safe access to or relocation of the existing cattle loading ramp.</p> <p>b) a) Ensure provisions for stock loading and unloading are available for the continued operation of the land for livestock farming use;</p> <p>e) b) Ensure that provisions for stock loading and unloading, including vehicle access crossing and gate are safe.</p>	Remove Clause (a). The issues with access to the existing stock ramp are related to the works undertaken already, not as a result of the proposed works.
B29	<p>Prior to the removal of poplar trees from 36 Old Pine Valley Road, the potential impact of the removal of the poplar trees to the 'fence trees' lining the eastern boundary of the property shall be assessed by an arborist. If significant health and safety risk is identified and subject to the landowner's re-confirmation, the 'fence trees' shall be removed at the same time as the poplar trees.</p>	Remove condition. Auckland Transport has already had an arborist review and confirmed the trees are not at risk as a result of the project.

Auckland Transport's Modifications to Designation Conditions (Clean)

A. Conditions applying to all Designations

Definition of Terms

A1. In these conditions:

- a) "adjacent properties" means the properties at:
 - (i) 10 Old Pine Valley Road;
 - (ii) 36 Old Pine Valley Road;
 - (iii) 1687 Dairy Flat Highway,
 - (iv) 1700 Dairy Flat Highway;
 - (v) 1731 Dairy Flat Highway;
 - (vi) 1732 Dairy Flat Highway;
 - (vii) 1738 Dairy Flat Highway;
 - (viii) Pt Allot 16 SO 18072 Old Pine Valley Road;
 - (ix) Lot 2 480626, Dairy Flat Highway; and
 - (x) Sec 6 SO 308591, Dairy Flat Highway.
- b) "affected parties" means the owners and occupiers of the properties at:
 - (i) 10 Old Pine Valley Road;
 - (ii) 36 Old Pine Valley Road;
 - (iii) 1687 Dairy Flat Highway,
 - (iv) 1700 Dairy Flat Highway;
 - (v) 1731 Dairy Flat Highway; and
 - (vi) 1732 Dairy Flat Highway.
- c) "Auckland Transport roadside bioretention planting guide" means the latest Auckland Transport roadside bioretention planting guideline or other endorsed Auckland Council bioretention planting guide;
- d) "certify", "certification" and "certified" in relation to plans or management plans means assessed by Council staff acting in a technical certification capacity, and in particular as to whether the document or matter is

consistent with, or sufficient to meet, the conditions of this designation in terms of the matters set out in the conditions;

- e) "Commencement of Construction" means commencement of any construction works for the Project or (as the case requires) commencement of any construction works for a part or stage of the Project. For the avoidance of doubt, it excludes site investigations, fencing, and any activities that do not need resource consent/are permitted activities;
- f) "Requiring Authority" means Auckland Transport;
- g) "Council" means the Auckland Council;
- h) "Infrastructure" means the road, cycleway, footpath, bridge, stormwater management devices, underground services, stormwater outlets, culvert and related works to be constructed by Auckland Transport;
- i) "Mana Whenua" means the following identified mana whenua groups excluding those who don't wish to engage on any particular subject:
 - (i) Ngāi Tai ki Tāmaki - Ngāi Tai ki Tāmaki Tribal Trust
 - (ii) Ngāi Tai ki Tāmaki - Manuhiri Kaitiaki Charitable Trust
 - (iii) Ngāti Maru - Ngāti Maru Rūnanga Trust
 - (iv) Ngāti Pāoa - Ngāti Paoa Iwi Trust
 - (v) Ngāti Pāoa - Ngāti Paoa Trust Board
 - (vi) Ngāti Te Ata - Te Ara Rangatu o Te Iwi o Ngāti Te Ata Waiohua
 - (vii) Ngāti Wai - Ngāti Wai Trust Board
 - (viii) Ngāti Whanaunga - Ngāti Whanaunga Incorporated
 - (ix) Ngāti Whātua o Kaipara - Ngā Maunga Whakahii o Kaipara Development Trust
 - (x) Ngāti Whātua Ōrākei - Ngāti Whātua Ōrākei Trust
 - (xi) Te Ākitai Waiohua - Te Ākitai Waiohua Iwi Authority
 - (xii) Te Kawerau a Maki - Te Kawerau Iwi Settlement Trust
 - (xiii) Te Patukirikiri - Te Patukirikiri Iwi Incorporation
 - (xiv) Te Rūnanga o Ngāti Whātua - Te Rūnanga o Ngāti Whātua
- j) "Planting Season" means the period between May and September;
- k) "Project" means the construction, operation and management of the Infrastructure;

- l) "Team Leader North West Monitoring" means the Team Leader North West Monitoring for the time being of the Council's Licencing and Regulatory Compliance Department.

Management Plan Certification Process

- A2. Conditions A3 to A8 below shall apply to all Management Plans required by these conditions.
- A3. Management Plans shall be submitted to the Council (Team Leader North West Monitoring) for certification in writing. Management Plans shall be submitted at least twenty (20) working days prior to Commencement of Construction unless otherwise specified in the conditions. If the Council (Team Leader North West Monitoring) does not provide written certification or written notice of refusal to certify and recommended changes within twenty (20) working days the Management Plan shall be deemed certified.

Advice Note: Any preliminary works that are permitted activities can be undertaken prior to any Management Plan(s) being certified.

- A4. Management Plans may be submitted in parts or in stages to address particular activities or to reflect a staged implementation of the Project, and when provided in part or for a stage shall be submitted at least twenty (20) working days prior to commencement of construction of that part of the stage unless otherwise specified in the conditions. Management Plans submitted shall clearly show the linkage with plans for adjacent stages and interrelated activities.
- A5. Should the Council (Team Leader North West Monitoring) refuse to certify a Management Plan, or a part or stage of a Management Plan, in accordance with Condition A4 above, the Requiring Authority shall submit a revised Management Plan for certification as soon as practicable. The certification process shall follow the same procedures as outlined in Condition A3 above.
- A6. Any certified/deemed certified Management Plan may be amended, if necessary, to reflect any minor changes in design, construction methods or management of effects. Any amendments are to be discussed with and submitted to the Council (Team Leader North West Monitoring) in writing prior to implementation of the change. Where the Team Leader North West Monitoring determines in his or her discretion that those amendments once implemented would result in a materially different outcome to that described in the original plan Condition A7 shall apply.
- A7. Any changes to a certified/deemed certified Management Plan involving a materially different outcome under Condition A6 shall be submitted to the Council (Team Leader North West Monitoring) to certify that they comply with the applicable requirements of these conditions. Any material change must be consistent with the objectives of the relevant Management Plan and the requirements of the relevant conditions of these designations. Where a

Management Plan was prepared in consultation with affected parties, any material changes to that Plan shall be prepared in consultation with those same parties.

- A8. All works shall be carried out in general accordance with the certified/deemed certified Management Plans. No works shall commence until written certification of a Management Plan has been received or the Management Plan has been deemed certified, unless otherwise approved in writing by the Council (Team Leader North West Monitoring).

B. Designation 1 Conditions (NoR1)

General conditions

- B1. This designation will lapse 15 years from being operative in the Auckland Unitary Plan: Operative in Part unless:
- a) It is given effect to before the end of that period; or
 - b) The territorial authority resolves that the requiring authority has made, and is continuing to make, substantial progress or effort towards giving effect to the designation and fixes a longer period to give effect to the designation.
- B2. The scope and extent of the Stage 1 works (including the horizontal and vertical alignment of the carriageway) within the designation shall be generally in accordance with the updated Revision G set of plans contained in Appendix E of the Notice of Requirement dated 16/04/2021, unless an outline plan is submitted under section 176A(1) of the Resource Management Act 1991.
- B3. Stage 2 works will require the submission of an outline plan under section 176A(1) of the Resource Management Act 1991 unless not required in accordance with section 176A(2)(a) or (c) of the Resource Management Act 1991.

Construction Environmental Management Plan

- B4. The Requiring Authority shall prepare a Construction Environmental Management Plan (CEMP) for the works. The Requiring Authority shall submit the CEMP to the Council (Team Leader North West Monitoring) for certification that the CEMP gives effect to the objectives in Condition B5 and complies with the requirements in Conditions B6 to B8.
- B5. The objectives of the CEMP are to:
- a) Ensure that the construction works remain within the limits and standards approved under the designation, and identify construction methods to be undertaken in order to avoid, remedy or mitigate potential adverse effects arising from construction activities; and

- b) Give effect to the objectives in the management plans listed in Condition B6.
- B6. The CEMP shall incorporate or refer to the following management plans and documents:
- a) Construction Noise and Vibration Management Plan (CNVMP);
 - b) Earthworks Management Plan;
 - c) Accidental Discovery Protocol; and
 - d) Construction Traffic Management Plan (CTMP).
- B7. The CEMP shall provide details of the roles and responsibilities, reporting frameworks, coordination and management activities and actions required for effective site management. The CEMP shall provide information on the following matters:
- a) Construction quality assurance;
 - b) Construction works programming including:
 - (i) An outline construction programme;
 - (ii) Confirmation of the proposed staging and sequence of construction;
 - c) Site management; and
 - d) Consultation and communications, including the methods for communicating and consulting with the adjacent or affected parties.
- B8. All personnel working on the site shall be made aware of the requirements contained in the CEMP. A copy of the certified CEMP shall be held on the site at all times while any activity associated with construction is occurring. The certified CEMP shall be implemented and maintained throughout the entire period of the works.

