

APPENDIX A: PROPOSED CONDITIONS

Definitions

Acronym / Term	Abbreviation / Definition
AEP	Annual Exceedance Probability
AMP	Avifauna Management Plan
BPO or Best Practicable Option	Has the same meaning as in section 2 of the RMA 1991
Bulk Excavation	Relates specifically to Conditions RC.24 – RC.26 and means excavations below groundwater level or where excavation may destabilise adjacent structures
CAQMP	Construction Air Quality Management Plan
Certification	Confirmation from the relevant Council that a management plan has been prepared in accordance with the condition to which it relates
CMA	Coastal Marine Area
CMP	Cultural Monitoring Plan
CNVMP	Construction Noise and Vibration Management Plan
CNVMP Schedule	A schedule to the CNVMP
Commencement of Construction Dewatering and/or Bulk Excavation	Means Commencement of Bulk Excavation at or below the groundwater table and/or the commencement of the taking or diversion of groundwater, other than for monitoring purposes
Completion of Construction	When construction of the Project (or relevant part of the Project) is complete and is open for public use
Completion of Construction Dewatering and/or Bulk Excavation	Means when the Bulk Excavation and/or tunnel (including associated shafts and accessways within a construction zone) have been constructed and no further groundwater is being extracted from those areas
Consent Holder	NZ Transport Agency Waka Kotahi
Construction Works	Activities undertaken to construct the Project excluding Enabling Works
Council	Wellington City Council or Greater Wellington Regional Council
CSMP	Contaminated Soils Management Plan
CTTMP	Construction Traffic and Transport Management Plan
Damage	Includes Aesthetic, Serviceability, and Stability, but does not include Negligible Damage, as described in Table 1 Building Damage Classification (as determined by Burland 1997)
Designation	The NZTA-1 designation included in the District Plan
District Plan	Wellington City 2024 District Plan: Appeals Version

DSI	Detailed Site Investigation
Enabling Works	Preparatory works and investigations to enable Construction Works, including the following: • Archaeological site investigations • Contaminated land investigations • Geotechnical investigations (including trial embankments) • Formation of access for geotechnical and other site investigations • Establishment of construction yards and offices, and temporary buildings including temporary tunnel control buildings • Constructing and sealing (if necessary) site access roads and site access points to the Project Site and private property • Establishment of fences, boundary treatments and safety devices • Demolition or removal of buildings and structures, other than heritage buildings and structures. Demolition of buildings built prior to the year 2000 or where asbestos containing materials are likely to be present must comply with the conditions of Consent [WCC NES Contaminated Land consent reference] • Filling the pilot hole tunnel at Mt Victoria • Vegetation protection, and vegetation removal works except within the Wellington Town Belt (other than minor trimming and removal associated with geotechnical and site investigation works) • Investigation, protection and relocation of services except where it involves dewatering exceeding 1 month or posing a risk of ground subsidence; and • Establishment of mitigation measures (such as erosion and sediment control measures, temporary noise walls and planting)
ESC	Erosion and Sediment Control
ESMP	Erosion and Sediment Management Plan
GSMCP	Groundwater and Settlement Monitoring Contingency Plan
GWRC	Greater Wellington Regional Council
HCMP	Heritage Construction Management Plan
HSMP	Heritage Standard Management Protocol
KMP	Kororā Management Plan
LTSMP	Long Term Site Management Plans
LMP	Lizard Management Plan
MWSG	Mana Whenua Steering Group comprising: • Port Nicholson Block Settlement Trust, on behalf of Taranaki Whānui ki Te Upoko o Te Ika (Taranaki Whānui); and • Te Rūnanga o Toa Rangatira Incorporated, on behalf of Ngāti Toa Rangatira • NZ Transport Agency Waka Kotahi

NZS6803	New Zealand Standard 6803:1999: Acoustics – Construction Noise.
NZS6806	New Zealand Standard 6806:2010 Acoustics – Road-traffic noise – New and altered roads
NZTA	NZ Transport Agency Waka Kotahi
Outline Plan	An outline plan prepared in accordance with section 176A of the RMA
PAH	Polycyclic Aromatic Hydrocarbons
PPF	Protected Premises and Facilities as defined in New Zealand Standard NZS 6806:2010 <i>Acoustics – Road-traffic noise – New and altered roads</i>
Project	The construction, operation, and maintenance of the SH1 Wellington Improvements Project
Project Site	Land within the Designation from north of the Terrace Tunnel to the intersection of Cobham Drive and Evans Bay Parade, as shown on drawing SH1WI-DES-00-GEN-DRG-00010_00030
Requiring Authority	NZ Transport Agency Waka Kotahi
RMA	Resource Management Act 1991
Service(s)	Include fibre optic cables, sanitary drainage, stormwater drainage, gas and water mains, power and telephone installations and infrastructure, road infrastructure assets such as footpaths, kerbs, catch-pits, pavements and street furniture
Serviceability Damage Limit/s	As detailed in Table 1 Building Damage Classification (as determined by Burland 1997), it is the limit beyond which Serviceability Damage may occur. It represents the magnitude of structural deflections (caused by ground settlement or lateral displacement) beyond which structural, as opposed to non-structural (aesthetic) damage may occur, including: - Any reduction of operational functionality - Any reduction in weathertightness or service life or - Any reduced durability In determining Serviceability Damage Limits for a given building, structure or service, the predicted and actual response to deflection must be considered in relation to the existing conditions of the building, structure or services (and parts thereof)
SH1	State Highway 1
SSESCPs	Site-Specific Erosion and Sediment Control Plans
SS-SMP	Site-Specific Soil Management Plan
Stage of work	A specific stage, or area of work associated with Construction Works for the Project, as nominated by the Requiring Authority/Consent Holder
Suitably Qualified Person / SQP	A person (or persons) who can provide sufficient evidence to demonstrate their suitability and competence in the relevant field of expertise, and for this purpose of these conditions, includes a suitably qualified experienced practitioner (SQEP) as defined by the National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health Regulations 2011
ULDMP	Urban and Landscape Design Management Plan

Water body	Has the same meaning as in section 2 of the RMA
WCC	Wellington City Council
Wetland(s)	Has the same meaning as in section 2 of the RMA
Working Day	Has the same meaning as in section 2 of the RMA
WTMP	Water Treatment Management Plan

Designation Conditions – for Alteration to Designation NZTA-1

Purpose: To construct, operate, maintain, and improve a state highway and associated infrastructure

Existing Designation Conditions – deletions in ~~striketrough~~

Condition Number	Condition
The following conditions apply to the section of State Highway 1 between the Basin Reserve and the southern end of the Terrace tunnel:	
1.	<u>Landscaping</u> Landscape shall be designed and maintained to achieve the following objectives: a) the provision of safe and aesthetically pleasing amenities for pedestrians and residents; b) providing for a range of public uses (pedestrians, cyclists, open space); c) assisting with the retention of the character of the relocated buildings in their new surroundings; d) assisting with the integration of the arterial road within the built environment; e) remedying or mitigating adverse effects of the arterial road; f) providing a contrast with the built edge.
2	<u>Noise</u> The NZ Transport Agency shall comply with the processes and requirements of NZS6806:2010 Acoustics – Road traffic Noise – New and Altered Roads (or subsequent version) when altering (as defined in Section 1.5 of NZS6806:2010) an existing road within the designation.
3	<u>Lighting and Signage</u> Appropriate lighting and signage shall be provided and maintained for the road, cycle path, and footpath in accordance with the New Zealand Transport Agency's standard for lighting and signage.
4	Permanent lighting shall be designed, screened and maintained to minimise the amount of lighting overspill and illumination of residential areas.

Proposed New Designation Conditions

Condition Number	Condition
The following conditions apply to the section of State Highway 1 between north of the Terrace Tunnel to the intersection of Cobham Drive and Evans Bay Parade	
General Conditions	
DC.1	<i>In General Accordance</i> a) Subject to final design and except where amended through another process set out in these conditions, the Project shall be undertaken in general accordance with the following plans: (i) General arrangement drawings SH1WI-DES-00-GEN-DRG-00111 to 00130 (ii) Tunnel Control Buildings - Proposed locations and typical plans SH1WI-DES-00-UDL-DRG-00302 to 00315 (iii) Key Cross Sections SH1WI-DES-00-UDL-DRG-00501 to 00511 (iv) Tunnel Portals SH1WI-DES-00-UDL-DRG-00701 to 00704 (v) Bridges - General Arrangement SH1WI-DES-00-STR-DRG-00101 to 00501 (vi) Vivian Street Elevations SH1WI-DES-00-UDL-DRG-00601 to 00607 (vii) Indicative Landscape Plans SH1WI-DES-00-UDL-DRG-00112 to 00130 b) Where any inconsistency arises between the documents in (a) above and: (i) The requirements of the following conditions, the conditions shall prevail (ii) The management plans under the following conditions, the requirements of the management plans shall prevail (iii) Any Outline Plan, the Outline Plan shall prevail
DC.2	<i>Conditions following completion of construction</i> Following Completion of Construction, Conditions DC.1 to DC.37 cease to have effect and do not apply to any subsequent work or activities associated with ongoing operation and maintenance of the state highway
DC.3	<i>Outline Plan(s) and Management Plan(s)</i> a) Outline Plan(s), management plans and the Heritage Standard Management Protocol (HSMP) may be submitted in parts or in stages to address specific activities (e.g. design or construction aspects), or to reflect staged implementation of the Project b) Management plans and the HSMP shall: (i) Be prepared by a Suitably Qualified Person(s) (SQP); and (ii) Include sufficient detail to demonstrate how potential adverse effects associated with the activities and/or stage of work to which they relate will be managed

