NZ TRANSPORT AGENCY
WAKA KOTAHI

Roads of national significance

Completing the
Western Ring Route

Waterview Connection Application

Waterview Public Presentation

Tuesday 21st September 2010

New Zealand Government

Welcome

Waterview Connection Application

- Lodged with the EPA 20th August 2010
- Recommendation for BOI by Ministers 3rd September
- EPA publicly notified today 18th September
- Submission Period through to 15th October
- More information: www.epa.govt.nz

View all of the Application on the NZTA website:

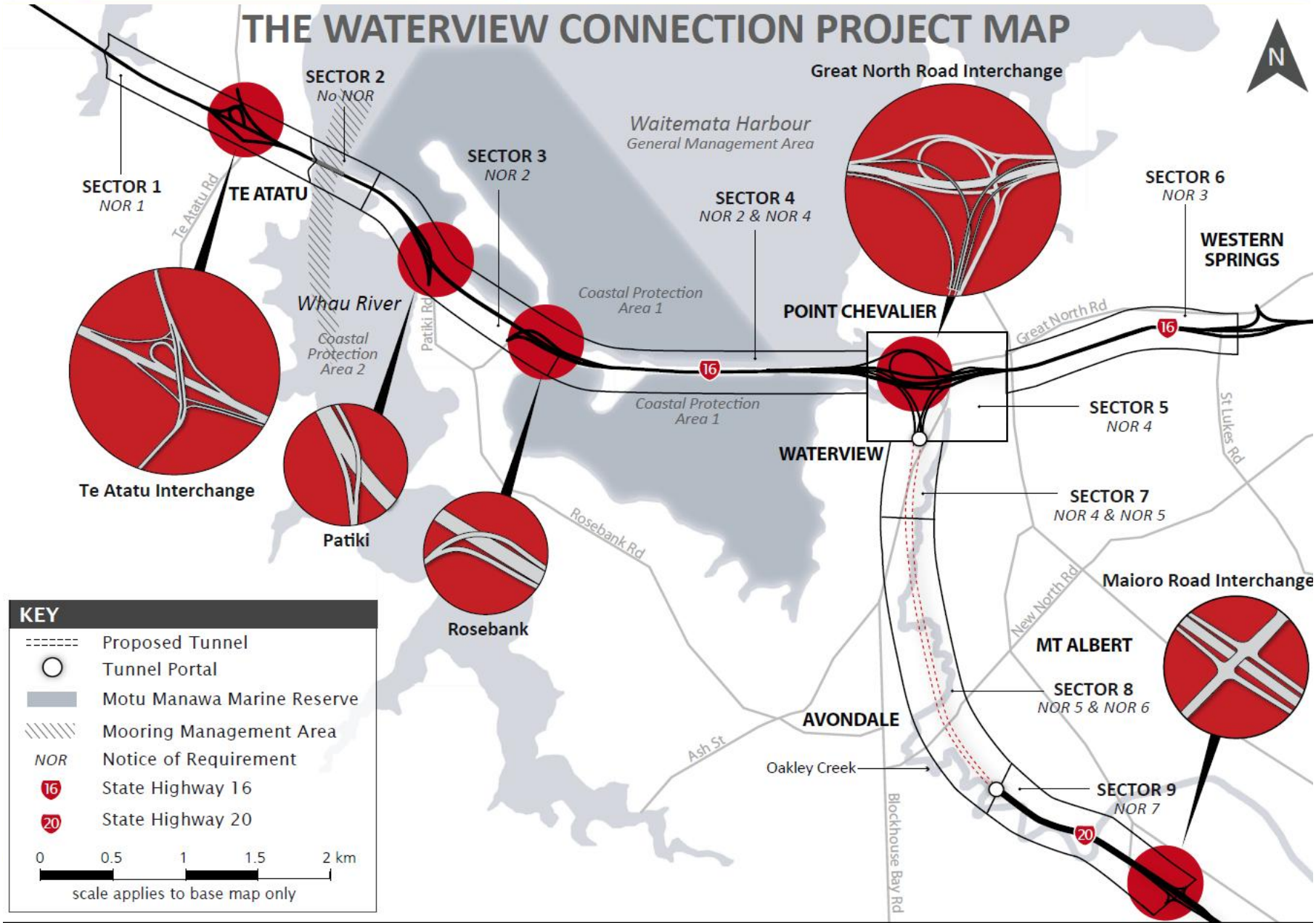
www.waterviewconnection.co.nz

Purpose & Format

1. Inform you of the Project as Lodged (30min)
2. Visualisation and Your Questions (30min)
3. Questions of the Specialist Team (1 hour)

Roads of national significance 16 20 Completing the Western Ring Route

THE WATERVIEW CONNECTION PROJECT MAP



Outline of Presentation

Waterview Connection Application

- SH20 - Great North Road Interchange to Maioro Street Interchange
- Key features and design changes since May 2010
- Where and how you can get more information
- Visualisation of key project elements

View all of the Application on the NZTA website:

www.waterviewconnection.co.nz

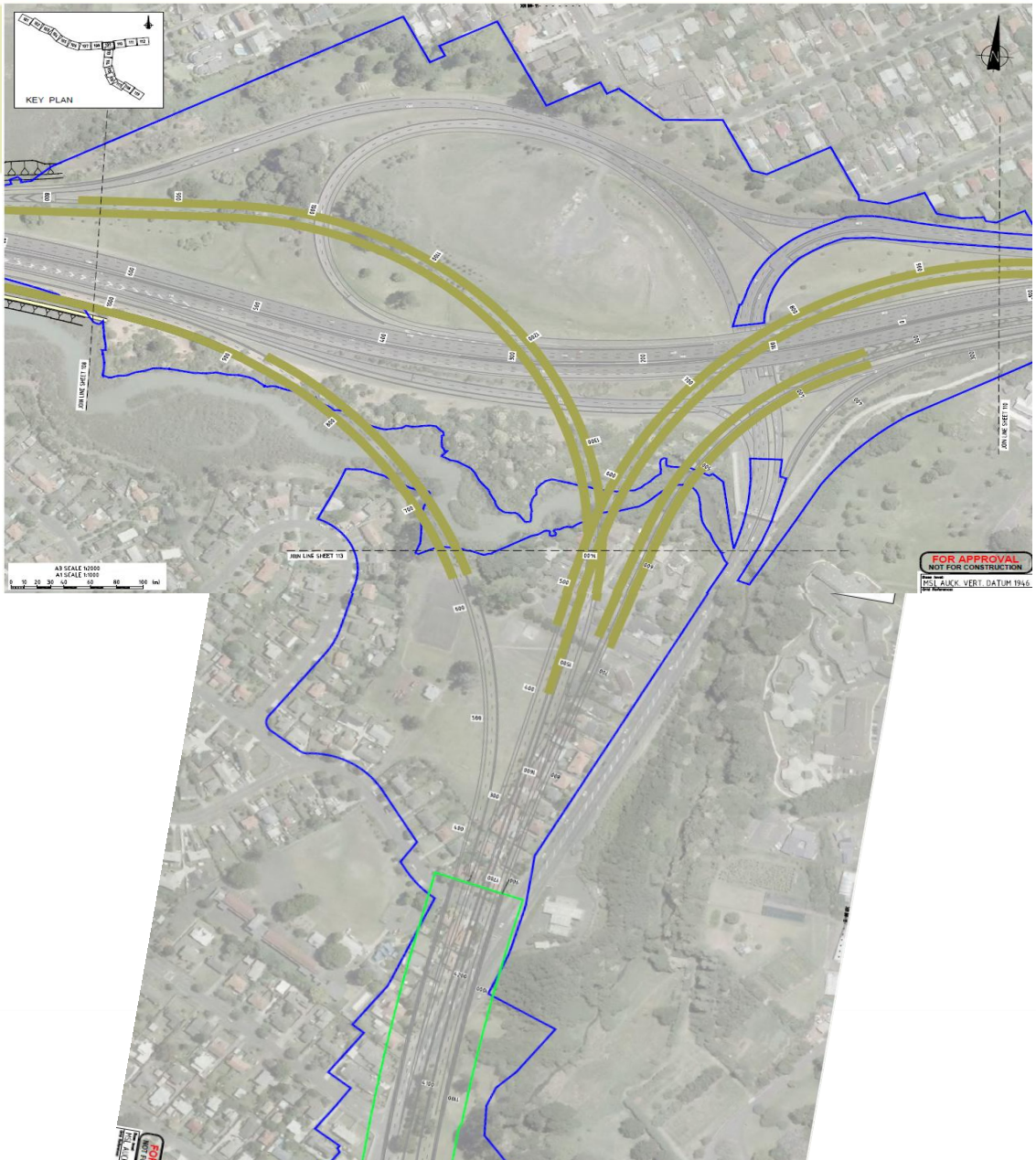
Key Features / Changes (since May 2010)