Construction Quality Assurance

- B9. This part of the CEMP requires the establishment of management frameworks, systems and procedures to ensure quality management of all on-site construction activities and compliance with the conditions of this designation. This section shall provide details on the following:
- a) Contact details of the contractor's site supervisor or project manager and the Requiring Authority's Project Liaison Person (phone, postal address, email address);
 - b) Confirmation of the construction methodology, including for permanent and temporary structures;

- c) Methods and systems to inform and train all persons working on the site of potential environmental issues and how to avoid, remedy, or mitigate any potential adverse effects;
- d) Procedures for ensuring that residents, businesses, network utility operators and road users in the immediate vicinity of construction areas are given prior notice of the Commencement of Construction and are informed about the expected duration and effects of the work;
- e) Procedures for responding to, recording and reporting complaints about construction activities;
- f) Means of providing for the health and safety of the general public;
- g) Measures to be adopted to maintain the land affected by the works in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of construction materials and similar construction activities;
- h) Procedures for controlling sediment run-off, dust and the removal of soil, debris, demolition and construction materials (if any) from public roads or places adjacent to the work site/s;
- i) Measures to manage the potential impacts of construction lighting on residents and on local fauna;
- j) Procedures for the refuelling, cleaning, maintenance and storage of plant and equipment, and measures to avoid discharges of contaminants from these activities;
- k) Measures to address the storage of fuels, lubricants, hazardous and/or dangerous materials, along with contingency procedures to address emergency spill response(s) and clean up;
- l) Procedures for incident management, monitoring and reporting including review and corrective and preventative action;
- m) Site clean-up following completion of works, including removal of construction materials, temporary structures;
- n) Maintenance of plant in a good state of repair so as not to produce excessive fumes or leakage of contaminants when parked or in operation;
and
- o) Measures to monitor and minimise discharges of dust so that any offensive or objectionable effects are immediately identified and are mitigated.
- p) Measures for arranging the washing of habitable buildings at the properties of 10 and 36 Old Pine Valley Road during Stage 1 works, subject to approval from landowners and occupiers, involving:

- (i) Monthly external washing of roof and gutter areas servicing potable water tanks during NoR1 Stage 1 construction work;
- (ii) Complete external house washing every 6 months during NoR1 Stage 1 construction works. The house washing shall include every habitable building as existing at 3 November 2020, commencing within 6 months of the start of NoR1 Stage 1 construction works and be undertaken at no less than 6 monthly intervals, with a final wash following the completion of the NoR1 Stage 1 construction works.

Construction Works Programme

B10. This part of the CEMP is to ensure that the requiring authority has prepared a Stage 1 programme of works that will enable the Infrastructure and all other associated land based works, to be constructed in a manner that is timely, adequately co-ordinated and minimises the adverse effects of construction. This section shall, among other matters, provide details of the Stage 1 programme for the construction works.

Construction Noise and Vibration Management Plan

B11. The requiring authority shall prepare a Construction Noise and Vibration Management Plan (CNVMP) for the proposed works. At least five (5) working days prior to Commencement of Construction, the Requiring Authority shall submit the CNVMP to the Council (Team Leader North West Monitoring) for certification that the CNVMP gives effect to the objectives in Condition B12 and complies with the requirements in Condition B13.

B12. The objectives of the CNVMP are to:

- a) Identify and implement the Best Practicable Option (BPO) for the management of all construction noise and vibration effects;
- b) Define the procedures to be followed where the noise and vibration standards (Conditions B14 & B15) are not met (following the implementation of the BPO);
- c) Set out the methods for scheduling works to minimise disruption; and
- d) Ensure engagement with affected receivers and timely management of complaints.

B13. The CNVMP shall include:

- a) A description of the works;
- b) Hours of operation, including a specific section on works at night (2230h - 0700h), incorporating clear definitions of the works undertaken at night (if any);
- c) Contact details for staff responsible for implementation of the CNVMP;

- d) The construction noise and vibration performance standards for the project;
- e) General construction practices, management and mitigation;
- f) Minimum separation distances from receivers for plant and machinery where compliance with the construction noise and vibration standards is achieved;
- g) Identification of affected sensitive receivers where noise and vibration performance standards apply;
- h) A specific section setting out the predicted noise and/or vibration levels, mitigation, monitoring and management measures (including communication with stakeholders and use of temporary noise barriers) that will be adopted for works which cannot comply with the project standards specified in Conditions B14 and B15; and
- i) A communication, consultation and complaints response protocol including specific provisions for determining the times that receivers are sensitive to noise and vibration and the extent to which high noise and vibration works can be scheduled around those times where practicable (including residential activities).

B14. Construction noise shall be measured and assessed in accordance with the provisions of New Zealand Standard NZS 6803: 1999 "Acoustics - Construction Noise" and comply with the following Project Standards unless otherwise provided for in any CNVMP (refer Condition 13):

Time of Week	Time Period (hrs)	Noise Limits	
		dB LAeq	dB LAFmax
Building with activities sensitive to noise			
Weekdays	0630 – 0730	55	70
	0730 – 1800	70	85
	1800 – 2000	65	80
	2000 – 0630	40	70
Saturdays	0730 – 1800	70	85
	1800 – 0730	40	70
Sundays and public holidays	0730 – 1800	50	80
	1800 – 0730	40	70
Building with all other activities			
All days	0730 – 1800	70	-
	1800 – 0730	75	-

Advice Note

The CNVMP required by B11 authorises noise levels exceeding those set out in condition B14. The noise limits applying in condition B14 that apply between 1800 and 0730 on any day may only be exceeded by works that cannot be

completed between 0730 and 1800 for practical reasons related to avoiding unreasonable traffic congestion during the day, or similar. These noise limits may not be exceeded for reasons related to shortening the construction timeframe or for making up lost time.

B15. Where practical, construction vibration must comply with the vibration limits set out in the following Table A.

Table A – Construction Vibration Standards – Amenity:

Receiver	Time	Peak Particle Velocity Limit millimetres/second
Occupied activities sensitive to vibration*	2200h-0700h	0.3mm/s PPV
	0700h-2200h	2mm/s PPV
Other occupied buildings	All times	2mm/s PPV

*Any dwelling, visitor accommodation, boarding house, marae, papakāinga, integrated residential development, retirement village, supported residential care, care centres, lecture theatres in tertiary education facilities, classrooms in education facilities and healthcare facilities with an overnight stay facility.

- a) Where compliance is not achievable following the adoption of the Best Practicable Option, the process in B15 b) must be applied. Construction vibration shall be measured and assessed in accordance with DIN4150-3:1999.
- b) If measured or predicted vibration from construction activities exceeds the limits of Table A, the Requiring Authority shall consult with the affected receivers to:
 - (i) Discuss the nature of the work and the anticipated days and hours when the exceedances are likely to occur; and
 - (ii) Determine whether the exceedances could be timed or managed to reduce the effects on the receiver.

The Requiring Authority shall maintain a record of these discussions and make them available to the Council on its request.

B16. Construction vibration must comply with the vibration limits set out in the following Table B at all buildings and at all times.

Table B – Construction Vibration Standards – Building Damage

<u>Type of Structure</u>	<u>Short-term Vibration*</u>			<u>PPV at horizontal plane of highest floor at all frequencies</u>	<u>PPV at horizontal plane of highest floor at all frequencies</u>
	<u>Peak particle velocity (PPV) on foundation, mm/s</u>				
	<u>1 Hz-10 Hz</u>	<u>10 HZ-50Hz</u>	<u>50Hz-100 Hz</u>		

<u>Building used for commercial purposes, industrial buildings</u>	<u>20 mm/s</u>	<u>20-40 mm/s</u>	<u>40-50 mm/s</u>	<u>40 mm/s</u>	<u>10 mm/s</u>
<u>Dwellings and buildings of similar design and/or occupancy</u>	<u>5 mm/s</u>	<u>5-15 mm/s</u>	<u>15-20 mm/s</u>	<u>15 mm/s</u>	<u>5 mm/s</u>
<u>Structures that, because of their particular sensitivity to vibration, cannot be classified under the above two rows and are of great intrinsic value</u>	<u>3 mm/s</u>	<u>3-8 mm/s</u>	<u>8-10 mm/s</u>	<u>8 mm/s</u>	<u>2.5 mm/s</u>

*Vibration that does not occur often enough to cause material fatigue and whose development over time and duration is not suitable for producing a significant increase in vibration due to resonance in the particular structure.