	(iii) No Outline Plan is required for Enabling Works
DC.4	<i>Management Plans</i> Any management plan shall be implemented, and the work carried out in accordance with that plan, for the duration of the construction activities or stage of work to which it relates
DC.5	Management plans may be amended at any time to reflect changes in design, construction methods or management of potential adverse effects. The amended management plan shall be submitted to Wellington City Council for information unless the amendment will result in: a) No, or a de minimis, adverse impact on environmental outcomes; or b) An improved environmental outcome
Mana Whenua Conditions	
DC.6	<i>Mana Whenua Steering Group</i> Engagement with the Mana Whenua Steering Group (MWSG) shall occur during detailed design to identify how cultural values will be reflected in the Project
DC.7	<i>Cultural Monitoring Plan</i> a) Prior to the start of construction, a Cultural Monitoring Plan (CMP) shall be prepared by a SQP identified in collaboration with the MWSG b) The purpose of the CMP is to set out the cultural monitoring methods and activities to be undertaken during Enabling Works and Construction Works c) To achieve this purpose, the CMP shall specify: (i) Requirements and protocols for cultural inductions for contractors and subcontractors (ii) Activities, sites and areas where cultural monitoring is required during particular construction works, and what that cultural monitoring will comprise; and (iii) The number of personnel who will undertake cultural monitoring, together with any geographic areas in which they will undertake it d) The CMP shall be submitted to Wellington City Council for information
Urban Design and Landscape Conditions	
DC.8	<i>Urban and Landscape Design Management Plan</i> a) An Urban and Landscape Design Management Plan(s) (ULDMP) shall be prepared and included with the Outline Plan for permanent works b) The purpose of the ULDMP is to manage the integration of the Project, as far as practicable, with the adjacent urban and landscape context, including its topography and built and natural character c) To achieve this purpose, the ULDMP shall include urban and landscape design details that demonstrate how the following outcomes are to be achieved, as relevant to the key locations listed in (d):

	(i) A design response for the Mt Victoria (northbound) and Terrace (southbound) tunnel portals that recognises their central city gateway function (ii) An integrated extension of public space and landscape from Pukeahu National War Memorial Park through to Cambridge Terrace (iii) Recognition of heritage and landmark values (iv) Recognition of Mana Whenua values including through incorporation of cultural design elements to be developed in collaboration with the MWSG (v) A defined interface between the Project and adjoining properties, including a defined street edge where relevant; and (vi) Safe, convenient and attractive walking and cycling connections d) Key locations are: (i) Terrace Tunnel portals (ii) Ghuznee Street replacement bridge (iii) Intersection of Vivian Street and Cuba Street (iv) Intersection of Dufferin Street and Paterson Street (v) Sussex Street and Sussex Street extension between Adelaide Road and Cambridge Terrace (vi) Pukeahu National War Memorial Park (vii) Pukeahu Land / Green Bridge (viii) Plaza space outside the north gate of the Basin Reserve (ix) Kent Terrace and Cambridge Terrace and Canal Reserve, between Vivian Street and the Basin Reserve; (x) Mount Victoria Tunnel portals (xi) Reinstated Paterson Street (xii) Hataitai Park pedestrian overbridge replacement; and (xiii) Evans Bay outfall e) The MWSG and Wellington City Council shall be consulted during preparation of the ULDMP. The purpose of the consultation is to support development of the ULDMP f) A summary of consultation undertaken and how any feedback has been incorporated, or if not, the reasons why, shall be submitted to the Wellington City Council for information with the ULDMP
Transport and Access Conditions	
DC.9	<i>Construction Traffic and Transport Management Plan (CTTMP)</i> a) A Construction Traffic and Transport Management Plan (CTTMP) shall be prepared and included with the Outline Plan b) The purpose of the CTTMP is to set out the framework to manage the effects of construction on traffic movement, access to adjacent land use and road corridor users, as far as practicable

	c) To achieve this purpose the CTTMP shall include: (i) Measures to manage the transport effects of Construction Works (including when occurring at the same time as other activities, events or works on the network) (ii) Measures to maintain, as far as practicable, safe and efficient traffic flow and connectivity for all road corridor users, including pedestrians, cyclists, micromobility users, public transport passengers and general traffic (iii) Measures to maintain reasonable access to and from adjacent land uses, or where that is not practicable, safe alternative access arrangements, including measures that respond to known events or peak periods at key destinations d) Wellington City Council and Greater Wellington Regional Council shall be consulted during preparation of the CTTMP. The purpose of the consultation is to support development of the CTTMP e) A summary of consultation undertaken and how any feedback has been incorporated, or if not, the reasons why, shall be submitted to Wellington City Council for information with the CTTMP
DC.10	Temporary closure of vehicular access to Hataitai Park, if required, shall be planned in consultation with relevant regional sports bodies, sporting clubs, and facility operators, with consideration given to planning: a) Short-term weekday closures to occur before 3 pm; and b) Longer-term closures to occur, as far as practicable, between sporting seasons (August-September or March-April) or during the Christmas/New Year period
DC.11	Subject to maintenance of user health and safety, Construction Works shall be managed to enable access to and along existing trails within the Wellington Town Belt. If trails are required to be closed as a result of Construction Works, suitable alternative routes or methods shall be provided, where practicable
DC.12	All trails in the Wellington Town Belt affected by construction shall be reinstated to their pre-construction condition, with connections and access points maintained where practicable
DC.13	At least one signal controlled or grade-separated crossing for pedestrians and cyclists over Ruahine Street from Hataitai to Hataitai Park shall be maintained during Construction Works. This shall not preclude temporary changes to pedestrian and cyclist access and connectivity as managed under the CTTMP
DC.14	a) A Loading Area Plan shall be prepared and included with the Outline Plan for Vivian Street permanent works b) The purpose of the Loading Area Plan is to manage the effects associated with the removal of on-road parking spaces from Vivian Street, on businesses and state highway operations c) To achieve this purpose, the Loading Area Plan shall investigate, and where practicable, secure new loading bay(s) on side street(s) close to Vivian Street d) The Loading Area Plan shall include: (i) Proposed locations for new loading bays on side streets; and

	(ii) Details of engagement undertaken with Wellington City Council on locations and requirements for implementation of loading bay changes e) If new loading area locations on side streets can be agreed with Wellington City Council as the road controlling authority, on mutually agreeable terms, the new loading bays shall be implemented in conjunction with the Construction Works in this location
Historic Heritage Conditions	
DC.15	<i>Heritage Standard Management Protocol (HSMP)</i> a) An HSMP shall be prepared prior to the start of Construction Works that have the potential to impact the historic heritage items in Attachment A, and shall be included with the Outline Plan b) The purpose of the HSMP is to manage effects on the Historic Heritage items which are to be retained and protected during construction (not relocated, altered or modified) c) To achieve this purpose, the HSMP shall include methods and measures for: (i) Pre-construction condition surveys – e.g., structural / arboricultural assessment, photographic record, crack / health monitoring baseline (ii) Temporary works and stabilisation for items assessed as at-risk – e.g., temporary propping, bracing, facade retention systems (iii) Dust and debris protection – protective wraps, e.g. scaffold wrap, temporary roofing and/or dust screens (iv) Impact protection – e.g., temporary plywood or other robust screen hoardings, and/or site exclusion zones (including the canopies and root zones of trees), to protect against accidental construction impacts, unauthorised access or vandalism; and (v) Monitoring d) If the owner of a Historic Heritage Item does not provide entry for pre-construction condition surveys or to implement any measures and methods set out in the HSMP, then the HSMP is not required to be implemented for that Historic Heritage Item
DC.16	<i>Heritage Construction Management Plan</i> a) An Heritage Construction Management Plan (HCMP) shall be prepared for each of the following buildings and structures (which are to be relocated), prior to their relocation, and shall be included with the Outline Plan: (i) The Home of Compassion Crèche (ii) 140 Austin Street (iii) Ettrick Cottage at 19 Paterson Street, unless relocated prior to Construction Works by others (iv) Laureston House at 7 Paterson Street; and (v) The Wellington East Girls' College Gates b) The purpose of the HCMP is to manage relocation and construction effects on the building or structure such that heritage values are retained as far as practicable

	c) To achieve this purpose, each HCMP shall include: (i) Identification of heritage fabric for retention and relocation, which shall be informed by a Conservation Plan (ii) Measures to protect the building or structure from damage during relocation and Construction Works (iii) Procedures for building/site recording, discovery and incident management (iv) Methods and procedures for long-term removal, storage and protection (v) Relocation methodology and process; and (vi) Architectural reinstatement design, detailing and landscape approach d) Each HCMP shall also address, as relevant, the matters in Conditions DC.17 and DC.18 e) Each HCMP shall be informed by a Conservation Plan
DC.17	a) The Home of Compassion Crèche shall be relocated as illustrated on drawing SH1WI-DES-00-GEN-DRG-00121, or to an alternative location within Pukeahu National War Memorial Park as agreed with the MWSG, Ministry for Culture and Heritage, and Heritage New Zealand Pouhere Taonga b) Interpretation shall be installed explaining the crèche's history, social purpose, and its connection to the Sisters of Compassion and the Catholic Parish. This interpretation shall be prepared in consultation with the Ministry for Culture and Heritage and the Sisters of Compassion and the Catholic Parish
DC.18	a) The heritage buildings at 140 Austin Street, 19 Paterson Street (Ettrick Cottage), 7 Paterson Street (Laureston House) and the Wellington East Girls' College historic gates shall be relocated to, or in the vicinity of, the location indicated on drawing SH1WI-DES-00-UDL-DRG-00124 b) In the event that the Ettrick Cottage building has been removed (by others) prior to construction of the Project, this condition no longer applies to 19 Paterson Street (Ettrick Cottage) and any consequential adjustments to the locations specified on drawing SW1WI-DES-00-GEN-DRG-00124 shall be provided for
DC.19	a) To the extent practicable, the following historic heritage features shall be retained: (i) Existing verandahs along Vivian Street (ii) Chrissy Witoko and Carmen Rupe commemorative benches and associated pedestrian crossing lights at the Vivian/Cuba Street intersection; and (iii) Polskie Dzieci Square Memorial b) If retention of a feature in (a) is not practicable the impacted feature shall be: (i) Recorded, prior to commencement of construction work that has the potential to adversely impact it; and either: (ii) Altered (applicable to verandahs only); or

