

Appendices





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Appendix A

Proposed Conditions



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NOR CONDITIONS

General Conditions

- DC.1 Except as modified by the conditions below, and subject to final design, the Northern Corridor Improvements Project ('**NCI Project**') shall be carried out in general accordance with the General Arrangements Sheets 1 – 10 (250310-3PRE-3DES-DRG-0201-G).
- DC.2 For the avoidance of doubt, none of these conditions prevent or apply to works required for the ongoing operation or maintenance of the NCI Project following construction such as changes to street furniture or signage over time. Depending on the nature of such works, outline plans or outline plan waivers may be required for such works.
- DC.3 The designation shall lapse if not given effect to within seven years from the date on which it is included in the Auckland Unitary Plan ('**AUP**').
- DC.4 As soon as practicable following completion of the construction of the NCI Project, the Requiring Authority shall give notice in accordance with Section 182 of the RMA to the Manager Regional and Local Planning, Auckland Council, for the removal of those parts of the designation that are not required for the long term operation, maintenance and mitigation of effects of the NCI Project.

Traffic noise (operation) (ON)

- ON.1 For the purposes of conditions ON.2 to ON.14:
- a. BPO – means the Best Practicable Option;
 - b. Building-Modification Mitigation – has the same meaning as in NZS 6806:2010 *Acoustics – Road-traffic noise – New and altered roads*;
 - c. Habitable Space – has the same meaning as in NZS 6806;
 - d. Noise Assessment – Means the *Traffic Noise and Vibration Assessment Report* submitted with the NoR;
 - e. Noise Criteria Categories – means the groups of preference for sound levels established in accordance with NZS 6806 when determining the BPO for noise mitigation (i.e. Categories A, B and C);
 - f. NZS 6806 – means New Zealand Standard NZS 6806:2010 *Acoustics – Road-traffic noise – New and altered roads*;
 - g. P40 – means the Transport Agency's NZTA *P40:2014 Specification for noise mitigation*;
 - h. PPFs – means only the premises and facilities identified in green, orange or red in the Noise Assessment; and
 - i. Structural Mitigation – has the same meaning as in NZS 6806.

Structural mitigation

- ON.2 The road-traffic noise mitigation measures identified as the 'Preferred Traffic Noise Mitigation' in Chapter 6 of the *Noise Assessment* must be implemented to achieve the Noise



Criteria Categories indicated in the *Noise Assessment* ('Identified Categories'), where practicable and subject to conditions ON.3 to ON.14.

- ON.3 Prior to construction of the Project, a suitably qualified acoustics specialist must undertake the detailed design of the Structural Mitigation measures in the Noise Assessment (the 'Detailed Mitigation Options'), which, subject to Condition ON.4, must include at least:
- Noise barriers with location, length and height in general accordance with the Noise Assessment; and
 - Low-noise road surfaces with location in general accordance with the Noise Assessment.
- ON.4 If it is not practicable to implement a particular Structural Mitigation measure in the location or the length or height included in the Noise Assessment, a changed design can be included in the Detailed Mitigation Options if either:
- the changed design would result in the same Identified Category at all PPFs, and a suitably qualified person certifies to the Team Leader that the changed Structural Mitigation would be consistent with adopting the BPO in accordance with NZS 6806; or
 - the changed design would result in the Identified Category changing to a less stringent Category, e.g. from Category A to B or Category B to C at any PPF, and the Team Leader confirms that the changed Structural Mitigation would be consistent with adopting the BPO in accordance with NZS 6806.
- ON.5 Prior to construction of the Project, a **Noise Mitigation Plan** prepared in accordance with Transport Agency's *P40 Specification for Noise Mitigation 2014* must be provided to the Team Leader.
- The purpose of the Noise Mitigation Plan is to confirm that the Detailed Mitigation Options meet the requirements of ON.2-ON.4. The Noise Mitigation Plan shall include confirmation that consultation has been undertaken with affected property owners for site specific design requirements and the implementation programme.
- ON.6 The Detailed Mitigation Options must be implemented prior to completion of construction of the Project.
- ON.7 Within twelve months of completion of construction of the Project, a post-construction review report written in accordance with Transport Agency *P40 Specification for Noise Mitigation 2014* must be provided to the Team Leader.
- ON.8 The Detailed Mitigation Options must be maintained so they retain their noise reduction performance as far as practicable.

Building-Modification Mitigation

- ON.9 Prior to construction of the Project, a suitably qualified acoustics specialist must identify those PPFs which, following implementation of all the Detailed Mitigation Options, will receive noise levels above Noise Criteria Category B and where Building-Modification Mitigation might be required to achieve 40 dB $L_{Aeq(24h)}$ inside habitable spaces ('Category C Buildings').
- ON.10 Prior to construction of the Project in the vicinity of each Category C Building, the Requiring Authority must write to the owner of the Category C Building requesting entry to assess the noise reduction performance of the existing building envelope. If the building owner agrees



to entry within twelve months of the date of the Requiring Authority's letter, the Requiring Authority must instruct a suitably qualified acoustics specialist to visit the building and assess the noise reduction performance of the existing building envelope.

- ON.11 For each Category C Building identified, the Requiring Authority is deemed to have complied with condition ON.10 if:
- a. The Requiring Authority's acoustics specialist has visited the building; or
 - b. The building owner agreed to entry, but the Requiring Authority could not gain entry for some reason (such as entry denied by a tenant); or
 - c. The building owner did not agree to entry within twelve months of the date of the Requiring Authority's letter sent in accordance with condition ON.10 (including where the owner did not respond within that period); or
 - d. The building owner cannot, after reasonable enquiry, be found prior to completion of construction of the Project.

If any of (b) to (d) above apply to a Category C Building, the Requiring Authority is not required to implement Building-Modification Mitigation to that building.

- ON.12 Subject to condition ON.11, within six months of the assessment required by condition ON.10, the Requiring Authority must write to the owner of each Category C Building advising:
- a. If Building-Modification Mitigation is required to achieve 40 dB $L_{Aeq(24h)}$ inside habitable spaces; and
 - b. The proposal for Building-Modification Mitigation to the building, if required; and
 - c. That the owner has three months to decide whether to accept Building-Modification Mitigation to the building and to advise which option for Building-Modification Mitigation the owner prefers, if the Requiring Authority has advised that more than one option is available.
- ON.13 Once an agreement on Building-Modification Mitigation is reached between the Requiring Authority and the owner of a Category C Building, the mitigation must be implemented, including any third party authorisations required, in a reasonable and practical timeframe agreed between the Requiring Authority and the owner.
- ON.14 Subject to condition ON.11, where Building-Modification Mitigation is required, the Requiring Authority is deemed to have complied with condition ON.13 if:
- a. The Requiring Authority has completed Building-Modification Mitigation to the building; or
 - b. An alternative agreement for mitigation is reached between the Requiring Authority and the building owner; or
 - c. The building owner did not accept the Requiring Authority's offer to implement Building-Modification Mitigation within three months of the date of the Requiring Authority's letter sent in accordance with condition ON.12 (including where the owner did not respond within that period); or
 - d. The building owner cannot, after reasonable enquiry, be found prior to completion of construction of the Project.