Accidental Discovery Condition

B17. The accidental discovery rules in the Auckland Unitary Plan: Operative in Part apply for the discovery of sensitive material, including human remains and kōiwi, archaeological sites, Maori cultural artefacts/taonga tūturu and lava caves greater than 1 m in diameter.

Traffic Management Plan

B18. The requiring authority shall prepare a Construction Traffic Management Plan (CTMP). At least twenty (20) working days prior to commencement of construction, the Requiring Authority shall submit the CTMP to the Team Leader North West Monitoring for certification that the CTMP gives effect to the objectives in Condition B19 and complies with the requirements in Condition B20.

B19. The objectives of the CTMP are to:

- a) Provide for the safety of everyone at all times;
- b) Ensure best practicable measures are undertaken to maintain access at all times to/from adjacent properties;
- c) Minimise disruption from construction traffic on occupants of adjacent properties;
- d) Provide for prior engagement with stakeholders when access to properties will be affected by construction traffic; and
- e) Provide a mechanism for addressing queries and responding to complaints.

B20. The CTMP shall include:

- a) For each Project stage and/or construction area, the traffic management measures that will be required to be implemented;

- b) A mechanism and nominated stakeholder manager who is responsible for receiving, addressing and monitoring queries and responding to complaints in relation to the construction works;
- c) Provision of appropriate ingress and egress routes to/from the site for the construction vehicles, including confirmation of appropriate heavy vehicles layover areas and over-dimensional vehicle routes. The operation of the heavy vehicles layover area shall not impede the travel of passing vehicles and cyclists;
- d) Confirmation of typical numbers of heavy vehicle movements throughout the day;
- e) Restriction on parking for workers on construction sites, with parking prioritised for minor trades (i.e. those needing to bring tools for specialist activities), car/van pooling, staff working outside standard hours and mobility impaired staff/visitors;
- f) Restriction on heavy vehicle movements/deliveries to and from the construction sites on weekdays (excluding public holidays) between 7am and 9am and between 4pm and 6pm unless included as part of a CTMP; and
- g) Processes for monitoring, and to enable review and amendment to the CTMP.

10 Old Pine Valley Road - Landscaping and Management Plan

B21. The Requiring Authority shall prepare a Landscaping and Management Plan (LMP) for replacement planting of the Temporary Occupation areas within the land identified as Pt Lot 5 DP 136559 and Sec 8 SO 315843 at 10 Old Pine Valley Road unless an alternative solution is otherwise agreed between the Requiring Authority and the landowner of 10 Old Pine Valley Road. The Requiring Authority shall submit the LMP to the Team Leader North West Monitoring for certification that the LMP gives effect to the objectives in Condition B22 and complies with the requirements in Condition B23.

B22. The objectives of the LMP are to:

- a) Provide replacement planting to mitigate the adverse effects on the visual amenity of the road from occupants of the land at 10 Old Pine Valley Road (Pt Lot 5 DP 136559, Sec 7 SO 315843 and Sec 8 SO 315843.);
- b) Ensure that batter slopes within the land identified as Pt Lot 5 DP 136559 and Sec 8 SO 315843 at 10 Old Pine Valley Road are planted with low maintenance planting to avoid the need for mowing of grass on batter slopes greater than 1:4;
- c) Ensure appropriate finishing to a minimum of a grassed surface to all other Temporary Occupation areas within the land identified as Pt Lot 5 DP

136559, Sec 7 SO 315843 and Sec 8 SO 315843 at 10 Old Pine Valley Road; and

- d) Ensure “like for like” replacement fencing is provided

B23. The LMP shall include:

- a) A plan of the planted area detailing the proposed plant species, plant sourcing, plant sizes at time of planting, plant locations, density of planting, and timing of planting;
- b) The provision of replacement planting for all trees removed from the Temporary Land Occupation areas within the property at a number no less than three (3) PB40 size or greater plants for every plant greater than 1m in height;
- c) A programme of establishment and post establishment protection and maintenance (fertilising, weed removal/spraying, replacement of dead/poorly performing plants, watering to maintain soil moisture), incorporating a post planting maintenance programme of no less than two (2) years; and
- d) The provision of replacement fencing where removed as a result of the project along newly formed boundaries to a standard of a seven (7) wire post and batten fence.

B24. Subject to approval from the landowner the planting must be:

- a) undertaken within the first planting season (May to September) following the completion of the occupation period
- b) fully implemented in accordance with the certified LMP; and
- c) maintained for the duration of two years in accordance with the provisions of the certified LMP.

In the event that the landowner declines a reasonable request for access to implement the certified LMP, the requirement for the Requiring Authority to undertake the works in accordance with the certified LMP does not apply.

36 Old Pine Valley Road - Stock Yards, Stock Loading Ramp and Stock Truck Access

B25. The Requiring Authority shall prepare a Stock Yard and Access Plan (SYAP) for the land at 36 Old Pine Valley Road unless an alternative solution is otherwise agreed between the Requiring Authority and the landowner of 36 Old Pine Valley Road. The Requiring Authority shall submit the SYAP to the Council (Team Leader North West Monitoring) for certification that the SYAP gives effect to the objectives in Condition B26 and complies with the requirements in Conditions B27.

B26. The objectives of the SYAP are to:

- a) Ensure provisions for stock loading and unloading are available for the continued operation of the land for livestock farming use;
- b) Ensure that provisions for stock loading and unloading, including vehicle access crossing and gate are safe

B27. The SYAP shall include:

- a) Details of how a new stock yard, stock ramp and associated stock truck access will be provided to the “main parcel” of land at 36 Old Pine Valley Road.
- b) Details of the changes proposed to reposition the existing stock yard and stock ramp on the “severance parcel” of the land at 36 Old Pine Valley Road.

B28. Subject to agreement from the landowner to undertake the works, the certified SYAP must be fully implemented prior to the commencement of construction.

In the event that the landowner declines a reasonable request for access to implement the certified SYAP, the requirement for the Requiring Authority to undertake the works in accordance with the certified SYAP does not apply.

C. Designation 2 Conditions (NoR2)

General conditions

- C1. This designation will lapse 15 years from being operative in the Auckland Unitary Plan: Operative in Part unless:
 - a) It is given effect to before the end of that period; or
 - b) The territorial authority resolves that the Requiring Authority has made, and is continuing to make, substantial progress or effort towards giving effect to the designation and fixes a longer period to give effect to the designation.
- C2. The scope and extent of the Stage 1 works (including the horizontal and vertical alignment of the carriageway) within the designation shall be generally in accordance with the updated Revision G set of plans contained in Appendix E of the Notice of Requirement dated 16/04/2021, unless an outline plan is submitted under section 176A(1) of the Resource Management Act 1991.
- C3. Stage 2 works will require the submission of an Outline Plan under section 176A(1) of the Resource Management Act 1991 unless not required in accordance with section 176A(2)(a) or (c) of the Resource Management Act 1991.

Construction Environmental Management Plan

- C4. The Requiring Authority shall prepare a Construction Environmental Management Plan (CEMP) for the works. The Requiring Authority shall submit the CEMP to the Council (Team Leader North West Monitoring) for certification that the CEMP gives effect to the objectives in Condition C5 and complies with the requirements in Conditions C6 to C8.
- C5. The objectives of the CEMP are to:
- a) Ensure that the construction works remain within the limits and standards approved under the designation and identify construction methods to be undertaken in order to avoid, remedy or mitigate potential adverse effects arising from construction activities; and
 - b) Give effect to the objectives in the management plans listed in Condition C6.
- C6. The CEMP shall incorporate or refer to the following management plans and documents:
- a) Construction Noise and Vibration Management Plan (CNVMP);
 - b) Earthworks Management Plan;
 - c) Accidental Discovery Protocol; and
 - d) Construction Traffic Management Plan (CTMP).
- C7. The CEMP shall provide details of the responsibilities, reporting frameworks, coordination and management required for effective site management. The CEMP shall provide information on the following matters:
- a) Construction quality assurance;
 - b) Construction works programming including:
 - (i) An outline construction programme; and
 - (ii) Confirmation of the proposed staging and sequence of construction;
 - c) Site management; and
 - d) Consultation and communications, including the methods for communicating and consulting with the adjacent or affected parties.
- C8. All personnel working on the site shall be made aware of the requirements contained in the CEMP. A copy of the certified CEMP shall be held on the site at all times while any activity associated with construction is occurring. The certified CEMP shall be implemented and maintained throughout the entire period of the works.