	(iii) Removed, stored or restored, and reinstated at the Completion of Construction c) Where a feature is altered or reinstated under condition (b), the following additional requirements shall apply, as relevant: (i) Verandahs along Vivian Street shall be altered and reinstated with minimal modification to their original fabric and design, in consultation with the relevant building owner(s) (ii) The Chrissy Witoko and Carmen Rupe commemorative benches shall be rededicated in consultation with connected groups/whānau; and (iii) The Polskie Dzieci Square Memorial shall be reinstated in a new location, in consultation with the Embassy of the Polish Republic d) For any consultation required under condition (c), non-participation from, or disagreement by, those parties shall not prevent the Project from progressing, provided reasonable opportunities to engage have been offered and any feedback received has been considered
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Construction Noise and Vibration Effects Conditions

DC.20

Construction Noise Criteria – General

- a) Construction noise shall be measured and assessed in accordance with NZS6803:1999 Acoustics – Construction Noise and shall comply with the noise standards set out in Table 1 as far as practicable

Table 1 Construction Noise Standards – General

Time of week	Time period	dB LAeq	dB LAFmax
Activities sensitive to noise occupied during the works			
Weekdays	0630-0730	55	75
	0730-1800	70	85
	1800-2000	65	80
	2000-0630	45	75
Saturdays	0630-0730	45	75
	0730-1800	70	85
	1800-2000	45	75
	2000-0630	45	75
Sundays and public holidays	0630-0730	45	75
	0730-1800	55	85
	1800-2000	45	75
	2000-0630	45	75
All other buildings occupied during the works			
All days	0730-1800	70	N/A
	1800-0730	75	N/A

DC.21

Construction Noise Criteria – Mt Victoria Tunnel Blasting Noise

a) Blasting for construction of the duplicate Mt Victoria Tunnel shall be limited to the following times:

(i) 2000 – 2200 where closure of the state highway is necessary during the blasting; and

(ii) 0730 – 1800 where no closure of the state highway is required

b) Blasting shall not be undertaken at any other times

c) Blasting shall be managed to meet the following airborne blast noise performance standards at 1 metre outside the façade of any occupied building containing noise-sensitive activities:

(i) ≤ 20 blasts per calendar year at a receiver: maximum peak sound level of 120 dB L_{Zpeak}

(ii) > 20 blasts per calendar year at a receiver: maximum peak sound level of 115 dB L_{Zpeak}

d) Blasting shall be managed to meet the ground borne blast noise criteria in Table 1. The Category A criteria shall be complied with as far as practicable. Where Category A cannot be achieved with prior management, Category B shall apply

e) Where compliance with the Category B criteria is not practicable, the process in Conditions DC.24 and DC.25 shall apply

Table 1 Construction Noise Standards – blasting (ground borne noise)

Space	Time period	Noise Criteria (dB L _{Aeq(15min)})	
		Category A	Category B
Bedroom	2000 - 2200	30	35
Other habitable spaces	0730 – 1800	35	40

DC.22

Construction Vibration Criteria

a) 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

b) Construction activities shall comply with the Category A vibration criteria set out in Table 2 as far as practicable

c) Where compliance with the Category A vibration criteria set out in Table 2 is not practicable, the process in Conditions DC.24 and DC.25 shall apply

d) If measured or predicted vibration from construction activities exceeds the Category B criteria set out in Table 2, those activities must only proceed if vibration effects on affected buildings are assessed and/or monitored by, or under the supervision of, a SQP

Table 2 Construction Vibration Standards – buildings

Receiver	Location	Details	Category A	Category B
Occupied PPFs	Inside the building	2000 – 0630 hrs	0.3 mm/s PPV	1mm/s PPV
		0630 – 2000 hrs	1mm/s PPV	5mm/s PPV
		Blasting – vibration	5 mm/s PPV	10 mm/s PPV
Other occupied buildings	Inside the building	0630 – 2000 hrs	2mm/s PPV	5mm/s PPV
Vibration sensitive buildings	Building foundation	Vibration – transient	As per relevant use above	8 mm/s
		Vibration – continuous		2.5 mm/s
All other buildings	Building foundation	Vibration – transient (including blasting)	5mm/s PPV	BS 5228-2* Table B.2
		Vibration – continuous		BS 5228-2* 50% of Table B.2 values

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

DC.23

Construction Noise and Vibration Management Plan

- a) A Construction Noise and Vibration Management Plan (CNVMP) shall be prepared and included with the Outline Plan
- b) The purpose of the CNVMP is to set out the framework for managing construction noise and vibration effects
- c) The CNVMP shall be prepared in accordance with Annex E2 of the New Zealand Standard NZS6803:1999 'Acoustics – Construction Noise'. Where relevant, the matters in Annex A2 shall also be considered with respect to vibration effects

DC.24

Schedule to the CNVMP

If a construction activity is predicted or measured to exceed the noise and / or vibration criteria in Conditions DC.20 to DC.22 ('the Criteria'), a Schedule to the CNVMP shall be prepared which sets out the best practicable option for noise and / or vibration management measures to be implemented for the construction activity

DC.25

A Schedule to the CNVMP shall include, as a minimum, the following information:

- a) Description of proposed construction activity predicted or measured to exceed the Criteria
- b) Start and finish dates and times of the activity

	c) A summary of why the Criteria cannot practicably be met d) A plan showing the location of the activity and the receivers likely to be affected by a measured or predicted exceedance e) For each identified receiver, the levels and durations of the measured or predicted exceedance f) The proposed site-specific noise and / or vibration mitigation measures to be adopted g) A summary of any consultation undertaken with the identified receivers, and how any feedback has been considered; and h) Location, times and type of any monitoring
DC.26	A Schedule to the CNVMP shall be submitted to Wellington City Council for information in advance of the construction activity proceeding, except in unforeseen circumstances
Operational Noise Effects Conditions	
DC.27	a) Prior to the start of Construction Works a SQP shall identify those PPFs where, following implementation of low noise surfacing required by Condition DC.34: (i) The external traffic-noise level at the façade facing the Project is predicted to be higher than 67 dB L_{Aeq}(24h); and (ii) A noise level increase of 1 dB or more will occur due to the Project implementation; and (iii) The affected PPF is located in a residential zone in the District Plan b) The building modification Conditions DC.28 to DC.32 shall apply to any PPF identified in (a)
DC.28	Prior to the start of Construction Works, the owner of each building identified in Condition DC.27: a) Shall be given notice in writing to request entry to assess the noise reduction performance of the existing building envelope; and b) If the building owner agrees to entry within 12 months of the date of the notice, a SQP shall be instructed to visit the building and assess the noise reduction performance of the existing building envelope
DC.29	If the building assessment requirements of Condition DC.28 cannot be met because: a) The building owner agreed to entry but entry was not provided for some reason (such as entry denied by a tenant); or b) The building owner did not agree to entry within 12 months of the date of request for entry (including where the owner did not respond within that period) c) Then building-modification mitigation to that building is not required to be implemented
DC.30	Subject to Condition DC.29, within six months of an assessment of a building being undertaken in accordance with Condition DC.28, the owner of each building shall be given written notice advising:

	a) If building modification is required and practicable to achieve an internal noise level of not more than 40 dB $L_{Aeq(24h)}$ with sufficient ventilation and cooling in place b) The options available for practicable building modification mitigation, if required; and c) That the owner(s) has three months to decide whether to accept the building modification mitigation and to advise which option for building modification mitigation the owner(s) prefers (if more than one option is available)
DC.31	Building modification mitigation in accordance with Condition DC.30 shall be implemented in a reasonable and practical timeframe by arrangement with the owner(s)
DC.32	If the requirements of Condition DC.30 to DC.31 cannot be met because: a) An alternative agreement for mitigation was reached with the owner(s); or b) The owner(s) did not accept the offer to implement building modification mitigation within three months of the date of the written notice being sent (including where the owner did not respond within that period); or c) The owner(s) cannot, after reasonable enquiry, be found prior to Completion of Construction of the Project d) Then building-modification mitigation to that building identified in Condition DC.27 is not required to be implemented
DC.33	Existing noise panels between the edge of Pukeahu National War Memorial Park and the state highway, if removed during construction, shall be reinstated
DC.34	Within 12 months of Completion of Construction of the Project, or as soon as practicable thereafter, a low noise road surface shall be implemented as follows: a) 'LN5' low noise road surface (or equivalent) on the straight section of Ruahine Street; and b) 'LN3 or LN5' low noise road surface (or equivalent) on targeted areas elsewhere throughout the Project (excluding any existing local roads) where any PPFs are predicted to receive NZS 6806 Category B or Category C noise levels and where further design investigation determines this is a practicable option
Terrestrial Ecology and Vegetation Conditions	
DC.35	<i>Avifauna Management Plan</i> a) Prior to vegetation clearance within the Wellington Town Belt in the Mt Victoria Tunnel area as shown in Attachment B an Avifauna Management Plan (AMP) shall be prepared and included with the Outline Plan b) The purpose of the AMP is to set out the procedures and measures to manage effects on regionally and nationally 'At Risk' and 'Threatened' indigenous bird species (excluding kororā / little penguins) c) To achieve this purpose, the AMP shall include: (i) Recommended measures to avoid vegetation clearance during peak bird breeding periods (September to January inclusive) where practicable