Urban Design and Landscape

- UDL.1 The Transport Agency shall submit an Urban Design and Landscape Plan (UDLP) to the Council as part of the outline plan required under section 176A of the Resource Management Act 1991.
- UDL.2 The purpose of the UDLP is to outline:
- The methods and measures to avoid, remedy and mitigate adverse effects on landscape amenity during the construction phase of the Project;
 - The requirements for the Project's permanent landscape mitigation works; and
 - The maintenance and monitoring requirements.
- UDL.3 The UDLP shall be prepared in accordance with:
- The Transport Agency's Urban Design Guidelines: Bridging the Gap (2013) or any subsequent updated version; and
 - The Transport Agency's P39 Standard Specification for Highway Landscape Treatments, 2013.
- UDL.4 The Corridor Requirements set out in Chapter 5 of the draft Urban Design and Landscape Framework (UDLF) shall be given effect to through the UDLP in relation to the following matters:
- Earthworks contouring including cut and fill batters, benching, and spoil disposal sites, median treatment and roadside treatment;
 - Architectural and landscape treatment of all major structures, including bridges, underpasses, retaining walls and noise walls and barriers;
 - Architectural and landscape treatment of the new structures at Constellation and Albany Bus Stations;
 - Landscape treatment of permanent stormwater management ponds, wetlands and swales; and
 - Pedestrian and cycle facilities including paths, road crossings and dedicated pedestrian/cycle bridges or underpasses.
- UDL.5 The UDLP shall include mitigation planting in general accordance with the requirements of Section 6 of the draft UDLF and shall include the following planting details:
- Identification of vegetation to be retained, protection measures, and planting to be established along cleared edges;
 - Proposed planting including plant species, plant/grass mixes, spacing/densities, sizes (at the time of planting) and layout and planting methods;
 - The staging of planting in relation to the construction programme shall, as far as practicable, include provision for planting within each planting season following completion of works in each stage of the Project and detailed specifications relating to (but not limited to) the following:
 - Weed control and clearance;
 - Pest animal management;
 - Ground preparation (topsoiling and decompaction);
 - Mulching;
 - Plant sourcing and planting, including hydroseeding and grassing; and
 - A maintenance regime including monitoring and reporting requirements, which is to apply for a minimum 2 year period following that planting being undertaken.
- UDL.6 All work shall be carried out in accordance with the UDLP.



- UDL.7 For the purpose of staging works, the Transport Agency may prepare staged or site specific UDLPs. The Transport Agency shall consult with the Council (Team Leader Northern Monitoring) about the need and timing for any site-specific or staged UDLPs.
- UDL.8 The Transport Agency may submit amendments to the UDLP to the Council. Any works in accordance with the amended UDLP shall not commence until the process under section 176A of the Resource Management Act 1991 has been completed in relation to those aspects of the UDLP that are being amended.
- UDL.9 The UDLPs shall be prepared in partnership with the NZ Transport Agency Central Northern Iwi Integration Group. This consultation shall commence at least 30 working days prior to submission of each UDLP to Council. Any comments and inputs received from the Central Northern Iwi Integration Group shall be clearly documented within the UDLP, along with a clear explanation of where any comments or suggestions have not been incorporated and the reasons why.



PROPOSED RESOURCE CONSENT CONDITIONS

General Conditions

These conditions apply to all resource consents.

- RC.1 The works shall be carried out in general accordance with the General Arrangements Sheets 1 – 10 (250310-3PRE-3DES-DRG-0201-G) and all referenced as consent numbers [insert numbers].
- RC.2 Where there is inconsistency between:
- a. The General Arrangements referred to in Condition RC.1 above and these conditions, these conditions shall prevail;
 - b. The General Arrangements referred to in Condition RC.1 and further information presented post lodgement and/or at the Hearing, the most recent information and plans shall prevail.

Lapse date

- RC.3 Under section 125 of the RMA, these consents shall lapse seven years after the date they are granted unless:
- c. The consent is given effect to; or
 - d. The Council extends the period after which the consent lapses.

Site Access

- RC.4 Subject to compliance with the Consent Holder's health and safety requirements and provision of reasonable notice, the servants or agents of the Auckland Council shall be permitted to have access to relevant parts of the construction sites controlled by the Consent Holder at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements and/or to take samples.

Construction Environmental Management Plan (CEMP)

- CEMP.1 At least 20 working days prior to the commencement of the construction works authorised by these resource consents, the Consent Holder shall submit a CEMP for the relevant project stage, or specific construction activity, to the Council (Team Leader Northern Monitoring), to certify compliance and consistency with the conditions of the consent.
- CEMP.2 If the Consent Holder has not received a response from the Council (Team Leader Northern Monitoring) within 20 working days of submitting the CEMP or a site-specific CEMP, the Consent Holder will be deemed to have approval and may commence the construction activity to which the CEMP relates.
- CEMP.3 For the purpose of staging works, the Consent Holder may provide staged or site-specific CEMPs for those works to the Council (Team Leader Northern Monitoring). The Consent Holder shall consult with the Council (Team Leader Northern Monitoring) about the need and timing for any other site-specific or staged CEMPs. The Consent Holder shall provide any required site-specific or staged CEMPs to the



Council (Team Leader Northern Monitoring) to certify compliance and consistency with the conditions of this consent at least 20 working days prior to commencement of the specific stage or site works.

- CEMP.4 Where minor enabling works or isolated works are to be undertaken prior to commencement of the main construction works, a site-specific CEMP commensurate with the scale and effects of the proposed works, may be submitted for the approval of the Team Leader.
- CEMP.5 At least two weeks month prior to the lodgement of the CEMP with the Council, the Consent Holder shall provide a copy of the draft CEMP to the NZ Transport Agency Northern Mana Whenua Iwi Integration Group (IIG) and seek feedback on the draft CEMP during at least one hui with the IIG.
- CEMP.6 The purpose of the CEMPs is to set out the management procedures and construction methods to be undertaken in order to avoid, remedy or mitigate potential adverse effects arising from construction activities.
- CEMP.7 All CEMPs shall be prepared in accordance with the NZ Transport Agency's Guideline for preparing Environmental and Social Management Plans (April 2014) and shall include:
- a. The roles and responsibilities of construction management staff, including the manager responsible for the erosion and sediment control;
 - b. The name of the Consent Holder's representative on the Project;
 - c. A description of the training and education programme for all site personnel, including training for construction water management, that will be implemented to ensure compliance with conditions;
 - d. A requirement for a cultural induction programme for appropriate contractor's staff prior to work commencing;
 - e. A requirement for cultural monitoring of construction works through the presence of iwi representatives on site where requested by the IIG;
 - f. Procedures for hazards, including fire hazard, identification and control;
 - g. The details of at least two emergency contact people and responses who shall be contactable 24 hours 7 days a week during construction who shall have authority to initiate immediate response actions;
 - h. Methods for amending and updating the CEMP as required; and
 - i. The management plans set out in condition CEMP.8 below.

