

AUCKLAND UNITARY PLAN
INDEPENDENT HEARINGS PANEL

Te Paepae Kaiwawao Motuhake o te Mahere Kotahitanga o Tāmaki Makaurau

Report to Auckland Council
Hearing topic 074 Designations

Auckland Transport

Minor matters and errors

May 2016

Report first prepared by David Wren in accordance with the Auckland Unitary Plan Independent Hearing Panel procedure and in accordance with section 142 of the Local Government (Auckland Transitional Provisions) Act 2010, on 31 August 2015, updated 7 October 2015 and 15 February 2016.

Adopted as Auckland Unitary Plan Independent Hearings Panel recommendations in accordance with the Auckland Unitary Plan Independent Hearing Panel procedure and in accordance with section 144 of the Local Government (Auckland Transitional Provisions) Act 2010 on date of signature.

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1. Introduction

The purpose of this report is to provide an assessment and recommendation in relation to modifications to and submissions on designations classified by the Independent Hearings Panel as minor matters and errors. This classification applies where there is a:

- i. modification to a designation and no submissions;
- ii. rollover of a designation with no modification and submissions lodged by the requiring authority or others (submissions to correct errors or address minor matters);
- iii. modification to a designation and submissions lodged by the requiring authority or others (modifications address minor matters and submissions to correct errors or address minor matters);
- iv. where the modification involves changes to the boundary to incorporate additional land and the requiring authority has an interest in the land sufficient for undertaking the proposed work.

2. Assessment

Errors do not require an assessment. The assessment applies the following criteria.

Does the modification/submission:

- i. involve no more than a minor change to the effects on the environment associated with the use or proposed use of land or any water concerned? or
- ii. involve only minor changes or adjustments to the boundaries of the designation?

See section 6 of this report for the application of these criteria to the individual designations.

On the basis of the assessment, this report concludes that the modifications and designations in section 6 meet the above criteria.

3. Recommendation to Panel

That the Panel recommends to Auckland Council the modifications/designation be confirmed as set out in section 6.

Author	David Wren
Author's Signature	
Date	31 August 2015 (and 7 October 2015 and 15 February 2016)

4. Panel recommendations to Auckland Council

6.1. Notices of requirement for new designations included in the Proposed Auckland Unitary Plan at the time of notification.

The Panel recommends to Auckland Council that it recommends to the requiring authority that the notice of requirement R1405 be withdrawn.

6.2. Notices of requirement for existing designations included in the Proposed Auckland Unitary Plan with or without modification on which submissions have been lodged; and where issues have been resolved, by mediation, direct discussions, the evidence exchange process, or where submissions were not pursued, or left unrepresented by evidence at the hearing.

- i. The Panel recommends to Auckland Council that it recommends to the requiring authority that the notices of requirement 1607 and 1608 be withdrawn.
- ii. The Panel recommends to Auckland Council that it recommends to the requiring authority that the notices of requirement 1408, 1418, 1422, 1423, 1424, 1425, 1426, 1427, 1467, 1469 and 1574 be confirmed subject to the further modifications included in Attachment 1 and Attachment 2.

5. Panel reasons

The reasons for the Panel's recommendation are set out in section 6 below.

Panel Chair	David Kirkpatrick
Chair's Signature	
Date	18 May 2016

6. Assessment of modifications and designations

Requiring authority	Auckland Transport	
Designation number (s)	R1405: Car Park - Percy Street 1408: Car Park - Rawene Road and Hinemoa Street 1418: Car Park - Kitchener Road 1422: North Shore Busway - Onewa Road 1423: Akoranga Station 1424: Akoranga Station Link Road - Takapuna Landing 1425: Akoranga Pedestrian Overbridge 1426: Westlake Station 1427: Sunnynook Station 1467: Road Widening - Hobsonville Road 1469: Albany Highway 1574: Service Lane - Hepburn Street to Picton Street 1607: Car Park - Great North Road 1608: St Lukes Proposed Regional Road	
Designation purpose	R1405:	Public off-street parking, including ongoing maintenance, repairs and like for like replacement works to the existing parking facility and minor operational improvements to the same.
	1408:	Public car park(s).
	1418:	Public car park.
	1422:	To enable modifications to be undertaken in the vicinity of the Onewa Road and Sylvan Avenue intersection to provide priority access to the North Shore Busway for buses/high occupancy vehicles, and improving the safety and efficiency of the intersection and the Onewa Interchange.
	1423:	Akoranga Station - for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles.
	1424:	Akoranga Station Link Road - for the construction, operation and maintenance of a road.
	1425:	Akoranga Pedestrian Overbridge - for the construction, operation and maintenance of a pedestrian overbridge.
	1426:	Westlake Station - for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles.
	1427:	Sunnynook Station - for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and

		high occupancy vehicles.
	1467:	Road widening. 1. Hobsonville Road from Brighams Creek Road to Upper Harbour Drive: a. 11.5m from centre line (both sides); and b. 1.44m from the existing boundary (both sides). 2. Hobsonville Road from a point adjacent to Pt 15 SO 2599, being approximately 500mm from the Brighams Creek- Hobsonville Road intersections to a second point at the corner opposite Pt 25 DP 41296: a. 13m from the centre line (west side only); and b. 2.88m from the existing boundary (west side only).
	1469:	Road widening and improvement works.
	1574:	Proposed service lane - 6m width.
	1607:	Council car park.
	1608:	Proposed regional road.
Location	R1405:	8 Percy Street, Warkworth.
	1408:	17A Rawene Road and 204 Hinemoa Street, Birkenhead.
	1418:	139 Kitchener Road, Milford.
	1422:	Onewa Road and Sylvan Avenue, Northcote.
	1423:	20 Takapuna Landing, Takapuna.
	1424:	Takapuna Landing, Takapuna.
	1425:	20 Takapuna Landing (Akoranga Station), Takapuna (over State Highway 1) to 72 Akoranga Drive (Akoranga Campus), Northcote.
	1426:	Shakespeare Road (adjoins 78 Taharoto Road), Takapuna.
	1427:	168Z Sunnynook Road, Sunnynook.
	1467:	Hobsonville Road from Brighams Creek Road to Upper Harbour Drive and Brighams Creek Road and Hobsonville Road intersection, Hobsonville.
	1469:	Albany Highway, Albany.
	1574:	Service Lane from Hepburn Street to Picton Street, Ponsonby.
	1607:	956-990 Great North Road, Western Springs.
	1608:	Western side of St Lukes Road, St Lukes.
Designation given effect to	R1405:	Given effect to (i.e. no lapse date).
	1408:	Given effect to (i.e. no lapse date).
	1418:	Given effect to (i.e. no lapse date).
	1422:	Given effect to (i.e. no lapse date).
	1423:	Given effect to (i.e. no lapse date).
	1424:	Given effect to (i.e. no lapse date).
	1425:	Given effect to (i.e. no lapse date).
	1426:	Given effect to (i.e. no lapse date).

	1427:	Given effect to (i.e. no lapse date).
	1467:	No
	1469:	No
	1574:	No
	1607:	Given effect to (i.e. no lapse date).
	1608:	Given effect to (i.e no lapse date).
Lapse date in Proposed Auckland Unitary Plan if not marked as 'given effect to' in the Proposed Auckland Unitary Plan	1467:	Five years from being operative in the Unitary Plan unless given effect to prior.
	1469:	Five years from being operative in the Unitary Plan unless given effect to prior.
	1574:	Twelve years from being operative in the Unitary Plan unless given effect to prior.
Land owned by the requiring authority	R1405:	No.
	1467:	Partial. (Some land is owned by Auckland Council)
	1574:	No.
	1607:	No.
Description of the modification in the rollover	NA	
Assessment of rollover modifications and reasons	NA	
Submitters and summary of relief sought in submissions	R1405:	Auckland Council 5716-2653: Delete designation R1405 from designation schedule (the designation is in the schedule but not in the maps).
	1408:	Auckland Council 5716-2654: Transfer the designation over the library at 204 Hinemoa Street to [Auckland Council].
	1422:	Auckland Council 5716-2655: Update references to legacy councils and guidelines. Condition 1.5 references a joint Project Governance Team of "NSCC", condition 5.1-5.7 reference "ARC", condition 7.1 related to Transit guidelines not New Zealand Transport Agency. [Note also addressed in the report on moderately complex matters (IHP Report to AC_074 Auckland Transport 2016-05-18).]
	1423:	Auckland Council 5716-2656: Update references to legacy councils and guidelines. Condition 1.5 references a joint Project Governance Team of "NSCC", condition 5.1-5.7 reference "ARC", condition 7.1 related to Transit guidelines not New Zealand Transport Agency.
	1424:	Auckland Council 5716-2657: Update references to the former councils of Auckland and guidelines. Condition 1.5 references a joint Project Governance Team of "NSCC", condition 5.1-5.7 reference "ARC", condition 7.1 related to

		Transit guidelines not New Zealand Transport Agency.
	1425:	Auckland Council 5716-2658: Update references to legacy councils and guidelines. Condition 1.5 references a joint Project Governance Team of "NSCC", condition 5.1-5.7 reference "ARC", condition 7.1 related to Transit guidelines not New Zealand Transport Agency.
	1426:	Auckland Council 5716-2659: Update references to legacy councils and guidelines. Condition 1.5 references a joint Project Governance Team of "NSCC", condition 5.1-5.7 reference "ARC", condition 7.1 related to Transit guidelines not New Zealand Transport Agency.
	1427:	Auckland Council 5716-2660: Update references to legacy councils and guidelines. Condition 1.5 references a joint Project Governance Team of "NSCC", condition 5.1-5.7 reference "ARC", condition 7.1 related to Transit guidelines not New Zealand Transport Agency.
	1467:	Auckland Council 5716-2664: Amend requiring authority to Auckland Transport.
	1469:	Auckland Council 5716-2666: Update table to correct requiring authority to Auckland Transport Auckland Council 5716-2667: Amend schedule to read: 1469, Road widening and improvement works, Albany Highway, Albany.
	1574:	Auckland Council 5716-2670: Include a new line in the schedule for designation: 1574 Proposed Service Lane Hepburn Street to Picton Street, Central Auckland.
	1607:	Auckland Council 5716-2671: Delete designation in Schedule and text and maps - Designation 1607.
	1608:	Auckland Council 5716-2672: Delete from schedule (not mapped in Proposed Auckland Unitary Plan viewer).
Assessment of submissions and reasons	<p>The submissions correct minor errors in the conditions, delete designations added in error and amend designation map references.</p> <p>Auckland Transport agrees to all changes proposed by Auckland Council in their submission and these are recommended. This includes withdrawal of 1607 and 1608.</p> <p>The amendments involve no more than a minor change to the effects on the environment associated with the use or proposed use of land or any water concerned.</p>	
Recommendation to Panel	<p>That the Panel recommends to Council that:</p> <p>The designations set out in Section 5 are confirmed with all amendments set out in section 5 and also in Attachments 1</p>	

	and 2; except for R1405, 1607 and 1608 which are to be withdrawn. Note: R1405 and 1608 appear in the Proposed Auckland Unitary Plan schedule but not in the maps.
Response from requiring authority	Agrees with the above recommendations to Panel.
Recommendation from Panel	<p>The Panel agrees with the report writer's recommendations and also recommends that the lapse date should be expressed as a specific date rather than in "XX years from when the Unitary Plan is made operative" or "XX years". This approach has been accepted by a number of requiring authorities, along with agreement on an assumed date of 31 August 2017 for when the Unitary Plan will become operative.</p> <p>The Panel therefore recommends that the lapse dates for: Designations 1467 and 1469 be amended as follows:</p> <p>Designations 1467 Five years from being operative in the Unitary Plan <u>31 August 2022</u> unless given effect to prior.</p> <p>Designation 1469 Five years <u>31 August 2022</u> unless given effect to prior.</p>
Reasons	<p>The Panel agrees with the report writer's reasons and provides the following reasons for amending the how the lapse dates are expressed.</p> <p>Expressing the lapse date as a specific date provides greater certainty and clarity for the requiring authority, the Auckland Council and any parties affected by the designation. Having a specific lapse date means that lapse dates cannot be rolled over as part of a plan review without scrutiny and the requiring authority justifying why the lapse date should be extended.</p> <p>The Panel notes that while the Auckland Council has sought through the submission process to update the designations by removing references to former councils etc., the designations still contain references to operative plan provisions, superseded guidelines and other documents and designation numbers that will no longer exist once the Unitary Plan becomes operative. These references could be problematic when when giving effect to designations and when preparing and processing outline plans. The requiring authority could address these issues through a section 181(3) process.</p>

7. Attachment 1 changes to text of the Proposed Auckland Unitary Plan

Schedule

Number	Description	Location
1574	<u>Proposed service lane</u>	<u>Hepburn Street to Picton Street, Central Auckland</u>

Notice of Requirement R1405

Delete R1405 entirely, i.e. from Auckland Transport designation schedule 1/3 and all text.

Designation 1422

1422 North Shore Busway - Onewa Road

Designation Number	1422
Requiring Authority	Auckland Transport
Location	Onewa Road and Sylvan Avenue, Northcote
Rollover Designation	Yes
Legacy Reference	Designation 171, Auckland Council District Plan (North Shore Section) 2002
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

To enable modifications to be undertaken in the vicinity of the Onewa Road and Sylvan Avenue intersection to provide priority access to the North Shore Busway for buses/high occupancy vehicles, and improving the safety and efficiency of the intersection and the Onewa Interchange.

Conditions

The conditions below apply:

1. General Conditions
2. Duration Of Designation
3. PMP and Outline Plans
4. Archaeological Mitigation Conditions (other than 4.3 and 4.4)
5. Ecological Mitigation Conditions (other than 5.5, 5.6, and 5.7)
6. Landscape Mitigation Conditions
7. Noise Mitigation Conditions (other than 7.8)
8. Geotechnical Mitigation Conditions
9. Vibration Mitigation Conditions
10. Traffic Mitigation Conditions (other than 10.1(ii), (iv) and (v) and 10.3)
11. Construction Management Conditions

1. General Conditions

1.1 The scope and extent of the works envisaged within the designation shall be generally in accordance with the Notices of Requirement, the plans contained in "Volume 3 – A3 Plans" forming part of the documentation supporting the Notice of Requirement, and the relevant detailed plans in the Technical Reports in Volume 5, subject to the final design and the conditions set out below.

1.2 Prior to any works being commenced in particular location(s) of work, the Requiring Authority shall obtain all requisite resource consents for the location(s) affected under the Resource Management Act 1991.

1.3 Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.

1.4 At all times reasonable vehicular access shall be maintained to private properties not directly affected by construction and/or operation in the area affected. Where private properties are directly affected by construction and/or operations causing vehicular access to be temporarily prevented and no alternative can be utilised, the Requiring Authority shall ensure that the property owner is consulted with respect to the most suitable time for carrying out the work and the Requiring Authority shall minimise the period during which vehicular access is prevented.

1.5 A permanent liaison position from within the joint Project Governance Team of NSCC Auckland Council and the Requiring Authority will be appointed for the duration of the project. This person is to be available for ongoing consultation on all matters of concern to affected persons.

1.6 All contract documentation for physical works shall include reference to the designation conditions, any other resource consents (including conditions) and any approved mitigation or outline plan(s) held for the project.

1.7 Where requested by the owners, the Requiring Authority shall physically peg out the extent of the alignment in individually affected properties once the designation has been confirmed or all appeals have been determined, whichever is the later.

2. Duration of the Designation ~~Condition deleted.~~

~~2.1 In accordance with Section 184(1)(c) and Section 184A(2)(c) of the Resource Management Act 1991, the designation will lapse on the expiry of ten years, except for NOR 8 which will lapse on the expiry of five years, after the date on which it is included in the District Plan unless:~~

~~2.2 It is given effect to before the end of that period; or~~

~~2.3 The territorial authority determines, on an application made not later than three months before the expiry of that period; that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made and fixes a longer period to five effect to the designation.~~

3. Project Management Plans (PMP) and Outline Plans

3.1 The requiring authority shall prepare a PMP which shall include mitigation/management plans as referred to in conditions 5, 6, 7, 8, 9, 10 and 11. 3.2.

No works shall be undertaken in any particular location(s) until:

- a. The PMP, or such part(s) of the PMP as are relevant to the location(s) are approved in the manner provided for in condition 3.3; and
- b. Any outline plan(s) required by section 176A of the Resource Management Act 1991 (RMA) in relation to the works in the location(s), are approved in the manner provided in condition 3.3. 3.3

Approvals pursuant to condition 3.2(a) shall be obtained from the General Manager of Environmental Services, ~~North Shore City~~ Auckland Council, and a senior regulatory officer of the ~~NSCC~~ Auckland Council who is at the time of the approval a member of the Project Governance Team for the management of the works (*the approval officers*).

Advice Note:

Where an outline plan or plans are required by section 176A RMA for works in any particular location(s) and the approval officers agree that the PMP or relevant part(s) of the PMP contains adequate details to satisfy section 176 RMA, then the Council may waive the requirement for an Outline Plan.

3.4 The works shall only be undertaken in accordance with an approved PMP and outline plan (where required).

3.5 If for any reason the PMP is not approved, the outline plan procedure under s 176A shall apply. For the avoidance of any doubt, the mitigation/management plans prepared under conditions 5, 6, 7, 8, 9, 10 and 11 shall be included with any outline plan lodged for approval pursuant to s 176A.

4. Archaeological Mitigation Conditions

4.1 If construction work uncovers any archaeological remains, the Requiring Authority will immediately advise local iwi and the New Zealand Historic Places Trust and cease working in the affected area until any necessary authority required by the New Zealand Historic Places Trust is obtained. (All archaeological sites are protected under the provisions of the Historic Places Act 1993, whereby it is unlawful to modify, damage or destroy an archaeological site, whether recorded or not, without prior consent of the Historic Places Trust).

4.2 That all recorded archaeological sites and other cultural heritage sites in the vicinity of the works shall be clearly marked on the construction plans.

4.3 Any significant native trees removed from Smiths bush as part of the works to construct the busway shall be offered as gifts to Te Hao o Ngati Whatua and/or Ngati Whatua o Orakei.

4.4 Preliminary earthworks in the vicinity of Onewa Road and Sylvan Ave realignment will be monitored by a suitably qualified and experienced archaeologist.

5. Ecological Mitigation Conditions

5.1 The PMP shall include an Ecological Mitigation Plan prepared by a suitably qualified and experienced ecologist who shall have regard to:

- i. The recommendations contained in the audit by Shona Myers – Natural Heritage Scientist, ARC as to planting and the implementation of mitigation measures;
- ii. The planting of appropriate plant species as identified in ARC Technical Publication 148: Riparian Zone Management: Strategy for the Auckland Region, June 2001.

5.2 The Plan shall provide for:

- i. Planting in riparian zones where consent of the landowner is obtained;

ii. Mitigation of potential coastal effects.

5.3 Wherever practicable, any disturbance of existing vegetation shall be avoided.

5.4 Where riparian vegetation disturbance cannot be practicably avoided, the Requiring Authority shall take care that any necessary disturbance is minimised as far as practicable. For the avoidance of doubt, this condition is not intended to prohibit necessary disturbance, which is defined as including, but is not limited to, vegetation clearance, the construction and operation of all roads, depots, storage facilities and spoil disposal areas.

5.5 The PMP shall include a plan of the proposed works within the eastern remnant of Smiths Bush in sufficient detail to determine the impact on existing vegetation and the Requiring Authority shall undertake its best endeavours to minimise the removal of vegetation from Smiths Bush.

5.6 All works within the eastern remnant of Smiths Bush shall be supervised by a suitably qualified and experienced arboriculturist.

5.7 As a means of attempting to retain the overall ecological viability of Smiths Bush, any vegetation removed from the eastern remnant of the bush shall be replaced where practicable in accordance with a native tree planting and maintenance regime approved under condition 3.3. and following consultation with appropriate staff at the Auckland Regional Council.

6. Landscape Mitigation Conditions

6.1 The PMP shall include a Landscape Mitigation Plan prepared by a suitably qualified and experienced landscape architect who shall have regard to:

- a. The Landscape Mitigation Plan prepared by LA4 Landscape Architects and contained in the Esmonde Interchange Project: Assessment of Environmental Effects Volume 10c; and
- b. The recommendations contained in the audits by Melean Absolum and Chris Boucher.

6.2 The Landscape Mitigation Plan shall provide for:

- a. The integration of the proposed works into the surrounding landscape;
- b. Appropriate consideration of the angle and extent of batter slopes;
- c. Appropriate screening of existing land-uses along Fred Thomas Drive;
- d. Design of borrow and disposal areas for excess fill to avoid significant visual impact, and to maximise integration with the general form of the surrounding landscape;
- e. Ecological mitigation measures (eg revegetation) required in accordance with the Ecological Mitigation Condition;
- f. Mitigation of effects on properties in the vicinity of the busway;
- g. Noise mitigation measures (eg noise barriers) required in accordance with the Noise Mitigation Conditions and the screening of such measures with planting between barriers and the busway carriageway;
- h. Detailed designs of the acoustic barriers, retaining walls, and earth bunds in conjunction with the engineers where necessary; and
- i. The identification of existing trees and vegetation sited on the boundary of the Busway designation that ought to be retained for screening purposes.

6.3 The Landscape Mitigation Plan shall include details of:

- j. All proposed planting (including species, species size, densities, areas and locations);
- k. The planting programme;
- l. The maintenance programme. This programme shall include details of weed control, performance standards specifying allowable percentage survival rates, and replacement of any planting features;

- m. The sufficiency of the soil medium to sustain all planting proposed; and
- n. An appropriate maintenance regime.

6.4 All landscape mitigation planting shall be implemented during the first planting season following completion of the project construction works providing climatic conditions are suitable, otherwise at the first practicable opportunity thereafter. Following completion of planting, the Requiring Authority shall submit to the ~~North Shore City~~ Auckland Council a report by the landscape architect on the implementation of the landscape plan.

6.5 Where practicable, any planting utilising native plants shall use plants genetically sourced from the ecological district.

6.6 Exposed cut and fill batters and slopes shall be re-vegetated as soon as practicable after construction.

7. Noise Mitigation Conditions

7.1 The project shall, as a minimum standard, be designed and constructed to comply with the limits within the ~~Transit NZ~~ NZTA Guidelines for the Management of Traffic Noise for State Highway Improvements and with the acoustic report 'North Shore Busway Project, SH1 busway, Report No 97245B' by Marshall Day Acoustic Limited.

7.2 The PMP shall include a Noise Mitigation Plan prepared by a suitably qualified noise consultant. The purpose of the plan is to describe the methods by which noise associated with traffic using the roading and the bus stations within the designation will be made to comply with specified noise limits at all affected dwellings and schools in the vicinity of the area affected. Where the ambient sound level is required to determine design limits then this shall be done prior to construction commencing.

7.3 The Requiring Authority shall ensure that all construction works are carried out in accordance with NZS 6803P:1984 "The Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work".

7.4 The PMP shall include a Construction Noise Management Plan. The purpose of the Plan is to describe the methods by which noise associated with the construction of the work will be managed to comply with condition 7.3 above. In particular, the Construction Noise Management Plan shall identify:

- a. The location of permanent acoustic fences to be installed prior to the commencement of the main construction works;
- b. Methods of managing noise;
- c. Noise monitoring methods, including details of methods, equipment, location and frequency;
- e. Contingency measures in the event of any incidence of non-compliance; and
- f. Procedures for handling noise complaints.

7.5 Where the requirements of condition 7.4 are unable to be met, the alternative strategies that have been developed following consultation with affected landowners will be implemented. Such alternatives may include, but not be limited to, temporary relocation of occupiers, compensation for occupiers and purchase of the affected properties.

7.6 Construction works shall at all times be undertaken in accordance with the Construction Noise Management Plan.

7.7 Where practicable, acoustic barriers required to meet ~~Transit NZTA~~ NZTA Noise Guidelines in particular locations, shall be erected prior to commencement of the construction works in

those locations.

7.8 Where temporary acoustic barriers are proposed in the Marshall Day Report, and where their retention would result in effective traffic noise reduction for residents or educational facilities, they shall be built to a standard such that the barriers will be able to remain permanently in place at heights approved under condition 3.3, taking into consideration traffic noise reduction visual and landscaping factors and consultation with adjoining property owners.