	(ii) Where avoiding peak bird breeding periods is not practicable, requirements for nest surveys to be undertaken no more than 48 hours prior to vegetation clearance (iii) Procedures to manage active nests, including buffers, work delays, or alternative mitigation d) The MWSG shall be consulted during preparation of the AMP								
DC.36	<i>Threatened Plant Species Survey – Mt Victoria Tunnel</i> a) No more than 12 months prior to vegetation clearance within the Wellington Town Belt in the Mt Victoria Tunnel area as shown in Attachment B, a survey shall be undertaken to identify the extent and population of regionally and nationally 'At Risk' or naturally uncommon plant species to be removed as a result of the Project in this location b) A quantum of replacement planting for the removal of regionally and nationally 'At Risk' or naturally uncommon plant species shall be calculated based on a 1:3 ratio, and shall be incorporated into the terrestrial revegetation/restoration planting required by Condition DC.37								
DC.37	<i>Town Belt Vegetation and Habitat Offset</i> a) Terrestrial revegetation/restoration planting shall be undertaken under the guidance of a SQP to offset the effects of the Project as a result of broadleaf forest and mixed indigenous-exotic forest and scrub vegetation removal within the Wellington Town Belt and achieve no net loss of terrestrial biodiversity and habitat provision b) The revegetation/restoration planting required by (a) shall: (i) Achieve the following quantum of offset planting, depending on time of planting: <table border="1" data-bbox="647 1160 1372 1518"> <thead> <tr> <th>Timing</th><th>Total (ha)*</th></tr> </thead> <tbody> <tr> <td>Offset at point of impact</td><td>7</td></tr> <tr> <td>Advanced offset: 5 years prior to impact</td><td>5.5</td></tr> <tr> <td>Advanced offset: 10 years prior to impact</td><td>4.4</td></tr> </tbody> </table> *The above areas may be adjusted under the guidance of a SQP, in the event the area of regenerating broadleaf forest and mixed indigenous-exotic forest and scrub vegetation removal is less than 2.4 hectares (ii) Be provided in the location as shown in Attachment C, subject to the agreement of the landowner, or at alternative area(s) of the same type and size and achieving at least the same ecological outcome (iii) Incorporate, as part of the total offset quantum in (b)(i), the quantum of replacement planting for the removal of regionally and nationally 'At Risk' or naturally uncommon plant species as calculated in Condition DC.36	Timing	Total (ha)*	Offset at point of impact	7	Advanced offset: 5 years prior to impact	5.5	Advanced offset: 10 years prior to impact	4.4
Timing	Total (ha)*								
Offset at point of impact	7								
Advanced offset: 5 years prior to impact	5.5								
Advanced offset: 10 years prior to impact	4.4								

	(iv) Incorporate, as part of the total offset quantum in (b)(i), indigenous specimen trees to be replaced at a ratio of 1:3 (v) Be undertaken at a density of 1.5 m centres; and (vi) Be undertaken in consultation with the MWSG c) Vegetation planted in accordance with this condition shall be monitored and maintained, including undertaking weed control, pest management and replacement planting as necessary, for a minimum of five years following revegetation/restoration planting or until 80% canopy cover is achieved (whichever is achieved first)
DC.38	<i>Lizard Management Plan</i> a) The approved Lizard Management Plan (LMP) shall be implemented during all Construction Works that have the potential to result in disturbance of lizard habitat b) The purpose of the LMP is to ensure that the habitat(s) that lizards are transferred to within the Wellington Town Belt in the Mt Victoria Tunnel area will support viable native lizard populations for all species present prior to the vegetation clearance c) Cultural protocols/tikanga specific to works potentially impacting lizards, for example cultural inductions and blessings, shall be implemented in consultation with the MWSG

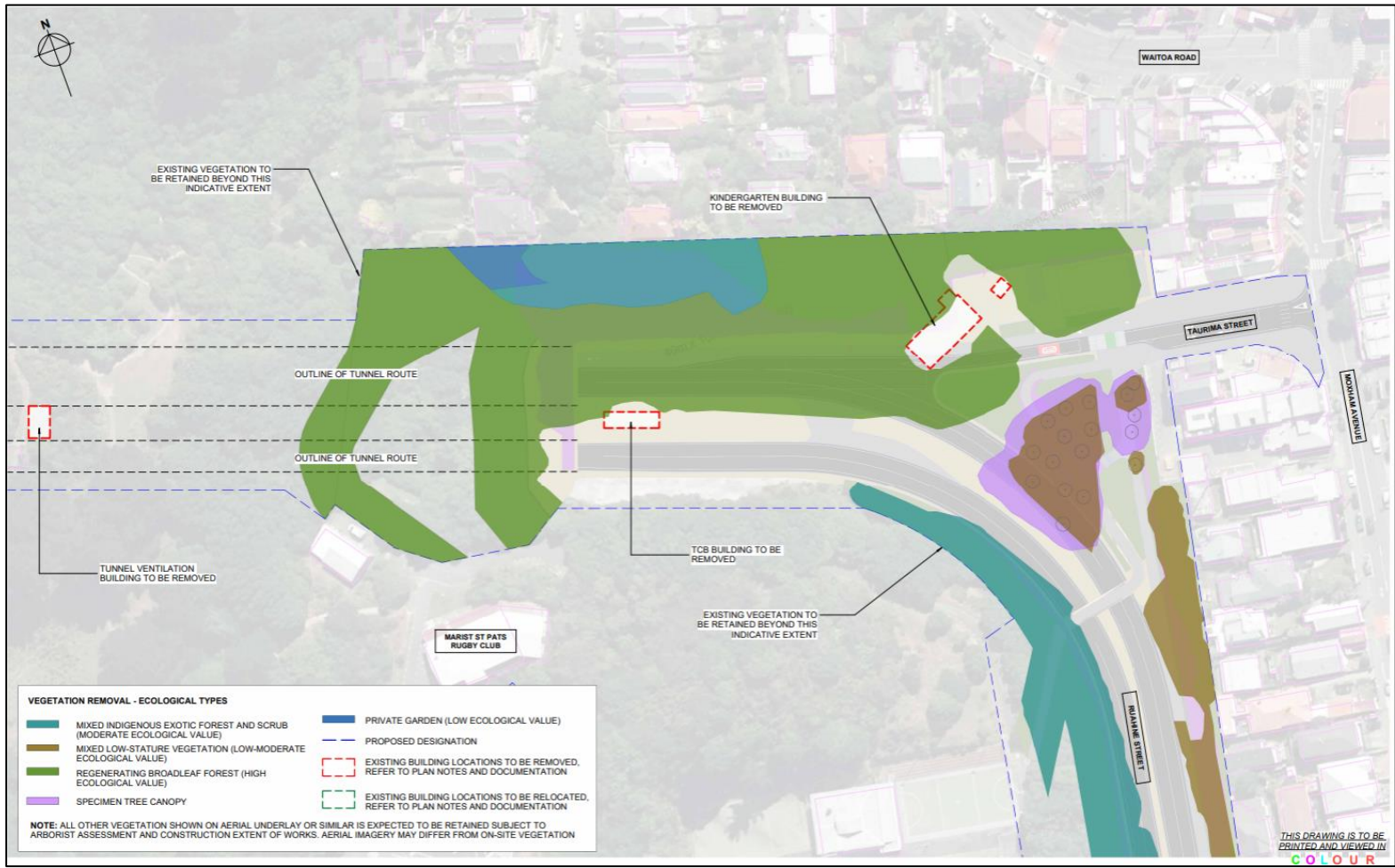
Attachment A

Historic Heritage Items subject to the Heritage Standard Management Protocol:

- Shell House, 96 The Terrace (WCDP 291)
- Franconia, 136 The Terrace (WCDP 452, HNZPT 1364)
- 192 The Terrace (WCDP 294, HNZPT 1404)
- 202, 206, 208 and 212 The Terrace (not scheduled)
- 214 The Terrace (WCDP 296)
- 216/218 The Terrace (not scheduled)
- 230 The Terrace (WCDP 298, HNZPT 1375)
- 236 The Terrace (HNZPT covenant),
- 244 The Terrace (WCDP 300, HNZPT 1373)
- 258 The Terrace (WCDP 301)
- 274 and 276 The Terrace (WCDP 302)
- Notable Tree 1 (255 The Terrace)
- 143 Dixon Street (WCDP 249)
- Dixon Street Steps (WCDP Heritage Area 3)
- The Basin Reserve Museum Stand (WCDP 449, HNZPT 1339)
- All other items of the Basin Reserve that collectively form the Basin Reserve Historic Area (HNZPT 7441), including all trees, the William Wakefield memorial (WCDP 11, HNZPT 1441) and steps, groundsman's shed, J.R. Reid and S.C. Dempster gates, fences, playing oval, manual scoreboard, lighting towers, R.A. Vance stand, toilets (south end), terraced seating and banks
- The Basin Reserve's perimeter pōhutukawa trees
- Government House gates and wall (WCDP 103, HNZPT 218)
- Park Mews, 54 Moxham Avenue (not scheduled)
- Second World War memorial to the fallen soldiers of the 19th Infantry Battalion and 19th Armoury Regiment, Town Belt Ruahine Street
- All Saints Church wall, 90 Hamilton Road (WCDP 220, HNZPT 1331)