Advice Note

Where access to any privately owned property is required, the NZ Transport Agency shall undertake consultation with the property owner to determine an appropriate site access protocol in respect of obtaining access to the site.



In respect of any privately owned property, the NZ Transport Agency and/or its agents shall provide 3 weeks (15 working days) notice of the intention to commence construction.

- CEMP.8 The management of the potential adverse environmental effects associated with the construction phase of the NCI Project shall be addressed within the following management plans to be included in the CEMP:
- a. Construction Noise and Vibration Management Plan (CNVMP) prepared in accordance with conditions CNV.1 to CNV.6;
 - b. Construction Traffic Management Plan (CTMP) prepared in accordance with conditions CTMP.1 to CTMP.3;
 - c. Dust Management Plan (DMP) prepared in accordance with conditions DMP.1 to DMP.4;
 - d. Lizard Management Plan (LMP) prepared in accordance with conditions LMP.1 to LMP.3;
 - e. Avifauna Management Plan (AMP) prepared in accordance with conditions AMP.1 to AMP.4;
 - f. Contaminated Site Management Plan (CSMP) prepared in accordance with conditions CL.1 to CL.2;
 - g. Construction Erosion and Sediment Control Plan (CESCP) prepared in accordance with conditions EW.1 to EW.13; and
 - h. Landfill Works Plan (LWP) prepared in accordance with conditions LW.1 to LW.8.
- CEMP.9 The Consent Holder may request amendments to any of the management plans required by these conditions by submitting material amendments in writing to the Council (Team Leader Northern Monitoring) for certification at least 10 working days prior to any changes taking effect. Any changes to management plans shall remain consistent with the overall intent of the relevant management plan and shall be consistent with the requirements of the relevant conditions of these consents.
- CEMP.10 All certified CEMPs shall be implemented and maintained for the relevant stage of works throughout the entire construction period.

Construction Noise and Vibration (CNV)

- CNV.1 A Construction Noise and Vibration Management Plan (CNVMP) shall be prepared by an appropriately qualified person, and shall be submitted as part of the CEMP.
- CNV.2 The purpose of the CNVMP is to provide a framework for the development and implementation of measures to avoid, remedy or mitigate adverse construction noise and vibration effects, and to minimise any exceedance of the criteria set out in Conditions CNV.5 and CNV.6.
- CNV.3 The CNVMP shall be prepared in accordance with the Noise Management Plan requirements of Annex E2 of *New Zealand Standard NZS 6803:1999 'Acoustics –*



Construction Noise’ (NZS 6803:1999) and shall describe the measures adopted to, as far as practicable, meet the criteria in conditions CNV.5 and CNV.6. The CNVMP shall also be prepared in accordance with the NZ Transport Agency’s *State highway construction and maintenance noise and vibration guide* (version 1.0, 2013).

- CNV.4 The CNVMP shall identify which mitigation measures required by conditions ON.1 to ON.14 imposed on the designations for the Project would also attenuate construction noise. Where practicable, those measures shall be implemented prior to commencing major construction works that generate noise in the vicinity.
- CNV.5 Noise arising from construction activities on land shall be measured and assessed in accordance with NZS 6803:1999 Acoustics - Construction Noise and shall comply, as far as practicable, with the noise limits set out Table CNV1:

Table CNV1: Construction noise limits

Day	Time	L _{Aeq(15min)}	L _{AFmax}
Residential buildings			
Weekdays	0630h - 0730h	55 dB	75 dB
	0730h - 1800h	70 dB	85 dB
	1800h - 2000h	65 dB	80 dB
	2000h - 0630h	45 dB	75 dB
Saturdays	0630h - 0730h	45 dB	75 dB
	0730h - 1800h	70 dB	85 dB
	1800h - 2000h	45 dB	75 dB
	2000h - 0630h	45 dB	75 dB
Sundays and Public Holidays	0630h - 0730h	45 dB	75 dB
	0730h - 1800h	55 dB	85 dB
	1800h - 2000h	45 dB	75 dB
	2000h - 0630h	45 dB	75 dB
Commercial and industrial receivers			
All	0730h – 1800h	70dB	
	1800h – 0730h	75dB	

Advice Note:

There may be occasions when it is not practicable for construction activity to achieve the guideline criteria in the standard. In such circumstances, mitigation that is consistent with the best practicable option shall be adopted in accordance with CNV.6.

- CNV.6 Construction vibration 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, as far as practicable, comply with the Category A construction vibration criteria in Table CNV2.



Table CNV2: Construction vibration criteria

Receiver	Details	Category A	Category B
Occupied PPFs*	Night-time 2000h - 0630h	0.3mm/s ppv	1mm/s ppv
	Daytime 0630h - 2000h	1mm/s ppv	5mm/s ppv
Other occupied buildings	Daytime 0630h - 2000h	2mm/s ppv	5mm/s ppv
All other buildings	Vibration - transient	5mm/s ppv	BS 5228-2** Table B2
	Vibration - continuous		BS 5228-2** 50% of table B2 values

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

** BS 5228-2:2009 'Code of practice for noise and vibration control on construction and open sites – Part 2: Vibration'

- a. If measured or predicted vibration from construction activities exceeds the Category A criteria, a suitably qualified person must assess and manage construction vibration during those activities.
- b. If measured or predicted vibration from construction activities exceeds the Category B criteria, those activities may only proceed if vibration effects on affected buildings are assessed, monitored and mitigated by a suitably qualified person.

CNV.7 If measured or predicted noise and vibration from a construction activity exceeds the criteria in conditions CNV.5 or CNV.6, a Schedule to the CNVMP for that activity shall be prepared in accordance with the NZ Transport Agency's *State highway construction and maintenance noise and vibration guide* (version 1.0, 2013). The Schedule shall, where practicable, be provided to the Council (Team Leader Northern Monitoring) for certification at least five working days in advance of the activity commencing. Where no response is received from the Council within three working days, the Schedule shall be deemed to have been certified and work may commence. The Schedule shall provide details of the best practicable option for noise mitigation to be implemented for the construction activity.