7.9 Unless:

- a. Otherwise agreed between Ministry of Education (MOE) and the requiring authority; or
- b. MOE agrees to compensation with the Requiring Authority for the noise effects from the Busway and associated new works; where *additional* traffic noise resulting from the Busway or associated new works increases above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any classroom, then the requiring authority shall, immediately following commissioning of the Busway, implement mitigation measures which result in the noise level not *exceeding* 45 dBA Leq, or the ambient noise level *existing* prior to the establishment of the Busway, whichever is the higher. This noise level shall be achieved together with the ventilation requirements of The New Zealand Building Code, Clause C4.

8. Geotechnical Mitigation Condition

8.1 A Geotechnical Mitigation Plan shall be prepared by a suitably qualified Geotechnical Engineer in consultation with ~~North Shore City~~ Auckland Council. The plan shall be submitted to the ~~North Shore City~~ Auckland Council prior to construction of any stage and shall take into account the recommendations of the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues' – November 2001.

9. Vibration Mitigation Conditions

9.1 The PMP shall include a Vibration Mitigation Plan having regard to the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001'. This Mitigation plan shall include details of how the works will comply with the requirement of German Standards DIN4150 "Structural Vibration in Buildings – Effects on Structures" during construction and shall take into account the recommendations.

9.2 A dilapidation survey of 'at risk' buildings, as per the recommendations of the audit prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001', shall be undertaken prior to during and after completion of the construction works, provided the consent of any landowner and/or occupier can be obtained.

10. Traffic Mitigation Conditions

10.1 The PMP shall include a Traffic Mitigation Plan based on its adopted design for the project. The Traffic Mitigation Plan shall include:

- a. Methods of mitigating the local and network wide effects of both the construction of individual elements of the project 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 of helping to accommodate the bus transport needs of pupils of Westlake Girls' High School through the development and operation of Westlake Station and the busway system, in the light of consultation with the School;
- c. Methods of limiting the use of the busway to emergency vehicles and no more than 350HOVs (excluding buses) per hour north of Esmonde Road, including a restriction on the access of HOVs through Constellation Drive Station to no more than 350HOVs;
- d. Details of a monitoring programme to be undertaken detailing the demand for car parking

in the vicinity of the Sunnynook Station and Westlake Station prior to the opening of the Station and at regular intervals (a minimum of 2 per annum) for a minimum period of five years following the opening of the Station to the public and measures to manage any such demand. (This condition shall only apply to Notices of Requirement 8 and 9); and
e. Details of pedestrian access to be provided within the Westlake Bus Station and along Shakespeare Road Extension. (This condition shall apply only to Notice of Requirement 8).

10.2 In order to prevent potentially significant traffic disruption during and after construction, the existing Onewa Interchange shall continue to be fully operational (that is in the manner in which it currently operates) until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

10.3 The public use of the Westlake Station shall not be allowed until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

11. Construction Management Conditions

11.1 The PMP shall include a Construction Management Plan which shall refer to all conditions imposed on any relevant resource consents granted by the Auckland Regional Council.

11.2 The purpose of the Construction Management Plan is to set out methods by which any dust nuisance from construction will be avoided or minimised and by which the possibility of ground vibration during construction can be notified to adjacent land owners and occupiers. In particular, the Management Plan shall identify amongst other things:

- a. Specific methods by which dust will be managed, including cleaning vehicle tyres before vehicles enter public roads, wetting or covering surfaces and replanting disturbed areas;
- b. Contingency measures to ensure that, in the event of any dust nuisance arising, immediate remedial measures are implemented;
- c. Procedures for prior notification of the use of machinery likely to generate vibration effects beyond the area of the designation to properties where ground vibration may be felt;
- d. The means by which loss of vehicle access to be (sic) properties will minimise inconvenience to each property owner affected following consultation with affected property owners;
- e. Methods of ensuring pedestrian safety along public footpaths and particularly where works are proposed in close proximity to any school;
- f. Procedures for handling any dust and ground vibration complaints; and

In respect of Takapuna Normal Intermediate School the Management Plan shall include measures to address the following, in consultation with the School:

- i. Preventing students from gaining access to the construction site via the parking area off Northcote road or Smiths bush by the erection of such gates or fencing as may be agreed to by the School and the Requiring Authority;
- ii. Control of construction traffic moving between the construction site and Northcote Road so as to encourage the safe movement of students along Northcote Road; and
- iii. Minimising any adverse effects of construction on the playing field, in particular, dust nuisance.

11.3 The Requiring Authority shall ensure that the Construction Management Plan is complied with at all times during construction and that a copy is kept at all site offices.

11.4 The Requiring Authority and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

11.5 The Requiring Authority shall advise neighbouring owners and occupiers in the vicinity of the affected area of the date on which construction is to start, the expected duration of the work, and the telephone number of Site Liaison Officer who is able to respond to queries.

11.6 The location and extent of each stage of the site works will be identified and the ~~North Shore City~~ Auckland Council advised of the construction timetable.

11.7 The earthworks contractor shall be required to maintain the stability of the land and property at the boundary of the site by the best practicable method and to monitor that such works are and remain effective.

11.8 Control measures shall be in place to ensure that any vehicles leaving the designated site do not deposit soil or other debris on public roads. Any such material deposited on any public road shall be cleaned up as soon as practicably possible at the Requiring Authority's expense.

11.9 Adequate provision shall be made during the earthworks construction for the protection of the existing public drains that traverse the designation. It is the Requiring Authority's responsibility to remedy any damages to the public drains that may occur during construction.

11.10 Protected vegetation areas and trees identified in the Landscape Mitigation Plan are to be retained and protected. Other sensitive areas of the site are to be identified and marked for protection prior to the commencement of works.

11.11 Spoil from earthworks, surplus to site requirements, shall be disposed of at an approved landfill site.

12. Exmouth Road Pedestrian Overbridge

12.1 The Requiring Authority will use its best endeavours to obtain all necessary resource consents to allow reinstatement of the existing Exmouth Road pedestrian overbridge in the same or a similar location but extended to provide access across the bus lane to the foreshore. If such consents are granted the Requiring Authority shall reinstate the overbridge prior to the consents lapsing.

13. Westlake Boys High School

13.1 The School accessway, adjoining the western boundaries of the Altona road properties and connecting the northern and southern playing fields, shall be constructed with a minimum width of 4m and designed so that service vehicles and pedestrians can obtain safe and convenient access.

13.2 The western embankment adjoining the southern playing fields of the School shall be planted with *Alnus incana* and *Alnus rubra* at a size and spacing to be detailed within the Landscape Mitigation Plan.

13.3 The Requiring Authority shall use its best endeavours to undertake construction of the works in the area adjoining the northern playing fields during the School Summer holidays (approximately 10 December – 31 January the following year).

14. Westlake Girls High School

14.1 The Requiring Authority shall use its best endeavours to ensure that the pin oak trees along the western boundary of the School are retained.

14.2 The Requiring Authority shall use its best endeavours to undertake construction of the works along the School boundary during the School Summer holidays (approximately 10 December – 31 January the following year).

15. Takapuna Normal Intermediate School

15.1 A permanent 1.8 metre close boarded and battened wooden fence shall be erected along the western boundary of the school (as identified in the **attached** plan titled “Building Locations Takapuna Normal Intermediate School”) prior to commencement of construction of the Busway.

15.2 Where the operation of the Busway results in increases in traffic noise above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any existing Takapuna Normal Intermediate School classroom with windows open (identified in the **attached** plan), then the requiring authority shall implement mitigation measures which result in the noise level not exceeding either 45 dBA Leq, or the ambient noise levels existing prior to the establishment of the Busway, whichever is higher. This noise level shall be achieved together with the ventilation requirements of the New Zealand Building Code, Clause G4 and New Zealand Standard 4303:1990 ‘Ventilation Requirements for acceptable indoor air quality’ and in particular the requirements for educational institutions.

15.3 The Requiring Authority shall provide for:

- a. Replanting, or replacement where replanting is not practicable, of trees along the western boundary that are required to be removed for construction of the Busway; and
- b. Planting along the inside of the 1.8 metre fence (as described in condition 15.1) to mitigate the visual impact of the fence.

16. Smales Farm

16.1 The requiring authorities shall consult with a liaison person appointed by Shea Investments Limited and Betty Leila Holdings Limited in respect of:

- a. The detailed landscape plan to be prepared for the Busway in the vicinity of Smales Farm, for the purpose of ensuring that the landscaping for the Busway is integrated with the landscape development of Smales Farm; and
- b. That part of the Traffic Mitigation Plan that relates to Shakespeare Road Extension and Westlake Bus Station.

17. T D Jane, L J & M F Bilton & A S & S J Church

17.1 Subject to access being granted by the landowners of the properties legally described as Lot 127, DP 56740 (CT 9C/703), Lot 128, DP 56740 (CT C/104) and Lot 129, DP 56740 (“the properties”), the Requiring Authority will implement the landscaping plan prepared by LA4 Landscape Architects for the properties (titled “Proposed Planting to Mitigate Busway” **attached**) and any amendments to the planting shown on the plan as reasonably agreed between the landowners and the Requiring Authority. Failing agreement within 12 months of completion of construction of the fence, the Requiring Authority shall implement the LA4 landscaping plan (or its equivalent in value).

17.2 The Requiring Authority shall construct a fence on the properties’ western boundaries prior to construction of the Project commencing adjacent to the landowners properties. The fence shall have the following specifications:

- a. To be located along the properties’ western legal boundaries at 2 metres above ground level (as at 16 May 2003) at 7 and 10 Altona Road, and at 2 metres and rising to 2.5 metres above ground level at the northern end at 9 Altona road, for the full length of the boundaries of those properties;
- b. To be constructed of exterior grade (marine) plywood having a thickness of 17.5 mm or more;

- c. Plywood panels to be bolted to a framework so as to ensure no gaps or cracks and to meet the surface of the ground at their lower edge;
- d. Fence posts and framework to be specified by engineering design;
- e. ~~Transit~~ NZTA shall construct gates in the fence if requested by the landowners of 7 and 9 Altona Road; and
- f. To be certified by an engineer as having a design life of 20 years (except that certification of the design life of the fence shall not apply to any gates requested to be constructed).

Advice note:

It is the Requiring Authority's intention to construct the fence as part of the enabling works during 2003 or by April 2004 at the latest.

17.3 Any construction activities exceeding the Construction Standard set out in condition 7.3 between chainage 13200 to 13000 shown on the designation plan "Harbour Bridge to Constellation Drive Designation Plans Westlake Boys High School, Drawing No. 7716C609" (the affected area") shall be undertaken between the hours of 8.00am – 6.00pm on weekdays only and shall exclude the two weeks following Christmas Eve. For the avoidance of any doubt, condition 7.5 relating to works exceeding the Construction Standard continues to apply to the landowners as affected parties.

17.4 The Requiring Authority shall undertake earthworks in the affected area in one stage.

17.5 The Requiring Authority shall consult with the landowners on the mitigation plans referred to in the conditions 5, 6, 7, 8, 9, 10 and 11 on the designation insofar as the mitigation plans affect the landowners' properties

18. Bateman Property

Stormwater

18.1 As part of the busway construction works, ~~Transit~~ NZTA and NSSC Auckland Council shall provide the following measures to address stormwater effects:

- a. ~~Transit~~ NZTA shall pipe the existing drain from chainage 15100 down to 14960 (see Figs 1a – 1c, **attached**);
- b. ~~Transit~~ NZTA and NSSC Auckland Council shall widen by 4m the motorway side of the existing drain located on the eastern side of the motorway, from the level of the top of the present vertical concrete wall, from chainage 14960m to Sunnynook Road Culvert (as shown on the **attached** Figs 1a – 1c), such widening shall be at a grade as flat as possible from the existing concrete wall, consistent with efficient fall;
- c. NSSC Auckland Council shall use its best endeavours to reduce the volume of debris caught on the central wall of the Sunnynook Road Culvert by reshaping the leading edge of the central wall;
- e. ~~Transit~~ NZTA and NSSC Auckland Council shall undertake the following measures to avoid slope instability and scour:
 - i. Provide a batter toe restraint retaining wall to buttress the lower position of the batter;
 - ii. Construct a gabion wall or timber pole wall to support the toe restraint retaining wall; and
 - iii. To undertake grass seedling over the four metre widening of the berm.

Advice Note:

It is recorded that Mr Bateman has agreed to provide access to ~~Transit~~ NZTA and NSSC Auckland Council or their contractors to enable them to undertake any drainage improvement works required within or adjacent to the Bateman family property.

Noise

18.2 ~~Transit~~ NZTA shall construct a concrete 0.8 metre high barrier between the Busway and the property in compliance with the letter from Marshall Day Acoustics Limited dated 18

December 2002 (**attached** as Appendix 1). The detailed design of this barrier is to be finalized as part of the busway detailed design.

18.3 Transit NZTA shall construct a 0.8 metre high solid concrete New Jersey Barrier on top of the retaining wall between the motorway and the busway as also described in Appendix 1; the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.4 Transit NZTA shall construct a 1.8 metre high barrier at the rear of the Sunnynook Station between the proposed bus shelter and the end of the platform to mitigate any reflection of noise from the northbound bus shelter, the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.5 Transit NZTA agrees that any retaining wall to be constructed for the purposes of the Sunnynook Station shall be constructed from non-reflective materials to mitigate any potential noise effects.

Landscaping

18.6 Transit NZTA shall undertake screen planting, consisting of native trees, shrubs and ground cover between Sunnynook Station, the busway and the property, as shown on the **attached** plan (titled "North Shore Busway Project: Amended Landscape Development for Sunnynook Bus Station, Figure 2") to provide effective screening. The planting, including the planting shown on the embankment between the busway and the motorway, will be undertaken as soon as practicable following the construction works and within the first planting season to provide effective screening.

18.7 The landscaping and planting provided for under clause 18.6 shall be planted at Pb28 grade so that the plants are approximately 1.5 metres high when planted.

18.8 All planting shall be tended and maintained to ensure the full establishment and effectiveness of the landscaping including replacement planting where necessary.

Attachments

No attachments.

Designation 1423

1423 Akoranga Station

Designation Number	1423
Requiring Authority	Auckland Transport
Location	20 Takapuna Landing, Takapuna
Rollover Designation	Yes
Legacy Reference	Designation 172, Auckland Council District Plan (North Shore Section) 2002
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

Akoranga Station - for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles.

Conditions

The conditions below apply:

1. General Conditions
2. Duration Of Designation
3. PMP and Outline Plans
4. Archaeological Mitigation Conditions (other than 4.3 and 4.4)
5. Ecological Mitigation Conditions (other than 5.5, 5.6 and 5.7)
6. Landscape Mitigation Conditions
7. Noise Mitigation Conditions
8. Geotechnical Mitigation Conditions
9. Vibration Mitigation Conditions
10. Traffic Mitigation Conditions except that:
 - Condition 10.2 shall not apply
 - Condition 10.1(ii) applies only to Notice 8 – Westlake
 - Condition 10.1(iv) applies only to Notices 8 and 9 – Westlake and Sunnynook
 - Condition 10.1(v) applies only to Notice 8 – Westlake
 - Condition 10.3 applies only to Notice 8 – Westlake
11. Construction Management Conditions
14. Westlake Girls High School applies only to Notice 8 – Westlake
18. Bateman: Stormwater Conditions applies only to Notice 9 – Sunnynook (other than Condition 18.1(i)).

1. General Conditions

1.1 The scope and extent of the works envisaged within the designation shall be generally in accordance with the Notices of Requirement, the plans contained in “Volume 3 – A3 Plans” forming part of the documentation supporting the Notice of Requirement, and the relevant detailed plans in the Technical Reports in Volume 5, subject to the final design and the conditions set out below.

1.2 Prior to any works being commenced in particular location(s) of work, the Requiring Authority shall obtain all requisite resource consents for the location(s) affected under the

Resource Management Act 1991.

1.3 Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.

1.4 At all times reasonable vehicular access shall be maintained to private properties not directly affected by construction and/or operation in the area affected. Where private properties are directly affected by construction and/or operations causing vehicular access to be temporarily prevented and no alternative can be utilised, the Requiring Authority shall ensure that the property owner is consulted with respect to the most suitable time for carrying out the work and the Requiring Authority shall minimise the period during which vehicular access is prevented.

1.5 A permanent liaison position from within the joint Project Governance Team of NSCC Auckland Council and the Requiring Authority will be appointed for the duration of the project. This person is to be available for ongoing consultation on all matters of concern to affected persons.

1.6 All contract documentation for physical works shall include reference to the designation conditions, any other resource consents (including conditions) and any approved mitigation or outline plan(s) held for the project.

1.7 Where requested by the owners, the Requiring Authority shall physically peg out the extent of the alignment in individually affected properties once the designation has been confirmed or all appeals have been determined, whichever is the later.

2. Duration of the Designation ~~Condition deleted~~

~~2.1 In accordance with Section 184(1)(c) and Section 184A(2)(c) of the Resource Management Act 1991, the designation will lapse on the expiry of ten years, except for NOR 8 which will lapse on the expiry of five years, after the date on which it is included in the District Plan unless:~~

~~2.2 It is given effect to before the end of that period; or~~

~~2.3 The territorial authority determines, on an application made not later than three months before the expiry of that period; that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made and fixes a longer period to five effect to the designation.~~

3. Project Management Plans (PMP) and Outline Plans

3.1 The requiring authority shall prepare a PMP which shall include mitigation/management plans as referred to in conditions 5, 6, 7, 8, 9, 10 and 11. 3.2.

No works shall be undertaken in any particular location(s) until:

a. The PMP, or such part(s) of the PMP as are relevant to the location(s) are approved in the manner provided for in condition 3.3; and

b. Any outline plan(s) required by section 176A of the Resource Management Act 1991 (RMA) in relation to the works in the location(s), are approved in the manner provided in condition 3.3. 3.3

Approvals pursuant to condition 3.2(a) shall be obtained from the General Manager of Environmental Services, ~~North Shore City~~ Auckland Council, and a senior regulatory officer of the NSCC Auckland Council who is at the time of the approval a member of the Project Governance Team for the management of the works (*the approval officers*).

Advice Note:

Where an outline plan or plans are required by section 176A RMA for works in any particular location(s) and the approval officers agree that the PMP or relevant part(s) of the PMP contains adequate details to satisfy section 176 RMA, then the Council may waive the requirement for an Outline Plan.

3.4 The works shall only be undertaken in accordance with an approved PMP and outline plan (where required).

3.5 If for any reason the PMP is not approved, the outline plan procedure under s 176A shall apply. For the avoidance of any doubt, the mitigation/management plans prepared under conditions 5, 6, 7, 8, 9, 10 and 11 shall be included with any outline plan lodged for approval pursuant to s 176A.

4. Archaeological Mitigation Conditions

4.1 If construction work uncovers any archaeological remains, the Requiring Authority will immediately advise local iwi and the New Zealand Historic Places Trust and cease working in the affected area until any necessary authority required by the New Zealand Historic Places Trust is obtained. (All archaeological sites are protected under the provisions of the Historic Places Act 1993, whereby it is unlawful to modify, damage or destroy an archaeological site, whether recorded or not, without prior consent of the Historic Places Trust).

4.2 That all recorded archaeological sites and other cultural heritage sites in the vicinity of the works shall be clearly marked on the construction plans.

4.3 Any significant native trees removed from Smiths bush as part of the works to construct the busway shall be offered as gifts to Te Hao o Ngati Whatua and/or Ngati Whatua o Orakei.

4.4 Preliminary earthworks in the vicinity of Onewa Road and Sylvan Ave realignment will be monitored by a suitably qualified and experienced archaeologist.

5. Ecological Mitigation Conditions

5.1 The PMP shall include an Ecological Mitigation Plan prepared by a suitably qualified and experienced ecologist who shall have regard to:

- i. The recommendations contained in the audit by Shona Myers – Natural Heritage Scientist, ARC as to planting and the implementation of mitigation measures;
- ii. The planting of appropriate plant species as identified in ARC Technical Publication 148: Riparian Zone Management: Strategy for the Auckland Region, June 2001.

5.2 The Plan shall provide for:

- i. Planting in riparian zones where consent of the landowner is obtained;
- ii. Mitigation of potential coastal effects.

5.3 Wherever practicable, any disturbance of existing vegetation shall be avoided.

5.4 Where riparian vegetation disturbance cannot be practicably avoided, the Requiring Authority shall take care that any necessary disturbance is minimised as far as practicable. For the avoidance of doubt, this condition is not intended to prohibit necessary disturbance, which is defined as including, but is not limited to, vegetation clearance, the construction and operation of all roads, depots, storage facilities and spoil disposal areas.

5.5 The PMP shall include a plan of the proposed works within the eastern remnant of Smiths Bush in sufficient detail to determine the impact on existing vegetation and the Requiring Authority shall undertake its best endeavours to minimise the removal of vegetation from Smiths Bush.

5.6 All works within the eastern remnant of Smiths Bush shall be supervised by a suitably qualified and experienced arboriculturist.

5.7 As a means of attempting to retain the overall ecological viability of Smiths Bush, any vegetation removed from the eastern remnant of the bush shall be replaced where practicable in accordance with a native tree planting and maintenance regime approved under condition 3.3. and following consultation with appropriate staff at the Auckland Regional Council.

6. Landscape Mitigation Conditions

6.1 The PMP shall include a Landscape Mitigation Plan prepared by a suitably qualified and experienced landscape architect who shall have regard to:

- a. The Landscape Mitigation Plan prepared by LA4 Landscape Architects and contained in the Esmonde Interchange Project: Assessment of Environmental Effects Volume 10c; and
- b. The recommendations contained in the audits by Melean Absolum and Chris Boucher.

6.2 The Landscape Mitigation Plan shall provide for:

- a. The integration of the proposed works into the surrounding landscape;
- b. Appropriate consideration of the angle and extent of batter slopes;
- c. Appropriate screening of existing land-uses along Fred Thomas Drive;
- d. Design of borrow and disposal areas for excess fill to avoid significant visual impact, and to maximise integration with the general form of the surrounding landscape;
- e. Ecological mitigation measures (eg revegetation) required in accordance with the Ecological Mitigation Condition;
- f. Mitigation of effects on properties in the vicinity of the busway;
- g. Noise mitigation measures (eg noise barriers) required in accordance with the Noise Mitigation Conditions and the screening of such measures with planting between barriers and the busway carriageway;
- h. Detailed designs of the acoustic barriers, retaining walls, and earth bunds in conjunction with the engineers where necessary; and
- i. The identification of existing trees and vegetation sited on the boundary of the Busway designation that ought to be retained for screening purposes.

6.3 The Landscape Mitigation Plan shall include details of:

- j. All proposed planting (including species, species size, densities, areas and locations);
- k. The planting programme;
- l. The maintenance programme. This programme shall include details of weed control, performance standards specifying allowable percentage survival rates, and replacement of any planting features;
- m. The sufficiency of the soil medium to sustain all planting proposed; and
- n. An appropriate maintenance regime.

6.4 All landscape mitigation planting shall be implemented during the first planting season following completion of the project construction works providing climatic conditions are suitable, otherwise at the first practicable opportunity thereafter. Following completion of planting, the Requiring Authority shall submit to the ~~North Shore City~~ Auckland Council a report by the landscape architect on the implementation of the landscape plan.

6.5 Where practicable, any planting utilising native plants shall use plants genetically

sourced from the ecological district.

6.6 Exposed cut and fill batters and slopes shall be re-vegetated as soon as practicable after construction.

7. Noise Mitigation Conditions

7.1 The project shall, as a minimum standard, be designed and constructed to comply with the limits within the ~~Transit-NZ~~ NZTA Guidelines for the Management of Traffic Noise for State Highway Improvements and with the acoustic report 'North Shore Busway Project, SH1 busway, Report No 97245B' by Marshall Day Acoustic Limited.

7.2 The PMP shall include a Noise Mitigation Plan prepared by a suitably qualified noise consultant. The purpose of the plan is to describe the methods by which noise associated with traffic using the roading and the bus stations within the designation will be made to comply with specified noise limits at all affected dwellings and schools in the vicinity of the area affected. Where the ambient sound level is required to determine design limits then this shall be done prior to construction commencing.