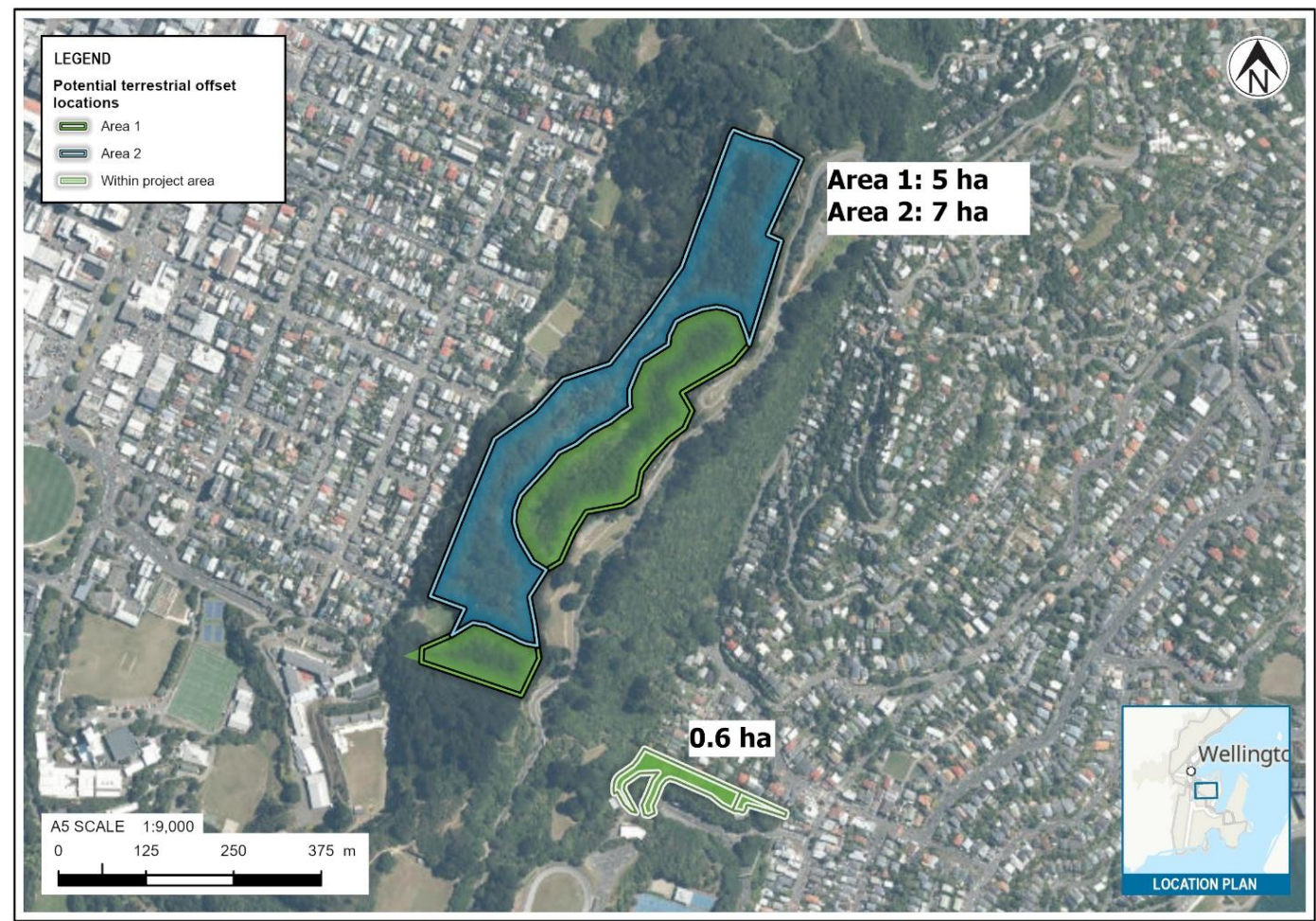
Attachment B

Vegetation clearance within the Wellington Town Belt in the Mt Victoria Tunnel area



Attachment C

Terrestrial vegetation and habitat offset areas



Greater Wellington Regional Council – Regional Consent Conditions

These consents authorise the activities under sections 9(1), 9(2), 12, 13, 14 and 15 of the Resource Management Act 1991 (RMA) including Resource Management (National Environmental Standards for Freshwater Management) Regulations 2020 (NES-FW) for the purposes of the construction, operation and maintenance of improvements to State Highway 1 from north of the Terrace Tunnel to near the intersection of Cobham Drive and Evans Bay Parade, Wellington City.

Consent Number	Condition
General Conditions	
RC.1	a) The consents shall lapse after 20 years unless they have been given effect, surrendered or been cancelled at an earlier date b) The consents shall expire after 35 years
RC.2	<i>In General Accordance</i> a) Subject to final design and except where amended through another process set out in these conditions e.g. certification of a management plan, the Project shall be undertaken in general accordance with the following plans: (i) General arrangement drawings SH1WI-DES-00-GEN-DRG-00111 to 00130 (ii) Tunnel Control Buildings - Proposed locations and typical plans SH1WI-DES-00-UDL-DRG-00302 to 00315 (iii) Key Cross Sections SH1WI-DES-00-UDL-DRG-00501 to 00511 (iv) Tunnel Portals SH1WI-DES-00-UDL-DRG-00701 to 00704 (v) Bridges - General Arrangement SH1WI-DES-00-STR-DRG-00101 to 00501 (vi) Stormwater Network - Overall Layout Plan SH1WI-DES-00-DNG-DRG-01100 to 01149 (vii) Stormwater - Typical Details SH1WI-DES-00-DNG-DRG-01105 to 01107 (viii) Erosion and Sediment Control - Overall Layout Plan SH1W1-DES-00-SED-DRG-01111 to 01116 b) Where any inconsistency arises between the documents in (a) above and: (i) The requirements of the following conditions, the conditions shall prevail (ii) The management plans under the following conditions, the requirements of the management plans shall prevail
RC.3	<i>Management Plans</i> a) Management plans shall: (i) Be prepared by a Suitably Qualified Person(s) (SQP); and (ii) Include sufficient detail to demonstrate how potential adverse effects associated with the activities and/or stage of work to which they relate will be managed

	b) Management plans may be submitted in parts or in stages to address specific activities or to reflect staged implementation of the Project
RC.4	<i>Certification Process</i> a) The management plans and design documentation listed below shall be submitted to Greater Wellington Regional Council at least twenty (20) Working Days prior to the anticipated start of construction, or commencement of the activity to which the management plan or design documentation relates, to be certified. The purpose of the certification is to confirm that the management plan has been prepared, or design completed, in accordance with the relevant condition(s) b) The following management plans and design documentation shall be submitted for certification: (i) Construction Air Quality Management Plan (ii) Erosion and Sediment Management Plan (iii) Site Specific Erosion and Sediment Control Plan(s) (iv) Construction Water Treatment Management Plan (v) Groundwater and Settlement Monitoring Contingency Plan (vi) Coastal Works Construction Management Plan (vii) Detailed design of stormwater treatment devices (Conditions RC.27 and RC.28) (viii) Hydraulic and hydrological model (Condition RC.32) c) Management plans and design documentation may be amended to reflect changes in design, construction methods, or management of potential adverse effects. The amended management plan or design documentation shall be submitted to Greater Wellington Regional Council for certification unless the amendment will result in: (i) No, or a de minimis, adverse impact on environmental outcomes; or (ii) An improved environmental outcome d) If a management plan (or amended management plan) or design documentation has been submitted to Greater Wellington Regional Council for Certification, and within 20 Working Days the Greater Wellington Regional Council has not certified it or has advised that it will not certify it without amendment, the management plan or design documentation will be deemed to have been certified, and the activity covered by it may proceed
RC.5	Any management plan shall be implemented, and the work carried out in accordance with that plan, for the duration of the construction activities or stage of work to which it relates
Mana Whenua Conditions	
RC.6	<i>Mana Whenua Steering Group</i> Engagement with the Mana Whenua Steering Group (MWSG) shall occur during detailed design to identify how cultural values will be reflected in the Project

RC.7	<i>Cultural Monitoring Plan</i> a) Prior to the start of construction, a Cultural Monitoring Plan (CMP) shall be prepared by a SQP identified in collaboration with the MWSG b) The purpose of the CMP is to set out the cultural monitoring methods and activities to be undertaken during Enabling Works and Construction Works c) To achieve this purpose, the CMP shall specify: (i) Requirements and protocols for cultural inductions for contractors and subcontractors (ii) Activities, sites and areas where cultural monitoring is required during particular construction works, and what that cultural monitoring will comprise; and (iii) The number of personnel who will undertake cultural monitoring, together with any geographic areas in which they will undertake it d) The CMP shall be submitted to Greater Wellington Regional Council for information
Air Quality Conditions	
RC.8	<i>Construction Air Quality Management Plan</i> a) A Construction Air Quality Management Plan (CAQMP) shall be prepared prior to the start of Construction Works b) The purpose of the CAQMP is to set out the management procedures and measures to be undertaken to avoid, remedy or mitigate potential adverse effects of emissions of dust associated with Construction Works as far as practicable c) To achieve this purpose, the CAQMP shall identify: (i) Activities with the potential to generate dust and sensitive receptors that may be affected (ii) Management and mitigation measures to control dust, proportionate to the scale, nature, and location of Construction Works (iii) Monitoring and inspection procedures, including visual monitoring and, where appropriate, targeted monitoring, or real-time monitoring in accordance with Condition RC.9 to assess the effectiveness of mitigation measures (iv) Trigger values and response procedures to be implemented if adverse dust effects are observed or reasonably anticipated (including during dry or windy conditions) (v) Procedures for responding to complaints, including investigation and corrective actions; and (vi) Roles and responsibilities for implementation and oversight of the CAQMP d) The CAQMP must have regard to the construction air quality management guidance contained in Ministry for the Environment 'Good practice guide for assessing and managing dust' 1 November 2016 (or any subsequent version)

RC.9	<i>Real-time dust monitoring at specific locations</i> a) Prior to the start of Construction Works at each of the Terrace Tunnel, the Mt Victoria Tunnel and on Moxham Avenue, real-time dust monitoring shall be installed at the following locations: (i) Adjacent to the northern portal of the Terrace Tunnel (ii) Adjacent to the western portal of the Mount Victoria Tunnel; and (iii) Adjacent to the church at 140 Moxham Avenue b) Real-time monitoring at each location shall include a weather station and a PM₁₀ monitor c) The weather station(s) shall be connected to a data management system capable of issuing automated text alerts to nominated personnel when the trigger values specified in the CAQMP are exceeded d) The weather station(s) shall be maintained for the duration of construction in accordance with AS/NZS 3580.14:2014 and the manufacturer's specifications e) Where an existing monitoring station is representative of ground-level PM₁₀ concentrations likely to be experienced at a location identified in a) and meets the requirements in b) to d), that existing station may be utilised in lieu of installing a new monitoring station
Erosion and Sediment Control Conditions	
RC.10	<i>Erosion and Sediment Management Plan (ESMP)</i> a) An Erosion and Sediment Management Plan (ESMP) shall be prepared prior to the start of Construction Works b) The purpose of the ESMP is to set out the management procedures and measures to be implemented during construction to minimise erosion and the discharge of sediment beyond the boundaries of the Project Site c) To achieve this purpose, the ESMP shall identify: (i) The location of the works (ii) The volume and duration of earthworks (iii) Catchment boundaries and contour information (iv) Construction activities and methodology (v) Erosion and sediment control measures for the works being undertaken within a particular construction area (vi) Supporting calculations and ESC drawings (vii) Earthworks programme and measures for the winter period between 1 May and 30 September (viii) Design details for managing the treatment, disposal and/or discharge of contaminants (e.g. tunnel water, concrete wash water) (ix) Pumping procedures where dewatering is required (x) Limits for TSS (100 g/m³) and pH (within the range of 6-9) at the discharge point (xi) Proposed construction water quality monitoring prior to discharge