Construction Quality Assurance

- C9. This part of the CEMP requires the establishment of management frameworks, systems and procedures to ensure quality management of all on-site construction activities and compliance with the conditions of this designation. This section shall provide details on the following:
- a) Contact details of the contractor's site supervisor or project manager and the Requiring Authority's Project Liaison Person (phone, postal address, email address);
 - b) Confirmation of the construction methodology, including for permanent and temporary structures;
 - c) Methods and systems to inform and train all persons working on the site of potential environmental issues and how to avoid, remedy, or mitigate any potential adverse effects;
 - d) Procedures for ensuring that residents, businesses, network utility operators and road users in the immediate vicinity of construction areas are given prior notice of the Commencement of Construction and are informed about the expected duration and effects of the work;
 - e) Procedures for responding to, recording and reporting complaints about construction activities;
 - f) Means of providing for the health and safety of the general public;
 - g) Measures to be adopted to maintain the land affected by the works in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of construction materials and similar construction activities;
 - h) Procedures for controlling sediment run-off, dust and the removal of soil, debris, demolition and construction materials (if any) from public roads or places adjacent to the work site/s;
 - i) Measures to manage the potential impacts of construction lighting on residents and on local fauna;
 - j) Procedures for the refuelling, cleaning, maintenance and storage of plant and equipment, and measures to avoid discharges of contaminants from these activities;
 - k) Measures to address the storage of fuels, lubricants, hazardous and/or dangerous materials, along with contingency procedures to address emergency spill response(s) and clean up;
 - l) Procedures for incident management, monitoring and reporting including review and corrective and preventative action;
 - m) Site clean-up following completion of works, including removal of construction materials, temporary structures;

- n) Maintenance of plant in a good state of repair so as not to produce excessive fumes or leakage of contaminants when parked or in operation; and
- o) Measures to monitor and minimise discharges of dust so that any offensive or objectionable effects are immediately identified and are mitigated.

Construction Works Programme

C10. This part of the CEMP is to ensure that the requiring authority has prepared a Stage 1 programme of works that will enable the Infrastructure and all other associated land based works, to be constructed in a manner that is timely, adequately co-ordinated and minimises the adverse effects of construction. This section shall, among other matters, provide details of the Stage 1 programme for the construction works.

Construction Noise and Vibration Management Plan

C11. The requiring authority shall prepare a Construction Noise and Vibration Management Plan (CNVMP) for the proposed works. At least five (5) working days prior to Commencement of Construction, the Requiring Authority shall submit the CNVMP to the Council (Team Leader North West Monitoring) for certification that the CNVMP gives effect to the objectives in Condition C12 and complies with the requirements in Condition C13.

C12. The objectives of the CNVMP are to:

- a) Identify and implement the Best Practicable Option (BPO) for the management of all construction noise and vibration effects;
- b) Define the procedures to be followed where the noise and vibration standards (Conditions C14 & C15) are not met (following the implementation of the BPO);
- c) Set out the methods for scheduling works to minimise disruption; and
- d) Ensure engagement with affected receivers and timely management of complaints.

C13. The CNVMP shall include:

- a) A description of the works;
- b) Hours of operation, including a specific section on works at night (2230h - 0700h), incorporating clear definitions of the works undertaken at night (if any);
- c) Contact details for staff responsible for implementation of the CNVMP;
- d) The construction noise and vibration performance standards for the project;

- e) General construction practices, management and mitigation;
- f) Minimum separation distances from receivers for plant and machinery where compliance with the construction noise and vibration standards is achieved;
- g) Identification of affected sensitive receivers where noise and vibration performance standards apply;
- h) A specific section setting out the predicted noise and/or vibration levels, mitigation, monitoring and management measures (including communication with stakeholders and use of temporary noise barriers) that will be adopted for works which cannot comply with the project standards specified in Conditions C14 and C15; and
- i) A communication, consultation and complaints response protocol including specific provisions for determining the times that receivers are sensitive to noise and vibration and the extent to which high noise and vibration works can be scheduled around those times where practicable (including residential activities).

C14. Construction noise shall be measured and assessed in accordance with the provisions of New Zealand Standard NZS 6803: 1999 "Acoustics - Construction Noise" and comply with the following Project Standards unless otherwise provided for in any CNVMP (refer Condition 14):

Time of Week	Time Period (hrs)	Noise Limits	
		dB L _{Aeq}	dB L _{AFmax}
Building with activities sensitive to noise			
Weekdays	0630 – 0730	55	70
	0730 – 1800	70	85
	1800 – 2000	65	80
	2000 – 0630	40	70
Saturdays	0730 – 1800	70	85
	1800 – 0730	40	70
Sundays and public holidays	0730 – 1800	50	80
	1800 – 0730	40	70
Building with all other activities			
All days	0730 – 1800	70	-
	1800 – 0730	75	-

Advice Note

The CNVMP required by C11 authorises noise levels exceeding those set out in condition C14. The noise limits applying in condition C14 that apply between 1800 and 0730 on any day may only be exceeded by works that cannot be completed between 0730 and 1800 for practical reasons related to avoiding unreasonable traffic congestion during the day, or similar. These noise limits

may not be exceeded for reasons related to shortening the construction timeframe or for making up lost time.

- C15. Where practical, construction vibration must comply with the vibration limits set out in the following Table A.

Table A – Construction Vibration Standards – Amenity:

Receiver	Time	Peak Particle Velocity Limit millimetres/second
Occupied activities sensitive to noise*	2200h-0700h	0.3mm/s PPV
	0700h-2200h	2mm/s PPV
Other occupied buildings	All times	2mm/s PPV

*Any dwelling, visitor accommodation, boarding house, marae, papakāinga, integrated residential development, retirement village, supported residential care, care centres, lecture theatres in tertiary education facilities, classrooms in education facilities and healthcare facilities with an overnight stay facility.

- a) Where compliance is not achievable following the adoption of the Best Practicable Option, the process in C15 b) must be applied. Construction vibration shall be measured and assessed in accordance with DIN4150-3:1999.
- b) If measured or predicted vibration from construction activities exceeds the limits of Table A, the Requiring Authority shall consult with the affected receivers to:
 - (i) Discuss the nature of the work and the anticipated days and hours when the exceedances are likely to occur; and
 - (ii) Determine whether the exceedances could be timed or managed to reduce the effects on the receiver.

The Requiring Authority shall maintain a record of these discussions and make them available to the Council on its request.

- C16. Construction vibration must comply with the vibration limits set out in the following Table B at all buildings and at all times.

Table B – Construction Vibration Standards – Building Damage

<u>Type of Structure</u>	<u>Short-term Vibration*</u>			<u>PPV at horizontal plane of highest floor at all frequencies</u>	<u>PPV at horizontal plane of highest floor at all frequencies</u>
	<u>1 Hz-10 Hz</u>	<u>10 HZ-50Hz</u>	<u>50Hz-100 Hz</u>		

<u>Building used for commercial purposes, industrial buildings</u>	<u>20 mm/s</u>	<u>20-40 mm/s</u>	<u>40-50 mm/s</u>	<u>40 mm/s</u>	<u>10 mm/s</u>
<u>Dwellings and buildings of similar design and/or occupancy</u>	<u>5 mm/s</u>	<u>5-15 mm/s</u>	<u>15-20 mm/s</u>	<u>15 mm/s</u>	<u>5 mm/s</u>
<u>Structures that, because of their particular sensitivity to vibration, cannot be classified under the above two rows and are of great intrinsic value</u>	<u>3 mm/s</u>	<u>3-8 mm/s</u>	<u>8-10 mm/s</u>	<u>8 mm/s</u>	<u>2.5 mm/s</u>

*Vibration that does not occur often enough to cause material fatigue and whose development over time and duration is not suitable for producing a significant increase in vibration due to resonance in the particular structure.

Accidental Discovery Condition

C17. The accidental discovery rules in the Auckland Unitary Plan: Operative in Part apply for the discovery of sensitive material, including human remains and kōiwi, archaeological sites, Maori cultural artefacts/taonga tūturu and lava caves greater than 1 m in diameter.

Traffic Management Plan

C18. The requiring authority shall prepare a Construction Traffic Management Plan (CTMP). At least twenty (20) working days prior to commencement of construction, the Requiring Authority shall submit the CTMP to the Council (Team Leader North West Monitoring) for certification that the CTMP gives effect to the objectives in Condition C19 and complies with the requirements in Condition C20.

C19. The objectives of the CTMP are to:

- a) Provide for the safety of everyone at all times;
- b) Ensure best practicable measures are undertaken to maintain access at all times to/from adjacent properties;
- c) Minimise disruption from construction traffic on occupants of adjacent properties;
- d) Provide for prior engagement with stakeholders when access to properties will be affected by construction traffic; and
- e) Provide a mechanism for addressing queries and responding to complaints.

C20. The CTMP shall include:

- a) For each Project stage and/or construction area, the traffic management measures that will be required to be implemented;

- b) A mechanism and nominated stakeholder manager who is responsible for receiving, addressing and monitoring queries and responding to complaints in relation to the construction works;
- c) Provision of appropriate ingress and egress routes to/from the site for the construction vehicles, including confirmation of appropriate heavy vehicles layover areas and over-dimensional vehicle routes. The operation of the heavy vehicles layover area shall not impede the travel of passing vehicles and cyclists;
- d) Confirmation of typical numbers of heavy vehicle movements throughout the day;
- e) Restrictions on parking for workers on construction sites, with parking prioritised for minor trades (i.e. those needing to bring tools for specialist activities), car/van pooling, staff working outside standard hours and mobility impaired staff/visitors;
- f) Restrictions on heavy vehicle movements/ deliveries to and from the construction sites on weekdays (excluding public holidays) between 7am and 9am and between 4pm and 6pm unless included as part of a CTMP; and
- g) Processes for monitoring, and to enable review and amendment to the CTMP.