CNV.8 If any vibration-induced damage is shown to have occurred as a result of Project construction activities, any such damage shall be remedied by the Consent Holder.

Construction Traffic Management

CTMP.1 A CTMP shall be prepared by a suitably qualified person and submitted as part of the CEMP.



CTMP.2 The purpose of the CTMP is to manage the potential impacts of the construction of the NCI Project on the transportation network during the construction period.

CTMP.3 The CTMP shall describe the methods for avoiding, remedying or mitigating the local and network wide transportation effects resulting from construction of the NCI Project, and will address, as far as practicable, the following matters:

- a. Methods to avoid, remedy or mitigate the local and network wide effects of the construction of individual elements of the Project (e.g. intersections/overbridges) and the use of staging to allow sections of the Project to be opened to traffic while other sections are still under construction;
- b. Methods to manage the effects of the delivery of construction material, plant and machinery (including oversized trucks);
- c. The numbers, frequencies, routes and timing of construction traffic movements;
- d. Traffic management measures to address and maintain traffic capacity as far as reasonably practicable and minimise adverse effects, including on bus services and bus travel times, at peak traffic periods during weekdays (06:30 to 09:30 and 16:00 to 19:00), including:
 - i. Retaining the existing number of traffic lanes along SH1 (between Tristram Avenue and Oteha Valley Road);
 - ii. Retaining the extent of existing bus priority measures along SH1 (between the Albany Station and the Constellation Station), as far as reasonably practicable and subject to the requirement that the bus only on ramp from McClymonts Road and the bus only access to the Constellation Station may need to be temporarily closed;
 - iii. Retaining the existing number of through traffic lanes along SH18 between the Upper Harbour interchange and the Albany Highway interchange, as far as reasonably practicable and subject to the requirement that right turning movements to and from Paul Matthews Road may need to be temporarily closed;
 - iv. Retaining two traffic lanes on McClymonts Road, over SH1, as far as reasonably practicable and subject to the requirement that temporary restrictions to one lane or temporary full closures may be required; and
 - v. Retaining at least one traffic lane on Rosedale Road, under SH1, as far as reasonably practicable;
- e. Measures to maintain existing vehicle access to private properties, as far as possible, or where the existing property access is to be removed or becomes unsafe as a result of the construction works, measures to provide alternative access arrangements in consultation with Council (Team Leader Northern Monitoring) and the affected landowner; and



- f. Measures to maintain pedestrian and cycle access with thoroughfare to be maintained on all roads and footpaths adjacent to the construction works, where practicable (e.g. unless provision of such access is severed by the works or such access will become unsafe as a result of the construction works). Such access shall be safe, clearly identifiable, provide permanent surfacing and seek to minimise significant detours.

CTMP.4 The Consent Holder shall ensure that, when developing the CTMP, the suitably qualified person preparing the CTMP shall:

- a. Use best practice to better understand the effects of construction of the Project or Project stage on the affected road network, which may include the use of traffic modelling tools. Any such assessment should be undertaken in consultation with Auckland Transport, and have the ability to simulate lane restrictions and road closures; and
- b. As far as practicable, include measures to avoid road closures and also the restriction of vehicle, cycle and pedestrian movements.

Dust Management Plan

DMP.1 A DMP shall be prepared by an appropriately qualified person and submitted as part of the CEMP.

DMP.2 The purpose of the DMP is to describe the measures to be adopted to ensure the dust arising as a result of the Project does not cause an offensive or objectionable effect at any point beyond the designation boundary (as defined in the Guide to Assessing Air Quality Impacts from State Highway Projects (NZTA 2015)).

DMP.3 The DMP shall include the following:

- a. A description of the measures to be adopted that, so far as practicable, seek to:
 - i. Reduce the dust arising as a result of the Project at any point beyond the designation boundary that borders a highly sensitive receiver;
 - ii. Ensure that the 1-hour average of Total Suspended Particulate (TSP) at any point beyond the designation boundary that borders a highly sensitive receiver does not exceed 250 micrograms per cubic metre ($\mu\text{g}/\text{m}^3$); and
 - iii. Ensure that the 24-hour average concentration, measured midnight to midnight, of Total Suspended Particulate (TSP) at any point beyond the designation boundary that borders a highly sensitive receiver does not exceed 80 micrograms per cubic metre ($\mu\text{g}/\text{m}^3$);
- b. A description of the works, anticipated equipment/processes and duration;
- c. A description of the periods of time when emissions of dust might arise from construction activities;
- d. Identification of highly sensitive receivers likely to be adversely affected by emissions of dust from construction activities;



- e. Methods for mitigating dust that may arise from ground disturbing construction activities and construction support areas;
- f. Methods for monitoring the state of air quality during construction, including continuous monitoring of Total Suspended Particulate (TSP) and wind speed and wind direction in general accordance with the Good Practice Guide for Air Quality Monitoring and Data Management, Ministry for Environment, 2009c; and
- g. A requirement for log books to be maintained containing information regarding dust monitoring required by the DMP and any dust complaints received.

Advice Note:

The DMP shall describe the methods that can be applied to achieve the standard in DMP.3(a)(ii) and (iii). However, there may be occasions where despite all practicable measures being adopted the specified standard is not achieved.

DMP.4 If the monitoring required by the DMP shows that concentrations of TSP in ambient air at or beyond the boundary of the site exceed:

- a. 80 micrograms/m³ as a 24-hour average; or
- b. 250 micrograms/m³ as a 1-hour average

the Consent Holder shall undertake an investigation into the cause of the exceedance in accordance with the DMP.

A report into the outcome of any investigation required by this condition shall be forwarded to Auckland Council within 10 working days of the exceedance. If the cause of the exceedance is identified as being an activity undertaken on the site, the report shall also identify additional measures to be taken to reduce discharges of particulate matter into air from that activity.

Lizard Management Plan

- LM.1 A LMP shall be prepared a herpetologist with DOC authority and submitted as part of the CEMP.
- LM.2 The purpose of the LMP is to ensure the relocation of any rare and endangered lizard species found in the locations identified in the Assessment of Terrestrial Effects Report as having the potential to contain lizard species (Potential Lizard Sites) from the works area prior to the commencement of site works.
- LM.3 The LMP shall include details of the measures to be executed to capture and relocate rare and endangered lizards from within the Potential Lizard Sites prior to the commencement of construction work where reasonably practicable. The LMP shall include the following requirements:
 - a. The LMP shall be implemented by a herpetologist with DOC authority;
 - b. The capture of rare and endangered lizards shall occur at the time vegetation is removed from the site prior to construction activity commencing;



- c. The capture shall be carried out in suitable weather conditions; and
- d. The relocation of any lizards captured, and where necessary the storage of lizards prior to relocation, shall be undertaken by the project herpetologist or an equivalent person with DOC authority.