7.3 The Requiring Authority shall ensure that all construction works are carried out in accordance with NZS 6803P:1984 "The Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work".

7.4 The PMP shall include a Construction Noise Management Plan. The purpose of the Plan is to describe the methods by which noise associated with the construction of the work will be managed to comply with condition 7.3 above. In particular, the Construction Noise Management Plan shall identify:

- a. The location of permanent acoustic fences to be installed prior to the commencement of the main construction works;
- b. Methods of managing noise;
- c. Noise monitoring methods, including details of methods, equipment, location and frequency;
- e. Contingency measures in the event of any incidence of non-compliance; and
- f. Procedures for handling noise complaints.

7.5 Where the requirements of condition 7.4 are unable to be met, the alternative strategies that have been developed following consultation with affected landowners will be implemented. Such alternatives may include, but not be limited to, temporary relocation of occupiers, compensation for occupiers and purchase of the affected properties.

7.6 Construction works shall at all times be undertaken in accordance with the Construction Noise Management Plan.

7.7 Where practicable, acoustic barriers required to meet ~~Transit-NZTA~~ NZTA Noise Guidelines in particular locations, shall be erected prior to commencement of the construction works in those locations.

7.8 Where temporary acoustic barriers are proposed in the Marshall Day Report, and where their retention would result in effective traffic noise reduction for residents or educational facilities, they shall be built to a standard such that the barriers will be able to remain permanently in place at heights approved under condition 3.3, taking into consideration traffic noise reduction visual and landscaping factors and consultation with adjoining property owners.

7.9 Unless:

- a. Otherwise agreed between Ministry of Education (MOE) and the requiring authority; or
- b. MOE agrees to compensation with the Requiring Authority for the noise effects from the Busway and associated new works; where *additional* traffic noise resulting from the Busway or associated new works increases above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any classroom, then the requiring authority shall, immediately following commissioning of the Busway, implement mitigation measures which result in the noise level not *exceeding* 45 dBA Leq, or the ambient noise level *existing* prior to the establishment of the Busway, whichever is the higher. This noise level shall be achieved together with the ventilation requirements of The New Zealand Building Code, Clause C4.

8. Geotechnical Mitigation Condition

8.1 A Geotechnical Mitigation Plan shall be prepared by a suitably qualified Geotechnical Engineer in consultation with ~~North Shore City~~ Auckland Council. The plan shall be submitted to the ~~North shore City~~ Auckland Council prior to construction of any stage and shall take into account the recommendations of the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues' – November 2001.

9. Vibration Mitigation Conditions

9.1 The PMP shall include a Vibration Mitigation Plan having regard to the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001'. This Mitigation plan shall include details of how the works will comply with the requirement of German Standards DIN4150 "Structural Vibration in Buildings – Effects on Structures" during construction and shall take into account the recommendations.

9.2 A dilapidation survey of 'at risk' buildings, as per the recommendations of the audit prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001', shall be undertaken prior to during and after completion of the construction works, provided the consent of any landowner and/or occupier can be obtained.

10. Traffic Mitigation Conditions

10.1 The PMP shall include a Traffic Mitigation Plan based on its adopted design for the project. The Traffic Mitigation Plan shall include:

- a. Methods of mitigating the local and network wide effects of both the construction of individual elements of the project 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 of helping to accommodate the bus transport needs of pupils of Westlake Girls' High School through the development and operation of Westlake Station and the busway system, in the light of consultation with the School;
- c. Methods of limiting the use of the busway to emergency vehicles and no more than 350HOVs (excluding buses) per hour north of Esmonde Road, including a restriction on the access of HOVs through Constellation Drive Station to no more than 350HOVs;
- d. Details of a monitoring programme to be undertaken detailing the demand for car parking in the vicinity of the Sunnynook Station and Westlake Station prior to the opening of the Station and at regular intervals (a minimum of 2 per annum) for a minimum period of five years following the opening of the Station to the public and measures to manage any such demand. (This condition shall only apply to Notices of Requirement 8 and 9); and
- e. Details of pedestrian access to be provided within the Westlake Bus Station and along Shakespeare Road Extension- (This condition shall apply only to Notice of Requirement 8).

10.2 In order to prevent potentially significant traffic disruption during and after construction, the existing Onewa Interchange shall continue to be fully operational (that is in the manner in which it currently operates) until such time as the works proposed as part of the Esmonde

Interchange project have been completed and the Esmonde Interchange is fully operational.

10.3 The public use of the Westlake Station shall not be allowed until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

11. Construction Management Conditions

11.1 The PMP shall include a Construction Management Plan which shall refer to all conditions imposed on any relevant resource consents granted by the Auckland Regional Council.

11.2 The purpose of the Construction Management Plan is to set out methods by which any dust nuisance from construction will be avoided or minimised and by which the possibility of ground vibration during construction can be notified to adjacent land owners and occupiers. In particular, the Management Plan shall identify amongst other things:

- a. Specific methods by which dust will be managed, including cleaning vehicle tyres before vehicles enter public roads, wetting or covering surfaces and replanting disturbed areas;
- b. Contingency measures to ensure that, in the event of any dust nuisance arising, immediate remedial measures are implemented;
- c. Procedures for prior notification of the use of machinery likely to generate vibration effects beyond the area of the designation to properties where ground vibration may be felt;
- d. The means by which loss of vehicle access to be (sic) properties will minimise inconvenience to each property owner affected following consultation with affected property owners;
- e. Methods of ensuring pedestrian safety along public footpaths and particularly where works are proposed in close proximity to any school;
- f. Procedures for handling any dust and ground vibration complaints; and

In respect of Takapuna Normal Intermediate School the Management Plan shall include measures to address the following, in consultation with the School:

- i. Preventing students from gaining access to the construction site via the parking area off Northcote road or Smiths bush by the erection of such gates or fencing as may be agreed to by the School and the Requiring Authority;
- ii. Control of construction traffic moving between the construction site and Northcote Road so as to encourage the safe movement of students along Northcote Road; and
- iii. Minimising any adverse effects of construction on the playing field, in particular, dust nuisance.

11.3 The Requiring Authority shall ensure that the Construction Management Plan is complied with at all times during construction and that a copy is kept at all site offices.

11.4 The Requiring Authority and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

11.5 The Requiring Authority shall advise neighbouring owners and occupiers in the vicinity of the affected area of the date on which construction is to start, the expected duration of the work, and the telephone number of Site Liaison Officer who is able to respond to queries.

11.6 The location and extent of each stage of the site works will be identified and the ~~North Shore City~~ Auckland Council advised of the construction timetable.

11.7 The earthworks contractor shall be required to maintain the stability of the land and property at the boundary of the site by the best practicable method and to monitor that such

works are and remain effective.

11.8 Control measures shall be in place to ensure that any vehicles leaving the designated site do not deposit soil or other debris on public roads. Any such material deposited on any public road shall be cleaned up as soon as practicably possible at the Requiring Authority's expense.

11.9 Adequate provision shall be made during the earthworks construction for the protection of the existing public drains that traverse the designation. It is the Requiring Authority's responsibility to remedy any damages to the public drains that may occur during construction.

11.10 Protected vegetation areas and trees identified in the Landscape Mitigation Plan are to be retained and protected. Other sensitive areas of the site are to be identified and marked for protection prior to the commencement of works.

11.11 Spoil from earthworks, surplus to site requirements, shall be disposed of at an approved landfill site.

12. Exmouth Road Pedestrian Overbridge

12.1 The Requiring Authority will use its best endeavours to obtain all necessary resource consents to allow reinstatement of the existing Exmouth Road pedestrian overbridge in the same or a similar location but extended to provide access across the bus lane to the foreshore. If such consents are granted the Requiring Authority shall reinstate the overbridge prior to the consents lapsing.

13. Westlake Boys High School

13.1 The School accessway, adjoining the western boundaries of the Altona road properties and connecting the northern and southern playing fields, shall be constructed with a minimum width of 4m and designed so that service vehicles and pedestrians can obtain safe and convenient access.

13.2 The western embankment adjoining the southern playing fields of the School shall be planted with *Alnus incana* and *Alnus rubra* at a size and spacing to be detailed within the Landscape Mitigation Plan.

13.3 The Requiring Authority shall use its best endeavours to undertake construction of the works in the area adjoining the northern playing fields during the School Summer holidays (approximately 10 December – 31 January the following year).

14. Westlake Girls High School

14.1 The Requiring Authority shall use its best endeavours to ensure that the pin oak trees along the western boundary of the School are retained.

14.2 The Requiring Authority shall use its best endeavours to undertake construction of the works along the School boundary during the School Summer holidays (approximately 10 December – 31 January the following year).

15. Takapuna Normal Intermediate School

15.1 A permanent 1.8 metre close boarded and battened wooden fence shall be erected along the western boundary of the school (as identified in the **attached** plan titled "Building Locations Takapuna Normal Intermediate School") prior to commencement of construction of the Busway.

15.2 Where the operation of the Busway results in increases in traffic noise above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any existing Takapuna Normal Intermediate School classroom with windows open (identified in the **attached** plan), then the requiring authority shall implement mitigation measures which result in the noise level not exceeding either 45 dBA Leq, or the ambient noise levels existing prior to the establishment of the Busway, whichever is higher. This noise level shall be achieved together with the ventilation requirements of the New Zealand Building Code, Clause G4 and New Zealand Standard 4303:1990 'Ventilation Requirements for acceptable indoor air quality' and in particular the requirements for educational institutions.

15.3 The Requiring Authority shall provide for:

- a. Replanting, or replacement where replanting is not practicable, of trees along the western boundary that are required to be removed for construction of the Busway; and
- b. Planting along the inside of the 1.8 metre fence (as described in condition 15.1) to mitigate the visual impact of the fence.

16. Smales Farm

16.1 The requiring authorities shall consult with a liaison person appointed by Shea Investments Limited and Betty Leila Holdings Limited in respect of:

- a. The detailed landscape plan to be prepared for the Busway in the vicinity of Smales Farm, for the purpose of ensuring that the landscaping for the Busway is integrated with the landscape development of Smales Farm; and
- b. That part of the Traffic Mitigation Plan that relates to Shakespeare Road Extension and Westlake Bus Station.

17. T D Jane, L J & M F Bilton & A S & S J Church

17.1 Subject to access being granted by the landowners of the properties legally described as Lot 127, DP 56740 (CT 9C/703), Lot 128, DP 56740 (CT C/104) and Lot 129, DP 56740 ("the properties"), the Requiring Authority will implement the landscaping plan prepared by LA4 Landscape Architects for the properties (titled "Proposed Planting to Mitigate Busway" **attached**) and any amendments to the planting shown on the plan as reasonably agreed between the landowners and the Requiring Authority. Failing agreement within 12 months of completion of construction of the fence, the Requiring Authority shall implement the LA4 landscaping plan (or its equivalent in value).

17.2 The Requiring Authority shall construct a fence on the properties' western boundaries prior to construction of the Project commencing adjacent to the landowners properties. The fence shall have the following specifications:

- a. To be located along the properties' western legal boundaries at 2 metres above ground level (as at 16 May 2003) at 7 and 10 Altona Road, and at 2 metres and rising to 2.5 metres above ground level at the northern end at 9 Altona road, for the full length of the boundaries of those properties;
- b. To be constructed of exterior grade (marine) plywood having a thickness of 17.5 mm or more;
- c. Plywood panels to be bolted to a framework so as to ensure no gaps or cracks and to meet the surface of the ground at their lower edge;
- d. Fence posts and framework to be specified by engineering design;
- e. ~~Transit NZTA~~ shall construct gates in the fence if requested by the landowners of 7 and 9 Altona Road; and
- f. To be certified by an engineer as having a design life of 20 years (except that certification of the design life of the fence shall not apply to any gates requested to be constructed).

Advice note:

It is the Requiring Authority's intention to construct the fence as part of the enabling works

during 2003 or by April 2004 at the latest.

17.3 Any construction activities exceeding the Construction Standard set out in condition 7.3 between chainage 13200 to 13000 shown on the designation plan “Harbour Bridge to Constellation Drive Designation Plans Westlake Boys High School, Drawing No. 7716C609” (the affected area”) shall be undertaken between the hours of 8.00am – 6.00pm on weekdays only and shall exclude the two weeks following Christmas Eve. For the avoidance of any doubt, condition 7.5 relating to works exceeding the Construction Standard continues to apply to the landowners as affected parties.

17.4 The Requiring Authority shall undertake earthworks in the affected area in one stage.

17.5 The Requiring Authority shall consult with the landowners on the mitigation plans referred to in the conditions 5, 6, 7, 8, 9, 10 and 11 on the designation insofar as the mitigation plans affect the landowners’ properties

18. Bateman Property

Stormwater

18.1 As part of the busway construction works, Transit NZTA and NSCG Auckland Council shall provide the following measures to address stormwater effects:

- a. Transit NZTA shall pipe the existing drain from chainage 15100 down to 14960 (see Figs 1a – 1c, **attached**);
- b. Transit NZTA and NSCG Auckland Council shall widen by 4m the motorway side of the existing drain located on the eastern side of the motorway, from the level of the top of the present vertical concrete wall, from chainage 14960m to Sunnynook Road Culvert (as shown on the **attached** Figs 1a – 1c), such widening shall be at a grade as flat as possible from the existing concrete wall, consistent with efficient fall;
- c. NSCG Auckland Council shall use its best endeavours to reduce the volume of debris caught on the central wall of the Sunnynook Road Culvert by reshaping the leading edge of the central wall;
- e. Transit NZTA and NSCG Auckland Council shall undertake the following measures to avoid slope instability and scour:
 - i. Provide a batter toe restraint retaining wall to buttress the lower position of the batter;
 - ii. Construct a gabion wall or timber pole wall to support the toe restraint retaining wall; and
 - iii. To undertake grass seedling over the four metre widening of the berm.

Advice Note:

It is recorded that Mr Bateman has agreed to provide access to Transit NZTA and NSCG Auckland Council or their contractors to enable them to undertake any drainage improvement works required within or adjacent to the Bateman family property.

Noise

18.2 Transit NZTA shall construct a concrete 0.8 metre high barrier between the Busway and the property in compliance with the letter from Marshall Day Acoustics Limited dated 18 December 2002 (**attached** as Appendix 1). The detailed design of this barrier is to be finalized as part of the busway detailed design.

18.3 Transit NZTA shall construct a 0.8 metre high solid concrete New Jersey Barrier on top of the retaining wall between the motorway and the busway as also described in Appendix 1; the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.4 Transit NZTA shall construct a 1.8 metre high barrier at the rear of the Sunnynook Station between the proposed bus shelter and the end of the platform to mitigate any reflection of noise from the northbound bus shelter, the detailed design of this barrier is to be

finalised as part of the busway detailed design.

18.5 Transit NZTA agrees that any retaining wall to be constructed for the purposes of the Sunnynook Station shall be constructed from non-reflective materials to mitigate any potential noise effects.

Landscaping

18.6 Transit NZTA shall undertake screen planting, consisting of native trees, shrubs and ground cover between Sunnynook Station, the busway and the property, as shown on the **attached** plan (titled “North Shore Busway Project: Amended Landscape Development for Sunnynook Bus Station, Figure 2”) to provide effective screening. The planting, including the planting shown on the embankment between the busway and the motorway, will be undertaken as soon as practicable following the construction works and within the first planting season to provide effective screening.

18.7 The landscaping and planting provided for under clause 18.6 shall be planted at Pb28 grade so that the plants are approximately 1.5 metres high when planted.

18.8 All planting shall be tended and maintained to ensure the full establishment and effectiveness of the landscaping including replacement planting where necessary.

Attachments

No attachments.

Designation 1424

1424 Akoranga Station Link Road - Takapuna Landing

Designation Number	1424
Requiring Authority	Auckland Transport
Location	Takapuna Landing, Takapuna
Rollover Designation	Yes
Legacy Reference	Designation 173, Auckland Council District Plan (North Shore Section) 2002
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

Akoranga Station Link Road - for the construction, operation and maintenance of a road.

Conditions

The conditions below apply:

1. General Conditions
2. Duration Of Designation
3. PMP and Outline Plans
4. Archaeological Mitigation Conditions (other than 4.3 and 4.4)
5. Ecological Mitigation Conditions (other than 5.5, 5.6 and 5.7)
6. Landscape Mitigation Conditions
7. Noise Mitigation Conditions
9. Vibration Mitigation Conditions
10. Traffic Mitigation Conditions (other than 10.1(ii), (iv) and (v), 10.2 and 10.3)
11. Construction Management Conditions (including measures addressing the contaminated nature of Barrys Point Reserve and potential remediation measures.

1. General Conditions

1.1 The scope and extent of the works envisaged within the designation shall be generally in accordance with the Notices of Requirement, the plans contained in "Volume 3 – A3 Plans" forming part of the documentation supporting the Notice of Requirement, and the relevant detailed plans in the Technical Reports in Volume 5, subject to the final design and the conditions set out below.

1.2 Prior to any works being commenced in particular location(s) of work, the Requiring Authority shall obtain all requisite resource consents for the location(s) affected under the Resource Management Act 1991.

1.3 Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.

1.4 At all times reasonable vehicular access shall be maintained to private properties not directly affected by construction and/or operation in the area affected. Where private properties are directly affected by construction and/or operations causing vehicular access to be temporarily prevented and no alternative can be utilised, the Requiring Authority shall ensure that the property owner is consulted with respect to the most suitable time for

carrying out the work and the Requiring Authority shall minimise the period during which vehicular access is prevented.

1.5 A permanent liaison position from within the joint Project Governance Team of NSSC Auckland Council and the Requiring Authority will be appointed for the duration of the project. This person is to be available for ongoing consultation on all matters of concern to affected persons.

1.6 All contract documentation for physical works shall include reference to the designation conditions, any other resource consents (including conditions) and any approved mitigation or outline plan(s) held for the project.

1.7 Where requested by the owners, the Requiring Authority shall physically peg out the extent of the alignment in individually affected properties once the designation has been confirmed or all appeals have been determined, whichever is the later.

2. Duration of the Designation Condition deleted

~~2.1 In accordance with Section 184(1)(c) and Section 184A(2)(c) of the Resource Management Act 1991, the designation will lapse on the expiry of ten years, except for NOR 8 which will lapse on the expiry of five years, after the date on which it is included in the District Plan unless:~~

~~2.2 It is given effect to before the end of that period; or~~

~~2.3 The territorial authority determines, on an application made not later than three months before the expiry of that period; that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made and fixes a longer period to five effect to the designation.~~

3. Project Management Plans (PMP) and Outline Plans

3.1 The requiring authority shall prepare a PMP which shall include mitigation/management plans as referred to in conditions 5, 6, 7, 8, 9, 10 and 11. 3.2.

No works shall be undertaken in any particular location(s) until:

a. The PMP, or such part(s) of the PMP as are relevant to the location(s) are approved in the manner provided for in condition 3.3; and

b. Any outline plan(s) required by section 176A of the Resource Management Act 1991 (*RMA*) in relation to the works in the location(s), are approved in the manner provided in condition 3.3. 3.3

Approvals pursuant to condition 3.2(a) shall be obtained from the General Manager of Environmental Services, ~~North Shore City~~ Auckland Council, and a senior regulatory officer of the NSSC Auckland Council who is at the time of the approval a member of the Project Governance Team for the management of the works (*the approval officers*).

Advice Note:

Where an outline plan or plans are required by section 176A RMA for works in any particular location(s) and the approval officers agree that the PMP or relevant part(s) of the PMP contains adequate details to satisfy section 176 RMA, then the Council may waive the requirement for an Outline Plan.

3.4 The works shall only be undertaken in accordance with an approved PMP and outline plan (where required).

3.5 If for any reason the PMP is not approved, the outline plan procedure under s 176A shall apply. For the avoidance of any doubt, the mitigation/management plans prepared under conditions 5, 6, 7, 8, 9, 10 and 11 shall be included with any outline plan lodged for approval pursuant to s 176A.

4. Archaeological Mitigation Conditions

4.1 If construction work uncovers any archaeological remains, the Requiring Authority will immediately advise local iwi and the New Zealand Historic Places Trust and cease working in the affected area until any necessary authority required by the New Zealand Historic Places Trust is obtained. (All archaeological sites are protected under the provisions of the Historic Places Act 1993, whereby it is unlawful to modify, damage or destroy an archaeological site, whether recorded or not, without prior consent of the Historic Places Trust).

4.2 That all recorded archaeological sites and other cultural heritage sites in the vicinity of the works shall be clearly marked on the construction plans.

4.3 Any significant native trees removed from Smiths bush as part of the works to construct the busway shall be offered as gifts to Te Hao o Ngati Whatua and/or Ngati Whatua o Orakei.

4.4 Preliminary earthworks in the vicinity of Onewa Road and Sylvan Ave realignment will be monitored by a suitably qualified and experienced archaeologist.

5. Ecological Mitigation Conditions

5.1 The PMP shall include an Ecological Mitigation Plan prepared by a suitably qualified and experienced ecologist who shall have regard to:

- i. The recommendations contained in the audit by Shona Myers – Natural Heritage Scientist, ARC as to planting and the implementation of mitigation measures;
- ii. The planting of appropriate plant species as identified in ARC Technical Publication 148: Riparian Zone Management: Strategy for the Auckland Region, June 2001.

5.2 The Plan shall provide for:

- i. Planting in riparian zones where consent of the landowner is obtained;
- ii. Mitigation of potential coastal effects.

5.3 Wherever practicable, any disturbance of existing vegetation shall be avoided.

5.4 Where riparian vegetation disturbance cannot be practicably avoided, the Requiring Authority shall take care that any necessary disturbance is minimised as far as practicable. For the avoidance of doubt, this condition is not intended to prohibit necessary disturbance, which is defined as including, but is not limited to, vegetation clearance, the construction and operation of all roads, depots, storage facilities and spoil disposal areas.

5.5 The PMP shall include a plan of the proposed works within the eastern remnant of Smiths Bush in sufficient detail to determine the impact on existing vegetation and the Requiring Authority shall undertake its best endeavours to minimise the removal of vegetation from Smiths Bush.

5.6 All works within the eastern remnant of Smiths Bush shall be supervised by a suitably qualified and experienced arboriculturist.

5.7 As a means of attempting to retain the overall ecological viability of Smiths Bush, any vegetation removed from the eastern remnant of the bush shall be replaced where

practicable in accordance with a native tree planting and maintenance regime approved under condition 3.3. and following consultation with appropriate staff at the Auckland Regional Council.

6. Landscape Mitigation Conditions

6.1 The PMP shall include a Landscape Mitigation Plan prepared by a suitably qualified and experienced landscape architect who shall have regard to:

- a. The Landscape Mitigation Plan prepared by LA4 Landscape Architects and contained in the Esmonde Interchange Project: Assessment of Environmental Effects Volume 10c; and
- b. The recommendations contained in the audits by Melean Absolum and Chris Boucher.

6.2 The Landscape Mitigation Plan shall provide for:

- a. The integration of the proposed works into the surrounding landscape;
- b. Appropriate consideration of the angle and extent of batter slopes;
- c. Appropriate screening of existing land-uses along Fred Thomas Drive;
- d. Design of borrow and disposal areas for excess fill to avoid significant visual impact, and to maximise integration with the general form of the surrounding landscape;
- e. Ecological mitigation measures (eg revegetation) required in accordance with the Ecological Mitigation Condition;
- f. Mitigation of effects on properties in the vicinity of the busway;
- g. Noise mitigation measures (eg noise barriers) required in accordance with the Noise Mitigation Conditions and the screening of such measures with planting between barriers and the busway carriageway;
- h. Detailed designs of the acoustic barriers, retaining walls, and earth bunds in conjunction with the engineers where necessary; and
- i. The identification of existing trees and vegetation sited on the boundary of the Busway designation that ought to be retained for screening purposes.

6.3 The Landscape Mitigation Plan shall include details of:

- j. All proposed planting (including species, species size, densities, areas and locations);
- k. The planting programme;
- l. The maintenance programme. This programme shall include details of weed control, performance standards specifying allowable percentage survival rates, and replacement of any planting features;
- m. The sufficiency of the soil medium to sustain all planting proposed; and
- n. An appropriate maintenance regime.