- Footprint – the designation boundaries confirmed
- Open Space
- Cycle / Pedestrian Way and Bridges
- Ventilation Building and Stacks
- Noise Mitigation
- Construction Effects

View all of the Application on the NZTA website:

www.waterviewconnection.co.nz

Designation

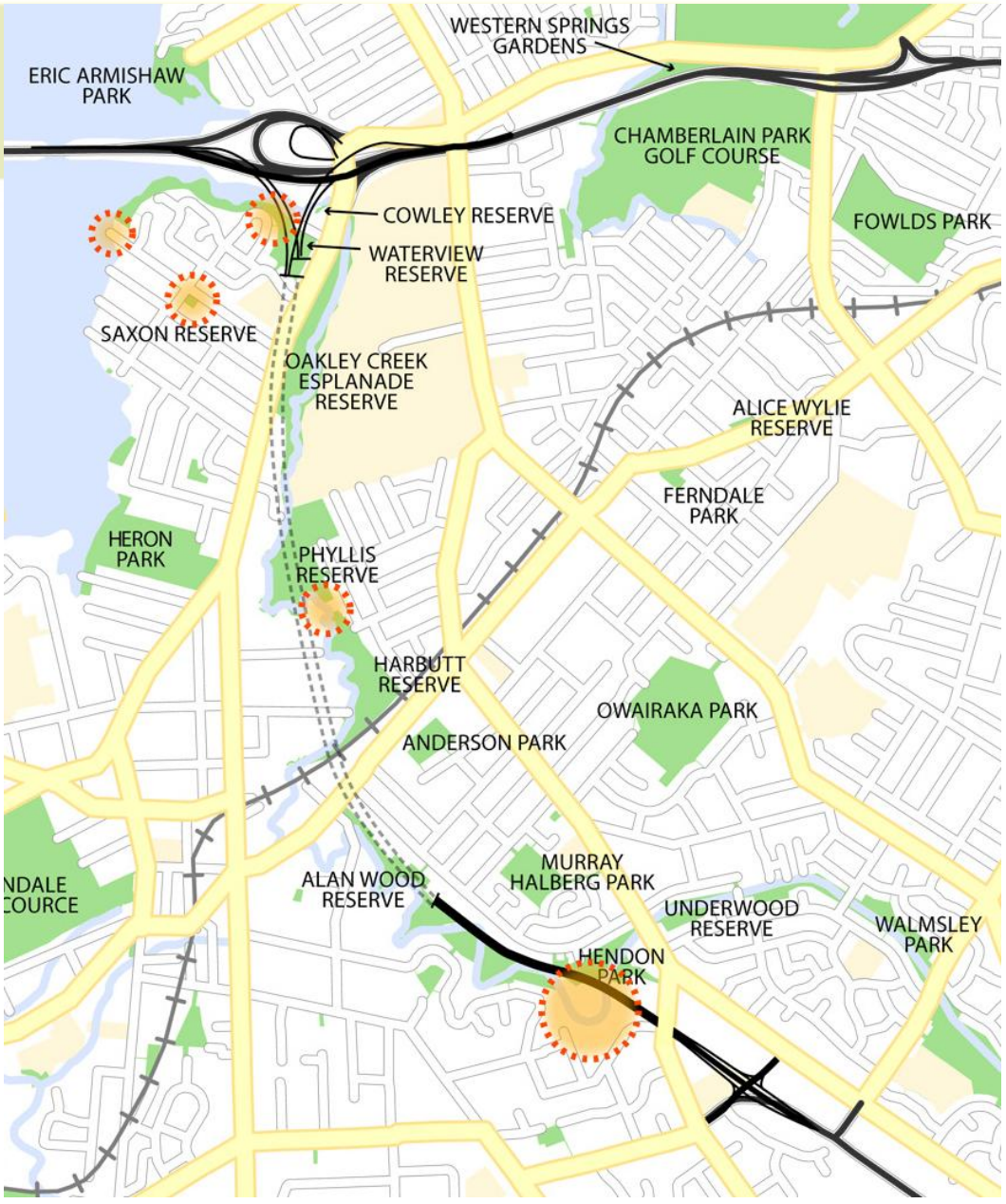


Principles for Open Space Mitigation

- ‘Like for Like’ Replacement of Land
- Management Plans to work with Auckland Council
- Replacement of Recreation Facilities
- Temporary replacement during construction

Open Space

- Waterview Reserve
- Esplanade Reserve
- Saxon Reserve
- Cradock Street
- 25 Valonia Street (Hendon)



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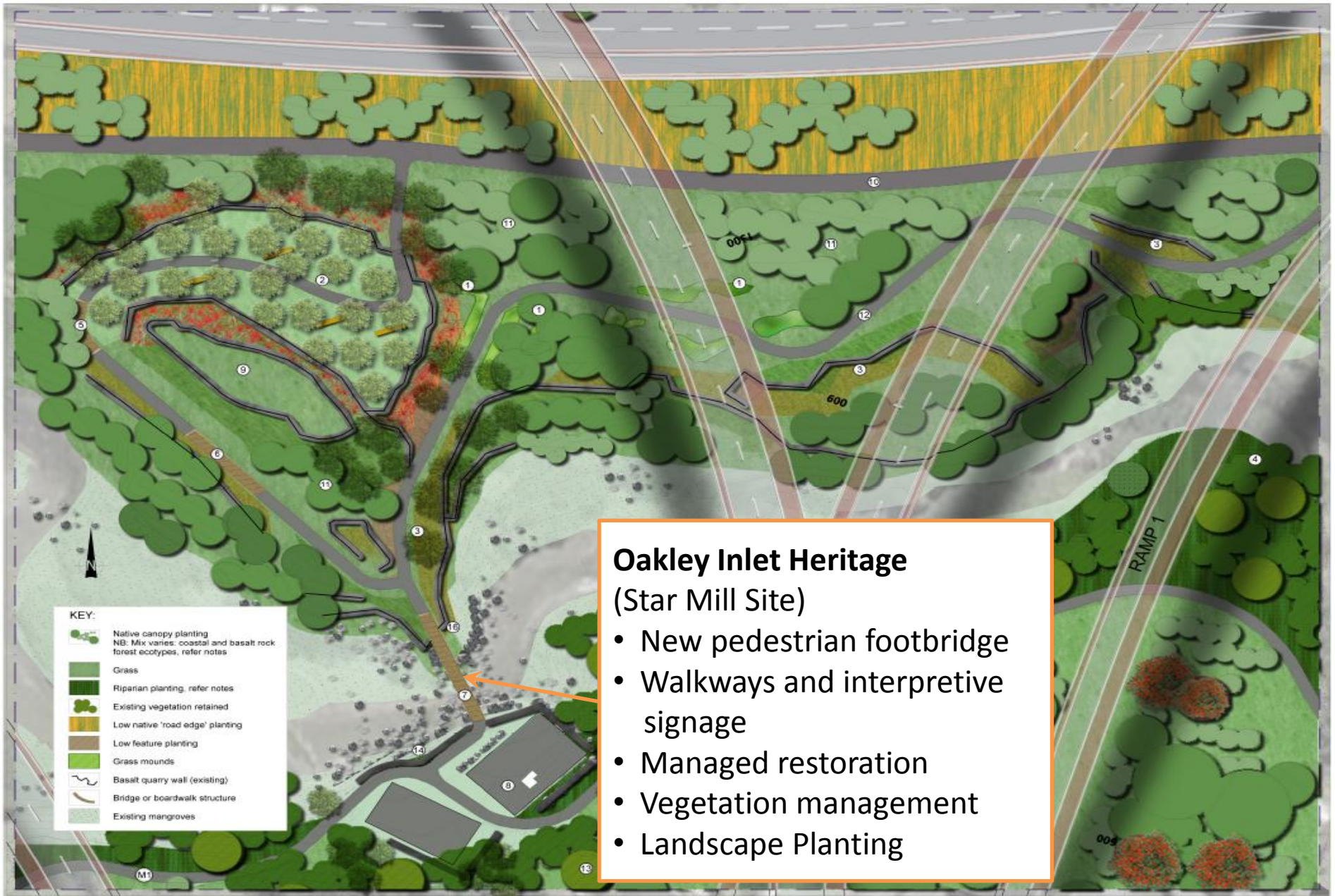
Open Space Mitigation Summary

Reserve Name	Existing Open Space	Mitigated
Waterview Reserve	2.53	2.22
Esplanade Reserves	11.66	12.26
Saxon Reserve	0.25	0.55
Alan Wood Reserve	9.25	6.43
Valonia Reserve	0.51	3.77
Hendon Park	1.69	1.81
TOTAL	**25.90ha**	**27.04ha**