Avifauna

AMP.1 An AMP shall be prepared by an avian ecologist and submitted as part of the CEMP.

AMP.2 The purpose of the AMP is to ensure that:

- a. Dotterels are deterred from nesting in the locations identified as potential dotterel nesting sites in the Assessment of Terrestrial Effects Report ('Potential Nesting Sites') during the construction period; and
- b. The potential effects of construction on nesting native birds within the Rosedale Wastewater Treatment Plant are appropriately managed by avoiding vegetation clearance during the nesting season.

AMP.3 The AMP shall contain the following:

- a. Details of the measures to be used to deter dotterels from nesting at the locations identified as potential dotterel nesting sites in the Assessment of Terrestrial Ecology Effects Report;
- b. A requirement that the deterrent measures described in AMP.2(a) shall be deployed at the Potential Nesting Sites from July immediately prior to construction activity commencing in those areas and shall be maintained as necessary until the end of the construction period;
- c. Procedures for the management or relocation of any dotterels found nesting within the construction areas during the construction period;
- d. A requirement for vegetation clearance to be undertaken from 1 March to 31 July within that the area adjacent to the Rosedale Wastewater Treatment Ponds where construction activities will occur as identified within Assessment of Terrestrial Ecology Report;
- e. Procedures for managing any native birds found nesting within the Moro Pond area of the Rosedale Wastewater Treatment Ponds.

AMP.4 All measures and procedures relating to dotterels contained within the AMP shall be in general accordance with the NZ Transport Agency's Guidance in Relation to New Zealand Dotterels on NZTA Land (2012).

Contaminated land

CL.1 Prior to excavation and construction works commencing, the Consent Holder shall update the draft Contaminated Site Management Plan (CSMP) to include a summary of the findings of the Detailed Site Investigations. The updated CSMP shall be submitted to Council as part of the CEMP.



- CL.2 The updated CSMP shall describe how land disturbance activities on contaminated sites will be managed, including:
- a. Health and safety requirements (including use of appropriate PPE and decontamination);
 - b. Protocols for accidental discovery;
 - c. Methods for managing excavation and storage of soil (including erosion and sediment controls, dust and odour controls, surface water control and monitoring, imported fill requirements, and stockpile management);
 - d. Methods for classifying and managing transport, disposal (at an appropriate facility) and tracking of spoil and other material taken away from site;
 - e. How any spills and emissions will be managed; and
 - f. Site validation reporting requirements.

Earthworks

General

- EW.1 During the Project earthworks the Consent Holder shall take all practicable measures to minimise erosion and minimise the discharge of sediment beyond the boundaries of the site.
- EW.2 The Consent Holder shall ensure that the erosion and sediment control measures are constructed and maintained in accordance with Auckland Regional Council's Technical Publication 90: Erosion and Sediment Control Guidelines for Soil Disturbing Activities in the Auckland Region and any amendments to this document and the NZ Transport Agency's Erosion and Sediment Control Guidelines for State Highway.

Pre-construction meeting

- EW.3 Prior to the commencement of the earthworks activity or vegetation clearance (either for the whole site or for each stage of works), the Consent Holder shall hold a pre-start meeting that:
- a. Is located on the subject site;
 - b. Is scheduled not less than five days before the anticipated commencement of earthworks;
 - c. Includes Auckland Council representatives; and
 - d. Includes representation from the contractors who will undertake the works and the supervising engineers.

The purpose of the pre-start meeting shall be to discuss the erosion and sediment control measures, the earthworks methodology and shall ensure all relevant parties are aware of, and familiar with, the necessary conditions of this consent.



Construction Erosion and Sediment Control Plan(s) (CESCP)

- EW.4 A CESCP shall be prepared by an appropriately qualified and experienced person and submitted as part of the CEMP for each area of work or activity.
- EW.5 The purpose of the CESCP is to set out the measures to be implemented during the construction period to minimise erosion and the discharge of sediment beyond the boundaries of the construction areas.
- EW.6 The CESCP shall be prepared in general accordance with the principles set out in section 5 of the Construction Water Management Report and include the following matters:
- a. Identification of the construction zones and construction support areas;
 - b. A risk assessment of the sediment yield from that particular area of works or activity that is the subject of the CESCP including slope angle and length, receiving environment, soil types and duration of the works;
 - c. Details of the specific erosion and sediment control works that will be implemented (including location, dimensions and capacity);
 - d. Supporting calculations and design drawings for all erosion and sediment controls;
 - e. A plan showing the catchment boundaries of the works and the control measures;
 - f. Timing and duration of construction and operation of control works (in relation to the staging and sequencing of earthworks);
 - g. Details relating to the management of exposed areas (e.g. grassing, mulching);
 - h. A requirement for a manually raised decant devices on sediment retention ponds where installed;
 - i. Details of the flocculation treatment to be implemented including:
 - i. Specific design details of the flocculent treatment system based on a rainfall activated methodology for the site's sediment retention ponds and batch dosing for decanting earth bunds;
 - ii. Monitoring, maintenance (including post storm) and contingency programme (including a record sheet) for the flocculation management;
 - iii. Use of organic flocculants where practicable provided that the most effective flocculant in terms of sediment removal shall be selected;
 - iv. Details of optimum dosage (including assumptions);



- v. Results of initial treatment trials;
 - vi. A spill contingency plan; and
 - vii. Details of the person or bodies that will hold responsibility for the long term operation and maintenance of the flocculant management system;
- j. Details of the erosion and sediment control monitoring to be implemented consistent with the requirements set out in section 6.2 of the Construction Water Management Report, including:
- i. Pre-construction monitoring;
 - ii. Rainfall monitoring;
 - iii. Routine device monitoring;
 - iv. Triggered device monitoring;
 - v. Flocculent treatment monitoring; and
 - vi. The responses to be adopted in relation to various monitoring outcomes;
- k. Methods for ensuring contracting staff are aware of the erosion and sediment controls employed and do not remove them without seeking appropriate approval.

Advice Note: 'Organic flocculants' means flocculants that are derived from living matter and contain carbon, including but not limited to Polyamine and PolyDAMAC.

- EW.7 The operational effectiveness and efficiency of all erosion and sediment control measures set out in the CESC shall be maintained throughout the duration of earthworks activity, or until the site is stabilised against erosion.
- EW.8 Prior to submission of any CESC for the causeway works between Watercare's Ponds 1 and 2 to Council, the Consent Holder shall consult with Watercare. The details and outcome of that consultation shall be included in the CESC.