Auckland Transport's Modifications to Designation Conditions (Tracked)

Insertions shown as underline and deletions shown as strikethrough.

A. Conditions applying to all Designations

Definition of Terms

A1. In these conditions:

- a) "adjacent properties" means the properties at:
 - (i) 10 Old Pine Valley Road;
 - (ii) 36 Old Pine Valley Road;
 - (iii) 1687 Dairy Flat Highway,
 - (iv) 1700 Dairy Flat Highway;
 - (v) 1731 Dairy Flat Highway;
 - (vi) 1732 Dairy Flat Highway;
 - (vii) 1738 Dairy Flat Highway;
 - (viii) Pt Allot 16 SO 18072 Old Pine Valley Road;
 - (ix) Lot 2 480626, Dairy Flat Highway; and
 - (x) Sec 6 SO 308591, Dairy Flat Highway.
- b) "affected parties" means the owners and occupiers of the properties at:
 - (i) 10 Old Pine Valley Road;
 - (ii) 36 Old Pine Valley Road;
 - (iii) 1687 Dairy Flat Highway,
 - (iv) 1700 Dairy Flat Highway;
 - (v) 1731 Dairy Flat Highway; and
 - (vi) 1732 Dairy Flat Highway.
- c) "Auckland Transport roadside bioretention planting guide" means the latest Auckland Transport roadside bioretention planting guideline or other endorsed Auckland Council bioretention planting guide;
- d) "certify", "certification" and "certified" in relation to plans or management plans means assessed by Council staff acting in a technical certification capacity, and in particular as to whether the document or matter is

consistent with, or sufficient to meet, the conditions of this designation in terms of the matters set out in the conditions;

- e) "Commencement of Construction" means commencement of any construction works for the Project or (as the case requires) commencement of any construction works for a part or stage of the Project. For the avoidance of doubt, it excludes site investigations, fencing, and any activities that do not need resource consent/are permitted activities;
- f) "Requiring Authority" means Auckland Transport;
- g) "Council" means the Auckland Council;
- h) "Infrastructure" means the road, cycleway, footpath, bridge, stormwater management devices, underground services, stormwater outlets, culvert and related works to be constructed by Auckland Transport;
- i) "Mana Whenua" means the following identified mana whenua groups excluding those who don't wish to engage on any particular subject:
 - (i) Ngāi Tai ki Tāmaki - Ngāi Tai ki Tāmaki Tribal Trust
 - (ii) Ngāi Tai ki Tāmaki - Manuhiri Kaitiaki Charitable Trust
 - (iii) Ngāti Maru - Ngāti Maru Rūnanga Trust
 - (iv) Ngāti Pāoa - Ngāti Paoa Iwi Trust
 - (v) Ngāti Pāoa - Ngāti Paoa Trust Board
 - (vi) Ngāti Te Ata - Te Ara Rangatu o Te Iwi o Ngāti Te Ata Waiohua
 - (vii) Ngāti Wai - Ngāti Wai Trust Board
 - (viii) Ngāti Whanaunga - Ngāti Whanaunga Incorporated
 - (ix) Ngāti Whātua o Kaipara - Ngā Maunga Whakahii o Kaipara Development Trust
 - (x) Ngāti Whātua Ōrākei - Ngāti Whātua Ōrākei Trust
 - (xi) Te Ākitai Waiohua - Te Ākitai Waiohua Iwi Authority
 - (xii) Te Kawerau a Maki - Te Kawerau Iwi Settlement Trust
 - (xiii) Te Patukirikiri - Te Patukirikiri Iwi Incorporation
 - (xiv) Te Rūnanga o Ngāti Whātua - Te Rūnanga o Ngāti Whātua
- j) "Planting Season" means the period between May and September;
- k) "Project" means the construction, operation and management of the Infrastructure;

- l) "Team Leader North West Monitoring" means the Team Leader North West Monitoring for the time being of the Council's Licencing and Regulatory Compliance Department.

Management Plan Certification Process

A2. Conditions [A2-A3](#) to [A7-A8](#) below shall apply to all Management Plans required by these conditions.

[A3.](#) Management Plans shall be submitted to the Council (Team Leader North West Monitoring) for certification in writing. Management Plans shall be submitted at least twenty (20) working days prior to Commencement of Construction unless otherwise specified in the conditions. [If the Council \(Team Leader North West Monitoring\) does not provide written certification or written notice of refusal to certify and recommended changes within twenty \(20\) working days the Management Plan shall be deemed certified.](#)

Advice Note: Any preliminary works that are permitted activities can be undertaken prior to any Management Plan(s) being certified.

[A3-A4.](#) Management Plans may be submitted in parts or in stages to address particular activities or to reflect a staged implementation of the Project, and when provided in part or for a stage shall be submitted at least twenty (20) working days prior to commencement of construction of that part of the stage unless otherwise specified in the conditions. Management Plans submitted shall clearly show the linkage with plans for adjacent stages and interrelated activities.

[A5.](#) Should the Council (Team Leader North West Monitoring) refuse to certify a Management Plan, or a part or stage of a Management Plan, in accordance with Condition A4 above, the Requiring Authority shall submit a revised Management Plan for certification as soon as practicable. The certification process shall follow the same procedures as outlined in Condition A3 above.

[A6.](#) [Any certified/deemed certified Management Plan may be amended, if necessary, to reflect any minor changes in design, construction methods or management of effects. Any amendments are to be discussed with and submitted to the Council \(Team Leader North West Monitoring\) in writing prior to implementation of the change. Where the Team Leader North West Monitoring determines in his or her discretion that those amendments once implemented would result in a materially different outcome to that described in the original plan Condition A7 shall apply.](#)

[A7.](#) [Any changes to a certified/deemed certified Management Plan involving a materially different outcome under Condition A6 shall be submitted to the Council \(Team Leader North West Monitoring\) to certify that they comply with the applicable requirements of these conditions. Any material change must be consistent with the objectives of the relevant Management Plan and the requirements of the relevant conditions of these designations. Where a](#)

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Management Plan was prepared in consultation with affected parties, any material changes to that Plan shall be prepared in consultation with those same parties.

~~A4-A8.~~ All works shall be carried out in general accordance with the certified/deemed certified Management Plans. No works shall commence until written certification of a Management Plan has been received or the Management Plan has been deemed certified, unless otherwise approved in writing by the Council (Team Leader North West Monitoring).

B. Designation 1 Conditions (NoR1)

General conditions

- B1. This designation will lapse 15 years from being operative in the Auckland Unitary Plan: Operative in Part unless:
- a) It is given effect to before the end of that period; or
 - b) The territorial authority resolves that the requiring authority has made, and is continuing to make, substantial progress or effort towards giving effect to the designation and fixes a longer period to give effect to the designation.
- B2. The scope and extent of the Stage 1 works (including the horizontal and vertical alignment of the carriageway) within the designation shall be generally in accordance with the updated Revision G set of plans contained in Appendix E of the Notice of Requirement dated 16/04/2021, unless an outline plan is submitted under section 176A(1) of the Resource Management Act 1991.
- B3. Stage 2 works will require the submission of an outline plan under section 176A(1) of the Resource Management Act 1991 unless not required in accordance with section 176A(2)(a) or (c) of the Resource Management Act 1991.

Construction Environmental Management Plan

- B4. The Requiring Authority shall prepare a Construction Environmental Management Plan (CEMP) for the works. The Requiring Authority shall submit the CEMP to the Council (Team Leader North West Monitoring) for certification that the CEMP gives effect to the objectives in Condition B5 and complies with the requirements in Conditions B6 to B8.
- B5. The objectives of the CEMP are to:
- a) Ensure that the construction works remain within the limits and standards approved under the designation, and identify construction methods to be undertaken in order to avoid, remedy or mitigate potential adverse effects arising from construction activities; and

- b) Give effect to the objectives in the management plans listed in Condition B6.
- B6. The CEMP shall incorporate or refer to the following management plans and documents:
- a) Construction Noise and Vibration Management Plan (CNVMP);
 - b) Earthworks Management Plan;
 - c) Accidental Discovery Protocol; and
 - d) Construction Traffic Management Plan (CTMP).
- B7. The CEMP shall provide details of the roles and responsibilities, reporting frameworks, coordination and management activities and actions required for effective site management. The CEMP shall provide information on the following matters:
- a) Construction quality assurance;
 - b) Construction works programming including:
 - (i) An outline construction programme;
 - (ii) Confirmation of the proposed staging and sequence of construction;
 - c) Site management; and
 - d) Consultation and communications, including the methods for communicating and consulting with the adjacent or affected parties.
- B8. All personnel working on the site shall be made aware of the requirements contained in the CEMP. A copy of the certified CEMP shall be held on the site at all times while any activity associated with construction is occurring. The certified CEMP shall be implemented and maintained throughout the entire period of the works.