RAMP 2
RAMP 3
RAMP 4
RAMP 1
Archaeological site
WATERBANK CRES
HERDMAN ST
GREAT NORTH RD
KEY:
Native canopy planting
NB: Mix varies: coastal and basalt rock forest ecotypes, refer notes
Grass
Native 'highlight' planting
Native amenity planting
Existing vegetation retained
Riparian planting, refer notes
Retaining wall
Existing mangroves
Construction footprint
Adjacent property boundary
Transition from ramp abutment to piers
Basalt quarry wall (existing)
Bridge or boardwalk structure
Street trees



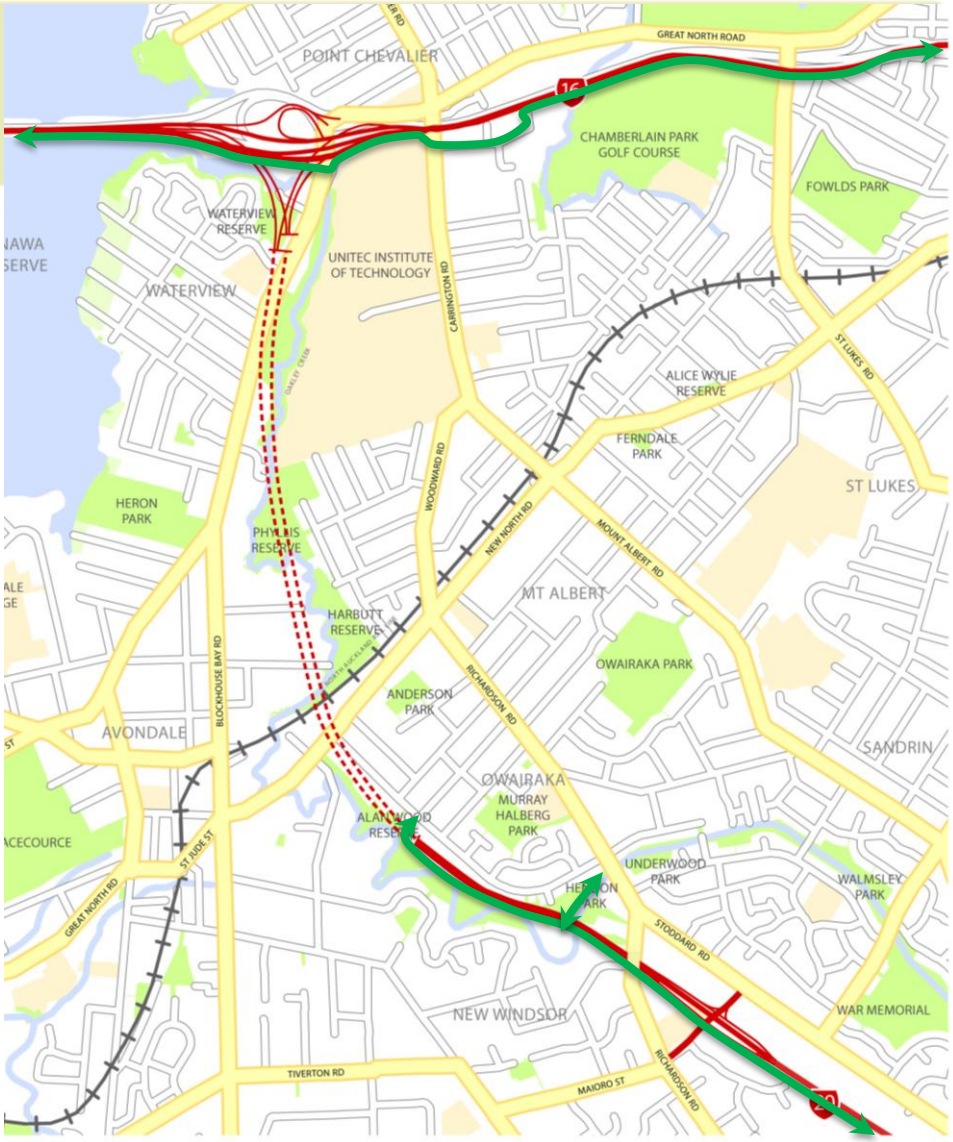
Oakley Inlet Heritage
(Star Mill Site)

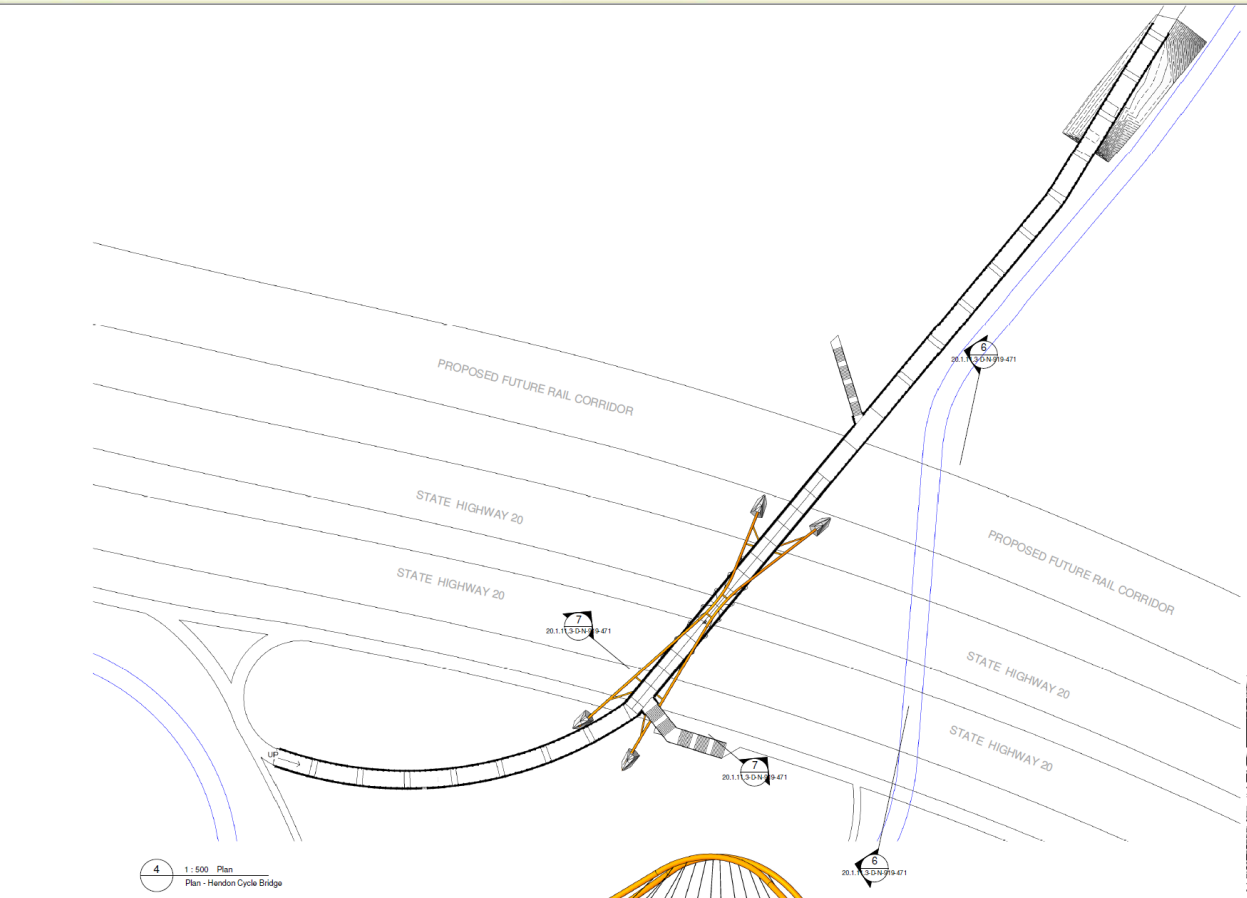
- New pedestrian footbridge
- Walkways and interpretive signage
- Managed restoration
- Vegetation management
- Landscape Planting

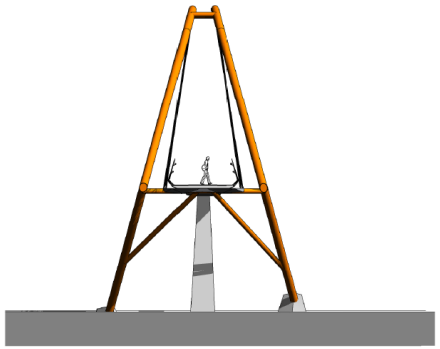

KEY:
Native canopy planting
NB: Mix varies: coastal and basalt rock forest ecotypes, refer notes
Riparian planting, refer notes
Grass
Specimen planting
Proposed future rail corridor
Median 'highlight' planting
Noise wall
Creek centre line
Safety netting
Motorway buffer planting
Carpark amenity planting
Exposed aggregate concrete parking bays
Construction footprint
Adjacent property boundary
SH 20
VALONIA ST
VALONIA ST
WHITTLE PL
M1
M2
M3
M4
M5
M6
M7
M8
M9
M10
M11
M12
M13
1
2
3
4
5
6
7
8