	(xii) Response procedures and contingency measures if the limits for TSS and pH at the discharge point cannot be met; and (xiii) Response procedures and contingency measures in the event of unexpected or non-compliant discharges from the Site, including visual inspection at the coastal marine area (CMA) outlet where stormwater from the Project discharges to the marine environment to determine compliance with Condition RC.14
RC.11	<i>Site Specific Erosion and Sediment Control Plan(s)</i> a) Site Specific Erosion and Sediment Control Plan(s) (SSESCPs) shall be prepared prior to the start of Construction Works for each stage of the Project, or a specific activity, including as a minimum an SSESCP for each of the following areas: (i) Terrace Tunnel (ii) Mt Victoria Tunnel (iii) Basin Reserve; and (iv) Cut associated with the Ruahine Street widening, overbridge structure and access realignment works at Hataitai Park b) Each SSESCP shall address the requirements of the ESMP under Condition RC.10 but with the scope modified as appropriate to reflect the timing, location and scale of the works for each stage or specific activity
RC.12	Erosion and sediment control measures shall be installed and operational prior to any earthworks commencing and shall be maintained for the duration of the works until disturbed areas are stabilised in accordance with Condition RC.16
RC.13	No discharge of sediment-laden runoff beyond the boundary of the Project Site shall occur, except as expressly authorised by this consent
RC.14	a) Any discharge that can be attributed to the Project shall not, after reasonable mixing, give rise to any of the following effects in the CMA: (i) The production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials (excluding suspended sediment) (ii) Any conspicuous change in colour or visual clarity including any sediment plume; or (iii) Significant adverse effects on marine life b) In the event that any of these effects are observed, the cause shall be investigated and a response determined, in consultation with the MWSG
RC.15	<i>Construction Water Treatment Management Plan (WTMP)</i> a) A Construction Water Treatment Management Plan (WTMP) shall be prepared prior to the start of Construction Works b) The purpose of the WTMP is to set out the management approach for construction water management where it cannot be managed using standard erosion and sediment control approaches and requires a specific water treatment plan e.g. use of containerised treatment systems c) To achieve this purpose, the WTMP shall include:

	(i) Treatment system overview (ii) Treatment design flow (iii) Treatment plant performance (iv) Water discharge limits in accordance with the ESMP requirements (v) Disposal of contaminated water (vi) Recording plant performance and monitoring (vii) Storage and handling of treatment; and (viii) Emergency spill response plan
RC.16	<i>Stabilisation</i> a) Disturbed areas shall be stabilised against erosion as soon as practicable, and in a progressive manner, as earthworks are completed b) If areas are stripped and exposed to erosion, and works are not to occur within that area within a subsequent 14-day period, then stabilisation shall occur. This may include temporary stabilisation during staging of earthworks
RC.17	<i>Spill Management Protocols</i> The following site and spill management protocols shall be implemented to the extent practicable for all Construction Works: a) Safe procedures for the operation, refuelling and maintenance of plant b) Use of equipment to avoid discharges of fuels or lubricants to coastal environments, streams, wetlands or the stormwater network, including undertaking refuelling on a hard stand that has been prepared for refuelling purposes c) Safe storage of fuels, lubricants, hazardous and/or dangerous materials to avoid discharges to coastal environments, streams, wetlands or the stormwater network; and d) Provision of emergency spill response equipment and procedures
Ecology Conditions	
RC.18	<i>Coastal Works Construction Management Plan (CWCMP)</i> a) A Coastal Works Construction Management Plan shall be prepared prior to commencement of any Construction Works within the CMA b) The CWCMP shall include: (i) A description and programme of the CMA works (including demolition/removal of existing outfall elements, new outfall installation, and any revetment works) (ii) A description of tidal or sea-state constraints for CMA works and the procedures for postponing works during unsuitable conditions (iii) Drawings showing the proposed CMA works footprint, including where plant and machinery will operate from and how temporary access (if any) will be managed

	(iv) Methods and controls to minimise disturbance and discharges of contaminants to the CMA (v) Methods to protect marine fauna and habitat from crushing/compaction (vi) A Marine Biosecurity Management Procedure to minimise the risk of spreading marine pest organisms (including <i>Undaria pinnatifida</i>), including: • Inspection of structures/materials prior to removal • Methods for containment, removal, and disposal • Cleaning of equipment and vessels (if used) before relocating to other sites; and • Appropriate disposal (e.g., to landfill) of removed biosecurity risk material (vii) Monitoring and reporting protocols c) The MWSG shall be consulted during preparation of the CWCMP
RC.19	All demolition debris and removed materials (including any contaminated sediments/materials, redundant pipework, shotcrete, rubble, or loose revetment material) shall be contained and removed from the CMA as soon as practicable and disposed of at an appropriately authorised facility. No waste, demolition debris, or spoil shall be permanently disposed of in the CMA
RC.20	On completion of CMA works, all temporary works, equipment, and debris shall be removed from the CMA and the work area shall be reinstated to a stable condition. Any accidental deposition of material outside the approved footprint shall be recovered where practicable
RC.21	<i>Kororā Management Plan</i> a) The approved Kororā Management Plan (KMP) shall be implemented during all Construction Works that have the potential to result in disturbance of kororā / little penguin (<i>Eudyptula minor</i>) habitat b) The purpose of the KMP is to set out the framework to manage potential adverse effects on kororā associated with Construction Works, as far as practicable c) Cultural protocols/tikanga specific to works potentially impacting kororā shall be implemented, in consultation with the MWSG
RC.22	<i>Kororā Burrows and Habitat Compensation</i> a) Habitat rehabilitation shall be provided, above the Evans Bay outfall, to compensate for the effects of the Project on kororā burrows and habitat, and shall include: (i) Six new kororā nesting structures in the form of nest boxes or concrete culverts partially dug into the substrate; and (ii) 60 m² of coastal revegetation, with a permanent fence around this revegetated area to prevent kororā access to the road corridor and to deter predators and dogs b) Habitat established under this condition shall be established as soon as practicable, but within 1 year, after the completion of the relevant stage of Construction Works

	c) Habitat established under this condition shall be monitored and maintained for a minimum of five years following establishment and: (i) Any nest boxes that are blocked by debris must be cleared and any nest boxes that are damaged or dilapidated must be repaired or replaced (ii) Weed control and replacement or infill planting provided as necessary; and (iii) Any damage to the fence, that would allow kororā to access to the road corridor, or predator or dog access to the kororā habitat, must be repaired d) Habitat rehabilitation shall be implemented following consultation with the MWSG on this matter
RC.23	<i>Town Belt Wetland Compensation</i> a) The consent holder shall provide compensation for the anticipated loss of wetland extent and value within the Wellington Town Belt b) Subject to the agreement of the landowner, the compensation shall be in the form of terrestrial gully planting and shall: (i) Be undertaken under the guidance of a SQP (ii) Be provided in the location shown in Attachment C (iii) Cover a minimum area of 5,000 m², based on the estimated 885 m² wetland loss (with the minimum compensation area to be adjusted as necessary at the direction of a SQP based on the final area of wetland loss) (iv) Comprise a broadleaf forest mix which includes wet adapted species in and around the gully floor (v) Be undertaken in consultation with the MWSG; and (vi) Be monitored and maintained, including undertaking weed control, pest management and replacement planting as necessary, for a minimum of five years following revegetation/restoration planting or until 80% canopy cover is achieved (whichever is achieved first) c) If the agreement of the landowner is not secured for carrying out the compensation as set out in (b), alternative compensation actions shall be implemented by the consent holder. Any alternative compensation shall: (i) Be developed under the guidance of an SQP (ii) Be developed and undertaken in consultation with the MWSG (iii) Be designed to achieve an ecological outcome that is equivalent to the compensation set out in (b)
Groundwater and Settlement Conditions	
RC.24	<i>Ground Settlement Performance Standards</i> Within the 'Yellow zone' as shown in Attachment A, all excavations, dewatering systems, retaining structures and associated works (including backfilling) for the Project's construction and operation must be designed and constructed to avoid damage that exceeds the Serviceability Damage category descriptions for buildings, structures and Services as detailed in the Building, Structure and Service Damage

	Classification Table in Attachment B. The extent of 'Yellow zone' area may be subject to amendment during detailed design to adequately capture all areas warranting pre-condition survey
RC.25	Beyond the 'Yellow zone' as shown in Attachment A, all excavations, dewatering systems, retaining structures and associated works (including backfilling) for the Project's construction and operation must be designed and constructed to avoid damage that exceeds the "Negligible" damage category description as detailed in the Building, Structure and Service Damage Classification Table in Attachment B, or otherwise remedied. The extent of 'Yellow zone' area may be subject to amendment during detailed design
RC.26	<i>Groundwater and Settlement Monitoring Contingency Plan (GSMCP)</i> a) A Groundwater and Settlement Monitoring Contingency Plan (GSMCP) shall be prepared prior to the Commencement of Construction Dewatering and/or Bulk Excavation b) The purpose of the GSMCP is to set out the processes and procedures to be adopted to monitor and respond to ground settlement caused by groundwater drawdown, temporary or permanent excavations, and/or tunnelling causing deflections of nearby buildings, structures and Services c) To achieve this purpose, the GSMCP shall include: (i) A monitoring location plan, showing the location and type of monitoring stations including groundwater monitoring bores, ground and building deformation pins, and retaining wall deflection pins (ii) Alert and alarm level triggers to monitor for potential ground settlement, building and retaining wall deformation (iii) A schedule for groundwater monitoring to be undertaken, including: • Prior to Commencement of Construction Dewatering and/or Bulk Excavation, to determine baseline conditions and so that seasonal variation can be examined • During Construction Dewatering and/or Bulk Excavation; and • For 12 months following Completion of Construction Dewatering and/or Bulk Excavation (iv) A schedule for settlement and deflection monitoring and condition surveys (for buildings, structures and Services) to be undertaken for the purpose of monitoring compliance with the Damage limits in Conditions RC.24 and RC.25, including: • Prior to the Commencement of Construction Dewatering and/or Bulk Excavation, to determine baseline conditions • During Construction Dewatering and/or Bulk Excavation • For 12 months following Completion of Construction Dewatering and/or Bulk Excavation, or until the settlement and deflection monitoring indicates movement is no longer occurring at a level that may result in damage to buildings, structures or services (v) Details of the mitigation, remediation and contingency actions to be implemented if alert or alarm level triggers, or Damage limits (where verified that the Damage is more likely than not to have been caused, or exacerbated by, the Project) are exceeded