Construction Quality Assurance

- B9. This part of the CEMP requires the establishment of management frameworks, systems and procedures to ensure quality management of all on-site construction activities and compliance with the conditions of this designation. This section shall provide details on the following:
- a) Contact details of the contractor's site supervisor or project manager and the Requiring Authority's Project Liaison Person (phone, postal address, email address);
 - b) Confirmation of the construction methodology, including for permanent and temporary structures;

- c) Methods and systems to inform and train all persons working on the site of potential environmental issues and how to avoid, remedy, or mitigate any potential adverse effects;
- d) Procedures for ensuring that residents, businesses, network utility operators and road users in the immediate vicinity of construction areas are given prior notice of the Commencement of Construction and are informed about the expected duration and effects of the work;
- e) Procedures for responding to, recording and reporting complaints about construction activities;
- f) Means of providing for the health and safety of the general public;
- g) Measures to be adopted to maintain the land affected by the works in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of construction materials and similar construction activities;
- h) Procedures for controlling sediment run-off, dust and the removal of soil, debris, demolition and construction materials (if any) from public roads or places adjacent to the work site/s;
- i) Measures to manage the potential impacts of construction lighting on residents and on local fauna;
- j) Procedures for the refuelling, cleaning, maintenance and storage of plant and equipment, and measures to avoid discharges of contaminants from these activities;
- k) Measures to address the storage of fuels, lubricants, hazardous and/or dangerous materials, along with contingency procedures to address emergency spill response(s) and clean up;
- l) Procedures for incident management, monitoring and reporting including review and corrective and preventative action;
- m) Site clean-up following completion of works, including removal of construction materials, temporary structures;
- n) Maintenance of plant in a good state of repair so as not to produce excessive fumes or leakage of contaminants when parked or in operation; and
- o) Measures to monitor and minimise discharges of dust so that any offensive or objectionable effects are immediately identified and are mitigated.
- p) Measures for arranging the washing of habitable buildings at the properties of 10 and 36 Old Pine Valley Road during Stage 1 works, subject to approval from landowners and occupiers, involving:

- (i) Monthly external washing of roof and gutter areas servicing potable water tanks during NoR1 Stage 1 construction work;
- (ii) Complete external house washing every 6 months during NoR1 Stage 1 construction works. The house washing shall include every habitable building as existing at 3 November 2020, commencing within 6 months of the start of NoR1 Stage 1 construction works and be undertaken at no less than 6 monthly intervals, with a final wash following the completion of the NoR1 Stage 1 construction works.

Construction Works Programme

B10. This part of the CEMP is to ensure that the requiring authority has prepared a Stage 1 programme of works that will enable the Infrastructure and all other associated land based works, to be constructed in a manner that is timely, adequately co-ordinated and minimises the adverse effects of construction. This section shall, among other matters, provide details of the Stage 1 programme for the construction works.

Construction Noise and Vibration Management Plan

B11. The requiring authority shall prepare a Construction Noise and Vibration Management Plan (CNVMP) for the proposed works. At least five (5) working days prior to Commencement of Construction, the Requiring Authority shall submit the CNVMP to the Council (Team Leader North West Monitoring) for certification that the CNVMP gives effect to the objectives in Condition B12 and complies with the requirements in Condition B13.

B12. The objectives of the CNVMP are to:

- a) Identify and implement the Best Practicable Option (BPO) for the management of all construction noise and vibration effects;
- b) Define the procedures to be followed where the noise and vibration standards (Conditions B14 & B15) are not met (following the implementation of the BPO);
- c) Set out the methods for scheduling works to minimise disruption; and
- d) Ensure engagement with affected receivers and timely management of complaints.

B13. The CNVMP shall include:

- a) A description of the works;
- b) Hours of operation, including a specific section on works at night (2230h - 0700h), incorporating clear definitions of the works undertaken at night (if any);
- c) Contact details for staff responsible for implementation of the CNVMP;

- d) The construction noise and vibration performance standards for the project;
- e) General construction practices, management and mitigation;
- f) Minimum separation distances from receivers for plant and machinery where compliance with the construction noise and vibration standards is achieved;
- g) Identification of affected sensitive receivers where noise and vibration performance standards apply;
- h) A specific section setting out the predicted noise and/or vibration levels, mitigation, monitoring and management measures (including communication with stakeholders and use of temporary noise barriers) that will be adopted for works which cannot comply with the project standards specified in Conditions B14 and B15; and
- i) A communication, consultation and complaints response protocol including specific provisions for determining the times that receivers are sensitive to noise and vibration and the extent to which high noise and vibration works can be scheduled around those times where practicable (including residential activities).

B14. Construction noise shall be measured and assessed in accordance with the provisions of New Zealand Standard NZS 6803: 1999 "Acoustics - Construction Noise" and comply with the following Project Standards unless otherwise provided for in any CNVMP (refer Condition 13):

Time of Week	Time Period (hrs)	Noise Limits	
		dB LAeq	dB LAFmax
Building with activities sensitive to noise			
Weekdays	0630 – 0730	55	70
	0730 – 1800	70	85
	1800 – 2000	65	80
	2000 – 0630	40	70
Saturdays	0730 – 1800	70	85
	1800 – 0730	40	70
Sundays and public holidays	0730 – 1800	50	80
	1800 – 0730	40	70
Building with all other activities			
All days	0730 – 1800	70	-
	1800 – 0730	75	-

Advice Note

The CNVMP required by B11 authorises noise levels exceeding those set out in condition B14. The noise limits applying in condition B14 that apply between 1800 and 0730 on any day may only be exceeded by works that cannot be

completed between 0730 and 1800 for practical reasons related to avoiding unreasonable traffic congestion during the day, or similar. These noise limits may not be exceeded for reasons related to shortening the construction timeframe or for making up lost time.

B15. Where practical, construction vibration must comply with the vibration limits set out in the following Table A.

Table A – Construction Vibration Standards – Amenity:

Receiver	Time	Peak Particle Velocity Limit millimetres/second
Occupied activities sensitive to vibration*	2200h-0700h	0.3mm/s PPV
	0700h-2200h	2mm/s PPV
Other occupied buildings	All times	2mm/s PPV

*Any dwelling, visitor accommodation, boarding house, marae, papakāinga, integrated residential development, retirement village, supported residential care, care centres, lecture theatres in tertiary education facilities, classrooms in education facilities and healthcare facilities with an overnight stay facility.

- a) Where compliance is not achievable following the adoption of the Best Practicable Option, the process in B15 b) must be applied. Construction vibration shall be measured and assessed in accordance with DIN4150-3:1999.
- b) If measured or predicted vibration from construction activities exceeds the limits of Table A, the Requiring Authority shall consult with the affected receivers to:
 - (i) Discuss the nature of the work and the anticipated days and hours when the exceedances are likely to occur; and
 - (ii) Determine whether the exceedances could be timed or managed to reduce the effects on the receiver.

The Requiring Authority shall maintain a record of these discussions and make them available to the Council on its request.

B16. Construction vibration must comply with the vibration limits set out in the following Table B at all buildings and at all times.

Table B – Construction Vibration Standards – Building Damage

Type of Structure	Short-term Vibration*			Long-term Vibration
	Peak particle velocity (PPV) on foundation, mm/s			PPV at horizontal plane of highest floor at all frequencies
	1 Hz-10 Hz	10 Hz-50Hz	50Hz-100 Hz	PPV at horizontal plane of highest floor at all frequencies

<u>Building used for commercial purposes, industrial buildings</u>	<u>20 mm/s</u>	<u>20-40 mm/s</u>	<u>40-50 mm/s</u>	<u>40 mm/s</u>	<u>10 mm/s</u>
<u>Dwellings and buildings of similar design and/or occupancy</u>	<u>5 mm/s</u>	<u>5-15 mm/s</u>	<u>15-20 mm/s</u>	<u>15 mm/s</u>	<u>5 mm/s</u>
<u>Structures that, because of their particular sensitivity to vibration, cannot be classified under the above two rows and are of great intrinsic value</u>	<u>3 mm/s</u>	<u>3-8 mm/s</u>	<u>8-10 mm/s</u>	<u>8 mm/s</u>	<u>2.5 mm/s</u>

*Vibration that does not occur often enough to cause material fatigue and whose development over time and duration is not suitable for producing a significant increase in vibration due to resonance in the particular structure.

Accidental Discovery Condition

B17. The accidental discovery rules in the Auckland Unitary Plan: Operative in Part apply for the discovery of sensitive material, including human remains and kōiwi, archaeological sites, Maori cultural artefacts/taonga tūturu and lava caves greater than 1 m in diameter.