6.4 All landscape mitigation planting shall be implemented during the first planting season following completion of the project construction works providing climatic conditions are suitable, otherwise at the first practicable opportunity thereafter. Following completion of planting, the Requiring Authority shall submit to the ~~North Shore City~~ Auckland Council a report by the landscape architect on the implementation of the landscape plan.

6.5 Where practicable, any planting utilising native plants shall use plants genetically sourced from the ecological district.

6.6 Exposed cut and fill batters and slopes shall be re-vegetated as soon as practicable after construction.

7. Noise Mitigation Conditions

7.1 The project shall, as a minimum standard, be designed and constructed to comply with the limits within the ~~Transit NZ~~ NZTA Guidelines for the Management of Traffic Noise for State Highway Improvements and with the acoustic report 'North Shore Busway Project, SH1 busway, Report No 97245B' by Marshall Day Acoustic Limited.

7.2 The PMP shall include a Noise Mitigation Plan prepared by a suitably qualified noise consultant. The purpose of the plan is to describe the methods by which noise associated with traffic using the roading and the bus stations within the designation will be made to comply with specified noise limits at all affected dwellings and schools in the vicinity of the area affected. Where the ambient sound level is required to determine design limits then this shall be done prior to construction commencing.

7.3 The Requiring Authority shall ensure that all construction works are carried out in accordance with NZS 6803P:1984 "The Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work".

7.4 The PMP shall include a Construction Noise Management Plan. The purpose of the Plan is to describe the methods by which noise associated with the construction of the work will be managed to comply with condition 7.3 above. In particular, the Construction Noise Management Plan shall identify:

- a. The location of permanent acoustic fences to be installed prior to the commencement of the main construction works;
- b. Methods of managing noise;
- c. Noise monitoring methods, including details of methods, equipment, location and frequency;
- e. Contingency measures in the event of any incidence of non-compliance; and
- f. Procedures for handling noise complaints.

7.5 Where the requirements of condition 7.4 are unable to be met, the alternative strategies that have been developed following consultation with affected landowners will be implemented. Such alternatives may include, but not be limited to, temporary relocation of occupiers, compensation for occupiers and purchase of the affected properties.

7.6 Construction works shall at all times be undertaken in accordance with the Construction Noise Management Plan.

7.7 Where practicable, acoustic barriers required to meet ~~Transit~~ NZTA Noise Guidelines in particular locations, shall be erected prior to commencement of the construction works in those locations.

7.8 Where temporary acoustic barriers are proposed in the Marshall Day Report, and where their retention would result in effective traffic noise reduction for residents or educational facilities, they shall be built to a standard such that the barriers will be able to remain permanently in place at heights approved under condition 3.3, taking into consideration traffic noise reduction visual and landscaping factors and consultation with adjoining property owners.

7.9 Unless:

- a. Otherwise agreed between Ministry of Education (MOE) and the requiring authority; or
- b. MOE agrees to compensation with the Requiring Authority for the noise effects from the Busway and associated new works; where *additional* traffic noise resulting from the Busway or associated new works increases above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any classroom, then the requiring authority shall, immediately following commissioning of the Busway, implement mitigation measures which result in the noise level not *exceeding* 45 dBA Leq, or the ambient noise level *existing* prior to the establishment of the Busway, whichever is the higher. This noise level shall be achieved together with the ventilation requirements of The New Zealand Building Code, Clause C4.

8. Geotechnical Mitigation Condition

8.1 A Geotechnical Mitigation Plan shall be prepared by a suitably qualified Geotechnical Engineer in consultation with ~~North Shore City~~ Auckland Council. The plan shall be submitted to the ~~North shore City~~ Auckland Council prior to construction of any stage and shall take into account the recommendations of the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues' – November 2001.

9. Vibration Mitigation Conditions

9.1 The PMP shall include a Vibration Mitigation Plan having regard to the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001'. This Mitigation plan shall include details of how the works will comply with the requirement of German Standards DIN4150 "Structural Vibration in Buildings – Effects on Structures" during construction and shall take into account the recommendations.

9.2 A dilapidation survey of 'at risk' buildings, as per the recommendations of the audit prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001', shall be undertaken prior to during and after completion of the construction works, provided the consent of any landowner and/or occupier can be obtained.

10. Traffic Mitigation Conditions

10.1 The PMP shall include a Traffic Mitigation Plan based on its adopted design for the project. The Traffic Mitigation Plan shall include:

- a. Methods of mitigating the local and network wide effects of both the construction of individual elements of the project 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 of helping to accommodate the bus transport needs of pupils of Westlake Girls' High School through the development and operation of Westlake Station and the busway system, in the light of consultation with the School;
- c. Methods of limiting the use of the busway to emergency vehicles and no more than 350HOVs (excluding buses) per hour north of Esmonde Road, including a restriction on the access of HOVs through Constellation Drive Station to no more than 350HOVs;
- d. Details of a monitoring programme to be undertaken detailing the demand for car parking in the vicinity of the Sunnynook Station and Westlake Station prior to the opening of the Station and at regular intervals (a minimum of 2 per annum) for a minimum period of five years following the opening of the Station to the public and measures to manage any such demand. (This condition shall only apply to Notices of Requirement 8 and 9); and
- e. Details of pedestrian access to be provided within the Westlake Bus Station and along Shakespeare Road Extension- (This condition shall apply only to Notice of Requirement 8).

10.2 In order to prevent potentially significant traffic disruption during and after construction, the existing Onewa Interchange shall continue to be fully operational (that is in the manner in which it currently operates) until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

10.3 The public use of the Westlake Station shall not be allowed until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

11. Construction Management Conditions

11.1 The PMP shall include a Construction Management Plan which shall refer to all conditions imposed on any relevant resource consents granted by the Auckland Regional Council.

11.2 The purpose of the Construction Management Plan is to set out methods by which any dust nuisance from construction will be avoided or minimised and by which the possibility of ground vibration during construction can be notified to adjacent land owners and occupiers. In particular, the Management Plan shall identify amongst other things:

- a. Specific methods by which dust will be managed, including cleaning vehicle tyres before vehicles enter public roads, wetting or covering surfaces and replanting disturbed areas;
- b. Contingency measures to ensure that, in the event of any dust nuisance arising, immediate remedial measures are implemented;
- c. Procedures for prior notification of the use of machinery likely to generate vibration effects beyond the area of the designation to properties where ground vibration may be felt;
- d. The means by which loss of vehicle access to be (sic) properties will minimise inconvenience to each property owner affected following consultation with affected property owners;
- e. Methods of ensuring pedestrian safety along public footpaths and particularly where works are proposed in close proximity to any school;
- f. Procedures for handling any dust and ground vibration complaints; and

In respect of Takapuna Normal Intermediate School the Management Plan shall include measures to address the following, in consultation with the School:

- i. Preventing students from gaining access to the construction site via the parking area off Northcote road or Smiths bush by the erection of such gates or fencing as may be agreed to by the School and the Requiring Authority;
- ii. Control of construction traffic moving between the construction site and Northcote Road so as to encourage the safe movement of students along Northcote Road; and
- iii. Minimising any adverse effects of construction on the playing field, in particular, dust nuisance.

11.3 The Requiring Authority shall ensure that the Construction Management Plan is complied with at all times during construction and that a copy is kept at all site offices.

11.4 The Requiring Authority and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

11.5 The Requiring Authority shall advise neighbouring owners and occupiers in the vicinity of the affected area of the date on which construction is to start, the expected duration of the work, and the telephone number of Site Liaison Officer who is able to respond to queries.

11.6 The location and extent of each stage of the site works will be identified and the ~~North Shore City~~ Auckland Council advised of the construction timetable.

11.7 The earthworks contractor shall be required to maintain the stability of the land and property at the boundary of the site by the best practicable method and to monitor that such works are and remain effective.

11.8 Control measures shall be in place to ensure that any vehicles leaving the designated site do not deposit soil or other debris on public roads. Any such material deposited on any public road shall be cleaned up as soon as practicably possible at the Requiring Authority's expense.

11.9 Adequate provision shall be made during the earthworks construction for the protection of the existing public drains that traverse the designation. It is the Requiring Authority's responsibility to remedy any damages to the public drains that may occur during

construction.

11.10 Protected vegetation areas and trees identified in the Landscape Mitigation Plan are to be retained and protected. Other sensitive areas of the site are to be identified and marked for protection prior to the commencement of works.

11.11 Spoil from earthworks, surplus to site requirements, shall be disposed of at an approved landfill site.

12. Exmouth Road Pedestrian Overbridge

12.1 The Requiring Authority will use its best endeavours to obtain all necessary resource consents to allow reinstatement of the existing Exmouth Road pedestrian overbridge in the same or a similar location but extended to provide access across the bus lane to the foreshore. If such consents are granted the Requiring Authority shall reinstate the overbridge prior to the consents lapsing.

13. Westlake Boys High School

13.1 The School accessway, adjoining the western boundaries of the Altona road properties and connecting the northern and southern playing fields, shall be constructed with a minimum width of 4m and designed so that service vehicles and pedestrians can obtain safe and convenient access.

13.2 The western embankment adjoining the southern playing fields of the School shall be planted with *Alnus incana* and *Alnus rubra* at a size and spacing to be detailed within the Landscape Mitigation Plan.

13.3 The Requiring Authority shall use its best endeavours to undertake construction of the works in the area adjoining the northern playing fields during the School Summer holidays (approximately 10 December – 31 January the following year).

14. Westlake Girls High School

14.1 The Requiring Authority shall use its best endeavours to ensure that the pin oak trees along the western boundary of the School are retained.

14.2 The Requiring Authority shall use its best endeavours to undertake construction of the works along the School boundary during the School Summer holidays (approximately 10 December – 31 January the following year).

15. Takapuna Normal Intermediate School

15.1 A permanent 1.8 metre close boarded and battened wooden fence shall be erected along the western boundary of the school (as identified in the **attached** plan titled "Building Locations Takapuna Normal Intermediate School") prior to commencement of construction of the Busway.

15.2 Where the operation of the Busway results in increases in traffic noise above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any existing Takapuna Normal Intermediate School classroom with windows open (identified in the **attached** plan), then the requiring authority shall implement mitigation measures which result in the noise level not exceeding either 45 dBA Leq, or the ambient noise levels existing prior to the establishment of the Busway, whichever is higher. This noise level shall be achieved together with the ventilation requirements of the New Zealand Building Code, Clause G4 and New Zealand Standard 4303:1990 'Ventilation Requirements for acceptable indoor air quality' and in particular the requirements for educational institutions.

15.3 The Requiring Authority shall provide for:

- a. Replanting, or replacement where replanting is not practicable, of trees along the western boundary that are required to be removed for construction of the Busway; and
- b. Planting along the inside of the 1.8 metre fence (as described in condition 15.1) to mitigate the visual impact of the fence.

16. Smales Farm

16.1 The requiring authorities shall consult with a liaison person appointed by Shea Investments Limited and Betty Leila Holdings Limited in respect of:

- a. The detailed landscape plan to be prepared for the Busway in the vicinity of Smales Farm, for the purpose of ensuring that the landscaping for the Busway is integrated with the landscape development of Smales Farm; and
- b. That part of the Traffic Mitigation Plan that relates to Shakespeare Road Extension and Westlake Bus Station.

17. T D Jane, L J & M F Bilton & A S & S J Church

17.1 Subject to access being granted by the landowners of the properties legally described as Lot 127, DP 56740 (CT 9C/703), Lot 128, DP 56740 (CT C/104) and Lot 129, DP 56740 ("the properties"), the Requiring Authority will implement the landscaping plan prepared by LA4 Landscape Architects for the properties (titled "Proposed Planting to Mitigate Busway" **attached**) and any amendments to the planting shown on the plan as reasonably agreed between the landowners and the Requiring Authority. Failing agreement within 12 months of completion of construction of the fence, the Requiring Authority shall implement the LA4 landscaping plan (or its equivalent in value).

17.2 The Requiring Authority shall construct a fence on the properties' western boundaries prior to construction of the Project commencing adjacent to the landowners properties. The fence shall have the following specifications:

- a. To be located along the properties' western legal boundaries at 2 metres above ground level (as at 16 May 2003) at 7 and 10 Altona Road, and at 2 metres and rising to 2.5 metres above ground level at the northern end at 9 Altona road, for the full length of the boundaries of those properties;
- b. To be constructed of exterior grade (marine) plywood having a thickness of 17.5 mm or more;
- c. Plywood panels to be bolted to a framework so as to ensure no gaps or cracks and to meet the surface of the ground at their lower edge;
- d. Fence posts and framework to be specified by engineering design;
- e. ~~Transit NZTA~~ shall construct gates in the fence if requested by the landowners of 7 and 9 Altona Road; and
- f. To be certified by an engineer as having a design life of 20 years (except that certification of the design life of the fence shall not apply to any gates requested to be constructed).

Advice note:

It is the Requiring Authority's intention to construct the fence as part of the enabling works during 2003 or by April 2004 at the latest.

17.3 Any construction activities exceeding the Construction Standard set out in condition 7.3 between chainage 13200 to 13000 shown on the designation plan "Harbour Bridge to Constellation Drive Designation Plans Westlake Boys High School, Drawing No. 7716C609" (the affected area") shall be undertaken between the hours of 8.00am – 6.00pm on weekdays only and shall exclude the two weeks following Christmas Eve. For the avoidance of any doubt, condition 7.5 relating to works exceeding the Construction Standard continues to apply to the landowners as affected parties.

17.4 The Requiring Authority shall undertake earthworks in the affected area in one stage.

17.5 The Requiring Authority shall consult with the landowners on the mitigation plans referred to in the conditions 5, 6, 7, 8, 9, 10 and 11 on the designation insofar as the mitigation plans affect the landowners' properties

18. Bateman Property

Stormwater

18.1 As part of the busway construction works, ~~Transit NZTA~~ and ~~NSCC Auckland Council~~ shall provide the following measures to address stormwater effects:

- a. ~~Transit NZTA~~ shall pipe the existing drain from chainage 15100 down to 14960 (see Figs 1a – 1c, **attached**);
- b. ~~Transit NZTA~~ and ~~NSCC Auckland Council~~ shall widen by 4m the motorway side of the existing drain located on the eastern side of the motorway, from the level of the top of the present vertical concrete wall, from chainage 14960m to Sunnynook Road Culvert (as shown on the **attached** Figs 1a – 1c), such widening shall be at a grade as flat as possible from the existing concrete wall, consistent with efficient fall;
- c. ~~NSCC Auckland Council~~ shall use its best endeavours to reduce the volume of debris caught on the central wall of the Sunnynook Road Culvert by reshaping the leading edge of the central wall;
- e. ~~Transit NZTA~~ and ~~NSCC Auckland Council~~ shall undertake the following measures to avoid slope instability and scour:
 - i. Provide a batter toe restraint retaining wall to buttress the lower position of the batter;
 - ii. Construct a gabion wall or timber pole wall to support the toe restraint retaining wall; and
 - iii. To undertake grass seedling over the four metre widening of the berm.

Advice Note:

It is recorded that Mr Bateman has agreed to provide access to ~~Transit NZTA~~ and ~~NSCC Auckland Council~~ or their contractors to enable them to undertake any drainage improvement works required within or adjacent to the Bateman family property.

Noise

18.2 ~~Transit NZTA~~ shall construct a concrete 0.8 metre high barrier between the Busway and the property in compliance with the letter from Marshall Day Acoustics Limited dated 18 December 2002 (**attached** as Appendix 1). The detailed design of this barrier is to be finalized as part of the busway detailed design.

18.3 ~~Transit NZTA~~ shall construct a 0.8 metre high solid concrete New Jersey Barrier on top of the retaining wall between the motorway and the busway as also described in Appendix 1; the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.4 ~~Transit NZTA~~ shall construct a 1.8 metre high barrier at the rear of the Sunnynook Station between the proposed bus shelter and the end of the platform to mitigate any reflection of noise from the northbound bus shelter, the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.5 ~~Transit NZTA~~ agrees that any retaining wall to be constructed for the purposes of the Sunnynook Station shall be constructed from non-reflective materials to mitigate any potential noise effects.

Landscaping

18.6 ~~Transit NZTA~~ shall undertake screen planting, consisting of native trees, shrubs and ground cover between Sunnynook Station, the busway and the property, as shown on the **attached** plan (titled "North Shore Busway Project: Amended Landscape Development for

Sunnynook Bus Station, Figure 2”) to provide effective screening. The planting, including the planting shown on the embankment between the busway and the motorway, will be undertaken as soon as practicable following the construction works and within the first planting season to provide effective screening.

18.7 The landscaping and planting provided for under clause 18.6 shall be planted at Pb28 grade so that the plants are approximately 1.5 metres high when planted.

18.8 All planting shall be tended and maintained to ensure the full establishment and effectiveness of the landscaping including replacement planting where necessary.

Attachments

No attachments.

Designation 1425

1425 Akoranga Pedestrian Overbridge

Designation Number	1425
Requiring Authority	Auckland Transport
Location	20 Takapuna Landing (Akoranga Station), Takapuna (over State Highway 1) to 72 Akoranga Drive (Akoranga Campus), Northcote
Rollover Designation	Yes
Legacy Reference	Designation 174, Auckland Council District Plan (North Shore Section) 2002
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

Akoranga Pedestrian Overbridge - for the construction, operation and maintenance of a pedestrian overbridge.

Conditions

The conditions below apply:

1. General Conditions

1.9 No works in relation to the proposed overbridge shall be undertaken until such time as works have commenced in relation to the Akoranga Station.

2. Duration Of Designation

3. PMP and Outline Plans

6. Landscape Mitigation Conditions

8. Geotechnical Mitigation Conditions

11. Construction Management Conditions

1. General Conditions

1.1 The scope and extent of the works envisaged within the designation shall be generally in accordance with the Notices of Requirement, the plans contained in "Volume 3 – A3 Plans" forming part of the documentation supporting the Notice of Requirement, and the relevant detailed plans in the Technical Reports in Volume 5, subject to the final design and the conditions set out below.

1.2 Prior to any works being commenced in particular location(s) of work, the Requiring Authority shall obtain all requisite resource consents for the location(s) affected under the Resource Management Act 1991.

1.3 Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.

1.4 At all times reasonable vehicular access shall be maintained to private properties not directly affected by construction and/or operation in the area affected. Where private properties are directly affected by construction and/or operations causing vehicular access to be temporarily prevented and no alternative can be utilised, the Requiring Authority shall ensure that the property owner is consulted with respect to the most suitable time for

carrying out the work and the Requiring Authority shall minimise the period during which vehicular access is prevented.

1.5 A permanent liaison position from within the joint Project Governance Team of NSSC Auckland Council and the Requiring Authority will be appointed for the duration of the project. This person is to be available for ongoing consultation on all matters of concern to affected persons.

1.6 All contract documentation for physical works shall include reference to the designation conditions, any other resource consents (including conditions) and any approved mitigation or outline plan(s) held for the project.

1.7 Where requested by the owners, the Requiring Authority shall physically peg out the extent of the alignment in individually affected properties once the designation has been confirmed or all appeals have been determined, whichever is the later.

2. Duration of the Designation Condition deleted

~~2.1 In accordance with Section 184(1)(c) and Section 184A(2)(c) of the Resource Management Act 1991, the designation will lapse on the expiry of ten years, except for NOR 8 which will lapse on the expiry of five years, after the date on which it is included in the District Plan unless:~~

~~2.2 It is given effect to before the end of that period; or~~

~~2.3 The territorial authority determines, on an application made not later than three months before the expiry of that period; that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made and fixes a longer period to five effect to the designation.~~

3. Project Management Plans (PMP) and Outline Plans

3.1 The requiring authority shall prepare a PMP which shall include mitigation/management plans as referred to in conditions 5, 6, 7, 8, 9, 10 and 11. 3.2.

No works shall be undertaken in any particular location(s) until:

- a. The PMP, or such part(s) of the PMP as are relevant to the location(s) are approved in the manner provided for in condition 3.3; and
- b. Any outline plan(s) required by section 176A of the Resource Management Act 1991 (*RMA*) in relation to the works in the location(s), are approved in the manner provided in condition 3.3. 3.3

Approvals pursuant to condition 3.2(a) shall be obtained from the General Manager of Environmental Services, ~~North Shore City~~ Auckland Council, and a senior regulatory officer of the NSSC Auckland Council who is at the time of the approval a member of the Project Governance Team for the management of the works (*the approval officers*).

Advice Note:

Where an outline plan or plans are required by section 176A RMA for works in any particular location(s) and the approval officers agree that the PMP or relevant part(s) of the PMP contains adequate details to satisfy section 176 RMA, then the Council may waive the requirement for an Outline Plan.

3.4 The works shall only be undertaken in accordance with an approved PMP and outline plan (where required).

3.5 If for any reason the PMP is not approved, the outline plan procedure under s 176A shall apply. For the avoidance of any doubt, the mitigation/management plans prepared under conditions 5, 6, 7, 8, 9, 10 and 11 shall be included with any outline plan lodged for approval pursuant to s 176A.

4. Archaeological Mitigation Conditions

4.1 If construction work uncovers any archaeological remains, the Requiring Authority will immediately advise local iwi and the New Zealand Historic Places Trust and cease working in the affected area until any necessary authority required by the New Zealand Historic Places Trust is obtained. (All archaeological sites are protected under the provisions of the Historic Places Act 1993, whereby it is unlawful to modify, damage or destroy an archaeological site, whether recorded or not, without prior consent of the Historic Places Trust).

4.2 That all recorded archaeological sites and other cultural heritage sites in the vicinity of the works shall be clearly marked on the construction plans.

4.3 Any significant native trees removed from Smiths bush as part of the works to construct the busway shall be offered as gifts to Te Hao o Ngati Whatua and/or Ngati Whatua o Orakei.

4.4 Preliminary earthworks in the vicinity of Onewa Road and Sylvan Ave realignment will be monitored by a suitably qualified and experienced archaeologist.

5. Ecological Mitigation Conditions

5.1 The PMP shall include an Ecological Mitigation Plan prepared by a suitably qualified and experienced ecologist who shall have regard to:

- i. The recommendations contained in the audit by Shona Myers – Natural Heritage Scientist, ARC as to planting and the implementation of mitigation measures;
- ii. The planting of appropriate plant species as identified in ARC Technical Publication 148: Riparian Zone Management: Strategy for the Auckland Region, June 2001.

5.2 The Plan shall provide for:

- i. Planting in riparian zones where consent of the landowner is obtained;
- ii. Mitigation of potential coastal effects.

5.3 Wherever practicable, any disturbance of existing vegetation shall be avoided.

5.4 Where riparian vegetation disturbance cannot be practicably avoided, the Requiring Authority shall take care that any necessary disturbance is minimised as far as practicable. For the avoidance of doubt, this condition is not intended to prohibit necessary disturbance, which is defined as including, but is not limited to, vegetation clearance, the construction and operation of all roads, depots, storage facilities and spoil disposal areas.

5.5 The PMP shall include a plan of the proposed works within the eastern remnant of Smiths Bush in sufficient detail to determine the impact on existing vegetation and the Requiring Authority shall undertake its best endeavours to minimise the removal of vegetation from Smiths Bush.

5.6 All works within the eastern remnant of Smiths Bush shall be supervised by a suitably qualified and experienced arboriculturist.

5.7 As a means of attempting to retain the overall ecological viability of Smiths Bush, any vegetation removed from the eastern remnant of the bush shall be replaced where

practicable in accordance with a native tree planting and maintenance regime approved under condition 3.3. and following consultation with appropriate staff at the Auckland Regional Council.

6. Landscape Mitigation Conditions

6.1 The PMP shall include a Landscape Mitigation Plan prepared by a suitably qualified and experienced landscape architect who shall have regard to:

- a. The Landscape Mitigation Plan prepared by LA4 Landscape Architects and contained in the Esmonde Interchange Project: Assessment of Environmental Effects Volume 10c; and
- b. The recommendations contained in the audits by Melean Absolum and Chris Boucher.

