

## **A. Conditions applying to all Designations and Consents**

### **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 consent 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) "consent holder" 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 Waiohū
  - (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 Waiohū - Te Ākitai Waiohū 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 to A7 below shall apply to all Management Plans required by these conditions.

A3. Management Plans shall be submitted to the 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 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.

*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 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/Consent Holder 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 Team Leader North West Monitoring in writing prior to implementation of the change, unless 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.

A7. Any changes to a certified/deemed certified Management Plan involving a materially different outcome under Condition A6 shall be submitted to the 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 and consents. 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 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 plans contained in Appendix E of the Notice of Requirement dated < > 2020, unless an outline plan of works is submitted under section 176A(1) of the Resource Management Act 1991.
- B3. Stage 2 works will require the submission of an outline plan of works 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 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 consent holder'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

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 coordinated 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 consent holder shall submit the CNVMP to the 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.
- 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	
		L <sub>Aeq</sub>	dB L <sub>AFmax</sub>
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 holidays	0730 – 1800 public	50	80
	1800 – 0730	40	70
Building with all other activities			
All days	0730 – 1800	70	-
	1800 – 0730	75	-

- B15. Vibration arising from construction activities which may affect people and buildings shall be measured in accordance with ISO 4866:2010 Mechanical vibration and shock - Vibration of fixed structures - Guidelines for the measurement of vibrations and evaluation of their effects on structures, and shall comply with the vibration standards in the table below:

Receiver	Time	Peak Particle Velocity Limit millimetres/second
Occupied dwellings	2000h-0700h	0.3mm/s PPV
	0700h-2200h	2mm/s PPV
Other occupied buildings	All times	2mm/s PPV

## Accidental Discovery Condition

- B16. 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

B17. The requiring authority shall prepare a Construction Traffic Management Plan (CTMP). At least twenty (20) working days prior to commencement of construction, the consent holder shall submit the CTMP to the Team Leader North West Monitoring for certification that the CTMP gives effect to the objectives in Condition B18 and complies with the requirements in Condition B19.

B18. 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 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.

B19. 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.

## **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 plans contained in Appendix E of the Notice of Requirement dated < > 2020, unless an outline plan of works is submitted under section 176A(1) of the Resource Management Act 1991.
- C3. Stage 2 works will require the submission of an Outline Plan of Works 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.

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- 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:
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- a) Contact details of the contractor's site supervisor or project manager and the consent holder's Project Liaison Person (phone, postal address, email address);
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	0730 – 1800	70	85
	1800 – 2000	65	80
	2000 – 0630	40	70
Saturdays	0730 – 1800	70	85
	1800 – 0730	40	70
Sundays and holidays	0730 – 1800 public	50	80
	1800 – 0730	40	70
Building with all other activities			
All days	0730 – 1800	70	-
	1800 – 0730	75	-

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	0700h-2200h	2mm/s PPV
Other occupied buildings	All times	2mm/s PPV

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- a) Provide for the safety of everyone at all times;
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- 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.

C19. 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.

## **D. Streamworks – Section 13 Land Use Consent and Water Permit Conditions**

### **Seasonal Restriction**

- D1. No streamworks on the site shall be undertaken between 1 May and 30 September in any year, without the prior written approval of the Auckland Council Team Leader North West Monitoring.

### **Native Fish Capture and Relocation Plan**

- D2. The consent holder shall prepare a Native Fish Capture and Relocation Plan. At least twenty (20) working days prior to commencement of construction, the consent holder shall submit the Native Fish Capture and Relocation Plan to the Team Leader North West Monitoring for certification that the Native Fish Capture and Relocation Plan gives effect to the objectives in Condition D3 and complies with the requirements in Condition D4.
- D3. The objectives of the Native Fish Capture and Relocation Plan are to detail how native fish will be captured and relocated prior to reclamation and dewatering of the stream, or culverting of any other waterbodies.
- D4. The Native Fish Capture and Relocation Plan shall include:
  - a) Methodologies to capture fish;
  - b) Details of the qualified ecologist to undertake the capture and relocation and to be present on site during dewatering to rescue and relocate any remaining fish present;
  - c) Details of the relocation site;
  - d) Storage and transport measures including prevention of predation and death during capture; and
  - e) Euthanasia methods for diseased or pest species.