Certification of Erosion and Sediment Controls

- EW.9 Prior to earthworks commencing, a certificate signed by an appropriately qualified and experienced person shall be submitted to Council (Team Leader Northern Monitoring), to certify that the erosion and sediment controls have been constructed in accordance with the certified Construction Erosion and Sediment Control Plan(s) as required by Condition EW.6 of this consent.
- EW.10 Certified controls shall include the diversion bunds, silt fences, super silt fences, sediment retention ponds, decanting earth bunds and flocculation management systems. The certification for these controls shall be supplied prior to the



commencement of the works for that area or activity. Information supplied, if applicable, shall include:

- a. Compliance with the conditions of this consent;
- b. Contributing catchment area;
- c. Shape of structure (dimensions of structure);
- d. Position of inlets/outlets; and
- e. Stabilisation of the structure.

EW.11 Each area of earthworks shall be progressively stabilised against erosion, and earthworks shall be sequenced to minimise the discharge of contaminants to groundwater or surface water.

Advice Note:

Earthworks shall be progressively stabilised against erosion during all stages of the earthwork activity. Interim stabilisation measures may include:

- i. The use of waterproof covers, geotextiles, or mulching; and*
- ii. Aggregate or vegetative cover that has obtained a density of more than 80% of a normal pasture sward.*

EW.12 If areas of exposed soil are not subject to earthworks for a 14 day period, the area of exposed soil shall be stabilised until such a time as further earthworks occurs in that specific area.

Retaining walls

EW.13 All retaining wall construction activities shall be undertaken from hard stand stabilised areas. Any spoil generated through the retaining wall activity shall be disposed of offsite and if required to be stockpiled shall be done so on a temporary basis only within the contributing catchments of the sediment retention devices.

Landfill conditions

Landfill Reinstatement Works Plan (LRWP)

LW.1 A LRWP shall be prepared by a suitably qualified person and submitted as part of the CEMP.

LW.2 The purpose of the LRWP is to manage the potential adverse effects on the environment of working within the Rosedale Landfill.

LW.3 The LRWP shall include the following information in relation to the works to be carried out on the Rosedale Landfill, including:



- a. The measures to be undertaken to minimise potential odour effects;
 - b. The dust control measures to be undertaken to control potential effects on on-site and off-site receptors;
 - c. Asbestos management and removal measures in accordance with the Health and Safety at Work (Asbestos Regulations);
 - d. The measures to manage any leachate and contaminated stormwater generated on site during the works;
 - e. Measures relating to the management of refuse including appropriate handling, transport and disposal offsite at an appropriate facility;
 - f. Use of plant and equipment appropriately rated and protected for use in a Hazardous Atmospheric Zone;
 - g. Continuous Landfill gas monitoring for the duration of the construction works in the vicinity of the Rosedale Landfill;
 - h. Landfill gas trigger values for the cessation of works within the works area. Works may not recommence until advice has been sought from a suitably qualified landfill gas specialist;
 - i. The requirement for the landfill reinstatement construction works to be undertaken:
 - vii. under the direction of a New Zealand Chartered Professional Engineer with a minimum of 10 years' experience in geotechnical engineering and landfill engineering with specific experience in landfill rehabilitation or landfill remediation; and
 - viii. in accordance with the IPENZ Practice Note for Construction Monitoring as follows:
 1. Level CM5 for the engineered barrier/side wall liner and any gas protection measures; and
 2. Level CM3 for all other components of the landfill reinstatement works.
- LW.4 The LRWP shall also include a Landfill Health and Safety Plan prepared after consultation with the Auckland Council Closed Landfill and Contaminated Land Response Team and including information regarding:
- a. Management of the risk of gas from refuse and leachate;
 - b. Management of excavations and works in confined spaces;
 - c. Training and supervision of construction workers and Landfill staff;



- d. Measures relating of exposure of construction workers and staff to hazardous materials, refuse and leachate including:
 - ix. Identifying hazardous materials;
 - x. Requiring person protective equipment including full face respirators, chemical resistant overalls and gloves;
 - xi. Requiring the use of observers;
 - xii. Providing shower and boot wash facilities onsite;
 - xiii. Requiring breaks in skin (cuts and abrasions) to be disinfected immediately and covered;
 - xiv. Prohibiting food or drink consumed within the construction area; and
- e. Emergency contacts and procedures.

Landfill Construction Method Statements

- LW.5 Prior to excavation and construction works commencing in the vicinity of the Landfill the Consent Holder shall submit Landfill Construction Method Statements (LCMS) to Council for certification. If the Consent Holder has not received a response from the Council within 10 working days following submission of the LCMS, the Consent Holder will be deemed to have certification and can commence site works.
- LW.6 The LCMS shall include information about how works are to be carried out within the Rosedale Landfill including:
- a. How the landfill will be reinstated once the works are complete;
 - b. Temporary works including temporary reconfiguration of leachate, gas and stormwater infrastructure;
 - c. Temporary support of the excavated refuse profile;
 - d. Reinstatement of the Landfill Rosedale sidewall;
 - e. Reinstatement of the Rosedale Landfill infrastructure (leachate, gas, stormwater, access track);
 - f. Reinstatement of the Rosedale Landfill monitoring network stations including new gas migration monitoring probes and new groundwater monitoring wells;
 - g. Construction of protection measures (such as a gas interception trench) to mitigate Landfill gas effects;
 - h. Commissioning of the reinstatement works;
 - i. How the works will achieve the factors of safety against instability in the relevant codes and standards;



- j. The requirement for reinstatement works to be supervised by a New Zealand Chartered Professional Engineer with experience in geotechnical engineering and landfill engineering.
- LM.7 The LCMS shall be prepared and submitted after consultation with the Auckland Council Closed Landfill and Contaminated Land Response Team.
- LM.8 Landfill reinstatement works shall be carried out in accordance with the certified LCMS required under condition LW.5.

Ecology

Fish recovery and relocation

- EC.1 Prior to the commencement of works within any waterbody that supports a population of native fish, the Consent Holder shall implement the following:
- a A suitably qualified ecologist shall be appointed to conduct native fish recovery and relocation;
 - b The IIG shall be given the opportunity to appoint a representative to be present on site during the native fish recovery and relocation;
 - c A fish movement barrier shall be installed at the lower and upper extents of the stream works to prevent fish from recolonising within the stream works area;
 - d Stormwater ponds shall be dewatered to a depth of no more than 0.5m and fish movement barriers shall be installed over the inlet and outlets of the pond or wetland;
 - e Once the appropriate fish movement barriers are installed, the recovery of native fish shall occur over a two day period, and shall use the following methods:
 - i Gee-minnow traps and fyke nets, placed at appropriate intervals over the length of the watercourse. These shall be left overnight where possible, and checked and cleared the following morning;
 - ii Using an electric fishing machine (EFM300), several electric fishing runs of the watercourse, stormwater pond or wetland shall occur each day;
 - iii During the dewatering process, any remaining freshwater fish shall be captured and relocated;
 - f All captured native fish shall be relocated on the same day to a suitable, similar habitat immediately downstream of the works area within the same catchment;
 - g Native fish shall be transferred into closed buckets, kept at an appropriate temperate and transport to the relocation site;
 - h Any exotic fish capture shall be humanely euthanised and disposed of appropriately; and
 - i The Consent Holder shall provide the Council (Team Leader Northern Monitoring) with a report outlining the number and species of native fish that were recovered and relocated prior to and during stream weeks within 20 working days of the fish recovery and relocation being completed.