6.2 The Landscape Mitigation Plan shall provide for:

- a. The integration of the proposed works into the surrounding landscape;
- b. Appropriate consideration of the angle and extent of batter slopes;
- c. Appropriate screening of existing land-uses along Fred Thomas Drive;
- d. Design of borrow and disposal areas for excess fill to avoid significant visual impact, and to maximise integration with the general form of the surrounding landscape;
- e. Ecological mitigation measures (eg revegetation) required in accordance with the Ecological Mitigation Condition;
- f. Mitigation of effects on properties in the vicinity of the busway;
- g. Noise mitigation measures (eg noise barriers) required in accordance with the Noise Mitigation Conditions and the screening of such measures with planting between barriers and the busway carriageway;
- h. Detailed designs of the acoustic barriers, retaining walls, and earth bunds in conjunction with the engineers where necessary; and
- i. The identification of existing trees and vegetation sited on the boundary of the Busway designation that ought to be retained for screening purposes.

6.3 The Landscape Mitigation Plan shall include details of:

- j. All proposed planting (including species, species size, densities, areas and locations);
- k. The planting programme;
- l. The maintenance programme. This programme shall include details of weed control, performance standards specifying allowable percentage survival rates, and replacement of any planting features;
- m. The sufficiency of the soil medium to sustain all planting proposed; and
- n. An appropriate maintenance regime.

6.4 All landscape mitigation planting shall be implemented during the first planting season following completion of the project construction works providing climatic conditions are suitable, otherwise at the first practicable opportunity thereafter. Following completion of planting, the Requiring Authority shall submit to the ~~North Shore City~~ Auckland Council a report by the landscape architect on the implementation of the landscape plan.

6.5 Where practicable, any planting utilising native plants shall use plants genetically sourced from the ecological district.

6.6 Exposed cut and fill batters and slopes shall be re-vegetated as soon as practicable after construction.

7. Noise Mitigation Conditions

7.1 The project shall, as a minimum standard, be designed and constructed to comply with the limits within the Transit NZ Guidelines for the Management of Traffic Noise for State Highway Improvements and with the acoustic report 'North Shore Busway Project, SH1 busway, Report No 97245B' by Marshall Day Acoustic Limited.

7.2 The PMP shall include a Noise Mitigation Plan prepared by a suitably qualified noise consultant. The purpose of the plan is to describe the methods by which noise associated with traffic using the roading and the bus stations within the designation will be made to comply with specified noise limits at all affected dwellings and schools in the vicinity of the area affected. Where the ambient sound level is required to determine design limits then this shall be done prior to construction commencing.

7.3 The Requiring Authority shall ensure that all construction works are carried out in accordance with NZS 6803P:1984 "The Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work".

7.4 The PMP shall include a Construction Noise Management Plan. The purpose of the Plan is to describe the methods by which noise associated with the construction of the work will be managed to comply with condition 7.3 above. In particular, the Construction Noise Management Plan shall identify:

- a. The location of permanent acoustic fences to be installed prior to the commencement of the main construction works;
- b. Methods of managing noise;
- c. Noise monitoring methods, including details of methods, equipment, location and frequency;
- e. Contingency measures in the event of any incidence of non-compliance; and
- f. Procedures for handling noise complaints.

7.5 Where the requirements of condition 7.4 are unable to be met, the alternative strategies that have been developed following consultation with affected landowners will be implemented. Such alternatives may include, but not be limited to, temporary relocation of occupiers, compensation for occupiers and purchase of the affected properties.

7.6 Construction works shall at all times be undertaken in accordance with the Construction Noise Management Plan.

7.7 Where practicable, acoustic barriers required to meet Transit Noise Guidelines in particular locations, shall be erected prior to commencement of the construction works in those locations.

7.8 Where temporary acoustic barriers are proposed in the Marshall Day Report, and where their retention would result in effective traffic noise reduction for residents or educational facilities, they shall be built to a standard such that the barriers will be able to remain permanently in place at heights approved under condition 3.3, taking into consideration traffic noise reduction visual and landscaping factors and consultation with adjoining property owners.

7.9 Unless:

- a. Otherwise agreed between Ministry of Education (MOE) and the requiring authority; or
- b. MOE agrees to compensation with the Requiring Authority for the noise effects from the Busway and associated new works; where *additional* traffic noise resulting from the Busway or associated new works increases above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any classroom, then the requiring authority shall, immediately following commissioning of the Busway, implement mitigation measures which result in the noise level not *exceeding* 45 dBA Leq, or the ambient noise level *existing* prior to the establishment of the Busway, whichever is the higher. This noise level shall be achieved together with the ventilation requirements of The New Zealand Building Code, Clause C4.

8. Geotechnical Mitigation Condition

8.1 A Geotechnical Mitigation Plan shall be prepared by a suitably qualified Geotechnical Engineer in consultation with ~~North Shore City~~ Auckland Council. The plan shall be submitted to the ~~North Shore City~~ Auckland Council prior to construction of any stage and shall take into account the recommendations of the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues' – November 2001.

9. Vibration Mitigation Conditions

9.1 The PMP shall include a Vibration Mitigation Plan having regard to the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001'. This Mitigation plan shall include details of how the works will comply with the requirement of German Standards DIN4150 "Structural Vibration in Buildings – Effects on Structures" during construction and shall take into account the recommendations.

9.2 A dilapidation survey of 'at risk' buildings, as per the recommendations of the audit prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001', shall be undertaken prior to during and after completion of the construction works, provided the consent of any landowner and/or occupier can be obtained.

10. Traffic Mitigation Conditions

10.1 The PMP shall include a Traffic Mitigation Plan based on its adopted design for the project. The Traffic Mitigation Plan shall include:

- a. Methods of mitigating the local and network wide effects of both the construction of individual elements of the project 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 of helping to accommodate the bus transport needs of pupils of Westlake Girls' High School through the development and operation of Westlake Station and the busway system, in the light of consultation with the School;
- c. Methods of limiting the use of the busway to emergency vehicles and no more than 350HOVs (excluding buses) per hour north of Esmonde Road, including a restriction on the access of HOVs through Constellation Drive Station to no more than 350HOVs;
- d. Details of a monitoring programme to be undertaken detailing the demand for car parking in the vicinity of the Sunnynook Station and Westlake Station prior to the opening of the Station and at regular intervals (a minimum of 2 per annum) for a minimum period of five years following the opening of the Station to the public and measures to manage any such demand. (This condition shall only apply to Notices of Requirement 8 and 9); and
- e. Details of pedestrian access to be provided within the Westlake Bus Station and along Shakespeare Road Extension. (This condition shall apply only to Notice of Requirement 8).

10.2 In order to prevent potentially significant traffic disruption during and after construction, the existing Onewa Interchange shall continue to be fully operational (that is in the manner in which it currently operates) until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

10.3 The public use of the Westlake Station shall not be allowed until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

11. Construction Management Conditions

11.1 The PMP shall include a Construction Management Plan which shall refer to all conditions imposed on any relevant resource consents granted by the Auckland Regional Council.

11.2 The purpose of the Construction Management Plan is to set out methods by which any dust nuisance from construction will be avoided or minimised and by which the possibility of ground vibration during construction can be notified to adjacent land owners and occupiers. In particular, the Management Plan shall identify amongst other things:

- a. Specific methods by which dust will be managed, including cleaning vehicle tyres before vehicles enter public roads, wetting or covering surfaces and replanting disturbed areas;
- b. Contingency measures to ensure that, in the event of any dust nuisance arising, immediate remedial measures are implemented;
- c. Procedures for prior notification of the use of machinery likely to generate vibration effects beyond the area of the designation to properties where ground vibration may be felt;
- d. The means by which loss of vehicle access to be (sic) properties will minimise inconvenience to each property owner affected following consultation with affected property owners;
- e. Methods of ensuring pedestrian safety along public footpaths and particularly where works are proposed in close proximity to any school;
- f. Procedures for handling any dust and ground vibration complaints; and .

In respect of Takapuna Normal Intermediate School the Management Plan shall include measures to address the following, in consultation with the School:

- i. Preventing students from gaining access to the construction site via the parking area off Northcote road or Smiths bush by the erection of such gates or fencing as may be agreed to by the School and the Requiring Authority;
- ii. Control of construction traffic moving between the construction site and Northcote Road so as to encourage the safe movement of students along Northcote Road; and
- iii. Minimising any adverse effects of construction on the playing field, in particular, dust nuisance.

11.3 The Requiring Authority shall ensure that the Construction Management Plan is complied with at all times during construction and that a copy is kept at all site offices.

11.4 The Requiring Authority and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

11.5 The Requiring Authority shall advise neighbouring owners and occupiers in the vicinity of the affected area of the date on which construction is to start, the expected duration of the work, and the telephone number of Site Liaison Officer who is able to respond to queries.

11.6 The location and extent of each stage of the site works will be identified and the ~~North Shore City~~ Auckland Council advised of the construction timetable.

11.7 The earthworks contractor shall be required to maintain the stability of the land and property at the boundary of the site by the best practicable method and to monitor that such works are and remain effective.

11.8 Control measures shall be in place to ensure that any vehicles leaving the designated site do not deposit soil or other debris on public roads. Any such material deposited on any public road shall be cleaned up as soon as practicably possible at the Requiring Authority's expense.

11.9 Adequate provision shall be made during the earthworks construction for the protection of the existing public drains that traverse the designation. It is the Requiring Authority's responsibility to remedy any damages to the public drains that may occur during

construction.

11.10 Protected vegetation areas and trees identified in the Landscape Mitigation Plan are to be retained and protected. Other sensitive areas of the site are to be identified and marked for protection prior to the commencement of works.

11.11 Spoil from earthworks, surplus to site requirements, shall be disposed of at an approved landfill site.

12. Exmouth Road Pedestrian Overbridge

12.1 The Requiring Authority will use its best endeavours to obtain all necessary resource consents to allow reinstatement of the existing Exmouth Road pedestrian overbridge in the same or a similar location but extended to provide access across the bus lane to the foreshore. If such consents are granted the Requiring Authority shall reinstate the overbridge prior to the consents lapsing.

13. Westlake Boys High School

13.1 The School accessway, adjoining the western boundaries of the Altona road properties and connecting the northern and southern playing fields, shall be constructed with a minimum width of 4m and designed so that service vehicles and pedestrians can obtain safe and convenient access.

13.2 The western embankment adjoining the southern playing fields of the School shall be planted with *Alnus incana* and *Alnus rubra* at a size and spacing to be detailed within the Landscape Mitigation Plan.

13.3 The Requiring Authority shall use its best endeavours to undertake construction of the works in the area adjoining the northern playing fields during the School Summer holidays (approximately 10 December – 31 January the following year).

14. Westlake Girls High School

14.1 The Requiring Authority shall use its best endeavours to ensure that the pin oak trees along the western boundary of the School are retained.

14.2 The Requiring Authority shall use its best endeavours to undertake construction of the works along the School boundary during the School Summer holidays (approximately 10 December – 31 January the following year).

15. Takapuna Normal Intermediate School

15.1 A permanent 1.8 metre close boarded and battened wooden fence shall be erected along the western boundary of the school (as identified in the **attached** plan titled "Building Locations Takapuna Normal Intermediate School") prior to commencement of construction of the Busway.

15.2 Where the operation of the Busway results in increases in traffic noise above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any existing Takapuna Normal Intermediate School classroom with windows open (identified in the **attached** plan), then the requiring authority shall implement mitigation measures which result in the noise level not exceeding either 45 dBA Leq, or the ambient noise levels existing prior to the establishment of the Busway, whichever is higher. This noise level shall be achieved together with the ventilation requirements of the New Zealand Building Code, Clause G4 and New Zealand Standard 4303:1990 'Ventilation Requirements for acceptable indoor air quality' and in particular the requirements for educational institutions.

15.3 The Requiring Authority shall provide for:

- a. Replanting, or replacement where replanting is not practicable, of trees along the western boundary that are required to be removed for construction of the Busway; and
- b. Planting along the inside of the 1.8 metre fence (as described in condition 15.1) to mitigate the visual impact of the fence.

16. Smales Farm

16.1 The requiring authorities shall consult with a liaison person appointed by Shea Investments Limited and Betty Leila Holdings Limited in respect of:

- a. The detailed landscape plan to be prepared for the Busway in the vicinity of Smales Farm, for the purpose of ensuring that the landscaping for the Busway is integrated with the landscape development of Smales Farm; and
- b. That part of the Traffic Mitigation Plan that relates to Shakespeare Road Extension and Westlake Bus Station.

17. T D Jane, L J & M F Bilton & A S & S J Church

17.1 Subject to access being granted by the landowners of the properties legally described as Lot 127, DP 56740 (CT 9C/703), Lot 128, DP 56740 (CT C/104) and Lot 129, DP 56740 ("the properties"), the Requiring Authority will implement the landscaping plan prepared by LA4 Landscape Architects for the properties (titled "Proposed Planting to Mitigate Busway" **attached**) and any amendments to the planting shown on the plan as reasonably agreed between the landowners and the Requiring Authority. Failing agreement within 12 months of completion of construction of the fence, the Requiring Authority shall implement the LA4 landscaping plan (or its equivalent in value).

17.2 The Requiring Authority shall construct a fence on the properties' western boundaries prior to construction of the Project commencing adjacent to the landowners properties. The fence shall have the following specifications:

- a. To be located along the properties' western legal boundaries at 2 metres above ground level (as at 16 May 2003) at 7 and 10 Altona Road, and at 2 metres and rising to 2.5 metres above ground level at the northern end at 9 Altona road, for the full length of the boundaries of those properties;
- b. To be constructed of exterior grade (marine) plywood having a thickness of 17.5 mm or more;
- c. Plywood panels to be bolted to a framework so as to ensure no gaps or cracks and to meet the surface of the ground at their lower edge;
- d. Fence posts and framework to be specified by engineering design;
- e. ~~Transit-NZTA~~ shall construct gates in the fence if requested by the landowners of 7 and 9 Altona Road; and
- f. To be certified by an engineer as having a design life of 20 years (except that certification of the design life of the fence shall not apply to any gates requested to be constructed).

Advice note:

It is the Requiring Authority's intention to construct the fence as part of the enabling works during 2003 or by April 2004 at the latest.

17.3 Any construction activities exceeding the Construction Standard set out in condition 7.3 between chainage 13200 to 13000 shown on the designation plan "Harbour Bridge to Constellation Drive Designation Plans Westlake Boys High School, Drawing No. 7716C609" (the affected area") shall be undertaken between the hours of 8.00am – 6.00pm on weekdays only and shall exclude the two weeks following Christmas Eve. For the avoidance of any doubt, condition 7.5 relating to works exceeding the Construction Standard continues to apply to the landowners as affected parties.

17.4 The Requiring Authority shall undertake earthworks in the affected area in one stage.

17.5 The Requiring Authority shall consult with the landowners on the mitigation plans referred to in the conditions 5, 6, 7, 8, 9, 10 and 11 on the designation insofar as the mitigation plans affect the landowners' properties

18. Bateman Property

Stormwater

18.1 As part of the busway construction works, ~~Transit-NZTA~~ and NSCC Auckland Council shall provide the following measures to address stormwater effects:

- a. ~~Transit-NZTA~~ shall pipe the existing drain from chainage 15100 down to 14960 (see Figs 1a – 1c, **attached**);
- b. ~~Transit-NZTA~~ and NSCC Auckland Council shall widen by 4m the motorway side of the existing drain located on the eastern side of the motorway, from the level of the top of the present vertical concrete wall, from chainage 14960m to Sunnynook Road Culvert (as shown on the **attached** Figs 1a – 1c), such widening shall be at a grade as flat as possible from the existing concrete wall, consistent with efficient fall;
- c. NSCC Auckland Council shall use its best endeavours to reduce the volume of debris caught on the central wall of the Sunnynook Road Culvert by reshaping the leading edge of the central wall;
- e. ~~Transit-NZTA~~ and NSCC Auckland Council shall undertake the following measures to avoid slope instability and scour:
 - i. Provide a batter toe restraint retaining wall to buttress the lower position of the batter;
 - ii. Construct a gabion wall or timber pole wall to support the toe restraint retaining wall; and
 - iii. To undertake grass seedling over the four metre widening of the berm.

Advice Note:

It is recorded that Mr Bateman has agreed to provide access to ~~Transit-NZTA~~ and NSCC Auckland Council or their contractors to enable them to undertake any drainage improvement works required within or adjacent to the Bateman family property.

Noise

18.2 ~~Transit-NZTA~~ shall construct a concrete 0.8 metre high barrier between the Busway and the property in compliance with the letter from Marshall Day Acoustics Limited dated 18 December 2002 (**attached** as Appendix 1). The detailed design of this barrier is to be finalized as part of the busway detailed design.

18.3 ~~Transit-NZTA~~ shall construct a 0.8 metre high solid concrete New Jersey Barrier on top of the retaining wall between the motorway and the busway as also described in Appendix 1; the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.4 ~~Transit-NZTA~~ shall construct a 1.8 metre high barrier at the rear of the Sunnynook Station between the proposed bus shelter and the end of the platform to mitigate any reflection of noise from the northbound bus shelter, the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.5 ~~Transit-NZTA~~ agrees that any retaining wall to be constructed for the purposes of the Sunnynook Station shall be constructed from non-reflective materials to mitigate any potential noise effects.

Landscaping

18.6 ~~Transit-NZTA~~ shall undertake screen planting, consisting of native trees, shrubs and ground cover between Sunnynook Station, the busway and the property, as shown on the **attached** plan (titled "North Shore Busway Project: Amended Landscape Development for

Sunnynook Bus Station, Figure 2”) to provide effective screening. The planting, including the planting shown on the embankment between the busway and the motorway, will be undertaken as soon as practicable following the construction works and within the first planting season to provide effective screening.

18.7 The landscaping and planting provided for under clause 18.6 shall be planted at Pb28 grade so that the plants are approximately 1.5 metres high when planted.

18.8 All planting shall be tended and maintained to ensure the full establishment and effectiveness of the landscaping including replacement planting where necessary.

Attachments

No attachments.

Designation 1426

1426 Westlake Station

Designation Number	1426
Requiring Authority	Auckland Transport
Location	Shakespeare Road (adjoins 78 Taharoto Road), Takapuna
Rollover Designation	Yes
Legacy Reference	Designation 175, Auckland Council District Plan (North Shore Section) 2002
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

Westlake Station - for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles.

Conditions

The conditions below apply:

1. General Conditions
2. Duration Of Designation
3. PMP and Outline Plans
4. Archaeological Mitigation Conditions (other than 4.3 and 4.4)
5. Ecological Mitigation Conditions (other than 5.5, 5.6 and 5.7)
6. Landscape Mitigation Conditions
7. Noise Mitigation Conditions
8. Geotechnical Mitigation Conditions
9. Vibration Mitigation Conditions
10. Traffic Mitigation Conditions except that:
 - Condition 10.2 shall not apply
 - Condition 10.1(ii) applies only to Notice 8 – Westlake
 - Condition 10.1(iv) applies only to Notices 8 and 9 – Westlake and Sunnynook
 - Condition 10.1(v) applies only to Notice 8 – Westlake
 - Condition 10.3 applies only to Notice 8 – Westlake
11. Construction Management Conditions
14. Westlake Girls High School applies only to Notice 8 – Westlake
18. Bateman: Stormwater Conditions applies only to Notice 9 – Sunnynook (other than Condition 18.1(i)).

1. General Conditions

1.1 The scope and extent of the works envisaged within the designation shall be generally in accordance with the Notices of Requirement, the plans contained in “Volume 3 – A3 Plans” forming part of the documentation supporting the Notice of Requirement, and the relevant detailed plans in the Technical Reports in Volume 5, subject to the final design and the conditions set out below.

1.2 Prior to any works being commenced in particular location(s) of work, the Requiring

Authority shall obtain all requisite resource consents for the location(s) affected under the Resource Management Act 1991.

1.3 Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.

1.4 At all times reasonable vehicular access shall be maintained to private properties not directly affected by construction and/or operation in the area affected. Where private properties are directly affected by construction and/or operations causing vehicular access to be temporarily prevented and no alternative can be utilised, the Requiring Authority shall ensure that the property owner is consulted with respect to the most suitable time for carrying out the work and the Requiring Authority shall minimise the period during which vehicular access is prevented.

1.5 A permanent liaison position from within the joint Project Governance Team of NSCG Auckland Council and the Requiring Authority will be appointed for the duration of the project. This person is to be available for ongoing consultation on all matters of concern to affected persons.

1.6 All contract documentation for physical works shall include reference to the designation conditions, any other resource consents (including conditions) and any approved mitigation or outline plan(s) held for the project.

1.7 Where requested by the owners, the Requiring Authority shall physically peg out the extent of the alignment in individually affected properties once the designation has been confirmed or all appeals have been determined, whichever is the later.

2. Duration of the Designation ~~Condition deleted~~

~~2.1 In accordance with Section 184(1)(c) and Section 184A(2)(c) of the Resource Management Act 1991, the designation will lapse on the expiry of ten years, except for NOR 8 which will lapse on the expiry of five years, after the date on which it is included in the District Plan unless:~~

~~2.2 It is given effect to before the end of that period; or~~

~~2.3 The territorial authority determines, on an application made not later than three months before the expiry of that period; that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made and fixes a longer period to five effect to the designation.~~

3. Project Management Plans (PMP) and Outline Plans

3.1 The requiring authority shall prepare a PMP which shall include mitigation/management plans as referred to in conditions 5, 6, 7, 8, 9, 10 and 11. 3.2.

No works shall be undertaken in any particular location(s) until:

- a. The PMP, or such part(s) of the PMP as are relevant to the location(s) are approved in the manner provided for in condition 3.3; and
- b. Any outline plan(s) required by section 176A of the Resource Management Act 1991 (RMA) in relation to the works in the location(s), are approved in the manner provided in condition 3.3. 3.3

Approvals pursuant to condition 3.2(a) shall be obtained from the General Manager of Environmental Services, ~~North Shore City~~ Auckland Council, and a senior regulatory officer of the NSCG Auckland Council who is at the time of the approval a member of the Project

Governance Team for the management of the works (*the approval officers*).

Advice Note:

Where an outline plan or plans are required by section 176A RMA for works in any particular location(s) and the approval officers agree that the PMP or relevant part(s) of the PMP contains adequate details to satisfy section 176 RMA, then the Council may waive the requirement for an Outline Plan.

3.4 The works shall only be undertaken in accordance with an approved PMP and outline plan (where required).

3.5 If for any reason the PMP is not approved, the outline plan procedure under s 176A shall apply. For the avoidance of any doubt, the mitigation/management plans prepared under conditions 5, 6, 7, 8, 9, 10 and 11 shall be included with any outline plan lodged for approval pursuant to s 176A.

4. Archaeological Mitigation Conditions

4.1 If construction work uncovers any archaeological remains, the Requiring Authority will immediately advise local iwi and the New Zealand Historic Places Trust and cease working in the affected area until any necessary authority required by the New Zealand Historic Places Trust is obtained. (All archaeological sites are protected under the provisions of the Historic Places Act 1993, whereby it is unlawful to modify, damage or destroy an archaeological site, whether recorded or not, without prior consent of the Historic Places Trust).

4.2 That all recorded archaeological sites and other cultural heritage sites in the vicinity of the works shall be clearly marked on the construction plans.

4.3 Any significant native trees removed from Smiths bush as part of the works to construct the busway shall be offered as gifts to Te Hao o Ngati Whatua and/or Ngati Whatua o Orakei.

4.4 Preliminary earthworks in the vicinity of Onewa Road and Sylvan Ave realignment will be monitored by a suitably qualified and experienced archaeologist.

5. Ecological Mitigation Conditions

5.1 The PMP shall include an Ecological Mitigation Plan prepared by a suitably qualified and experienced ecologist who shall have regard to:

- i. The recommendations contained in the audit by Shona Myers – Natural Heritage Scientist, ARC as to planting and the implementation of mitigation measures;
- ii. The planting of appropriate plant species as identified in ARC Technical Publication 148: Riparian Zone Management: Strategy for the Auckland Region, June 2001.

5.2 The Plan shall provide for:

- i. Planting in riparian zones where consent of the landowner is obtained;
- ii. Mitigation of potential coastal effects.

5.3 Wherever practicable, any disturbance of existing vegetation shall be avoided.

5.4 Where riparian vegetation disturbance cannot be practicably avoided, the Requiring Authority shall take care that any necessary disturbance is minimised as far as practicable. For the avoidance of doubt, this condition is not intended to prohibit necessary disturbance, which is defined as including, but is not limited to, vegetation clearance, the construction and operation of all roads, depots, storage facilities and spoil disposal areas.