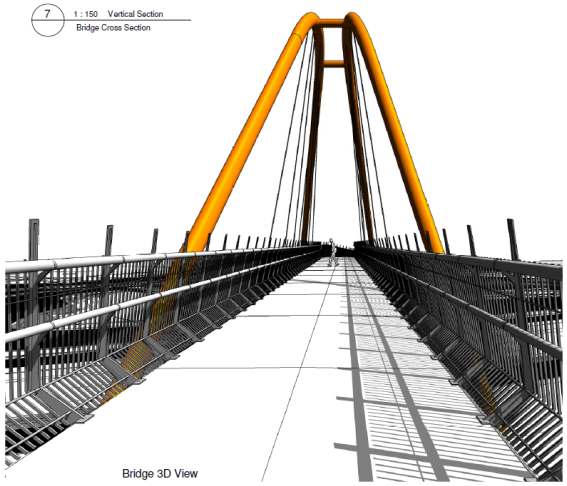
Cycle / Pedestrian

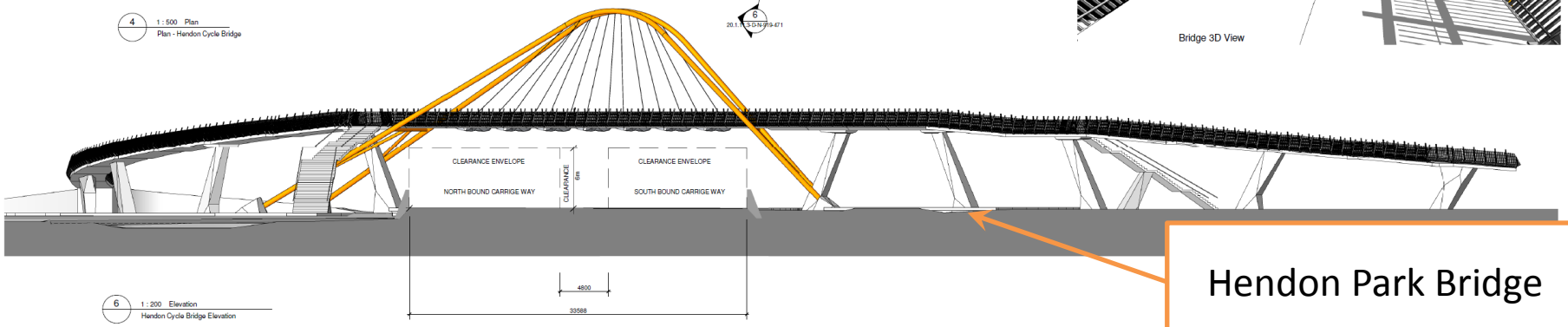
- 3m wide Cycle / Pedestrian Way
- Alongside ‘open road’ sections
- Connecting to Valonia Reserve
- Hendon Park Bridge