Stakeholder and Communications Plan

- SCP.1 At least two months prior to the commencement of construction works, the Consent Holder Authority shall submit a Stakeholder and Communications Plan (SCP) to the Council (Team Leader Northern Monitoring), to certify compliance and consistency with the conditions of this consent. If the Consent Holder has not received a response from the Council within 10 working days following the submission of the SCP, the Consent Holder will be deemed to have certification and can commence construction.
- SCP.2 The purpose of the SCP is to set out the procedures for communicating with the public and stakeholders throughout the construction period and the methods proposed to avoid remedy or mitigate, as far as practicable, disruption to businesses as a result of construction activities.
- SCP.3 The SCP shall contain the following:
- a. Methods for informing the community of construction progress, including proposed hours of operation outside normal working hours and Project contact details;
 - b. Identification of key stakeholders such as community groups, business groups, residents organisations, Auckland Council, Watercare Services Limited, the IIG and the local boards;
 - c. Details of the Community Liaison Manager to be appointed by the Consent Holder; and
 - d. Details of the proposed engagement with the community in order to foster good relationships and to provide opportunities for learning about the Project.
- SCP.4 The SCP shall include details of the measures to be implemented to avoid, remedy or mitigate, as far as reasonably practicable, disruption businesses as a result of construction activities including:
- a. Measures to maximise opportunities for customer and service access to businesses that will be maintained during construction;
 - b. Measures to mitigate potential severance and loss of business visibility issues by way-finding and supporting signage for pedestrian detours required during construction; and
 - c. Other measures to assist businesses to maintain client/customer accessibility, including but not limited to client/customer information on temporary parking or parking options for access and delivery.
- SCP.5 The Consent Holder shall provide a draft SCP to the [insert Council person] for comment at least three months prior to the commencement of construction. The Consent Holder shall consider any comments received from the [insert Council person] when finalising the SCP.



- SCP.6 The Consent Holder shall implement the SCP for the duration of the Construction Works.
- SCP.7 At all times during construction work, the Consent Holder shall maintain a permanent register of any complaints received relating to the construction works.
- SPC.8 The Consent Holder shall respond to any complaint within 48 hours of the complaint, except where an immediate hazard is present, in which case the Consent Holder shall use its best endeavours to respond within 2 hours.
- SPC.9 The Consent Holder shall also maintain a record of its responses and any remedial actions undertaken, such record to also contain the responses and actions taken.
- SPC.10 This record (to be included in the register) shall be maintained on site and shall be made available to the [Council person], upon request. The Consent Holder shall provide the [Council person] with a copy of the complaints register every month.

Archaeology

- ARC.1 A suitably qualified archaeologist shall be appointed to oversee the earthworks required as part of the NCI Project ('Project Archaeologist').
- ARC.2 A contractors' briefing shall be provided to all contractors by the Project Archaeologist prior to the commencement of the NCI Project. The briefing shall provide information to the contractors regarding the following:
- a. What constitutes archaeological / historic heritage materials;
 - b. The legal requirements relating to unanticipated archaeological discoveries;
 - c. The appropriate procedures to follow if archaeological or historic heritage materials are uncovered when the Project Archaeologist is not on site to safeguard the materials; and
 - d. The contact information of the relevant agencies (including the project archaeologist, the Auckland Council Heritage Unit and Heritage New Zealand Pouhere Taonga) and mana whenua.
- ARC3. Documentation demonstrating that the contractor briefing has occurred shall be forwarded to the Council (Team Leader Northern Monitoring).
- ARC.4 Should any unrecorded historic heritage sites (i.e. sites that meet the Resource Management Act 1991 definition of 'historic heritage') be exposed as a result of an activity associated with the consented proposals, then these sites shall be recorded within the Auckland Council Cultural Heritage Inventory by the Project Archaeologist.
- ARC.5 Site record forms in the Auckland Council Cultural Heritage Inventory (www.chi.net/Home.aspx) shall be updated by the Project Archaeologist within 20 working days of completion of on-site earthworks. Electronic copies of all historic heritage reports relating to historic heritage investigations (e.g. evaluation, excavation and monitoring etc.) shall be submitted by the Project Archaeologist to



the Auckland Council Cultural Heritage Inventory within 12 months of the completion of on-site earthworks.

Network Utilities

NU.1 The Consent Holder shall ensure that construction work does not adversely impact on the safe and efficient operation of network utilities. The scope and timing of necessary utility relocation and protection works shall be developed and agreed between the Consent Holder and network utility providers to mitigate any safety hazards and provide cost efficiency for the required works.

Stormwater

Stormwater management devices

SW.1 The Consent Holder shall ensure that stormwater management devices are designed and constructed to achieve the following design requirements as set out in the table below:

Motorway Catchment	Receiving Environment	Design Requirements		
		Total High Use Road Area (new and existing) to be treated in accordance with TP10	Detention for difference of pre- and post-development volume	Peak Flow Attenuation to Pre-Development Flow Rates at the Receiving Environment (with climate change adjustment to 2121)
Oteha Valley to McClymonts (OV2M)	Lucas Creek	3.45ha to 75% TSS removal	SMAF1 (37mm/24hrs)	2-year ARI 10-year ARI
McClymonts to Spencer (M2S)	Open channel upstream of the Albany Lakes Reserve	1.59ha to 75% TSS removal	SMAF1 (37mm/24hrs)	2-year ARI 10-year ARI 100-year ARI
Spencer to Rosedale (S2R)	Oteha Stream	9.42ha to 75% TSS removal	SMAF2 (26mm/24hrs)	2-year ARI 10-year ARI 100-year ARI
Rosedale to Constellation (R2C)	Open channel north of WSL Pond 1	6.54ha to 75% TSS removal	SMAF2 (26mm/24hrs)	2-year ARI 10-year ARI 100-year ARI
Constellation to Paul Matthews (C2PM)	Open channel south of WSL Pond 1	3.37ha to 75% TSS removal	SMAF2 (26mm/24hrs)	2-year ARI 10-year ARI 100-year ARI
Paul Matthews to Albany Highway (PM2AH)	Alexandra Stream	4.57ha to 75% TSS removal	SMAF2 (26mm/24hrs)	2-year ARI 10-year ARI

SW.2 Where existing stormwater management devices are proposed to be removed, the equivalent Water Quality Volume and Detention Volume shall be replaced in the proposed stormwater management devices.