5.5 The PMP shall include a plan of the proposed works within the eastern remnant of Smiths Bush in sufficient detail to determine the impact on existing vegetation and the Requiring Authority shall undertake its best endeavours to minimise the removal of vegetation from Smiths Bush.

5.6 All works within the eastern remnant of Smiths Bush shall be supervised by a suitably qualified and experienced arboriculturist.

5.7 As a means of attempting to retain the overall ecological viability of Smiths Bush, any vegetation removed from the eastern remnant of the bush shall be replaced where practicable in accordance with a native tree planting and maintenance regime approved under condition 3.3. and following consultation with appropriate staff at the Auckland Regional Council.

6. Landscape Mitigation Conditions

6.1 The PMP shall include a Landscape Mitigation Plan prepared by a suitably qualified and experienced landscape architect who shall have regard to:

- a. The Landscape Mitigation Plan prepared by LA4 Landscape Architects and contained in the Esmonde Interchange Project: Assessment of Environmental Effects Volume 10c; and
- b. The recommendations contained in the audits by Melean Absolum and Chris Boucher.

6.2 The Landscape Mitigation Plan shall provide for:

- a. The integration of the proposed works into the surrounding landscape;
- b. Appropriate consideration of the angle and extent of batter slopes;
- c. Appropriate screening of existing land-uses along Fred Thomas Drive;
- d. Design of borrow and disposal areas for excess fill to avoid significant visual impact, and to maximise integration with the general form of the surrounding landscape;
- e. Ecological mitigation measures (eg revegetation) required in accordance with the Ecological Mitigation Condition;
- f. Mitigation of effects on properties in the vicinity of the busway;
- g. Noise mitigation measures (eg noise barriers) required in accordance with the Noise Mitigation Conditions and the screening of such measures with planting between barriers and the busway carriageway;
- h. Detailed designs of the acoustic barriers, retaining walls, and earth bunds in conjunction with the engineers where necessary; and
- i. The identification of existing trees and vegetation sited on the boundary of the Busway designation that ought to be retained for screening purposes.

6.3 The Landscape Mitigation Plan shall include details of:

- j. All proposed planting (including species, species size, densities, areas and locations);
- k. The planting programme;
- l. The maintenance programme. This programme shall include details of weed control, performance standards specifying allowable percentage survival rates, and replacement of any planting features;
- m. The sufficiency of the soil medium to sustain all planting proposed; and
- n. An appropriate maintenance regime.

6.4 All landscape mitigation planting shall be implemented during the first planting season following completion of the project construction works providing climatic conditions are suitable, otherwise at the first practicable opportunity thereafter. Following completion of planting, the Requiring Authority shall submit to the ~~North Shore City~~ Auckland Council a report by the landscape architect on the implementation of the landscape plan.

6.5 Where practicable, any planting utilising native plants shall use plants genetically sourced from the ecological district.

6.6 Exposed cut and fill batters and slopes shall be re-vegetated as soon as practicable after construction.

7. Noise Mitigation Conditions

7.1 The project shall, as a minimum standard, be designed and constructed to comply with the limits within the ~~Transit-NZ~~ NZTA Guidelines for the Management of Traffic Noise for State Highway Improvements and with the acoustic report 'North Shore Busway Project, SH1 busway, Report No 97245B' by Marshall Day Acoustic Limited.

7.2 The PMP shall include a Noise Mitigation Plan prepared by a suitably qualified noise consultant. The purpose of the plan is to describe the methods by which noise associated with traffic using the roading and the bus stations within the designation will be made to comply with specified noise limits at all affected dwellings and schools in the vicinity of the area affected. Where the ambient sound level is required to determine design limits then this shall be done prior to construction commencing.

7.3 The Requiring Authority shall ensure that all construction works are carried out in accordance with NZS 6803P:1984 "The Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work".

7.4 The PMP shall include a Construction Noise Management Plan. The purpose of the Plan is to describe the methods by which noise associated with the construction of the work will be managed to comply with condition 7.3 above. In particular, the Construction Noise Management Plan shall identify:

- a. The location of permanent acoustic fences to be installed prior to the commencement of the main construction works;
- b. Methods of managing noise;
- c. Noise monitoring methods, including details of methods, equipment, location and frequency;
- e. Contingency measures in the event of any incidence of non-compliance; and
- f. Procedures for handling noise complaints.

7.5 Where the requirements of condition 7.4 are unable to be met, the alternative strategies that have been developed following consultation with affected landowners will be implemented. Such alternatives may include, but not be limited to, temporary relocation of occupiers, compensation for occupiers and purchase of the affected properties.

7.6 Construction works shall at all times be undertaken in accordance with the Construction Noise Management Plan.

7.7 Where practicable, acoustic barriers required to meet ~~Transit-NZTA~~ NZTA Noise Guidelines in particular locations, shall be erected prior to commencement of the construction works in those locations.

7.8 Where temporary acoustic barriers are proposed in the Marshall Day Report, and where their retention would result in effective traffic noise reduction for residents or educational facilities, they shall be built to a standard such that the barriers will be able to remain permanently in place at heights approved under condition 3.3, taking into consideration traffic noise reduction visual and landscaping factors and consultation with adjoining property owners.

7.9 Unless:

- a. Otherwise agreed between Ministry of Education (MOE) and the requiring authority; or
- b. MOE agrees to compensation with the Requiring Authority for the noise effects from the Busway and associated new works; where *additional* traffic noise resulting from the Busway or associated new works increases above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any classroom, then the requiring authority shall, immediately following commissioning of the Busway, implement mitigation measures which result in the noise level not *exceeding* 45 dBA Leq, or the ambient noise level *existing* prior to the establishment of the Busway, whichever is the higher. This noise level shall be achieved together with the ventilation requirements of The New Zealand Building Code, Clause C4.

8. Geotechnical Mitigation Condition

8.1 A Geotechnical Mitigation Plan shall be prepared by a suitably qualified Geotechnical Engineer in consultation with ~~North Shore City~~ Auckland Council. The plan shall be submitted to the ~~North Shore City~~ Auckland Council prior to construction of any stage and shall take into account the recommendations of the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues' – November 2001.

9. Vibration Mitigation Conditions

9.1 The PMP shall include a Vibration Mitigation Plan having regard to the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001'. This Mitigation plan shall include details of how the works will comply with the requirement of German Standards DIN4150 "Structural Vibration in Buildings – Effects on Structures" during construction and shall take into account the recommendations.

9.2 A dilapidation survey of 'at risk' buildings, as per the recommendations of the audit prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001', shall be undertaken prior to during and after completion of the construction works, provided the consent of any landowner and/or occupier can be obtained.

10. Traffic Mitigation Conditions

10.1 The PMP shall include a Traffic Mitigation Plan based on its adopted design for the project. The Traffic Mitigation Plan shall include:

- a. Methods of mitigating the local and network wide effects of both the construction of individual elements of the project 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 of helping to accommodate the bus transport needs of pupils of Westlake Girls' High School through the development and operation of Westlake Station and the busway system, in the light of consultation with the School;
- c. Methods of limiting the use of the busway to emergency vehicles and no more than 350HOVs (excluding buses) per hour north of Esmonde Road, including a restriction on the access of HOVs through Constellation Drive Station to no more than 350HOVs;
- d. Details of a monitoring programme to be undertaken detailing the demand for car parking in the vicinity of the Sunnynook Station and Westlake Station prior to the opening of the Station and at regular intervals (a minimum of 2 per annum) for a minimum period of five years following the opening of the Station to the public and measures to manage any such demand. (This condition shall only apply to Notices of Requirement 8 and 9); and
- e. Details of pedestrian access to be provided within the Westlake Bus Station and along Shakespeare Road Extension. (This condition shall apply only to Notice of Requirement 8).

10.2 In order to prevent potentially significant traffic disruption during and after construction, the existing Onewa Interchange shall continue to be fully operational (that is in the manner in

which it currently operates) until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

10.3 The public use of the Westlake Station shall not be allowed until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

11. Construction Management Conditions

11.1 The PMP shall include a Construction Management Plan which shall refer to all conditions imposed on any relevant resource consents granted by the Auckland Regional Council.

11.2 The purpose of the Construction Management Plan is to set out methods by which any dust nuisance from construction will be avoided or minimised and by which the possibility of ground vibration during construction can be notified to adjacent land owners and occupiers. In particular, the Management Plan shall identify amongst other things:

- a. Specific methods by which dust will be managed, including cleaning vehicle tyres before vehicles enter public roads, wetting or covering surfaces and replanting disturbed areas;
- b. Contingency measures to ensure that, in the event of any dust nuisance arising, immediate remedial measures are implemented;
- c. Procedures for prior notification of the use of machinery likely to generate vibration effects beyond the area of the designation to properties where ground vibration may be felt;
- d. The means by which loss of vehicle access to be (sic) properties will minimise inconvenience to each property owner affected following consultation with affected property owners;
- e. Methods of ensuring pedestrian safety along public footpaths and particularly where works are proposed in close proximity to any school;
- f. Procedures for handling any dust and ground vibration complaints; and

In respect of Takapuna Normal Intermediate School the Management Plan shall include measures to address the following, in consultation with the School:

- i. Preventing students from gaining access to the construction site via the parking area off Northcote road or Smiths bush by the erection of such gates or fencing as may be agreed to by the School and the Requiring Authority;
- ii. Control of construction traffic moving between the construction site and Northcote Road so as to encourage the safe movement of students along Northcote Road; and
- iii. Minimising any adverse effects of construction on the playing field, in particular, dust nuisance.

11.3 The Requiring Authority shall ensure that the Construction Management Plan is complied with at all times during construction and that a copy is kept at all site offices.

11.4 The Requiring Authority and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

11.5 The Requiring Authority shall advise neighbouring owners and occupiers in the vicinity of the affected area of the date on which construction is to start, the expected duration of the work, and the telephone number of Site Liaison Officer who is able to respond to queries.

11.6 The location and extent of each stage of the site works will be identified and the ~~North Shore City~~ Auckland Council advised of the construction timetable.

11.7 The earthworks contractor shall be required to maintain the stability of the land and

property at the boundary of the site by the best practicable method and to monitor that such works are and remain effective.

11.8 Control measures shall be in place to ensure that any vehicles leaving the designated site do not deposit soil or other debris on public roads. Any such material deposited on any public road shall be cleaned up as soon as practicably possible at the Requiring Authority's expense.

11.9 Adequate provision shall be made during the earthworks construction for the protection of the existing public drains that traverse the designation. It is the Requiring Authority's responsibility to remedy any damages to the public drains that may occur during construction.

11.10 Protected vegetation areas and trees identified in the Landscape Mitigation Plan are to be retained and protected. Other sensitive areas of the site are to be identified and marked for protection prior to the commencement of works.

11.11 Spoil from earthworks, surplus to site requirements, shall be disposed of at an approved landfill site.

12. Exmouth Road Pedestrian Overbridge

12.1 The Requiring Authority will use its best endeavours to obtain all necessary resource consents to allow reinstatement of the existing Exmouth Road pedestrian overbridge in the same or a similar location but extended to provide access across the bus lane to the foreshore. If such consents are granted the Requiring Authority shall reinstate the overbridge prior to the consents lapsing.

13. Westlake Boys High School

13.1 The School accessway, adjoining the western boundaries of the Altona road properties and connecting the northern and southern playing fields, shall be constructed with a minimum width of 4m and designed so that service vehicles and pedestrians can obtain safe and convenient access.

13.2 The western embankment adjoining the southern playing fields of the School shall be planted with *Alnus incana* and *Alnus rubra* at a size and spacing to be detailed within the Landscape Mitigation Plan.

13.3 The Requiring Authority shall use its best endeavours to undertake construction of the works in the area adjoining the northern playing fields during the School Summer holidays (approximately 10 December – 31 January the following year).

14. Westlake Girls High School

14.1 The Requiring Authority shall use its best endeavours to ensure that the pin oak trees along the western boundary of the School are retained.

14.2 The Requiring Authority shall use its best endeavours to undertake construction of the works along the School boundary during the School Summer holidays (approximately 10 December – 31 January the following year).

15. Takapuna Normal Intermediate School

15.1 A permanent 1.8 metre close boarded and battened wooden fence shall be erected along the western boundary of the school (as identified in the **attached** plan titled "Building Locations Takapuna Normal Intermediate School") prior to commencement of construction of the Busway.

15.2 Where the operation of the Busway results in increases in traffic noise above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any existing Takapuna Normal Intermediate School classroom with windows open (identified in the **attached** plan), then the requiring authority shall implement mitigation measures which result in the noise level not exceeding either 45 dBA Leq, or the ambient noise levels existing prior to the establishment of the Busway, whichever is higher. This noise level shall be achieved together with the ventilation requirements of the New Zealand Building Code, Clause G4 and New Zealand Standard 4303:1990 'Ventilation Requirements for acceptable indoor air quality' and in particular the requirements for educational institutions.

15.3 The Requiring Authority shall provide for:

- a. Replanting, or replacement where replanting is not practicable, of trees along the western boundary that are required to be removed for construction of the Busway; and
- b. Planting along the inside of the 1.8 metre fence (as described in condition 15.1) to mitigate the visual impact of the fence.

16. Smales Farm

16.1 The requiring authorities shall consult with a liaison person appointed by Shea Investments Limited and Betty Leila Holdings Limited in respect of:

- a. The detailed landscape plan to be prepared for the Busway in the vicinity of Smales Farm, for the purpose of ensuring that the landscaping for the Busway is integrated with the landscape development of Smales Farm; and
- b. That part of the Traffic Mitigation Plan that relates to Shakespeare Road Extension and Westlake Bus Station.

17. T D Jane, L J & M F Bilton & A S & S J Church

17.1 Subject to access being granted by the landowners of the properties legally described as Lot 127, DP 56740 (CT 9C/703), Lot 128, DP 56740 (CT C/104) and Lot 129, DP 56740 ("the properties"), the Requiring Authority will implement the landscaping plan prepared by LA4 Landscape Architects for the properties (titled "Proposed Planting to Mitigate Busway" **attached**) and any amendments to the planting shown on the plan as reasonably agreed between the landowners and the Requiring Authority. Failing agreement within 12 months of completion of construction of the fence, the Requiring Authority shall implement the LA4 landscaping plan (or its equivalent in value).

17.2 The Requiring Authority shall construct a fence on the properties' western boundaries prior to construction of the Project commencing adjacent to the landowners properties. The fence shall have the following specifications:

- a. To be located along the properties' western legal boundaries at 2 metres above ground level (as at 16 May 2003) at 7 and 10 Altona Road, and at 2 metres and rising to 2.5 metres above ground level at the northern end at 9 Altona road, for the full length of the boundaries of those properties;
- b. To be constructed of exterior grade (marine) plywood having a thickness of 17.5 mm or more;
- c. Plywood panels to be bolted to a framework so as to ensure no gaps or cracks and to meet the surface of the ground at their lower edge;
- d. Fence posts and framework to be specified by engineering design;
- e. ~~Transit~~ NZTA shall construct gates in the fence if requested by the landowners of 7 and 9 Altona Road; and
- f. To be certified by an engineer as having a design life of 20 years (except that certification of the design life of the fence shall not apply to any gates requested to be constructed).

Advice note:

It is the Requiring Authority's intention to construct the fence as part of the enabling works during 2003 or by April 2004 at the latest.

17.3 Any construction activities exceeding the Construction Standard set out in condition 7.3 between chainage 13200 to 13000 shown on the designation plan "Harbour Bridge to Constellation Drive Designation Plans Westlake Boys High School, Drawing No. 7716C609" (the affected area") shall be undertaken between the hours of 8.00am – 6.00pm on weekdays only and shall exclude the two weeks following Christmas Eve. For the avoidance of any doubt, condition 7.5 relating to works exceeding the Construction Standard continues to apply to the landowners as affected parties.

17.4 The Requiring Authority shall undertake earthworks in the affected area in one stage.

17.5 The Requiring Authority shall consult with the landowners on the mitigation plans referred to in the conditions 5, 6, 7, 8, 9, 10 and 11 on the designation insofar as the mitigation plans affect the landowners' properties

18. Bateman Property

Stormwater

18.1 As part of the busway construction works, Transit NZTA and NSCC Auckland Council shall provide the following measures to address stormwater effects:

- a. Transit NZTA shall pipe the existing drain from chainage 15100 down to 14960 (see Figs 1a – 1c, **attached**);
- b. Transit NZTA and NSCC Auckland Council shall widen by 4m the motorway side of the existing drain located on the eastern side of the motorway, from the level of the top of the present vertical concrete wall, from chainage 14960m to Sunnynook Road Culvert (as shown on the **attached** Figs 1a – 1c), such widening shall be at a grade as flat as possible from the existing concrete wall, consistent with efficient fall;
- c. NSCC Auckland Council shall use its best endeavours to reduce the volume of debris caught on the central wall of the Sunnynook Road Culvert by reshaping the leading edge of the central wall;
- e. Transit NZTA and NSCC Auckland Council shall undertake the following measures to avoid slope instability and scour:
 - i. Provide a batter toe restraint retaining wall to buttress the lower position of the batter;
 - ii. Construct a gabion wall or timber pole wall to support the toe restraint retaining wall; and
 - iii. To undertake grass seedling over the four metre widening of the berm.

Advice Note:

It is recorded that Mr Bateman has agreed to provide access to Transit NZTA and NSCC Auckland Council or their contractors to enable them to undertake any drainage improvement works required within or adjacent to the Bateman family property.

Noise

18.2 Transit NZTA shall construct a concrete 0.8 metre high barrier between the Busway and the property in compliance with the letter from Marshall Day Acoustics Limited dated 18 December 2002 (**attached** as Appendix 1). The detailed design of this barrier is to be finalized as part of the busway detailed design.

18.3 Transit NZTA shall construct a 0.8 metre high solid concrete New Jersey Barrier on top of the retaining wall between the motorway and the busway as also described in Appendix 1; the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.4 Transit NZTA shall construct a 1.8 metre high barrier at the rear of the Sunnynook Station between the proposed bus shelter and the end of the platform to mitigate any

reflection of noise from the northbound bus shelter, the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.5 ~~Transit~~ NZTA agrees that any retaining wall to be constructed for the purposes of the Sunnynook Station shall be constructed from non-reflective materials to mitigate any potential noise effects.

Landscaping

18.6 ~~Transit~~ NZTA shall undertake screen planting, consisting of native trees, shrubs and ground cover between Sunnynook Station, the busway and the property, as shown on the **attached** plan (titled "North Shore Busway Project: Amended Landscape Development for Sunnynook Bus Station, Figure 2") to provide effective screening. The planting, including the planting shown on the embankment between the busway and the motorway, will be undertaken as soon as practicable following the construction works and within the first planting season to provide effective screening.

18.7 The landscaping and planting provided for under clause 18.6 shall be planted at Pb28 grade so that the plants are approximately 1.5 metres high when planted.

18.8 All planting shall be tended and maintained to ensure the full establishment and effectiveness of the landscaping including replacement planting where necessary.

Attachments

No attachments.

Designation 1427

1427 Sunnynook Station

Designation Number	1427
Requiring Authority	Auckland Transport
Location	168Z Sunnynook Road, Sunnynook
Rollover Designation	Yes
Legacy Reference	Designation 176, Auckland Council District Plan (North Shore Section) 2002
Lapse Date	Given effect to (i.e. no lapse date)

Purpose

Sunnynook Station - for the construction, operation and maintenance of roads, buildings, facilities and amenities (including any ancillary structures, works, or activities) for the purpose of providing a rapid transit facility for buses and high occupancy vehicles.

Conditions

The conditions below apply:

1. General Conditions
2. Duration Of Designation
3. PMP and Outline Plans
4. Archaeological Mitigation Conditions (other than 4.3 and 4.4)
5. Ecological Mitigation Conditions (other than 5.5, 5.6 and 5.7)
6. Landscape Mitigation Conditions
7. Noise Mitigation Conditions
8. Geotechnical Mitigation Conditions
9. Vibration Mitigation Conditions
10. Traffic Mitigation Conditions except that:
 - Condition 10.2 shall not apply
 - Condition 10.1(ii) applies only to Notice 8 – Westlake
 - Condition 10.1(iv) applies only to Notices 8 and 9 – Westlake and Sunnynook
 - Condition 10.1(v) applies only to Notice 8 – Westlake
 - Condition 10.3 applies only to Notice 8 – Westlake
11. Construction Management Conditions
14. Westlake Girls High School applies only to Notice 8 – Westlake
18. Bateman: Stormwater Conditions applies only to Notice 9 – Sunnynook (other than Condition 18.1(i)).

1. General Conditions

1.1 The scope and extent of the works envisaged within the designation shall be generally in accordance with the Notices of Requirement, the plans contained in "Volume 3 – A3 Plans" forming part of the documentation supporting the Notice of Requirement, and the relevant detailed plans in the Technical Reports in Volume 5, subject to the final design and the conditions set out below.

1.2 Prior to any works being commenced in particular location(s) of work, the Requiring

Authority shall obtain all requisite resource consents for the location(s) affected under the Resource Management Act 1991.

1.3 Any land taken or held for the works shall be maintained to a reasonable standard until physical works commence.

1.4 At all times reasonable vehicular access shall be maintained to private properties not directly affected by construction and/or operation in the area affected. Where private properties are directly affected by construction and/or operations causing vehicular access to be temporarily prevented and no alternative can be utilised, the Requiring Authority shall ensure that the property owner is consulted with respect to the most suitable time for carrying out the work and the Requiring Authority shall minimise the period during which vehicular access is prevented.

1.5 A permanent liaison position from within the joint Project Governance Team of NSCG Auckland Council and the Requiring Authority will be appointed for the duration of the project. This person is to be available for ongoing consultation on all matters of concern to affected persons.

1.6 All contract documentation for physical works shall include reference to the designation conditions, any other resource consents (including conditions) and any approved mitigation or outline plan(s) held for the project.

1.7 Where requested by the owners, the Requiring Authority shall physically peg out the extent of the alignment in individually affected properties once the designation has been confirmed or all appeals have been determined, whichever is the later.

2. Duration of the Designation ~~Condition deleted~~

~~2.1 In accordance with Section 184(1)(c) and Section 184A(2)(c) of the Resource Management Act 1991, the designation will lapse on the expiry of ten years, except for NOR 8 which will lapse on the expiry of five years, after the date on which it is included in the District Plan unless:~~

~~2.2 It is given effect to before the end of that period; or~~

~~2.3 The territorial authority determines, on an application made not later than three months before the expiry of that period; that substantial progress or effort has been made towards giving effect to the designation and is continuing to be made and fixes a longer period to five effect to the designation.~~

3. Project Management Plans (PMP) and Outline Plans

3.1 The requiring authority shall prepare a PMP which shall include mitigation/management plans as referred to in conditions 5, 6, 7, 8, 9, 10 and 11. 3.2.

No works shall be undertaken in any particular location(s) until:

- a. The PMP, or such part(s) of the PMP as are relevant to the location(s) are approved in the manner provided for in condition 3.3; and
- b. Any outline plan(s) required by section 176A of the Resource Management Act 1991 (RMA) in relation to the works in the location(s), are approved in the manner provided in condition 3.3. 3.3

Approvals pursuant to condition 3.2(a) shall be obtained from the General Manager of Environmental Services, ~~North Shore City~~ Auckland Council, and a senior regulatory officer of the NSCG Auckland Council who is at the time of the approval a member of the Project

Governance Team for the management of the works (*the approval officers*).

Advice Note:

Where an outline plan or plans are required by section 176A RMA for works in any particular location(s) and the approval officers agree that the PMP or relevant part(s) of the PMP contains adequate details to satisfy section 176 RMA, then the Council may waive the requirement for an Outline Plan.

3.4 The works shall only be undertaken in accordance with an approved PMP and outline plan (where required).

3.5 If for any reason the PMP is not approved, the outline plan procedure under s 176A shall apply. For the avoidance of any doubt, the mitigation/management plans prepared under conditions 5, 6, 7, 8, 9, 10 and 11 shall be included with any outline plan lodged for approval pursuant to s 176A.