Traffic Management Plan

B18. The requiring authority shall prepare a Construction Traffic Management Plan (CTMP). At least twenty (20) working days prior to commencement of construction, the Requiring Authority shall submit the CTMP to the Team Leader North West Monitoring for certification that the CTMP gives effect to the objectives in Condition B19 and complies with the requirements in Condition B20.

B19. The objectives of the CTMP are to:

- a) Provide for the safety of everyone at all times;
- b) Ensure best practicable measures are undertaken to maintain access at all times to/from adjacent properties;
- c) Minimise disruption from construction traffic on occupants of adjacent properties;
- d) Provide for prior engagement with stakeholders when access to properties will be affected by construction traffic; and
- e) Provide a mechanism for addressing queries and responding to complaints.

B20. The CTMP shall include:

- a) For each Project stage and/or construction area, the traffic management measures that will be required to be implemented;

- b) A mechanism and nominated stakeholder manager who is responsible for receiving, addressing and monitoring queries and responding to complaints in relation to the construction works;
- c) Provision of appropriate ingress and egress routes to/from the site for the construction vehicles, including confirmation of appropriate heavy vehicles layover areas and over-dimensional vehicle routes. The operation of the heavy vehicles layover area shall not impede the travel of passing vehicles and cyclists;
- d) Confirmation of typical numbers of heavy vehicle movements throughout the day;
- e) Restriction on parking for workers on construction sites, with parking prioritised for minor trades (i.e. those needing to bring tools for specialist activities), car/van pooling, staff working outside standard hours and mobility impaired staff/visitors;
- f) Restriction on heavy vehicle movements/deliveries to and from the construction sites on weekdays (excluding public holidays) between 7am and 9am and between 4pm and 6pm unless included as part of a CTMP; and
- g) Processes for monitoring, and to enable review and amendment to the CTMP.

10 Old Pine Valley Road - Landscaping and Management Plan

B21. The Requiring Authority shall prepare a Landscaping and Management Plan (LMP) for replacement planting of the Temporary Occupation areas within the land identified as Pt Lot 5 DP 136559 and Sec 8 SO 315843 at 10 Old Pine Valley Road unless an alternative solution is otherwise agreed between the Requiring Authority and the landowner of 10 Old Pine Valley Road. The Requiring Authority shall submit the LMP to the Team Leader North West Monitoring for certification that the LMP gives effect to the objectives in Condition B22 and complies with the requirements in Condition B23.

B22. The objectives of the LMP are to:

- a) Provide replacement planting to mitigate the adverse effects on the visual amenity of the road from occupants of the land at 10 Old Pine Valley Road (Pt Lot 5 DP 136559, Sec 7 SO 315843 and Sec 8 SO 315843.);
- b) Ensure that batter slopes within the land identified as Pt Lot 5 DP 136559 and Sec 8 SO 315843 at 10 Old Pine Valley Road are planted with low maintenance planting to avoid the need for mowing of grass on batter slopes greater than 1:4;
- c) Ensure appropriate finishing to a minimum of a grassed surface to all other Temporary Occupation areas within the land identified as Pt Lot 5 DP

136559, Sec 7 SO 315843 and Sec 8 SO 315843 at 10 Old Pine Valley Road; and

- d) Ensure "like for like" replacement fencing is provided

B23. The LMP shall include:

- a) A plan of the planted area detailing the proposed plant species, plant sourcing, plant sizes at time of planting, plant locations, density of planting, and timing of planting;
- b) The provision of replacement planting for all trees removed from the Temporary Land Occupation areas within the property at a number no less than three (3) PB40 size or greater plants for every plant greater than 1m in height;
- c) A programme of establishment and post establishment protection and maintenance (fertilising, weed removal/spraying, replacement of dead/poorly performing plants, watering to maintain soil moisture), incorporating a post planting maintenance programme of no less than two (2) years; and
- d) The provision of replacement fencing where removed as a result of the project along newly formed boundaries to a standard of a seven (7) wire post and batten fence.

B24. Subject to approval from the landowner the planting must be:

- a) undertaken within the first planting season (May to September) following the completion of the occupation period
- b) fully implemented in accordance with the certified LMP; and
- c) maintained for the duration of ~~five~~two years in accordance with the provisions of the certified LMP.

In the event that the landowner declines a reasonable request for access to implement the certified LMP, the requirement for the Requiring Authority to undertake the works in accordance with the certified LMP does not apply.

36 Old Pine Valley Road - Stock Yards, Stock Loading Ramp and Stock Truck Access ~~and Tree Removal~~

B25. The Requiring Authority shall prepare a Stock Yard and Access Plan (SYAP) for the land at 36 Old Pine Valley Road unless an alternative solution is otherwise agreed between the Requiring Authority and the landowner of 36 Old Pine Valley Road. The Requiring Authority shall submit the SYAP to the Council (Team Leader North West Monitoring) for certification that the SYAP gives effect to the objectives in Condition B26 and complies with the requirements in Conditions B27.

B26. The objectives of the SYAP are to:

~~a) Ensure provision of upgraded or relocated access so that all parts of the property can be accessed safely and efficiently. This shall include provision of safe access to or relocation of the existing cattle loading ramp.~~

b)a) Ensure provisions for stock loading and unloading are available for the continued operation of the land for livestock farming use;

e)b) Ensure that provisions for stock loading and unloading, including vehicle access crossing and gate are safe

B27. The SYAP shall include:

a) Details of how a new stock yard, stock ramp and associated stock truck access will be provided to the "main parcel" of land at 36 Old Pine Valley Road.

b) Details of the changes proposed to reposition the existing stock yard and stock ramp on the "severance parcel" of the land at 36 Old Pine Valley Road.

B28. Subject to agreement from the landowner to undertake the works, the certified SYAP must be fully implemented prior to the commencement of construction.

In the event that the landowner declines a reasonable request for access to implement the certified SYAP, the requirement for the Requiring Authority to undertake the works in accordance with the certified SYAP does not apply.

~~B29. Prior to the removal of poplar trees from 36 Old Pine Valley Road, the potential impact of the removal of the poplar trees to the 'fence trees' lining the eastern boundary of the property shall be assessed by an arborist. If significant health and safety risk is identified and subject to the landowner's re-confirmation, the 'fence trees' shall be removed at the same time as the poplar trees.~~

C. Designation 2 Conditions (NoR2)

General conditions

C1. This designation will lapse 15 years from being operative in the Auckland Unitary Plan: Operative in Part unless:

- a) It is given effect to before the end of that period; or
- b) The territorial authority resolves that the Requiring Authority has made, and is continuing to make, substantial progress or effort towards giving effect to the designation and fixes a longer period to give effect to the designation.

C2. The scope and extent of the Stage 1 works (including the horizontal and vertical alignment of the carriageway) within the designation shall be generally in accordance with the updated Revision G set of plans contained in Appendix

E of the Notice of Requirement dated 16/04/2021, unless an outline plan is submitted under section 176A(1) of the Resource Management Act 1991.

- C3. Stage 2 works will require the submission of an Outline Plan under section 176A(1) of the Resource Management Act 1991 unless not required in accordance with section 176A(2)(a) or (c) of the Resource Management Act 1991.

Construction Environmental Management Plan

- C4. The Requiring Authority shall prepare a Construction Environmental Management Plan (CEMP) for the works. The Requiring Authority shall submit the CEMP to the Council (Team Leader North West Monitoring) for certification that the CEMP gives effect to the objectives in Condition C5 and complies with the requirements in Conditions C6 to C8.

- C5. The objectives of the CEMP are to:

- a) Ensure that the construction works remain within the limits and standards approved under the designation and identify construction methods to be undertaken in order to avoid, remedy or mitigate potential adverse effects arising from construction activities; and
- b) Give effect to the objectives in the management plans listed in Condition C6.

- C6. The CEMP shall incorporate or refer to the following management plans and documents:

- a) Construction Noise and Vibration Management Plan (CNVMP);
- b) Earthworks Management Plan;
- c) Accidental Discovery Protocol; and
- d) Construction Traffic Management Plan (CTMP).

- C7. The CEMP shall provide details of the responsibilities, reporting frameworks, coordination and management required for effective site management. The CEMP shall provide information on the following matters:

- a) Construction quality assurance;
- b) Construction works programming including:
 - (i) An outline construction programme; and
 - (ii) Confirmation of the proposed staging and sequence of construction;
- c) Site management; and
- d) Consultation and communications, including the methods for communicating and consulting with the adjacent or affected parties.

- C8. All personnel working on the site shall be made aware of the requirements contained in the CEMP. A copy of the certified CEMP shall be held on the site at all times while any activity associated with construction is occurring. The certified CEMP shall be implemented and maintained throughout the entire period of the works.