Stormwater and Water Treatment Conditions

RC.27	<i>Stormwater quality management</i> a) Stormwater from the impervious roadway of the Project shall be directed to a stormwater treatment system before it is discharged to the environment b) The stormwater treatment system shall be designed to achieve a Best Practicable Option (BPO) for treatment, and shall incorporate: (i) Catchpit filters for existing and new catchpits (ii) Where space and level constraints permit, bioretention devices for treatment (iii) Where space constraints prevent the use of bioretention devices, proprietary treatment devices
RC.28	a) The detailed design of the stormwater treatment devices shall be submitted to the Greater Wellington Regional Council for certification against the requirements in Condition RC.27 prior to the start of construction of the proposed stormwater treatment devices b) The final detailed stormwater treatment device design shall include: (i) Drawings (ii) Specifications (iii) Design report(s), including: • Calculations • Catchment plans detailing the area contributing to each stormwater management device; and • Where relevant, planting plans for the stormwater management devices
RC.29	All permanent stormwater devices shall be constructed in general accordance with the design(s) certified in Condition RC.28
RC.30	a) A Stormwater Maintenance Plan (SMP) shall be prepared by a SQP within three months of certification being provided under Condition RC.28 b) The purpose of the SMP is to set out the operation and maintenance requirements, to be implemented by NZTA's maintenance contractor, to maintain performance of treatment devices c) The SMP shall be prepared in consultation with the MWSG. The purpose of this consultation is to support recognition of the cultural importance of the piped awa and coastal marine receiving environments for stormwater from the Project d) A copy of the SMP shall be supplied to Greater Wellington Regional Council for information
RC.31	a) Water that is discharged into the Wellington City stormwater system from: (i) Groundwater ingress water from the Terrace Tunnel, Sussex Street Trench and Mt Victoria Tunnel; and (ii) Deluge water collected from the Terrace Tunnel and Mt Victoria Tunnel following tunnel washdown, accidental spill, or firefighting activities

	a. shall comply with the following water quality standards: • TSS (100 g/m³) • pH (within the range of 6-9) b) If the required water quality standards are not being met, the water shall be either: (i) Discharged to the wastewater network; or (ii) Disposed of to a facility consented to receive contaminated water
RC.32	<i>Flooding</i> a) For events up to and including the 1% Annual Exceedance Probability (AEP) event, including accounting for climate change (Representative Concentration Pathway (RCP) 6.0 to the year 2110), the Project shall be designed so that it does not result in either: (i) An increase in flooding levels greater than 50 mm vertically outside the altered Designation area for the Project; or (ii) An increase in flooding above floor level to any existing habitable building outside the Designation b) The peak flood levels and flood flows for pre-development and post-development of the Project shall be compared upstream and downstream at the boundary of the Project Site c) Compliance with this condition shall be demonstrated by a hydraulic and hydrological model which shall be submitted to the Greater Wellington Regional Council for certification against the requirements in (a) prior to the start of Construction Works
Post-Construction Conditions	
RC.33	<i>Permanent Occupation of the CMA</i> As-built plans of all structures occupying the CMA shall be submitted to the Greater Wellington Regional Council for information within 3 months of completing construction of the structures in the CMA
RC.34	<i>Stormwater as-built plans</i> As-built plans of the stormwater management system for the Project shall be submitted to the Greater Wellington Regional Council for information within 3 months of completing construction of the stormwater management system. Plans may be submitted in stages, reflective of the staged implementation of the Project (if applicable)

Attachment A

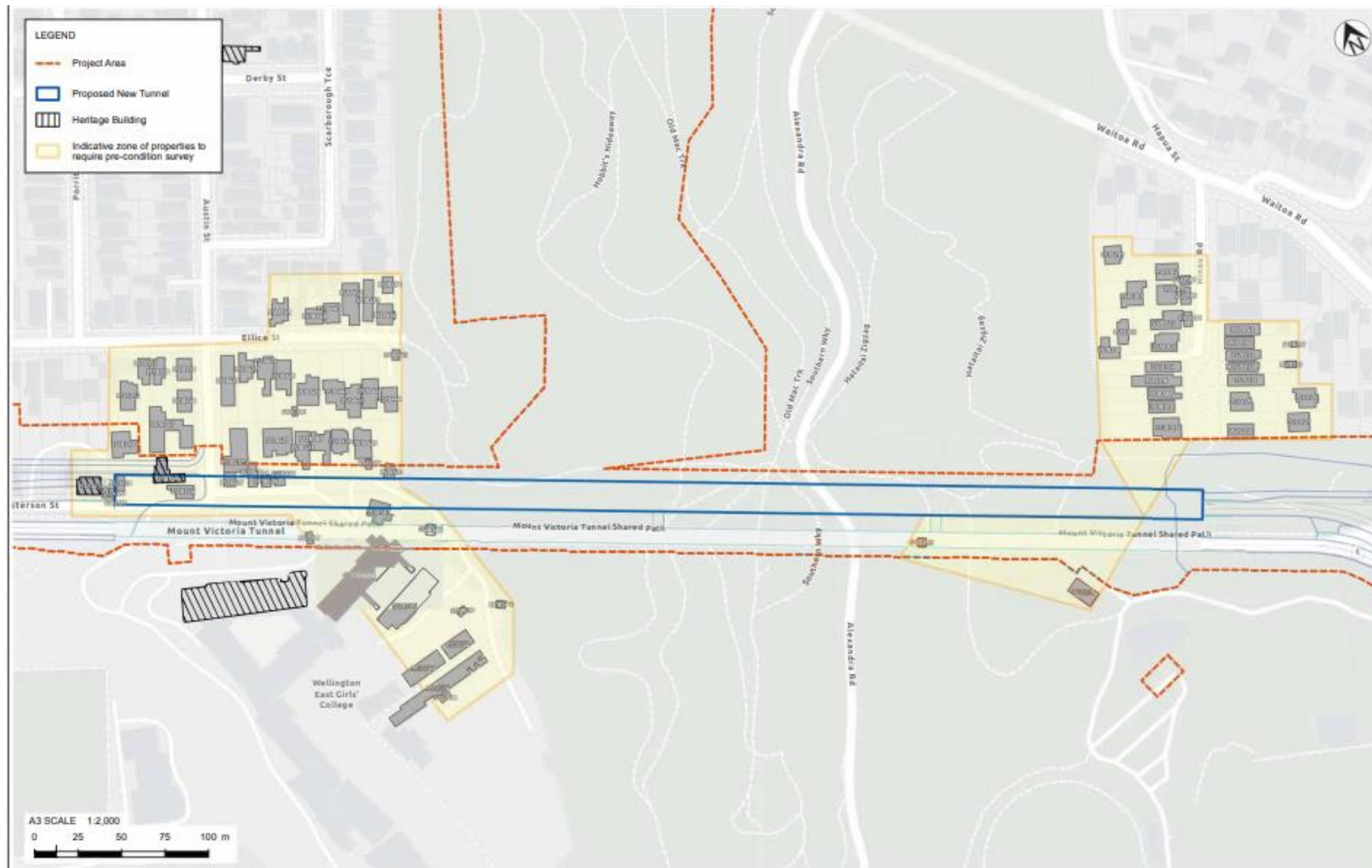
Indicative Yellow Zone – buildings identified as requiring a pre-condition survey (Terrace)



Indicative Yellow Zone – buildings identified as requiring a pre-condition survey (Basin Reserve)



Indicative Yellow Zone – buildings identified as requiring a pre-condition survey (Mount Victoria)