4. Archaeological Mitigation Conditions

4.1 If construction work uncovers any archaeological remains, the Requiring Authority will immediately advise local iwi and the New Zealand Historic Places Trust and cease working in the affected area until any necessary authority required by the New Zealand Historic Places Trust is obtained. (All archaeological sites are protected under the provisions of the Historic Places Act 1993, whereby it is unlawful to modify, damage or destroy an archaeological site, whether recorded or not, without prior consent of the Historic Places Trust).

4.2 That all recorded archaeological sites and other cultural heritage sites in the vicinity of the works shall be clearly marked on the construction plans.

4.3 Any significant native trees removed from Smiths bush as part of the works to construct the busway shall be offered as gifts to Te Hao o Ngati Whatua and/or Ngati Whatua o Orakei.

4.4 Preliminary earthworks in the vicinity of Onewa Road and Sylvan Ave realignment will be monitored by a suitably qualified and experienced archaeologist.

5. Ecological Mitigation Conditions

5.1 The PMP shall include an Ecological Mitigation Plan prepared by a suitably qualified and experienced ecologist who shall have regard to:

- i. The recommendations contained in the audit by Shona Myers – Natural Heritage Scientist, ARC as to planting and the implementation of mitigation measures;
- ii. The planting of appropriate plant species as identified in ARC Technical Publication 148: Riparian Zone Management: Strategy for the Auckland Region, June 2001.

5.2 The Plan shall provide for:

- i. Planting in riparian zones where consent of the landowner is obtained;
- ii. Mitigation of potential coastal effects.

5.3 Wherever practicable, any disturbance of existing vegetation shall be avoided.

5.4 Where riparian vegetation disturbance cannot be practicably avoided, the Requiring Authority shall take care that any necessary disturbance is minimised as far as practicable. For the avoidance of doubt, this condition is not intended to prohibit necessary disturbance, which is defined as including, but is not limited to, vegetation clearance, the construction and operation of all roads, depots, storage facilities and spoil disposal areas.

5.5 The PMP shall include a plan of the proposed works within the eastern remnant of Smiths Bush in sufficient detail to determine the impact on existing vegetation and the Requiring Authority shall undertake its best endeavours to minimise the removal of vegetation from Smiths Bush.

5.6 All works within the eastern remnant of Smiths Bush shall be supervised by a suitably qualified and experienced arboriculturist.

5.7 As a means of attempting to retain the overall ecological viability of Smiths Bush, any vegetation removed from the eastern remnant of the bush shall be replaced where practicable in accordance with a native tree planting and maintenance regime approved under condition 3.3. and following consultation with appropriate staff at the Auckland Regional Council.

6. Landscape Mitigation Conditions

6.1 The PMP shall include a Landscape Mitigation Plan prepared by a suitably qualified and experienced landscape architect who shall have regard to:

- a. The Landscape Mitigation Plan prepared by LA4 Landscape Architects and contained in the Esmonde Interchange Project: Assessment of Environmental Effects Volume 10c; and
- b. The recommendations contained in the audits by Melean Absolum and Chris Boucher.

6.2 The Landscape Mitigation Plan shall provide for:

- a. The integration of the proposed works into the surrounding landscape;
- b. Appropriate consideration of the angle and extent of batter slopes;
- c. Appropriate screening of existing land-uses along Fred Thomas Drive;
- d. Design of borrow and disposal areas for excess fill to avoid significant visual impact, and to maximise integration with the general form of the surrounding landscape;
- e. Ecological mitigation measures (eg revegetation) required in accordance with the Ecological Mitigation Condition;
- f. Mitigation of effects on properties in the vicinity of the busway;
- g. Noise mitigation measures (eg noise barriers) required in accordance with the Noise Mitigation Conditions and the screening of such measures with planting between barriers and the busway carriageway;
- h. Detailed designs of the acoustic barriers, retaining walls, and earth bunds in conjunction with the engineers where necessary; and
- i. The identification of existing trees and vegetation sited on the boundary of the Busway designation that ought to be retained for screening purposes.

6.3 The Landscape Mitigation Plan shall include details of:

- j. All proposed planting (including species, species size, densities, areas and locations);
- k. The planting programme;
- l. The maintenance programme. This programme shall include details of weed control, performance standards specifying allowable percentage survival rates, and replacement of any planting features;
- m. The sufficiency of the soil medium to sustain all planting proposed; and
- n. An appropriate maintenance regime.

6.4 All landscape mitigation planting shall be implemented during the first planting season following completion of the project construction works providing climatic conditions are suitable, otherwise at the first practicable opportunity thereafter. Following completion of planting, the Requiring Authority shall submit to the ~~North Shore City~~ Auckland Council a report by the landscape architect on the implementation of the landscape plan.

6.5 Where practicable, any planting utilising native plants shall use plants genetically sourced from the ecological district.

6.6 Exposed cut and fill batters and slopes shall be re-vegetated as soon as practicable after construction.

7. Noise Mitigation Conditions

7.1 The project shall, as a minimum standard, be designed and constructed to comply with the limits within the ~~Transit-NZ~~ NZTA Guidelines for the Management of Traffic Noise for State Highway Improvements and with the acoustic report 'North Shore Busway Project, SH1 busway, Report No 97245B' by Marshall Day Acoustic Limited.

7.2 The PMP shall include a Noise Mitigation Plan prepared by a suitably qualified noise consultant. The purpose of the plan is to describe the methods by which noise associated with traffic using the roading and the bus stations within the designation will be made to comply with specified noise limits at all affected dwellings and schools in the vicinity of the area affected. Where the ambient sound level is required to determine design limits then this shall be done prior to construction commencing.

7.3 The Requiring Authority shall ensure that all construction works are carried out in accordance with NZS 6803P:1984 "The Measurement and Assessment of Noise from Construction, Maintenance and Demolition Work".

7.4 The PMP shall include a Construction Noise Management Plan. The purpose of the Plan is to describe the methods by which noise associated with the construction of the work will be managed to comply with condition 7.3 above. In particular, the Construction Noise Management Plan shall identify:

- a. The location of permanent acoustic fences to be installed prior to the commencement of the main construction works;
- b. Methods of managing noise;
- c. Noise monitoring methods, including details of methods, equipment, location and frequency;
- e. Contingency measures in the event of any incidence of non-compliance; and
- f. Procedures for handling noise complaints.

7.5 Where the requirements of condition 7.4 are unable to be met, the alternative strategies that have been developed following consultation with affected landowners will be implemented. Such alternatives may include, but not be limited to, temporary relocation of occupiers, compensation for occupiers and purchase of the affected properties.

7.6 Construction works shall at all times be undertaken in accordance with the Construction Noise Management Plan.

7.7 Where practicable, acoustic barriers required to meet ~~Transit-NZTA~~ NZTA Noise Guidelines in particular locations, shall be erected prior to commencement of the construction works in those locations.

7.8 Where temporary acoustic barriers are proposed in the Marshall Day Report, and where their retention would result in effective traffic noise reduction for residents or educational facilities, they shall be built to a standard such that the barriers will be able to remain permanently in place at heights approved under condition 3.3, taking into consideration traffic noise reduction visual and landscaping factors and consultation with adjoining property owners.

7.9 Unless:

- a. Otherwise agreed between Ministry of Education (MOE) and the requiring authority; or
- b. MOE agrees to compensation with the Requiring Authority for the noise effects from the Busway and associated new works; where *additional* traffic noise resulting from the Busway or associated new works increases above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any classroom, then the requiring authority shall, immediately following commissioning of the Busway, implement mitigation measures which result in the noise level not *exceeding* 45 dBA Leq, or the ambient noise level *existing* prior to the establishment of the Busway, whichever is the higher. This noise level shall be achieved together with the ventilation requirements of The New Zealand Building Code, Clause C4.

8. Geotechnical Mitigation Condition

8.1 A Geotechnical Mitigation Plan shall be prepared by a suitably qualified Geotechnical Engineer in consultation with ~~North Shore City~~ Auckland Council. The plan shall be submitted to the ~~North Shore City~~ Auckland Council prior to construction of any stage and shall take into account the recommendations of the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues' – November 2001.

9. Vibration Mitigation Conditions

9.1 The PMP shall include a Vibration Mitigation Plan having regard to the report prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001'. This Mitigation plan shall include details of how the works will comply with the requirement of German Standards DIN4150 "Structural Vibration in Buildings – Effects on Structures" during construction and shall take into account the recommendations.

9.2 A dilapidation survey of 'at risk' buildings, as per the recommendations of the audit prepared by Riley Consultants entitled 'Technical Review of Geotechnical and Civil Engineering Issues – November 2001', shall be undertaken prior to during and after completion of the construction works, provided the consent of any landowner and/or occupier can be obtained.

10. Traffic Mitigation Conditions

10.1 The PMP shall include a Traffic Mitigation Plan based on its adopted design for the project. The Traffic Mitigation Plan shall include:

- a. Methods of mitigating the local and network wide effects of both the construction of individual elements of the project 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 of helping to accommodate the bus transport needs of pupils of Westlake Girls' High School through the development and operation of Westlake Station and the busway system, in the light of consultation with the School;
- c. Methods of limiting the use of the busway to emergency vehicles and no more than 350HOVs (excluding buses) per hour north of Esmonde Road, including a restriction on the access of HOVs through Constellation Drive Station to no more than 350HOVs;
- d. Details of a monitoring programme to be undertaken detailing the demand for car parking in the vicinity of the Sunnynook Station and Westlake Station prior to the opening of the Station and at regular intervals (a minimum of 2 per annum) for a minimum period of five years following the opening of the Station to the public and measures to manage any such demand. (This condition shall only apply to Notices of Requirement 8 and 9); and
- e. Details of pedestrian access to be provided within the Westlake Bus Station and along Shakespeare Road Extension. (This condition shall apply only to Notice of Requirement 8).

10.2 In order to prevent potentially significant traffic disruption during and after construction, the existing Onewa Interchange shall continue to be fully operational (that is in the manner in

which it currently operates) until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

10.3 The public use of the Westlake Station shall not be allowed until such time as the works proposed as part of the Esmonde Interchange project have been completed and the Esmonde Interchange is fully operational.

11. Construction Management Conditions

11.1 The PMP shall include a Construction Management Plan which shall refer to all conditions imposed on any relevant resource consents granted by the Auckland Regional Council.

11.2 The purpose of the Construction Management Plan is to set out methods by which any dust nuisance from construction will be avoided or minimised and by which the possibility of ground vibration during construction can be notified to adjacent land owners and occupiers. In particular, the Management Plan shall identify amongst other things:

- a. Specific methods by which dust will be managed, including cleaning vehicle tyres before vehicles enter public roads, wetting or covering surfaces and replanting disturbed areas;
- b. Contingency measures to ensure that, in the event of any dust nuisance arising, immediate remedial measures are implemented;
- c. Procedures for prior notification of the use of machinery likely to generate vibration effects beyond the area of the designation to properties where ground vibration may be felt;
- d. The means by which loss of vehicle access to be (sic) properties will minimise inconvenience to each property owner affected following consultation with affected property owners;
- e. Methods of ensuring pedestrian safety along public footpaths and particularly where works are proposed in close proximity to any school;
- f. Procedures for handling any dust and ground vibration complaints; and

In respect of Takapuna Normal Intermediate School the Management Plan shall include measures to address the following, in consultation with the School:

- i. Preventing students from gaining access to the construction site via the parking area off Northcote road or Smiths bush by the erection of such gates or fencing as may be agreed to by the School and the Requiring Authority;
- ii. Control of construction traffic moving between the construction site and Northcote Road so as to encourage the safe movement of students along Northcote Road; and
- iii. Minimising any adverse effects of construction on the playing field, in particular, dust nuisance.

11.3 The Requiring Authority shall ensure that the Construction Management Plan is complied with at all times during construction and that a copy is kept at all site offices.

11.4 The Requiring Authority and its contractors shall, in addition to complying with all other construction related conditions, take all reasonable steps to prevent or mitigate any nuisance or damage to adjacent properties during construction.

11.5 The Requiring Authority shall advise neighbouring owners and occupiers in the vicinity of the affected area of the date on which construction is to start, the expected duration of the work, and the telephone number of Site Liaison Officer who is able to respond to queries.

11.6 The location and extent of each stage of the site works will be identified and the ~~North Shore City~~ Auckland Council advised of the construction timetable.

11.7 The earthworks contractor shall be required to maintain the stability of the land and

property at the boundary of the site by the best practicable method and to monitor that such works are and remain effective.

11.8 Control measures shall be in place to ensure that any vehicles leaving the designated site do not deposit soil or other debris on public roads. Any such material deposited on any public road shall be cleaned up as soon as practicably possible at the Requiring Authority's expense.

11.9 Adequate provision shall be made during the earthworks construction for the protection of the existing public drains that traverse the designation. It is the Requiring Authority's responsibility to remedy any damages to the public drains that may occur during construction.

11.10 Protected vegetation areas and trees identified in the Landscape Mitigation Plan are to be retained and protected. Other sensitive areas of the site are to be identified and marked for protection prior to the commencement of works.

11.11 Spoil from earthworks, surplus to site requirements, shall be disposed of at an approved landfill site.

12. Exmouth Road Pedestrian Overbridge

12.1 The Requiring Authority will use its best endeavours to obtain all necessary resource consents to allow reinstatement of the existing Exmouth Road pedestrian overbridge in the same or a similar location but extended to provide access across the bus lane to the foreshore. If such consents are granted the Requiring Authority shall reinstate the overbridge prior to the consents lapsing.

13. Westlake Boys High School

13.1 The School accessway, adjoining the western boundaries of the Altona road properties and connecting the northern and southern playing fields, shall be constructed with a minimum width of 4m and designed so that service vehicles and pedestrians can obtain safe and convenient access.

13.2 The western embankment adjoining the southern playing fields of the School shall be planted with *Alnus incana* and *Alnus rubra* at a size and spacing to be detailed within the Landscape Mitigation Plan.

13.3 The Requiring Authority shall use its best endeavours to undertake construction of the works in the area adjoining the northern playing fields during the School Summer holidays (approximately 10 December – 31 January the following year).

14. Westlake Girls High School

14.1 The Requiring Authority shall use its best endeavours to ensure that the pin oak trees along the western boundary of the School are retained.

14.2 The Requiring Authority shall use its best endeavours to undertake construction of the works along the School boundary during the School Summer holidays (approximately 10 December – 31 January the following year).

15. Takapuna Normal Intermediate School

15.1 A permanent 1.8 metre close boarded and battened wooden fence shall be erected along the western boundary of the school (as identified in the **attached** plan titled "Building Locations Takapuna Normal Intermediate School") prior to commencement of construction of the Busway.

15.2 Where the operation of the Busway results in increases in traffic noise above 45 dBA Leq (0830 to 1530 hrs Monday to Friday) in any existing Takapuna Normal Intermediate School classroom with windows open (identified in the **attached** plan), then the requiring authority shall implement mitigation measures which result in the noise level not exceeding either 45 dBA Leq, or the ambient noise levels existing prior to the establishment of the Busway, whichever is higher. This noise level shall be achieved together with the ventilation requirements of the New Zealand Building Code, Clause G4 and New Zealand Standard 4303:1990 'Ventilation Requirements for acceptable indoor air quality' and in particular the requirements for educational institutions.

15.3 The Requiring Authority shall provide for:

- a. Replanting, or replacement where replanting is not practicable, of trees along the western boundary that are required to be removed for construction of the Busway; and
- b. Planting along the inside of the 1.8 metre fence (as described in condition 15.1) to mitigate the visual impact of the fence.

16. Smales Farm

16.1 The requiring authorities shall consult with a liaison person appointed by Shea Investments Limited and Betty Leila Holdings Limited in respect of:

- a. The detailed landscape plan to be prepared for the Busway in the vicinity of Smales Farm, for the purpose of ensuring that the landscaping for the Busway is integrated with the landscape development of Smales Farm; and
- b. That part of the Traffic Mitigation Plan that relates to Shakespeare Road Extension and Westlake Bus Station.

17. T D Jane, L J & M F Bilton & A S & S J Church

17.1 Subject to access being granted by the landowners of the properties legally described as Lot 127, DP 56740 (CT 9C/703), Lot 128, DP 56740 (CT C/104) and Lot 129, DP 56740 ("the properties"), the Requiring Authority will implement the landscaping plan prepared by LA4 Landscape Architects for the properties (titled "Proposed Planting to Mitigate Busway" **attached**) and any amendments to the planting shown on the plan as reasonably agreed between the landowners and the Requiring Authority. Failing agreement within 12 months of completion of construction of the fence, the Requiring Authority shall implement the LA4 landscaping plan (or its equivalent in value).

17.2 The Requiring Authority shall construct a fence on the properties' western boundaries prior to construction of the Project commencing adjacent to the landowners properties. The fence shall have the following specifications:

- a. To be located along the properties' western legal boundaries at 2 metres above ground level (as at 16 May 2003) at 7 and 10 Altona Road, and at 2 metres and rising to 2.5 metres above ground level at the northern end at 9 Altona road, for the full length of the boundaries of those properties;
- b. To be constructed of exterior grade (marine) plywood having a thickness of 17.5 mm or more;
- c. Plywood panels to be bolted to a framework so as to ensure no gaps or cracks and to meet the surface of the ground at their lower edge;
- d. Fence posts and framework to be specified by engineering design;
- e. ~~Transit~~ NZTA shall construct gates in the fence if requested by the landowners of 7 and 9 Altona Road; and
- f. To be certified by an engineer as having a design life of 20 years (except that certification of the design life of the fence shall not apply to any gates requested to be constructed).

Advice note:

It is the Requiring Authority's intention to construct the fence as part of the enabling works during 2003 or by April 2004 at the latest.

17.3 Any construction activities exceeding the Construction Standard set out in condition 7.3 between chainage 13200 to 13000 shown on the designation plan "Harbour Bridge to Constellation Drive Designation Plans Westlake Boys High School, Drawing No. 7716C609" (the affected area") shall be undertaken between the hours of 8.00am – 6.00pm on weekdays only and shall exclude the two weeks following Christmas Eve. For the avoidance of any doubt, condition 7.5 relating to works exceeding the Construction Standard continues to apply to the landowners as affected parties.

17.4 The Requiring Authority shall undertake earthworks in the affected area in one stage.

17.5 The Requiring Authority shall consult with the landowners on the mitigation plans referred to in the conditions 5, 6, 7, 8, 9, 10 and 11 on the designation insofar as the mitigation plans affect the landowners' properties

18. Bateman Property

Stormwater

18.1 As part of the busway construction works, Transit NZTA and NSCC Auckland Council shall provide the following measures to address stormwater effects:

- a. Transit NZTA shall pipe the existing drain from chainage 15100 down to 14960 (see Figs 1a – 1c, **attached**);
- b. Transit NZTA and NSCC Auckland Council shall widen by 4m the motorway side of the existing drain located on the eastern side of the motorway, from the level of the top of the present vertical concrete wall, from chainage 14960m to Sunnynook Road Culvert (as shown on the **attached** Figs 1a – 1c), such widening shall be at a grade as flat as possible from the existing concrete wall, consistent with efficient fall;
- c. NSCC Auckland Council shall use its best endeavours to reduce the volume of debris caught on the central wall of the Sunnynook Road Culvert by reshaping the leading edge of the central wall;
- e. Transit NZTA and NSCC Auckland Council shall undertake the following measures to avoid slope instability and scour:
 - i. Provide a batter toe restraint retaining wall to buttress the lower position of the batter;
 - ii. Construct a gabion wall or timber pole wall to support the toe restraint retaining wall; and
 - iii. To undertake grass seedling over the four metre widening of the berm.

Advice Note:

It is recorded that Mr Bateman has agreed to provide access to Transit NZTA and NSCC Auckland Council or their contractors to enable them to undertake any drainage improvement works required within or adjacent to the Bateman family property.

Noise

18.2 Transit NZTA shall construct a concrete 0.8 metre high barrier between the Busway and the property in compliance with the letter from Marshall Day Acoustics Limited dated 18 December 2002 (**attached** as Appendix 1). The detailed design of this barrier is to be finalized as part of the busway detailed design.

18.3 Transit NZTA shall construct a 0.8 metre high solid concrete New Jersey Barrier on top of the retaining wall between the motorway and the busway as also described in Appendix 1; the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.4 Transit NZTA shall construct a 1.8 metre high barrier at the rear of the Sunnynook Station between the proposed bus shelter and the end of the platform to mitigate any

reflection of noise from the northbound bus shelter, the detailed design of this barrier is to be finalised as part of the busway detailed design.

18.5 ~~Transit~~ NZTA agrees that any retaining wall to be constructed for the purposes of the Sunnynook Station shall be constructed from non-reflective materials to mitigate any potential noise effects.

Landscaping

18.6 ~~Transit~~ NZTA shall undertake screen planting, consisting of native trees, shrubs and ground cover between Sunnynook Station, the busway and the property, as shown on the **attached** plan (titled “North Shore Busway Project: Amended Landscape Development for Sunnynook Bus Station, Figure 2”) to provide effective screening. The planting, including the planting shown on the embankment between the busway and the motorway, will be undertaken as soon as practicable following the construction works and within the first planting season to provide effective screening.

18.7 The landscaping and planting provided for under clause 18.6 shall be planted at Pb28 grade so that the plants are approximately 1.5 metres high when planted.

18.8 All planting shall be tended and maintained to ensure the full establishment and effectiveness of the landscaping including replacement planting where necessary.

Attachments

No attachments.

Designation 1467

1467 Road Widening - Hobsonville Road

Designation Number	1467
Requiring Authority	New Zealand Transport Agency <u>Auckland Transport</u>
Location	Hobsonville Road from Brighams Creek Road to Upper Harbour Drive and Brighams Creek Road and Hobsonville
Rollover Designation	Yes
Legacy Reference	Designation NZTARW1, Auckland Council District Plan (Waitakere Section) 2003
Lapse Date	Five years from being operative in the Unitary Plan <u>31 August 2022 unless given effect to prior</u>

Purpose

Road widening

1. Hobsonville Road from Brighams Creek Road to

Upper Harbour Drive:

- a. 11.5m from centre line (both sides); and
- b. 1.44m from the existing boundary (both sides).

2. Hobsonville Road from a point adjacent to Pt 15 SO 2599, being approximately 500mm from the Brighams Creek- Hobsonville Road intersections to a second point at the corner opposite Pt 25 DP 41296:

- a. 13m from the centre line (west side only); and
- b. 2.88m from the existing boundary (west side only).

Conditions

1. Appropriate sedimentation and erosion control measures shall be employed for any earthworks on the designated site.

Explanation: This Plan outlines erosion and sediment control measures for earthworks which are above a certain threshold, with that threshold varying according to the particular environment. Compliance with these measures would generally satisfy condition 1. Note that major earthworks may require a consent from the Auckland Council.

Attachments

No attachments.

Designation 1469

1469 Albany Highway

Designation Number	1469
Requiring Authority	New Zealand Transport Agency <u>Auckland Transport</u>
Location	Albany Highway, Albany
Rollover Designation	Yes
Legacy Reference	Designation (no number), Auckland Council District Plan (North Shore Section)
Lapse Date	Five years <u>31 August 2022</u> unless given effect to prior

Purpose

Road widening and improvement works.

Conditions

General

1. That the scope and extent of the works within the designated area be generally in accordance with the plans submitted as part of the Notice of Requirement dated 22 September 2011, as modified (with respect to access to 329 Albany Highway) by drawing no 51-30100-SK444 dated 15 December 2011) and as modified (with respect to access to 281 Albany Highway) by drawing no SK281A- 281 Albany Highway - Rev 8 - Agreed Access Arrangements; and in accordance with the conditions set out below.
2. In accordance with Section 184(1) of the Resource Management Act 1991, the alteration to the designation shall lapse on the 31 August 2022 ~~expiry of 10 years from the date on which it is included in the Auckland Council District Plan (North Shore Section)~~ if it has not been given effect to before the end of that period.
3. Before any construction is commenced an Outline Plan(s) shall be submitted In terms of Section 176A of the Resource Management Act 1991 to the Auckland Council. The Outline Plan(s) shall show those matters required by Section 176A of the Act and those matters specified in the following conditions All work shall be undertaken in accordance with the Outline Plan(s) In addition to the requirements of Section 176A, no works shall commence until the specific mitigation plans referred to below have been approved to the satisfaction of Auckland Council. All works shall also be In accordance with the details of these specific mitigation plans

4. That prior to any works being commenced, the Requiring Authority shall obtain all resource consents required under the Resource Management Act.