Construction Quality Assurance

- C9. This part of the CEMP requires the establishment of management frameworks, systems and procedures to ensure quality management of all on-site construction activities and compliance with the conditions of this designation. This section shall provide details on the following:
- a) Contact details of the contractor's site supervisor or project manager and the Requiring Authority's Project Liaison Person (phone, postal address, email address);
 - b) Confirmation of the construction methodology, including for permanent and temporary structures;
 - c) Methods and systems to inform and train all persons working on the site of potential environmental issues and how to avoid, remedy, or mitigate any potential adverse effects;
 - d) Procedures for ensuring that residents, businesses, network utility operators and road users in the immediate vicinity of construction areas are given prior notice of the Commencement of Construction and are informed about the expected duration and effects of the work;
 - e) Procedures for responding to, recording and reporting complaints about construction activities;
 - f) Means of providing for the health and safety of the general public;
 - g) Measures to be adopted to maintain the land affected by the works in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of construction materials and similar construction activities;
 - h) Procedures for controlling sediment run-off, dust and the removal of soil, debris, demolition and construction materials (if any) from public roads or places adjacent to the work site/s;
 - i) Measures to manage the potential impacts of construction lighting on residents and on local fauna;
 - j) Procedures for the refuelling, cleaning, maintenance and storage of plant and equipment, and measures to avoid discharges of contaminants from these activities;
 - k) Measures to address the storage of fuels, lubricants, hazardous and/or dangerous materials, along with contingency procedures to address emergency spill response(s) and clean up;

- l) Procedures for incident management, monitoring and reporting including review and corrective and preventative action;
- m) Site clean-up following completion of works, including removal of construction materials, temporary structures;
- n) Maintenance of plant in a good state of repair so as not to produce excessive fumes or leakage of contaminants when parked or in operation; and
- o) Measures to monitor and minimise discharges of dust so that any offensive or objectionable effects are immediately identified and are mitigated.

Construction Works Programme

C10. This part of the CEMP is to ensure that the requiring authority has prepared a Stage 1 programme of works that will enable the Infrastructure and all other associated land based works, to be constructed in a manner that is timely, adequately co-ordinated and minimises the adverse effects of construction. This section shall, among other matters, provide details of the Stage 1 programme for the construction works.

Construction Noise and Vibration Management Plan

C11. The requiring authority shall prepare a Construction Noise and Vibration Management Plan (CNVMP) for the proposed works. At least five (5) working days prior to Commencement of Construction, the Requiring Authority shall submit the CNVMP to the Council (Team Leader North West Monitoring) for certification that the CNVMP gives effect to the objectives in Condition C12 and complies with the requirements in Condition C13.

C12. The objectives of the CNVMP are to:

- a) Identify and implement the Best Practicable Option (BPO) for the management of all construction noise and vibration effects;
- b) Define the procedures to be followed where the noise and vibration standards (Conditions C14 & C15) are not met (following the implementation of the BPO);
- c) Set out the methods for scheduling works to minimise disruption; and
- d) Ensure engagement with affected receivers and timely management of complaints.

C13. The CNVMP shall include:

- a) A description of the works;

- b) Hours of operation, including a specific section on works at night (2230h - 0700h), incorporating clear definitions of the works undertaken at night (if any);
- c) Contact details for staff responsible for implementation of the CNVMP;
- d) The construction noise and vibration performance standards for the project;
- e) General construction practices, management and mitigation;
- f) Minimum separation distances from receivers for plant and machinery where compliance with the construction noise and vibration standards is achieved;
- g) Identification of affected sensitive receivers where noise and vibration performance standards apply;
- h) A specific section setting out the predicted noise and/or vibration levels, mitigation, monitoring and management measures (including communication with stakeholders and use of temporary noise barriers) that will be adopted for works which cannot comply with the project standards specified in Conditions C14 and C15; and
- i) A communication, consultation and complaints response protocol including specific provisions for determining the times that receivers are sensitive to noise and vibration and the extent to which high noise and vibration works can be scheduled around those times where practicable (including residential activities).

C14. Construction noise shall be measured and assessed in accordance with the provisions of New Zealand Standard NZS 6803: 1999 "Acoustics - Construction Noise" and comply with the following Project Standards unless otherwise provided for in any CNVMP (refer Condition 14):

Time of Week	Time Period (hrs)	Noise Limits	
		dB L _{Aeq}	dB L _{AFmax}
Building with activities sensitive to noise			
Weekdays	0630 – 0730	55	70
	0730 – 1800	70	85
	1800 – 2000	65	80
	2000 – 0630	40	70
Saturdays	0730 – 1800	70	85
	1800 – 0730	40	70
Sundays and public holidays	0730 – 1800	50	80
	1800 – 0730	40	70
Building with all other activities			
All days	0730 – 1800	70	-
	1800 – 0730	75	-

Advice Note

The CNVMP required by C11 authorises noise levels exceeding those set out in condition C14. The noise limits applying in condition C14 that apply between 1800 and 0730 on any day may only be exceeded by works that cannot be completed between 0730 and 1800 for practical reasons related to avoiding unreasonable traffic congestion during the day, or similar. These noise limits may not be exceeded for reasons related to shortening the construction timeframe or for making up lost time.

C15. Where practical, construction vibration must comply with the vibration limits set out in the following Table A.

Table A – Construction Vibration Standards – Amenity:

Receiver	Time	Peak Particle Velocity Limit millimetres/second
Occupied activities sensitive to noise*	2200h-0700h	0.3mm/s PPV
	0700h-2200h	2mm/s PPV
Other occupied buildings	All times	2mm/s PPV

*Any dwelling, visitor accommodation, boarding house, marae, papakāinga, integrated residential development, retirement village, supported residential care, care centres, lecture theatres in tertiary education facilities, classrooms in education facilities and healthcare facilities with an overnight stay facility.

- a) Where compliance is not achievable following the adoption of the Best Practicable Option, the process in C15 b) must be applied. Construction vibration shall be measured and assessed in accordance with DIN4150-3:1999.
- b) If measured or predicted vibration from construction activities exceeds the limits of Table A, the Requiring Authority shall consult with the affected receivers to:
 - (i) Discuss the nature of the work and the anticipated days and hours when the exceedances are likely to occur; and
 - (ii) Determine whether the exceedances could be timed or managed to reduce the effects on the receiver.

The Requiring Authority shall maintain a record of these discussions and make them available to the Council on its request.

C16. Construction vibration must comply with the vibration limits set out in the following Table B at all buildings and at all times.

Table B – Construction Vibration Standards – Building Damage

Type of Structure	Short-term Vibration*			Long-term Vibration	
	Peak particle velocity (PPV) on foundation, mm/s			PPV at horizontal plane of highest floor at all frequencies	PPV at horizontal plane of highest floor at all frequencies
	1 Hz-10 Hz	10 Hz-50Hz	50Hz-100 Hz		
Building used for commercial purposes, industrial buildings	20 mm/s	20-40 mm/s	40-50 mm/s	40 mm/s	10 mm/s
Dwellings and buildings of similar design and/or occupancy	5 mm/s	5-15 mm/s	15-20 mm/s	15 mm/s	5 mm/s
Structures that, because of their particular sensitivity to vibration, cannot be classified under the above two rows and are of great intrinsic value	3 mm/s	3-8 mm/s	8-10 mm/s	8 mm/s	2.5 mm/s

*Vibration that does not occur often enough to cause material fatigue and whose development over time and duration is not suitable for producing a significant increase in vibration due to resonance in the particular structure.

Accidental Discovery Condition

C17. The accidental discovery rules in the Auckland Unitary Plan: Operative in Part apply for the discovery of sensitive material, including human remains and kōiwi, archaeological sites, Maori cultural artefacts/taonga tūturu and lava caves greater than 1 m in diameter.

Traffic Management Plan

C18. The requiring authority shall prepare a Construction Traffic Management Plan (CTMP). At least twenty (20) working days prior to commencement of construction, the Requiring Authority shall submit the CTMP to the Council (Team Leader North West Monitoring) for certification that the CTMP gives effect to the objectives in Condition C19 and complies with the requirements in Condition C20.

C19. The objectives of the CTMP are to:

- a) Provide for the safety of everyone at all times;
- b) Ensure best practicable measures are undertaken to maintain access at all times to/from adjacent properties;
- c) Minimise disruption from construction traffic on occupants of adjacent properties;
- d) Provide for prior engagement with stakeholders when access to properties will be affected by construction traffic; and
- e) Provide a mechanism for addressing queries and responding to complaints.

C20. The CTMP shall include:

- a) For each Project stage and/or construction area, the traffic management measures that will be required to be implemented;
- b) A mechanism and nominated stakeholder manager who is responsible for receiving, addressing and monitoring queries and responding to complaints in relation to the construction works;
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- d) Confirmation of typical numbers of heavy vehicle movements throughout the day;
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- f) Restrictions on heavy vehicle movements/ deliveries to and from the construction sites on weekdays (excluding public holidays) between 7am and 9am and between 4pm and 6pm unless included as part of a CTMP; and
- g) Processes for monitoring, and to enable review and amendment to the CTMP.