SW.3 The Consent Holder shall ensure that the design of stormwater management measures constructed in accordance with Condition SW.1 do not result in an increase of flood levels greater than 50mm:



- a. At all upstream and downstream properties in rainfall events up to and including the 10-year Annual Recurrence Interval (ARI) event (excluding the properties on Tait Place where flood levels shall increase by up to 80mm in the 10-year ARI event); and
- b. At all upstream and downstream buildings on properties within the 100-year ARI floodplain.

SW.4 Stormwater management devices or systems must be fully operational prior to use of the impervious area.

Detailed designs

SW.5 The Consent Holder shall ensure that the detailed design, including drawings, specification, design report and calculations for the stormwater management devices are submitted to Council (Senior Stormwater / ITA Specialist – Compliance) for certification and at least 30 days prior to initiation of construction of the proposed stormwater management devices. If the Consent Holder has not received a response from the Council within 20 working days following the submission of the detailed design, the Consent Holder will be deemed to have certification and can commence construction.

SW.6 The Consent Holder may make modifications to the stormwater management system shown on the General Arrangements Sheets 1 – 10, including the use of alternative Council approved stormwater management devices, provided that the Consent Holder ensures that equivalent performance and compliance with the requirements of SW.1 is achieved.

Overland flow paths

SW.7 The Consent Holder shall ensure that for stormwater flows in excess of the capacity of the primary drainage systems, overland flow paths shall be provided and maintained to allow surplus stormwater from critical storms (up to the 100 year ARI event), to discharge with the minimum of nuisance and damage. Overland flow paths shall be kept free of all obstructions.

SW.8 The Consent Holder shall ensure that secondary flow paths are kept free from obstructions such as buildings and solid fences.

Planting

SW.9 The Consent Holder shall submit planting plan(s) for the all planted stormwater management devices (including treatment / conveyance swales) to Council (Senior Stormwater / ITA Specialist – Compliance) for certification at least 30 days prior to initiation of construction of the proposed stormwater works. If the Consent Holder has not received a response from Council within 20 working days of submitting the plan(s), the Consent Holder will be deemed to have certification and can commence construction.

SW.10 The planting plan(s) required by Condition SW.9 shall include, but not be limited to, the following:



- a. Details of plant species, plant numbers, density and distribution; and
- b. Details of ongoing pest and weed management.

SW.11 All planting of stormwater management devices (including treatment / conveyance swales) shall be undertaken in accordance with the certified planting plan(s).

Certification of stormwater management works (as-built plans and Validation Report)

SW.12 The Consent Holder shall supply as-built plans and a Validation Report for the stormwater management devices to Council (Senior Stormwater / ITA Specialist – Compliance) within 30 working days of the practical completion of the stormwater management works.

SW.13 The as-built plans shall be signed off by a Chartered Engineer and include but not be limited to:

- a. The surveyed location (to the nearest 0.1m) and level (to the nearest 0.01m) of the discharge structures, with co-ordinates expressed in terms of NZTM and NZGD2000 (Mt Eden circuit); and
- b. Plans and cross sections of all stormwater management devices, including confirmation of the water quality volume, detention / attenuation volumes and levels / sizes of all outflow control structures and discharge outlets.

SW.14 The Validation Report shall be signed off by a Chartered Engineer and shall include details of:

- a. The type and performance of the constructed stormwater management devices in relation to the design requirements in Condition SW.1;
- b. The contributing catchment areas serviced by each stormwater management device;
- c. The provision of access to each stormwater management device, outflow control structure and discharge outlet; and
- d. Plans showing the delineation between the stormwater management infrastructure to be maintained by the Consent Holder and the infrastructure to be vested in Auckland Council.

Contents and submission of operation and maintenance plan

SW.15 A Stormwater Operation and Maintenance Plan shall be submitted to Council (Senior Stormwater / ITA Specialist – Compliance) for certification 5 working days prior to the commencement of the operation of the stormwater management system.

SW.16 The Stormwater Operation and Maintenance Plan shall include but not be limited to:

- a. Details of the person or organisation that will hold responsibility for long-term maintenance of the stormwater management system;
- 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. Procedures for post storm inspection and maintenance;
- e. A programme for inspection and maintenance of the outfalls;
- f. General inspection checklists for all aspects of the stormwater management system, including visual checks;
- g. A programme for inspection and maintenance of vegetation associated with the stormwater management devices; and
- h. A requirement to retain records of all inspections and maintenance for the stormwater management system, for the preceding three years.

If the Consent Holder has not received a response from the Council (Senior Stormwater/ITA Specialist) within 10 working days following the submission of the Stormwater Operation and Maintenance Plan, the Consent Holder will be deemed to have certification.

SW.17 The Consent Holder shall ensure that the stormwater management system is managed in accordance with the certified Stormwater Operation and Maintenance Plan.

Amendments to the Stormwater Operation and Maintenance Plan

SW.18 Any alterations to the Stormwater Operation and Maintenance Plan shall be submitted to Council (Senior Stormwater / ITA Specialist – Compliance) in writing for certification 20 working days prior to implementation. If the Consent Holder has not received a response from the Council (Senior Stormwater/ITA Specialist-Compliance) within 10 working days following the submission of the proposed amendments or alterations, the Consent Holder will be deemed to have certification.

Review Condition

RV.1 Pursuant to section 128 of the Resource Management Act 1991 the conditions of this consent may be reviewed by Council (Team Leader Northern Monitoring) at the consent holder's cost:

- a. As necessary following commencement of consent in order:
 - i. To deal with any adverse effects on the environment which may arise or potentially arise from the exercise of this consent and which it is appropriate to deal with at a later stage.
 - ii. To alter erosion and sediment control requirements as a result of previous monitoring outcomes, and/or in response to changes to the environment and/or hydro-geological knowledge, and/or changes to industry best practice.
- b. At any time, if it is found that the information made available to the Council in the application contained inaccuracies which materially influenced the



decision and the effects of the exercise of the consent are such that it is necessary to apply more appropriate conditions.

General Advice Notes

1. *If you disagree with any of the above conditions, or disagree with the additional charges relating to the processing of the application, you have a right of objection pursuant to sections 357A or 357B of the Resource Management Act 1991. Any objection must be made in writing to Council within 15 working days of notification of the decision.*