Attachment B

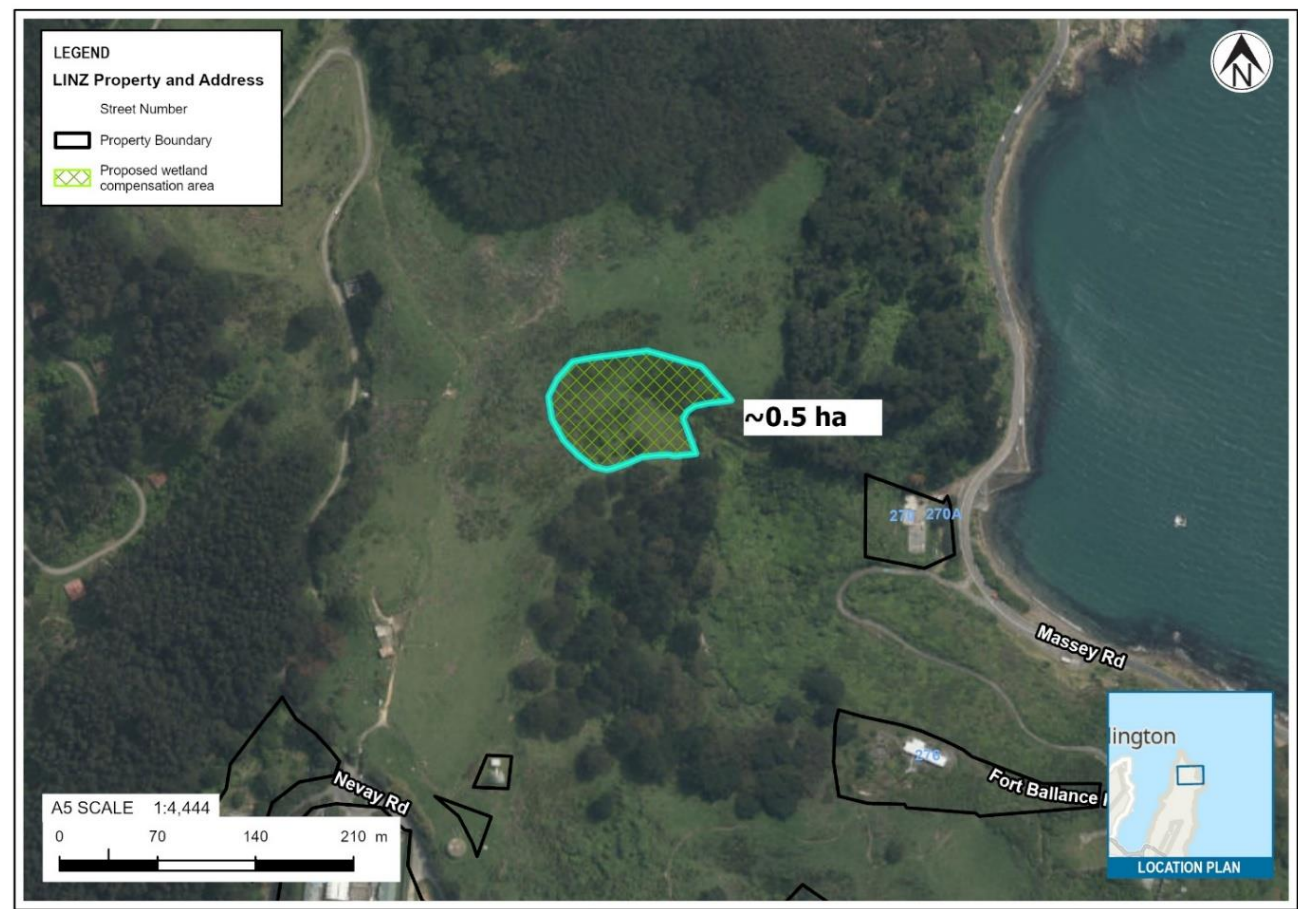
Building, Structure and Service Damage Classification Table (Building Damage Classification after Burland (1997), and Mair et al (1996))

Category of damage	Normal degree of severity	Description of typical damage	General category	Actions required
0	Negligible	Hairline cracks. Typical crack width <0.1mm.	Aesthetic damage	Negligible effects – no mitigation required
1	Very slight	Fine cracks easily treated during normal redecoration. Perhaps isolated slight fracture in building. Cracks in exterior visible upon close inspection. Typical crack widths up to 1mm.		Aesthetic damage effects – to be mitigated
2	Slight	Cracks easily filled. Redecoration probably required. Several slight fractures inside building. Exterior cracks visible, some repainting may be required for weather-tightness. Doors and windows may stick slightly. Typically crack widths up to 5mm.		
3	Moderate	Cracks may require cutting out and patching. Recurrent cracks can be masked by suitable linings. Brick pointing and possible replacement of a small amount of exterior brickwork may be required. Doors and windows sticking. Utility services may be interrupted. Weather tightness often impaired. Typical crack widths are 5mm to 15mm or several greater than 3mm.	Serviceability damage	Serviceability limit (interface between Damage Category 2 “Slight” and Damage Category 3 “Moderate”)
4	Severe	Extensive repair involving removal and replacement of walls especially over door and windows required. Window and door frames distorted. Floor slopes noticeably. Walls lean or bulge noticeably. Some loss of bearing in beams. Utility services disrupted. Typical crack widths are 15mm to 25mm but also depend on the number of cracks.		Serviceability damage effects – to be avoided
5	Very severe	Major repair required involving partial or complete reconstruction. Beams lose bearing, walls lean badly and require shoring. Windows broken by distortion. Danger of instability. Typical crack widths are greater than 25mm but depend on the number of cracks.	Stability damage	Stability damage effects – to be avoided

Note: ‘Description of Typical Damage’ applies to Masonry buildings only. The ‘General Category’ applies to all buildings.

Attachment C

Compensation location at Mātai Moana



Wellington City Council – District Consent Conditions

Disturbance of contaminated sites, earthworks and vegetation removal within the Wellington Town Belt

Condition Number	Condition
WCC.1	This consent shall lapse after 20 years unless it has been given effect, surrendered or been cancelled at an earlier date
Contaminated Site Management Conditions	
WCC.2	Prior to commencement of earthworks on land at Gazley Mitsubishi SLUR Site SN/05/230/02, further soil and groundwater investigations shall be undertaken by a Suitably Qualified Person (SQP) and a report prepared to summarise the results. This report is to be submitted to the Wellington City Council for information. The further investigations may be undertaken in stages, reflective of the staged implementation of the Project (if applicable)
WCC.3	<i>Contaminated Soils Management Plan</i> A Contaminated Soils Management Plan (CSMP) shall be prepared and submitted to Wellington City Council for certification. a) The purpose of the CSMP is to identify measures to manage potential risks from disturbance of contaminated soils to the health of workers and the environment at the following locations: (i) Gazley Mitsubishi SLUR Site SN/05/230/02 (ii) Kilbirnie Park SLUR Site SN/05/012/02, in the event that dewatering is required for Construction Works within Kilbirnie Park b) The CSMP shall be prepared by a SQP, in accordance with the Ministry for the Environment Contaminated Land Management Guidelines No.1 Reporting on contaminated sites in New Zealand, and Contaminated Land Management Guidelines No.5 Site investigation and analysis of soil, and shall contain: (i) Measures to avoid, remedy or mitigate risks identified through the report required by Condition WCC.2 (ii) Measures to avoid, remedy or mitigate effects from discharges from any dewatering during Construction Works within Kilbirnie Park; and (iii) Procedures for managing accidental or unexpected discoveries during construction works The CSMP may be prepared in stages, reflective of the staged implementation of the Project (if applicable).

WCC.4	<i>Works Completion Report</i> Within three months of the completion of earthworks on the land listed in Condition WCC.3, a Works Completion Report shall be prepared by a SQP and submitted to Wellington City Council for information. The Works Completion Report shall include: a) A summary of the works undertaken b) Details, results and interpretation of any testing undertaken, including soil sampling for disposal purposes c) Records/evidence of the appropriate disposal for any material removed from the site(s) d) Details of any validation sampling undertaken on materials re-used or imported to site(s); and e) Summary of the finished condition of the site(s) including any known or suspected contaminated soil remaining
WCC.5	<i>Asbestos and Lead in Soils</i> Prior to the demolition of any buildings within the Project Site that were: a) Built prior to the year 2000; or b) Where asbestos containing materials are likely to be present A survey shall be undertaken by a SQP to advise on the presence of asbestos and/or lead in soils
WCC.6	Where the survey undertaken in accordance with Condition WCC.5 confirms the presence of asbestos, the concentrations of asbestos and lead in soils shall be assessed, post-demolition
WCC.7	<i>Unexpected Contamination Discovery Protocol</i> During earthworks across the Project Site including within berm soils and unclassified fill soils, if evidence of unidentified contamination is discovered (such as stained or odorous soil, ash, coal tar in asphalt or road base, charcoal, rubbish or hardfill, or asbestos-containing material) the following shall be implemented: a) Excavation and earthworks shall cease in the relevant area, the area secured to stop people entering where potential contamination was encountered, and then: b) A SQP shall be contacted for further advice c) Within 10 working days the Wellington City Council shall be informed in writing of the identification of potential contamination and those actions being undertaken to address the matter; and d) Where material excavated cannot be reused on site it shall be disposed of at an approved facility that is relevant for the level of contamination
WCC.8	<i>Site-Specific Soil Management Plan(s)</i> Where: a) The post-demolition assessment undertaken in accordance with Condition WCC.6 confirms the presence of residual asbestos and/or lead in soils; and/or b) Contaminated berm and unclassified fill soils, or coal tar are encountered and identified via Condition WCC.7

	A Site-Specific Soil Management Plan or Plans (SS-SMPs) shall be prepared to manage risks arising during earthworks on the identified sites
WCC.9	<i>Long Term Site Management Plan(s)</i> Where site validation undertaken in accordance with Condition WCC.4 determines that known or suspected contaminated soil remains on either site identified in Condition WCC.2 or a SQP considers other long term contamination exposure risk remains following the Completion of Works, a Long Term Site Management Plan (LTSMP) shall be prepared for the relevant site(s). The LTSMP shall include: a) The nature, spatial extent and degree of residual soil contamination remaining within the site; and b) General and site-specific procedures for managing contamination including: (i) Measures to maximise the reuse of contaminated soil where practicable (ii) Measures for classifying surplus soils to inform disposal options (iii) Procedures for managing accidental or unexpected discoveries of contamination during operational works (iv) Health and Safety requirements; and (v) Roles and responsibilities of parties to the LTSMP The LTSMP may be prepared in stages, reflective of the staged implementation of the Project (if applicable)
General Earthworks and Vegetation Removal Conditions – Wellington Town Belt	
WCC.10	Vegetation removal, and associated earthworks, under this consent: a) Shall only occur in the locations as shown on SH1WI-DES-00-GEN-DRG-00140 b) Shall only occur for the purposes of implementing the Terrestrial Vegetation and Habitat Offset associated with the State Highway 1 Wellington Improvements Project and required under NZTA-1 Designation Condition DC.37; and c) Shall be limited to the extent required to implement the Terrestrial Vegetation and Habitat Offset associated with the State Highway 1 Wellington Improvements Project as required by NZTA-1 Designation Condition DC.37
WCC.11	All earthworks must be managed such that no debris, soil, silt, sediment or sediment-laden water is discharged beyond the area as shown in General arrangement drawing SH1WI-DES-00-GEN-DRG-000140 to either land, stormwater drainage systems, watercourses or receiving waters. In the event that a discharge occurs, works causing that discharge must cease immediately, or as soon as practicable, and the discharge must be mitigated and/or rectified