5. The Requiring Authority shall ensure that all reasonable steps are taken to prevent any nuisance and damage to adjacent properties during construction. The Requiring Authority shall reinstate any property damaged during construction or provide compensation to the affected owner if reinstatement is not possible.

6. At all times, reasonable physical vehicular and pedestrian access shall be maintained to private properties not directly affected by construction works in the area affected. Where private properties are directly affected by construction causing vehicular access to be temporarily prevented and no alternative can be utilised, the Requiring Authority shall ensure that the property owner (and occupier if relevant), is consulted with respect to the most suitable time for carrying out the work and the Requiring Authority shall minimise the period during which access is prevented. Particular regard shall be given to those properties where the Requiring Authority is aware of owners/occupiers with physical impairments. Fences removed as a result of this project shall be reinstated at the Requiring Authority's expense unless alternative arrangements have been made with the landowner.

7. Fences removed as a result of this project shall be reinstated at the Requiring Authority's expense unless alternative arrangements have been made with the landowner.

Heritage / Archaeological

8. Prior to submitting the Outline Plan of Works to the Council for approval in terms of Condition 3 above, the Requiring Authority shall request confirmation from the NZ Historic Places Trust whether an authority under the Historic Places Act 1993 is required to damage, modify or destroy any archaeological material, based on the archaeological assessment of the corridor by Russell Foster and Associates dated November 2011. If the archaeological assessment identifies any material of significant value, steps shall be undertaken by the Requiring Authority, where possible, to avoid damaging, modifying or destroying that material.

9. If any urupa, traditional sites, taonga (significant artefacts), or koiwi (human remains) are exposed during site works, then the following procedures shall apply:

- a. Works in the immediate vicinity of the site that has been exposed shall cease;
- b. The site supervisor shall immediately secure the area in a way that ensures that any remains or artefacts are untouched;
- c. The site supervisor shall notify representatives of relevant tangata whenua, the New Zealand Historic Places Trust, the Auckland Council and, in the case of human remains, the New Zealand Police; and
- d. The notification in (c) above shall allow such persons being given a reasonable time to record and recover archaeological features discovered before work may recommence on the exposed site. Should archaeological material be discovered, works shall not recommence until approval has been obtained from the New Zealand Historic Places Trust, under the Historic Places Act 1993

10. Prior to the commencement of works, detailed protocols for the management of the exhuming and relocation of the unmarked graves in the Albany Cemetery identified as No 7, protected as a Category A site, in the Auckland Council District Plan (North Shore Section-Appendix 11A Schedule of Buildings, Objects and Places of Heritage Significance) shall be developed in consultation with representatives of the relevant Tangata Whenua, the New Zealand Historic Places Trust, Presbyterian Church Trustees and Auckland Council.

Traffic Noise

11. The surface of the Albany Highway shall be constructed of a suitable and practicable medium such as asphalt, or a road surface with equivalent or greater acoustic performance. The same medium, or a medium with equivalent or greater acoustic performance, shall be used for all future re-laying of the road surface.

12. As a minimum standard, the Requiring Authority shall design and construct works to satisfy the requirements of NZS 6806:2010 Acoustics - Road Traffic Noise- New And Altered Roads.

13. At the outline plan stage and prior to the commencement of the construction works, a Noise Management Plan shall be provided to the Council's satisfaction from a suitably qualified acoustic consultant in accordance with section 14 9 1(b) of the Auckland District Plan (North Shore Section). The Plan shall provide measured ambient noise levels at appropriate representative monitoring points for all affected Properties And Facilities (PPF's) and the following information for each affected property

- a. The ambient sound levels to all PPF's prior to construction work commencing;
- b. The do-nothing traffic noise levels to all PPFs for the design year, a minimum of 10 years after the completion of the road widening;

- c. The do-minimum traffic noise levels to all PPFs for the design year, a minimum of 10 years after the completion of the road widening;
- d. Options for effective noise mitigation measures, either singly or in combination, including noise barriers and building insulation;
- e. Traffic noise levels for the design year to all PPFs with the proposed mitigation in place.

Construction Noise

14. Noise generated by the construction works associated with the Albany Highway Corridor Upgrade shall, where practicable, comply with the *New Zealand Standard NZS 6803:1999 Acoustics - Construction Noise* except that where compliance with the standard is not practicable or possible, alternative methodologies that will minimise adverse effects shall be developed in consultation with the owners and/or occupiers of the affected properties, to the satisfaction of Auckland Council.

Construction Management Plan

15. At least one month before the commencement of any construction activities authorised by this designation and associated with the proposed widening and upgrade of Albany Highway, the Requiring Authority, shall submit a Construction Management Plan to the Team Leader Compliance Monitoring (The Manager) - Northern, Auckland Council. The manager's approval must not be unreasonably withheld and, if provided, will be provided within 10 working days (of all information being received by the council). Works will only be able to proceed once approval has been granted. The construction management plan shall make provision for the following:

- a. Methods for avoiding or minimising noise nuisance;
- b. Methods for avoiding or minimising any dust nuisance from construction, including, in particular, any dust nuisance which may cause damage to utilities;
- c. Methods of avoiding or minimising any vibration or ground instability effects, including, in particular, any such effects which may cause damage to utilities;
- d. Methods for protecting those trees that are to be retained and potentially affected by construction works;
- e. Methods for implementing the recommendations of the Landscape Mitigation Plan and the Arborist report prepared by Arborlab Consultancy Services Ltd dated April 2011;
- f. Methods for the demolition and/or removal of any building on properties required for the works;
- g. Methods for liaising with network utility operators;
- h. Methods for ensuring that any vehicles leaving the site do not deposit soil or other debris on public roads;
- i. Details of the site manager, including their contact details (phone, fax, email and postal address);
- j. The location of a large notice board at each end of the works, which clearly identifies the name, telephone number, and address of the site manager;

- k. Methods for retaining access to all properties during the construction period;
- l. Methods for ensuring the safety of cyclists and pedestrians during construction;
- m. The location of the site office and workers' toilet and proposed parking arrangements for workers;
- n. The location of all material storage areas and protection measures (if required);
- o. Proposed hours of work on site;
- p. Locations at which construction equipment will be parked over night;
- q. The signage to be erected at the site during the construction period to advise motorists, pedestrians and cyclists of the works, and of the routes they should follow;
- r. A requirement to implement the Traffic Mitigation Plan;
- s. Proposed construction methodology;
- t. Proposed method of risk management;
- u. Measures for silt control and treatment of stormwater during construction;
- v. Proposed programme;
- w. Measures to manage access for emergency vehicles;
- x. Measures to manage the effects of construction vehicles (delivery routes, times, parking etc.);
- y. Measures to remediate any contaminated land (if any).

Communications Plan

16. The requiring authority shall prepare, and submit for the approval with the Construction Management Plan, a Communication Plan that sets out procedures for communicating with the public, the owners and occupiers in the immediate vicinity of the construction area, and all schools in the immediate vicinity (including Albany Junior High and Senior High Schools, Kristin School, Albany Primary School and Pinehurst School) throughout the construction period. The communications plan must include a copy of the Traffic Mitigation Plan prepared under Condition 23 as well as procedures for:

- a. Giving notice of the commencement of construction activities;
- b. Providing information about the expected duration of work, including a programme of works;
- c. Giving notice of any changes to the programme of works;
- d. Handling complaints on noise, vibration, dust or any other matter.

17. The approved Communications Plan is to be implemented and maintained for the duration of the project.

18. The Requiring Authority must ensure that the Local Board, and the owners and occupiers of properties in the immediate vicinity of the construction area, are given notice of the commencement of construction activities and a programme of works at least 10 working days prior to construction commencing.

19. The Requiring Authority must, at all times, from the date the designation is confirmed until the works are complete, ensure that all affected persons are able to contact the delegated officer(s) or agents(s) whose duty it will be to liaise with all parties on the concerns arising out of the completion of the proposed works. This person shall be appointed after confirmation of the designation and affected owners/occupiers notified of the appointment in writing.

Construction Noise Management Plan

20. A Construction Noise Management Plan ('CNMP') shall be prepared by a suitably qualified acoustic consultant and submitted to the Team Leader Compliance Monitoring (the Manager) - Northern, Auckland Council. The Manager's approval must not be unreasonably withheld and, if provided, will be provided within 10 working days (of all information being received by the Council). The Plan shall refer to noise management measures set out in Appendix E of NZS6803:1999 "Acoustics - Construction Noise" and shall detail the construction methodologies that will be employed to, as far as practicable, comply with NZS 6803:1999. As a minimum, the CNMP shall address the following:

- a. Construction sequence;
- b. Machinery and equipment to be used;
- c. Hours of operation, including times and days when noisy construction would occur;
- d. The design of noise mitigation measures such as temporary barriers or enclosures;
- e. Construction noise limits for specific areas;
- f. Development of alternative strategies where full compliance with NZS6803:1999 cannot be achieved, including consultation with residents and occupiers to achieve acceptable outcomes;
- g. Methods for monitoring and responding to complaints about construction noise.

The Requiring Authority shall ensure that the Construction Management Plan and Construction Noise Management Plan are complied with at all times during construction and that a copy of each is kept at the site offices.

~~2122~~. The Requiring Authority shall advise neighbouring owners and occupiers of the construction timetable, including the date on which construction is expected to start and the expected duration of the work.

Traffic Mitigation Plan

2223. Prior to the commencement of construction, the Requiring Authority shall submit a Traffic Mitigation Plan ('TMP') to the Manager, Road Corridor Access, Auckland Transport (the manager). The Manager's approval must not be unreasonably withheld and, if provided, will be provided within 10 working days (of all information being provided to Auckland Transport). The Traffic Mitigation Plan shall:

- a. Address methods of mitigating the local and network wide effects of both the construction of individual elements of the project to be opened to traffic while other sections are under construction; and
- b. Provide details of how individual properties will be affected in terms of on site car parking and manoeuvring and what measures the Requiring Authority will be implementing to ensure that each property retains either the existing provision for on-site car parking or manoeuvring or compliance with District Plan requirements for on-site car parking and manoeuvring;
- c. Provide details of whether during construction the over dimension vehicle envelope of 9.5m by 6.5m is provided, or an alternative route is available.

Advice Note:

In particular, the TMP should give consideration to the following:

- Whether school holiday periods can be used for critical construction works to minimise disruption and delays caused by school traffic (7- 9am, 3-4pm);
- Whether it is possible to keep open one lane of traffic in each direction at peak times;
- Whether road closures (for either direction) can be avoided for the following: 7am to 9am on school days - for the entire length of the corridor (Bush Road/Albany Highway to Albany Expressway/Albany Highway). 3pm to 4pm on School days - for the section from Rosedale Road/Albany Highway to Albany Expressway/Albany Highway. 4.30pm to 6pm - at the Rosedale Road/Albany Highway, on the south approach between Appleby Rd and Rosedale Rd and on the east approach from William Pickering Dr and Albany Highway. (The above being existing congested areas that have been identified from an on-site survey).

Public Utilities

General Conditions

2324. The Requiring Authority shall, during the preparation of tender documents and the Construction Management Plan, take into account the location of the existing infrastructure and utility services and the likely location of future infrastructure and utility services, and undertake consultation with the appropriate Council departments and network utility operators as necessary.

2425. The Requiring Authority shall adopt best practice techniques for construction to ensure that all network utility operators' and Council's infrastructure is protected and public safety is ensured. The Requiring Authority shall liaise with public utility operators and use its best endeavours to ensure that all planned utility upgrading along the Albany Highway is carried out during the construction period.

The following conditions apply to Vector Limited and Transpower NZ Limited Electricity Infrastructure:

2526. The Requiring Authority shall consult with Vector Limited and Transpower NZ Limited at least 15 working days before carrying out any of the following activities on land that is subject of Designations 179 and 179A:

- a. Any activity where damage is caused, or is likely to be caused, to underground transmission lines assets through excavation or works;
- b. Any excavation in, or under, the road (including drilling, tunnelling, thrusting or similar); or
- c. Establishment, maintenance or replacement of street trees.

The conditions below apply only to Watercare Services Limited's Infrastructure

2627. The Requiring Authority shall ensure that Watercare's ability to operate, maintain or upgrade its assets is not unduly restricted or prevented during construction and post construction.

2728. The Requiring Authority shall consult with Watercare (or any other agent nominated from time to time) at least 15 working days prior to any works being carried out in close proximity to Watercare's assets and obtain any approvals required from Watercare.

2829. The Requiring Authority shall, at the Outline Plan of Works stage, clearly show any actual and/or potential effects of the proposed works on Watercare's infrastructure.

Emergency works

2930. Emergency works and urgent works, including provision for 24 hour access, can be undertaken by any other Network Utility Operator without the need for express written approval from the Requiring Authority. The party undertaking the emergency or urgent works must advise the Requiring Authority, within 2 working days, that the activity has been undertaken and seek written approval if the work is

ongoing.

"Emergency works" means works defined under section 330(1) of the RMA or Section 6 22 1 of the Draft National Code of Practice for Utilities Access to the Transport Corridors (March 2009) of the Code of Practice of Working in the Road (Auckland Region) or any replacement code.

"Urgent work" is defined in section 69 of the Local Government Act (Auckland Council) Act 2009 as work that is urgent and necessary as a result of any defective equipment or other emergency equipment or other emergency.

The above condition shall apply to land that is within the road designation, whether it is formed or not.

Written Approvals

3034. In providing written approvals for works in roads under section 176 of the RMA, the Requiring Authority shall comply with the requirements, procedures and timeframes set out in the Code of Practice for Working in the Road (Auckland Region) or any replacement of the regional code by the Code of Practice of Utilities Access to the Transportation Corridors.

Advice Note:

The process implemented for providing requiring authority approvals above could be incorporated into the process for granting access to the road network such that a single process for both requiring authority approvals and road access approvals is implemented unless otherwise requested by the party seeking approval.

Vegetation and Corridor Mitigation

3132. The Requiring Authority shall submit a comprehensive Landscape Mitigation Plan as part of the Outline Plan, in consultation with the Council's Urban Design - Built Environment (Environmental Strategy and Policy), Park Arborists and the Northern Ward Arborist for approval and to the satisfaction of Auckland Council. The Plan shall take account of:

- a. Mitigation measures as outlined in the 'Landscape Plans' and 'Landscape and Urban Design Framework' report prepared by Isthmus Landscape Architecture/Urban Design dated April 2011 (Appendix 2 and 3 of the Landscape, Visual and Urban Design Assessment Report).
- b. Modifications to the measures outlined in the Landscape Plans and Landscape and Urban Design Framework report required to give effect to detailed design safety

audit recommendations, geometric design constraints and access arrangements for 329 Albany Highway shown on drawing no 51-301OO-SK44 dated 15 December 2011.

c. Where there is a conflict between tree location and utilities, alternatives are explored in order that trees are planted close to the locations shown on the 'Landscape Plans'. Such alternatives may include minor relocation of planting (which may entail changes in tree spacing or minor adjustments to footpath and cycle path alignment), changes to tree planting details (such as changes in tree planter detail), or minor realignment of the more flexible services where it is practicable and does not add significantly to cost. Where such alternatives are not practicable, such trees shown on the 'Landscape Plans' shall be planted elsewhere in the corridor.

d. Consultation with individual property owners and Cycle Action Auckland (in regards to the design of the cycle pathways).

e. The high sensitivity and potential complexity of the works associated with the reserve land along the Albany Highway Corridor, and in particular, the Albany Cemetery (R539) and Oteha Stream (R473).

~~3233~~ 3233. The Plan shall provide for:

a. The implementation of the design parameters detailed in the Landscape and Urban Design Framework (Appendix 3 of the Landscape, Visual and Urban Design Assessment report) that provides guidance on the detailed design of:

- Pedestrian and cycle pathways
- Medians
- Intersections
- Mid-block crossings
- Pedestrian refuge islands
- Driveways and shared accessways
- Retaining walls
- Street furniture (lights, signs, bush shelters)
- Boundary walls
- Existing vegetation
- Planting within the berm
- Planting within property boundaries
- Stormwater
- Days Bridge
- Utilities.

b. The identification of existing trees and vegetation affected by the proposed works which, where practicable, are to be retained. These trees shall be protected during the construction programme

- c. The identification of any existing trees and vegetation affected by the proposed works that are to be relocated.
- d. A schedule of species to be planted, including their location, botanical name, average plant size at time of planting, with a minimum size of PB95 being used for all specimen street trees, and average mature height.
- e. Detailed design of acoustic barriers (in consultation with a suitable qualified acoustic consultant) following consultation with individual property owners. ~~A maintenance period for vegetation retention of no less than 2 years from the certified date of practical completion of all the planting~~
- f. A maintenance period for vegetation retention of no less than 2 years from the certified date of practical completion of all the planting. The maintenance shall include performance standards specifying survival rates for planting and strategies to address non optimal growth rates and measures including control of invasive root species. It shall also provide for replanting where unsatisfactory planting results have occurred and the timing of planting which could, - in consultation with landowners, include opportunities for early planting.
- g. Details of street tree planting within medians and berms along the corridor length.
- h. Replacement fencing, walling and boundary planting including outcome of discussions with individual owners.

Advice Notes:

In the preparation of the Landscape Mitigation Plan consideration should also be given to the following matters:

1. Retaining Walls

- The use of stepped structures with planting to assist the visual mitigation where retaining walls are required to be higher than 12m.
- The use of pre cast panels between the slip road adjacent to 234a- 246 Albany Highway and the highway itself with consideration to a planting strip at the base of the wall to allow for shrub or climber planting to soften the retaining structure.
- The use of art to enliven this route used by adults and children - retaining walls offer a variety of opportunities, particularly near intersections and bus stops.

2. Boundary Treatment

- To the use of hedge, low shrub or climber planting on the highway side of timber fences where space between footpath and boundary permits, in order to create a 'greener' streetscape and reduce the potential for graffiti, so long as such planting does not compromise passive surveillance objectives. Consideration should be given to the adequacy of on-going maintenance of such planting. A decision on such planting should take into account the wishes of adjacent property owners.

- Fencing to be designed with some variations along the corridor in context with adjacent properties, but in a way that creates a coherent and uncluttered appearance as described in the Landscape and Urban Design Framework.
3. Street Furniture and Lighting
 - The quality of fittings should be of similar standard to that implemented in the Albany Town Centre as a minimum.
 4. Shrub and Groundcover Species
 - The use of a limited number of consistent shrub and groundcover species within all three different native planting mixes to encourage a sense of continuity and cohesion throughout the highway corridor.
 5. Street Tree Planting
 - The use of a planting trench in the grassed berm between the pedestrian path and cycleway, where it is capable of being developed, such as between the footpath and cycle path between 265 Albany Highway and Appleby Road, in order to provide good growing conditions for street trees. Note that construction of such planting trenches shall take into account potential conflict with utilities
 6. Paving Materials
 - The use of a coherent system of paving materials and signage to distinguish footpaths, cycle paths, and shared paths Such materials should complement each other so that they contribute to visual amenity Signage and graphics should similarly contribute to amenity,
 - The use of paving for pedestrian refuge areas within the central median consistent with that use/ for shared paths on the adjacent berms This approach could be extended to pedestrian crossover areas of roads feeding into the highway subject to traffic engineering recommendations.
 7. Other Detailed Design Issues
 - Impractical berm configuration that results in acute angles for planting or grassed areas that will not support successful plant establishment e.g LP002 adjacent 221 Albany Highway and LP011 east side of corridor adjacent Lucas Creek tributary.
 - Potential conflict between lighting standard and vehicular access points e.g LP007 adjacent 427 Albany Highway.
 - Potential conflict between bush shelter and vehicular access points LP007

adjacent 419 Albany Highway.

- Feasibility of retaining existing trees e.g. LPOOB adjacent 437b Albany Highway. (Note: the general approach of retaining existing significant trees/notable trees is supported in principle).
- Practicality of footpath layout e.g. LPOOB absence of paved link between bus stop and footpath near 460 Albany Highway.
- Comprehensive treatment of all berms e.g. LP012 adjacent R21 where no treatment is shown for the berm between the shared cycleway / footpath and the property boundary.
- Review of the intersection widths and radii to reduce pedestrian crossing distances and turning vehicle speeds down

Parkhead Reserve RB

- Replacement planting within the Reserve to reinstate the existing well established leafy reserve character that prevails.
- Attention should also be paid to the sensitive design of any level changes between the highway and reserve to ensure an attractive and seamless transition between the two. Retaining, if required, should be detailed so as to avoid interfering with the open expansive feel between the carriageway and reserve and should be either formed in a high quality material that does not require screening or screened by low planting or a self clinging climber.

R323

- Replacement planting of two totara in the adjacent reserve.

Oteha Stream R473

- To encourage the use of clean and simple lines, and visually recessive colours and avoid the use of applied motifs for Days Bridge.

Albany Cemetery

- It may be appropriate to consider the use of an alternative species to kanuka within the Albany Cemetery as replacement for the existing trees.
- Use of natural stone facing material on the retaining wall below the Cemetery.

34. All planting in the road reserve will be subject to normal Council maintenance after the specific period identified in the Landscape Mitigation Plan.

35. All landscape mitigation planting shall be implemented no later than in the first planting season following completion of the project construction works providing climatic conditions are suitable, otherwise at the first practical opportunity. Following completion of planting, the Requiring Authority shall submit to the Council a report by an independent and appropriately qualified landscape architect on the

implementation of the Landscape and Urban Design Plan providing a quantitative and qualitative assessment of the performance criteria detailed in the plan. During the maintenance period, the landscape architect shall carry out a qualitative and quantitative inspection every three months during the first 12 months following planting (or more frequently if considered necessary), and then six monthly for a period up to 24 months from completion of each planting area or until the performance standards detailed in the maintenance contract are met.

Stormwater / Contaminants Prior to lodgement of the Outline Plan of Works, consultation shall be undertaken with the Auckland Council Stormwater Unit on the proposed treatment and discharge of stormwater.

Advice Notes:

1. Consultation should be undertaken with the Auckland Council Stormwater Unit regarding the following bullet points relating to the stormwater management infrastructure catering for the proposed road design:

- Operation and maintenance of proposed stormwater management devices.
- Maintenance access requirements for stormwater management ponds (or other such devices) located within private property.
- Interim and long term responsibility for pond maintenance and other such devices.
- Maintenance access requirements for stormwater management devices located within the road corridor.
- Location of stormwater manholes within the road corridor.
- Connection of existing stormwater infrastructure into any new roading stormwater network.
- Any maintenance requirements for stormwater management devices immediately prior to any transfer of responsibility of those devices to Auckland Council, including but not limited to a full clean-out of proprietary devices including filter medium and cartridge replacement where required.

2. Stormwater pond(s) (or other such devices) located on private property that have been identified for the purpose of treating stormwater runoff from the proposed road corridor should, if possible, have an Easement in Gross over the private land to enable routine maintenance and operation of the stormwater management pond(s). The area comprising the stormwater pond(s) should, if practicable be defined as an Easement for Drainage Purposes, or become a Drainage Reserve vested in Auckland Council.

3. Operation and maintenance access to any stormwater pond should be provided to an 'all weather' standard as per the legacy Council requirements - NSCC-IDSMS 2009 Issue 10.

4. Operation I Maintenance Manuals with Engineering Drawings should be provided to Auckland Council Stormwater Unit for all stormwater devices, including ponds. The manuals should include catchment plans, summary cafes, drawings, as built, etc - as per the legacy Council requirements - NSCC IDSMS 2009 Issue 10.

5. The forebays of existing ponds should be jointly inspected before road works commence, assessed, and photos taken. Any road construction wash materials I debris identified that have accumulated during the construction phase of the project should be removed from the forebay(s) by the Requiring Authority upon completion of the activity, at no cost to Council and to Councils satisfaction. Liaison regarding any required stormwater pond forebay clean out is with Auckland Council's Stormwater Consents Engineer

Attachments

No attachments

Designation 1608

Delete designation 1608 entirely.

8. Attachment 2 changes to maps in Proposed Auckland Unitary Plan

Designation 1408

Remove that part of designation 1408 that applies to 204 Hinemoa Street Birkenhead. The remainder of the designation is unaltered.

Designation 1607

Delete designation 1607.