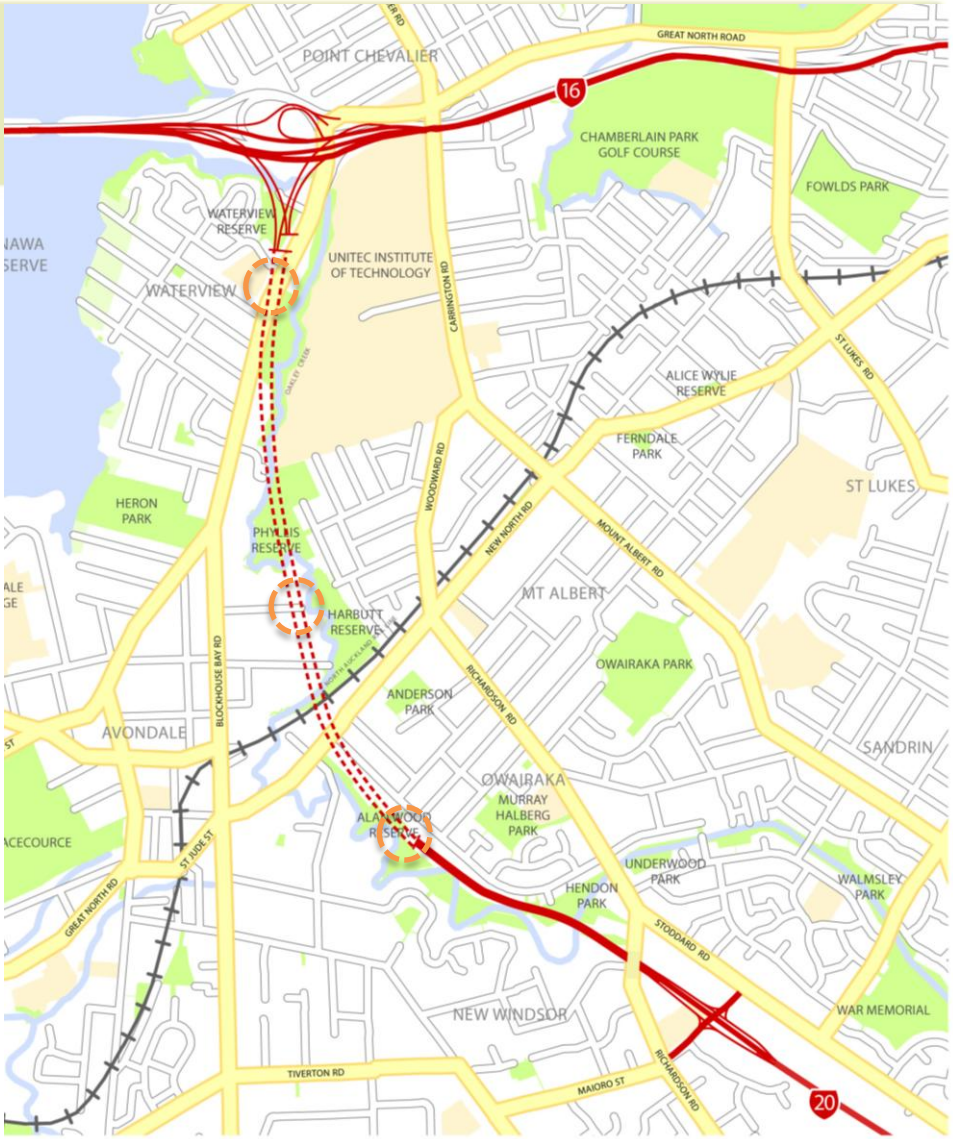
Hendon Park Bridge

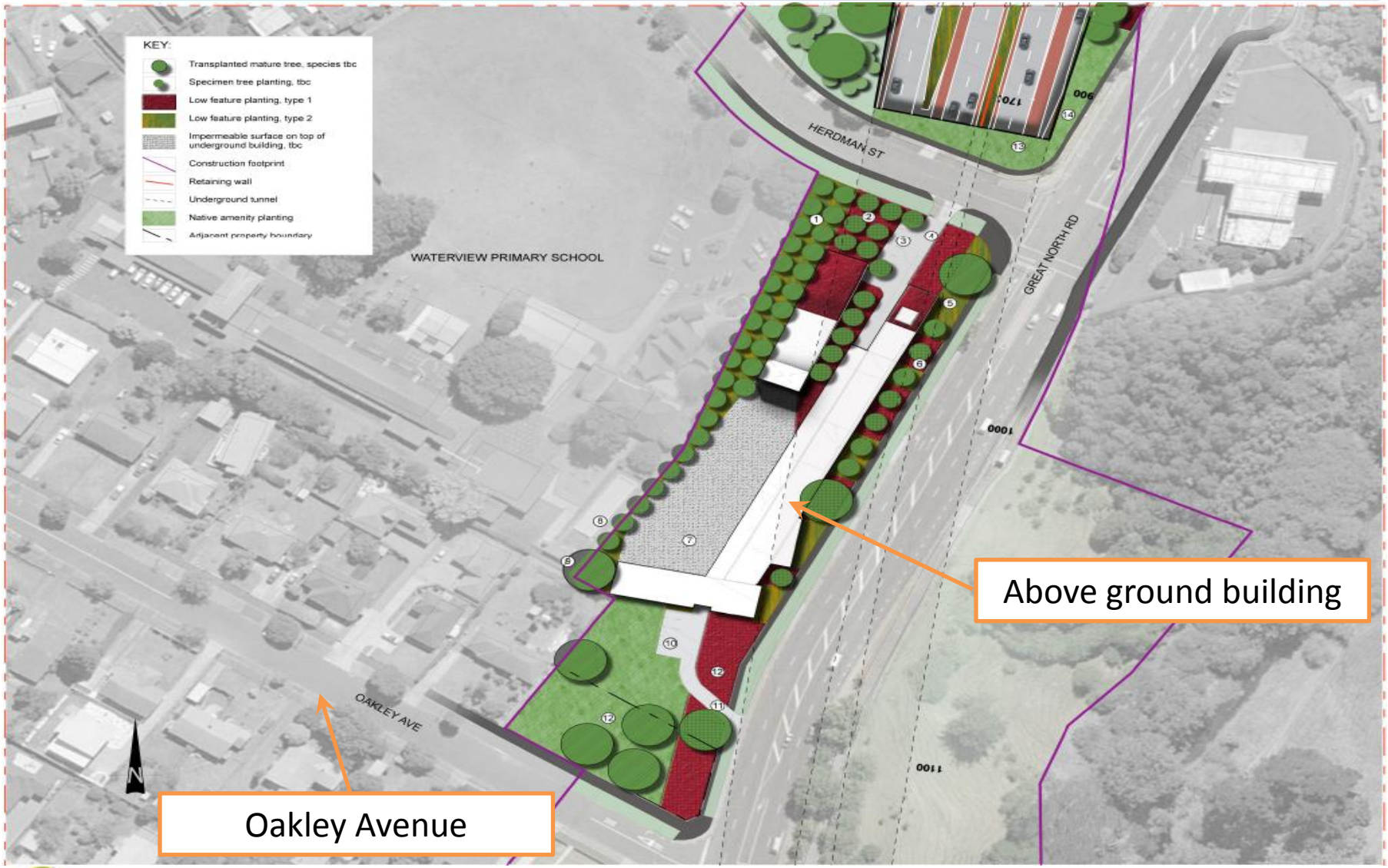
Existing View

Visual Simulation

Ventilation & Stacks

- Northern Ventilation Building and Stack
- Cradock Emergency Stack
- Southern Ventilation Building and Stack




KEY:
Transplanted mature tree, species tbc
Specimen tree planting, tbc
Low feature planting, type 1
Low feature planting, type 2
Impermeable surface on top of underground building, tbc
Construction footprint
Retaining wall
Underground tunnel
Native amenity planting
Adjacent property boundary
WATERVIEW PRIMARY SCHOOL
HERDMAN ST
GREAT NORTH RD
OAKLEY AVE
N
Above ground building
Oakley Avenue

Existing View

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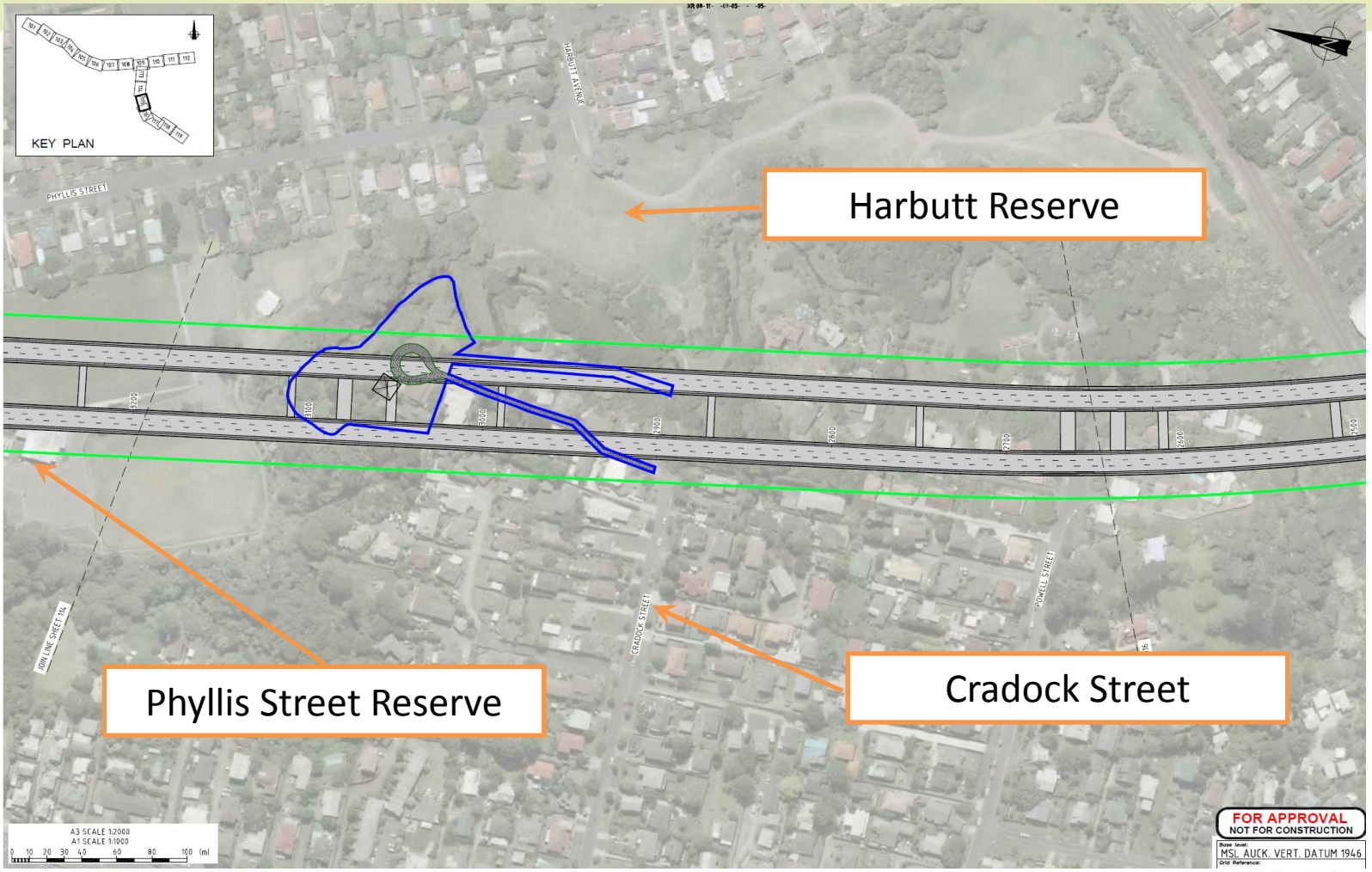
View from Waterview Primary School

New Zealand Government

Existing View

Emergency Vent




HENDON AVENUE
AVONDALE
MOTOR CAMP
M1
M2
M3
KEY:
Native canopy planting
NB: Mix varies: coastal and basalt rock forest ecotypes, refer notes
Riparian planting, refer notes
Grass
Specimen planting
Ball netting
Existing vegetation retained
Proposed future rail corridor
Creek centre line
SH20 portal safety rail
Safety fencing
Construction footprint
Adjacent property boundary
Central median paving (tbc)
Open space severed by project, refer notes