### **Stream dewatering**

- D5. Stream dewatering shall only be carried out after native fish capture and relocation has been undertaken in accordance with the certified Native Fish Capture and Relocation Plan.
- D6. Any pumps used to divert or dewater the streams shall contain a screen to prevent fish from entering the pump.



## Streamworks methodology

D7. The consent holder shall prepare a Streamworks Methodology. At least twenty (20) working days prior to Commencement of Construction, the consent holder shall submit the Streamworks Methodology to the Team Leader North West Monitoring for certification that the Streamworks Methodology gives effect to the objectives in Condition D8 and complies with the requirements in Condition D9. The Streamworks Methodology shall be in general accordance with the Draft Streamworks Methodology included in Appendix 3 of the Milldale Argent Lane Extension Ecological Assessment of Effects prepared by Epoch Ecology and dated 25 September 2020.

D8. The objectives of the Streamworks Methodology are to ensure that works to divert the stream will minimise the damage to the ecology of the stream.

D9. The Streamworks Methodology shall include:

- a) Methods of temporary damming of the stream;
- b) Methods of dewatering;
- c) The method for diversion of the watercourse;
- d) Details of installation of new structures;
- e) Details of the locations that machinery will operate from to ensure that no machinery shall enter the wetted cross section of the bed of any stream; and
- f) Details of how all exposed work areas associated with the stream works, including the banks of the stream and any adjacent overland surface flow paths (for normal flows at the time of year the works are undertaken) are stabilised at the end of each construction day.

D10. The consent holder shall prepare an Ecological Offsetting Plan and consult with Mana whenua on the locations of the rehabilitation sites. The consent holder shall take into account the feedback received from Mana whenua and where practicable give preference to those rehabilitation sites preferred. Within twelve (12) months of the commencement of the consent, the consent holder shall submit the Ecological Offsetting Plan to the Team Leader North West Monitoring for certification that the Ecological Offsetting Plan gives effect to the objectives in Condition D11 and complies with the requirements in Condition D12.

D11. The objectives of the Ecological Offsetting Plan are to ensure suitable rehabilitation of degraded offsite stream(s) and wetland(s) is undertaken to mitigate the ecological impact of the loss of stream and wetland areas due to the development;

D12. The Ecological Offsetting Plan shall include:

- a) Details of the location of the rehabilitation site;

- b) Details of an agreement with the landowner to undertake rehabilitation works on the sites;
- c) Plan of areas of stream(s) and wetland(s) to be rehabilitated, including:
  - (i) Details of the minimum of 62m of continuous stream length for restoration; and
  - (ii) Details of the minimum 3620m<sup>2</sup> of contiguous wetland for restoration.
- d) A Planting Plan that:
  - (i) Is prepared by a suitably qualified landscape architect;
  - (ii) Shows all planting including details of intended species, location, plant sizes at time of planting and likely heights on maturity;
  - (iii) Includes planting methodology;
  - (iv) Ensures the planting be maintained in accordance with correct arboricultural practices for a minimum period of two (2) years after planting; and
  - (v) Provides for any replacement or transplanted tree that dies within the two (2) year maintenance period to be replaced like-for-like.
- e) Details of consultation with Mana Whenua.

## **E. Stormwater - Water and Discharge Permit Conditions**

### **Expiry Date**

- E1. The stormwater diversion and discharge permit shall expire on **<date to be inserted by Council 35 years from decision date>** unless it has lapsed, been surrendered or been cancelled at an earlier date pursuant to the Resource Management Act 1991.

### **Stormwater management works**

- E2. Stormwater management works shall be constructed in accordance with the details in the Proposed Stormwater Management Report dated 24 September 2020 and included in Appendix K of the application report, and shall be completed prior to discharges commencing from the site.