Existing View

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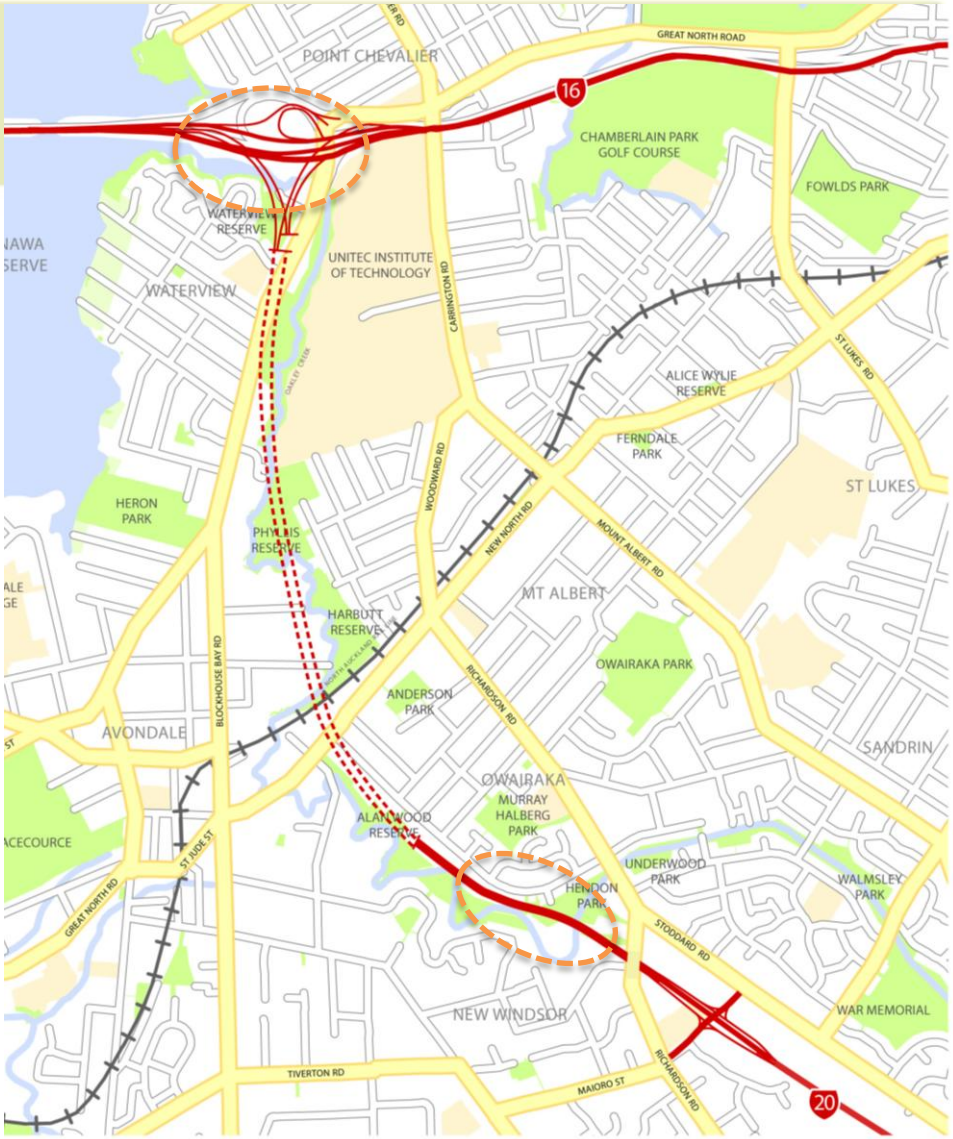
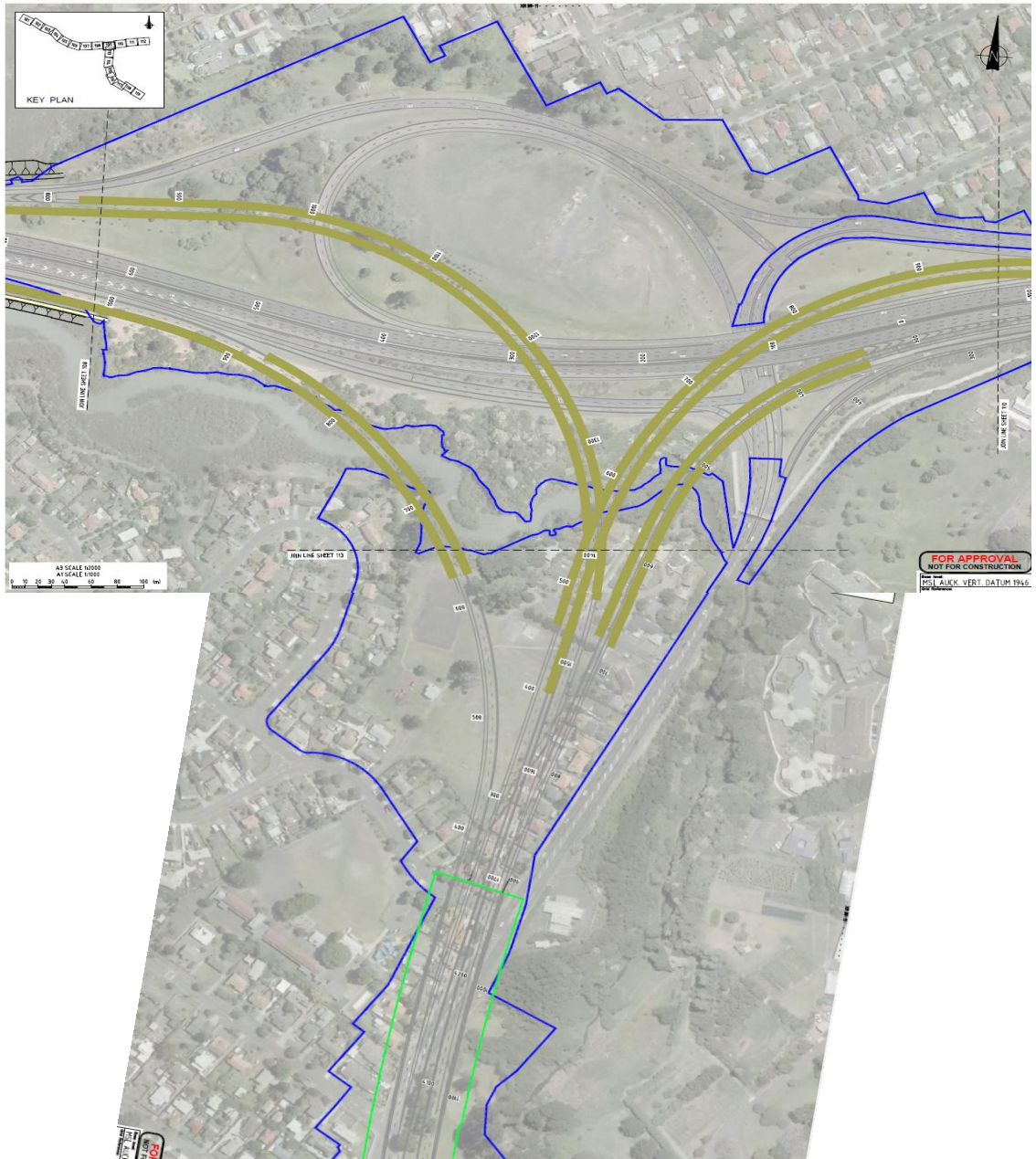
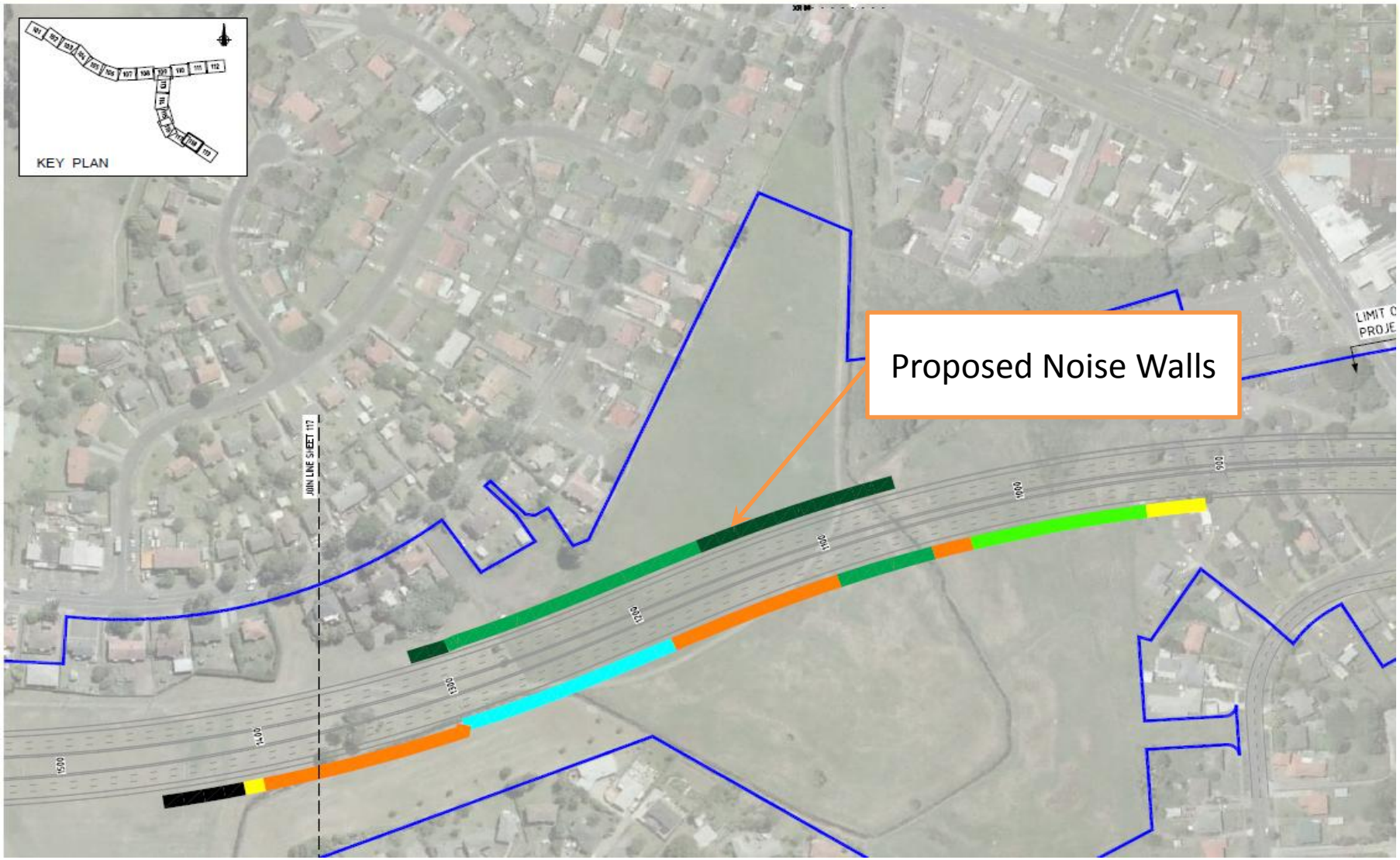
Noise Mitigation

- Road Surfacing
- Noise Barriers and Bunds
- House Treatment
- Construction and Operation Standards



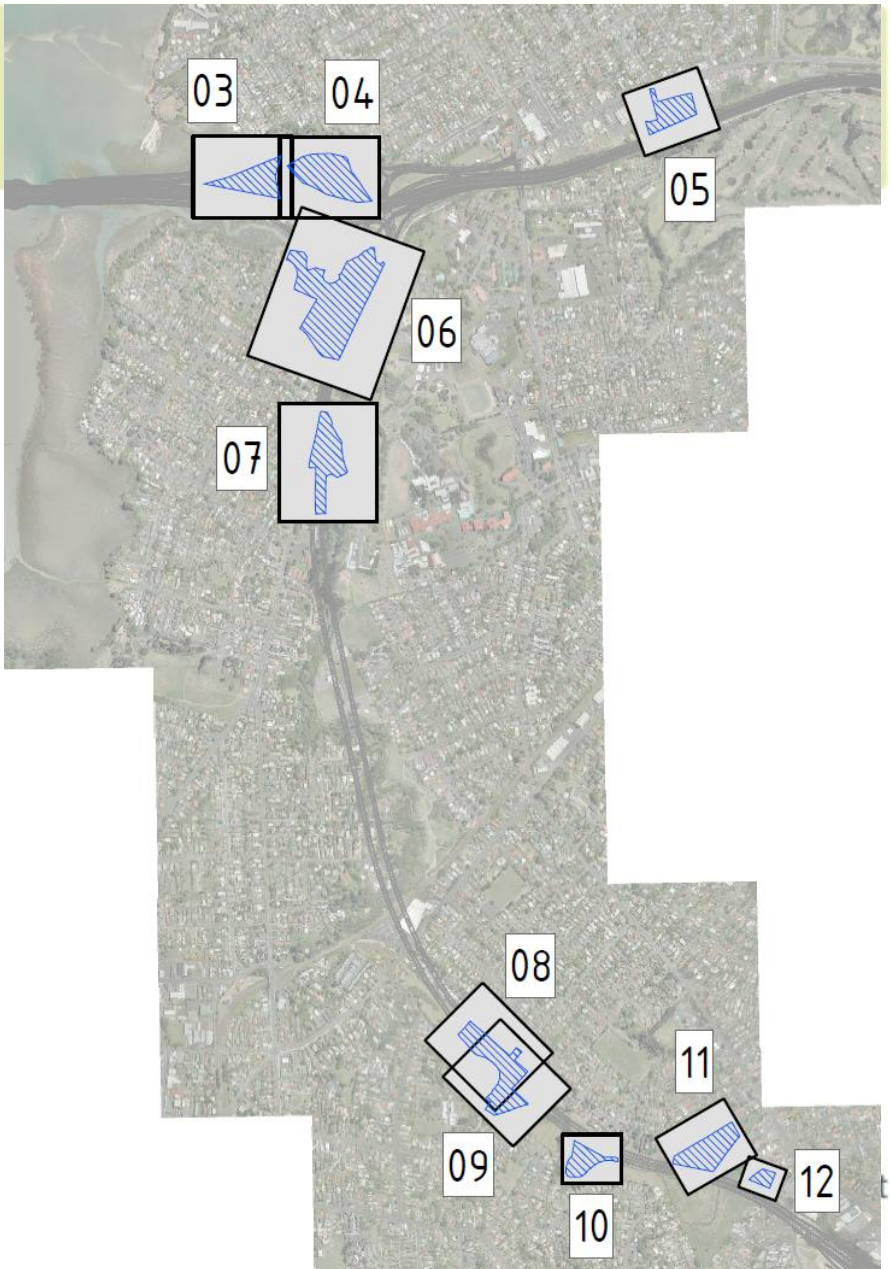

KEY PLAN
FOR APPROVAL
NOT FOR CONSTRUCTION


KEY PLAN
Proposed Noise Walls
JOIN LINE SHEET 117

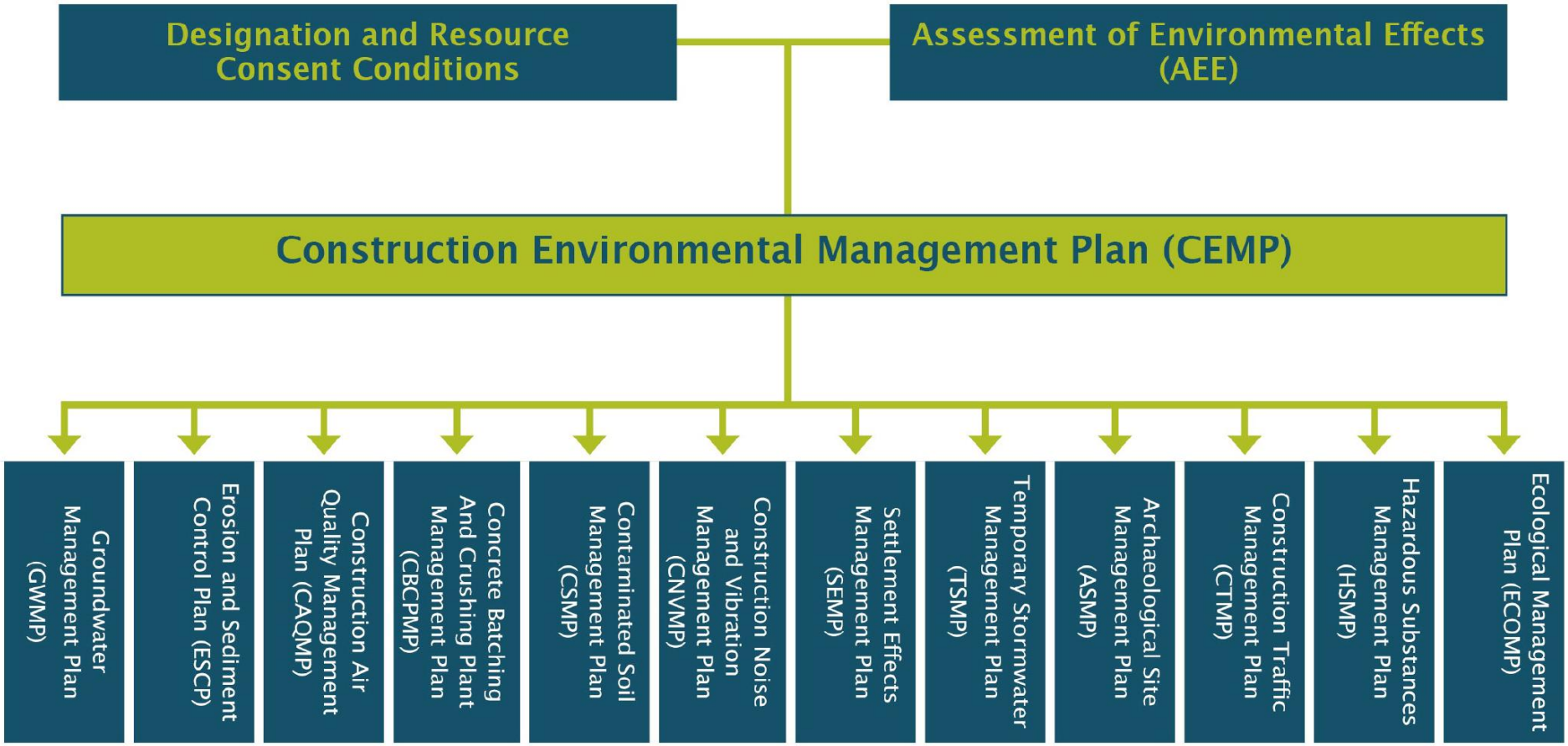
Existing View

Construction

- Construction Environmental Management Plan
  - Hours of Operation
  - Noise and Vibration Limits
  - Site Access and Activities
  - Community liaison group



Construction Management



Other Environmental Assessments

Air Quality	Archaeology	Avian (birds)
Noise (construction & operation)	Land & Groundwater Contamination	Traffic (temporary and operation)
Lighting	Herpetofauna (lizards)	Ground Settlement
Social Impacts	Marine Ecology	Vibration
Vegetation	Stormwater & Streams	Visual and Landscape
Erosion and Sediment	Environmental Management	