## **Planting and Maintenance Plan**

- E3. The consent holder shall prepare a Planting and Maintenance Plan for rain garden planting. At least twenty (20) working days prior to commencement of planting, the consent holder shall submit the Planting and Maintenance Plan to the Team Leader North West Monitoring for certification that the Planting and Maintenance Plan gives effect to the objectives in Condition E4 and complies with the requirements in Condition E5.
- E4. The objectives of the Planting and Maintenance Plan are to:
- a) Ensure that proposed planting undertaken is of appropriate species, location, and spacing to provide for the intended function of the planting and avoid impact on the operation of the transport network; and
  - b) Ensure that the planting is appropriately established and maintained to ensure viability of the planting.
- E5. The Planting and Maintenance Plan shall:
- a) Show all planting including details of intended species, location, plant sizes at time of planting and likely heights on maturity;
  - b) Ensure that selected species can maintain appropriate separation distances from paths, roads, streetlights, and vehicle crossings in accordance with the Auckland Transport roadside bioretention planting guide;
  - c) Include planting methodology;
  - d) Ensure the planting be maintained in accordance with correct arboricultural practices for a minimum period of 2 years after planting; and
  - e) Provide for any replacement or transplanted tree that dies within the 2 year maintenance period to be replaced like-for-like.
- E6. All planting shall be undertaken in accordance with the certified Planting and Maintenance Plan within the first Planting Season of the completion of the sealing of new road surfaces.

## **Operation and maintenance plan**

- E7. The consent holder shall prepare an Operation and Maintenance Plan. At least ten (10) working days prior to the operation of the stormwater management devices, the consent holder shall submit the Operation and Maintenance Plan to the Team Leader North West Monitoring for certification that the Operation and Maintenance Plan gives effect to the objectives in Condition E8 and complies with the requirements in Condition E9.
- E8. The Operation and Maintenance Plan shall set out how the stormwater management system is to be operated and maintained to ensure that adverse environmental effects are minimised.

E9. The Operation and Maintenance Plan shall include:

- a) Details of who will hold responsibility for long-term maintenance of the stormwater management system and the organisational structure which will support this process;
- b) A programme for regular maintenance and inspection of the stormwater management system;
- c) A programme for the collection and disposal of debris and sediment collected by the stormwater management devices or practices;
- d) A programme for post storm inspection and maintenance;
- e) A programme for inspection and maintenance of the outfall; and
- f) General inspection checklists for all aspects of the stormwater management system, including visual checks.

E10. The stormwater management system shall be managed in accordance with the approved Operation and Maintenance Plan.

## **F. Earthworks – Section 9(2) Land Use Conditions**

F1. The earthworks hereby approved by this consent shall not commence until a designation as detailed in Notice of Requirement reference by Council as < > or Notice of Requirement reference by Council as < > within the applicable area is in place.

### **Seasonal Restriction**

F2. Earthworks within 50m of any watercourse shall not be undertaken between 30 April and 1 October in any year without the prior written approval of the Team Leader North West Monitoring. For any other earthworks proposed between 30 April and 1 October (e.g. adjacent to Dairy Flat Highway), the Erosion and Sediment Control Plan (ESCP) required by condition F2 shall detail specific earthworks management and mitigation measures to be implemented in these areas.

### **Erosion and Sediment Control Plan**

F3. The consent holder shall prepare an ESCP. At least ten (10) working days prior to the commencement of earthworks, the consent holder shall submit the ESCP to the Team Leader North West Monitoring for certification that the ESCP gives effect to the objectives in Condition F4 and complies with the requirements in Condition F5. The ESCP shall be in general accordance with the Draft Erosion and Sediment Control Plan prepared by Mott MacDonald included in Appendix P of the application document titled Argent Lane Extension Indicative Erosion and Sediment Control Plan and dated 20/08/2020.

- F4. Erosion and sediment control measures shall be implemented throughout the construction works. They shall be constructed and maintained so as to operate and perform in accordance with Auckland Council GD2016/005: Erosion Sediment Control Guide for Land Disturbing Activities in the Auckland Region and any amendments to this document, except where a higher standard is detailed in the conditions below in which case the higher standard shall apply.
- F5. The objectives of the ESCP are to:
- a) Minimise potential erosion effects; and
  - b) Minimise discharge of sediment beyond the boundaries of the areas being earthworked and into receiving waters.
- F6. The ESCP shall include but is not limited to, the following information as appropriate to the scale, location and type of earthworks:
- a) Drawings showing location and quantities of earthworks, contour information, catchment boundaries and erosion and sediment controls (location, dimensions, capacity);
  - b) Supporting calculations for erosion and sediment controls;
  - c) Details of construction methods to be employed, including timing and duration;
  - d) Details of the proposed water treatment measures, devices and appropriate trade waste permits (if applicable);
  - e) Specific location of stockpile areas (if applicable);
  - f) Detail of adjacent cesspits to be protected or capped (if applicable);
  - g) A programme for managing exposed area, including progressive stabilisation considerations;
  - h) Roles and responsibilities under the ESCP and identification of those holding roles including the suitably qualified person; and
  - i) Monitoring, maintenance and record-keeping requirements.
- F7. Prior to any earthworks commencing, a certificate signed by an appropriately qualified and experienced person shall be submitted to the Team Leader North West Monitoring, to certify that the erosion and sediment controls have been constructed in accordance with the certified ESCP and Auckland Council Guideline GD2016/005.

## **G. NES – Section 13(2) Land Use Conditions**

- G1. Within twenty (20) working days after the completed installation of the hereby approved new stream culvert the following information must be collected and provided to the Auckland Council Team Leader North West Monitoring, together with the time and date of its collection:

- a) The culvert's asset identification number, if known:
- b) Whether the culvert's ownership is—
  - (i) held by the Crown (for example, the Department of Conservation), a regional council, a territorial authority, Waka Kotahi NZ Transport Agency, or KiwiRail Holdings Limited; or
  - (ii) held publicly by another person or organisation; or
  - (iii) held privately; or (iv) unknown.
- c) The number of barrels that make up the culvert;
- d) The culvert's shape;
- e) The culvert's length;
- f) The culvert's diameter or its width and height;
- g) The height of the drop (if any) from the culvert's outlet;
- h) The length of the undercut or erosion (if any) from the culvert's outlet;
- i) The material from which the culvert is made;
- j) The mean depth of the water through the culvert;
- k) The mean water velocity in the culvert;
- l) Whether there are low-velocity zones downstream of the culvert;
- m) The type of bed substrate that is in most of the culvert;
- n) Whether there are any remediation features (for example, baffles or spat rope) in the culvert;
- o) Whether the culvert has wetted margins;
- p) The slope of the culvert;
- q) The alignment of the culvert;
- r) The numbers of each other type of structure, or of wingwalls or screens, on the culvert;
- s) If there is any apron on the culvert, the following information:
  - (i) the apron's length;
  - (ii) the height of the drop (if any) from the apron's downstream end;
  - (iii) the material from which the apron is made;
  - (iv) the mean depth of the water across the apron; (v) the mean water velocity across the apron; and

- (vi) the type of bed substrate that is across most of the apron.
- t) If there is any ramp on the culvert, the following information:
  - (i) the ramp's length;
  - (ii) the slope of the ramp;
  - (iii) the type of surface that the ramp has;
  - (iv) whether the ramp has wetted margins.

G2. Within twenty (20) working days after the completed installation of the hereby approved new stream culvert the following information must be collected and provided to the Auckland Council Team Leader North West Monitoring, together with the time and date of its collection:

- a) The type of structure:
- b) The geographical co-ordinates of the structure:
- c) The flow of the river or connected area (whether none, low, normal, or high);
- d) Whether the water is tidal at the structure's location;
- e) At the structure's location:
  - (i) the width of the river or connected area at the water's surface; and (ii) the width of the bed of the river or connected area.
- f) Whether there are improvements to the structure to mitigate any effects the structure may have on the passage of fish;
- g) Whether the structure protects particular species, or prevents access by particular species to protect other species;
- h) The likelihood that the structure will impede the passage of fish; and
- i) Visual evidence (for example, photographs) that shows both ends of the structure, viewed upstream and downstream.

- G3. The consent holder shall prepare a Culvert Monitoring and Maintenance Plan that includes:
- a) How the monitoring and maintenance will be done;
  - b) The steps to be taken to avoid any adverse effects on the passage of fish;
  - c) The steps to be taken to ensure that the structure's provision for the passage of fish does not reduce over its lifetime;
  - d) How often the information required by condition G2 must be provided (for the purposes of reassessing the structure's effect on the passage of fish); and
  - e) A process for providing that information.
- G4. The consent holder shall prepare an updated version of the information required in conditions G1 and G2 relating to the culvert structure at the following times:
- a) At the intervals required by the Culvert Monitoring and Maintenance Plan; and
  - b) Each time a significant natural hazard affects the structure.
- G5. The consent holder shall undertake monitoring and maintenance of the culvert structure as required by the Culvert Monitoring and Maintenance Plan, such that is sufficient to ensure that its provision for the passage of fish does not reduce over its lifetime.