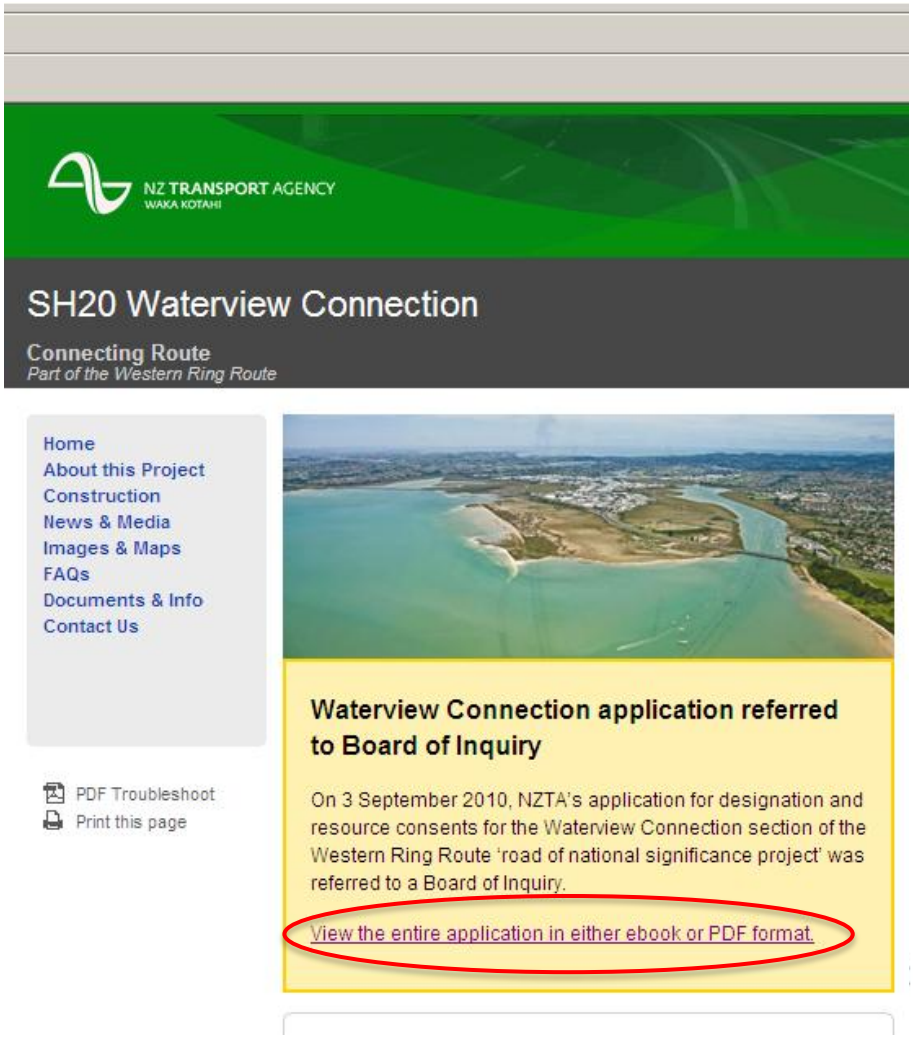
Application Overview

7 Notices of Requirement (the land needed for project)

54 Resource Consents

Paper Copies of Information Available

www.waterviewconnection.co.nz



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Waterview Connection

EPA Lodgement Documents and Supporting Information

Wednesday, September 08, 2010

Welcome

The NZTA has applied for designation and resource consents for the Waterview Connection section of the Western Ring Route Road of national Significance project.

This application is under the new national consenting process through the Environmental Protection Authority(EPA). It is the first roading project to use this new one step process for projects of national significance.

The NZTA application seeks approval to construct 5km of new state highway connecting SH20 with SH16. Of this 2km will be constructed as 2 x 3-lane tunnels. In addition, capacity improvement works to SH16 will be carried out, including widening and raising the causeway, adding an additional lane and bus shoulder between Henderson Creek and St Lukes interchange and additional pedestrian and cycle ways. The Waterview Connection is the 'missing link' that completes the Western Ring Route'.

On 3 September 2010, NZTA's application was referred to a Board of Inquiry. The timetable for this process will be published by the EPA.

This is the largest and most complex roading project to be processed under the Resource Management Act. The NZTA is committed to continuing to work with the public and affected parties as the project develops. This site contains all of the documents that make up the application in both ebook and pdf format.

Once completed, the Western Ring Route will provide a strategic 48km route through Auckland that reduces dependency on SH1 and the Auckland Harbour Bridge. It improves connectivity between the west of Auckland and the south and between the north and the southern isthmus. It also provides a motorway link from the airport to the Auckland City centre. A completed Western Ring Route will stimulate economic growth within the region.

For questions on how to make a submission or anything related to the EPA process please visit www.epa.govt.nz.

Summary

Provides a summary of the application and a description of the project and conclusions of the Assessment of Environmental Effects. This is a good place to start for an overview of the project.

Click to view Summary

Assessment of Effects

Here you can find out more about the pontential effects of the project on the environment and community. This includes a description about the project, and assessment of the actual and potential effects, the alternatives considered, an assessment of the planning documents and the measures identified to avoid, remedy or mitigate the effects.

Click to view Assessment of Effects

Plans and Drawings

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Waterview Connection

EPA Lodgement Documents and Supporting Information

Thursday, September 09, 2010

Home | Summary | Assessment of Effects | Plans and Drawings | Technical Reports | Applications | Affected Properties

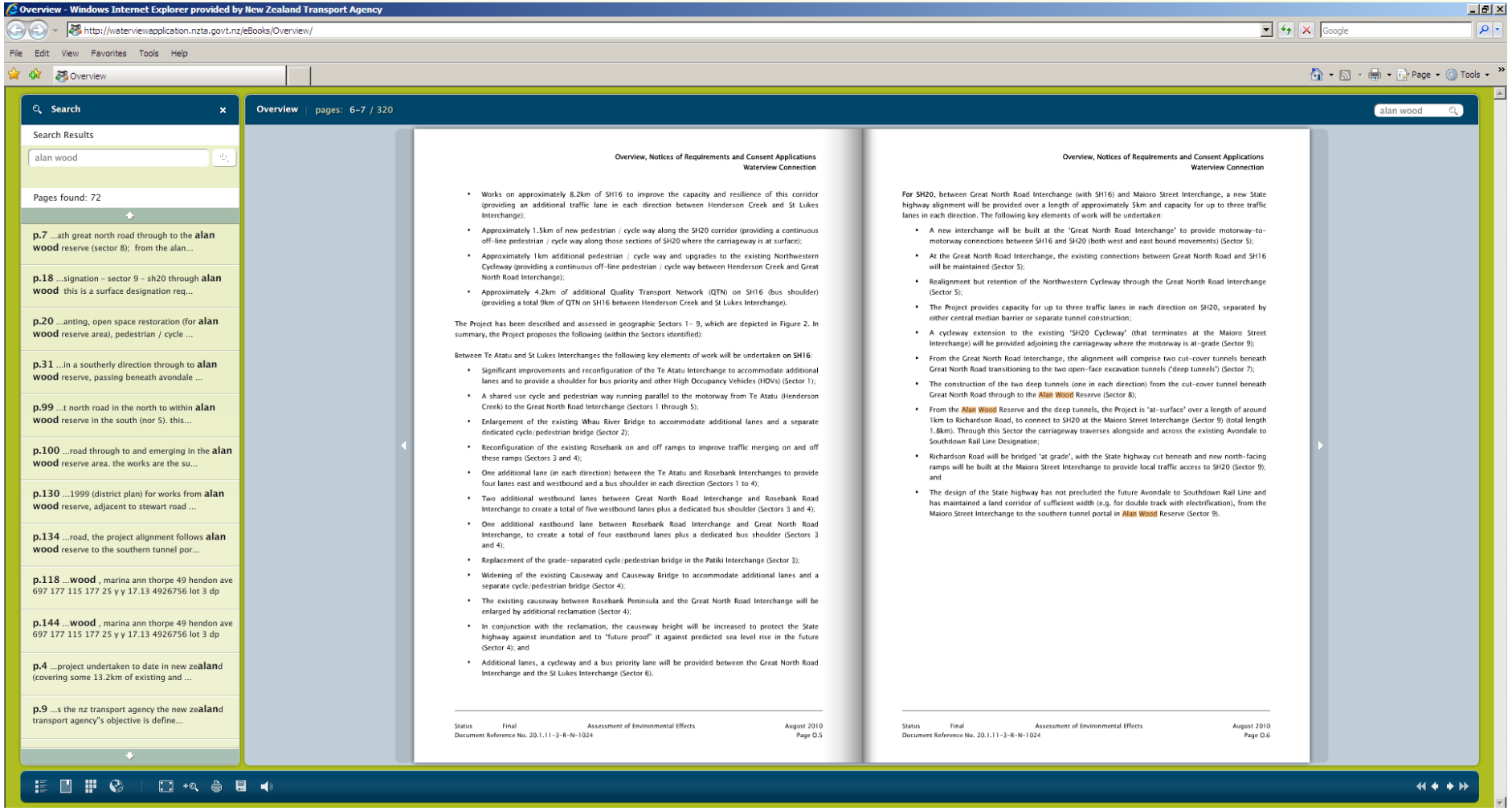
Summary

Login

Overview

Ebooks are great for fast and easy use and the quality is great for review purposes. To view the document in an ebook simply click on the ebook link. If you require the document in high quality for printing or for viewing, click on the PDF link for a higher resolution.

1. Overview — ebook PDF


Overview - Windows Internet Explorer provided by New Zealand Transport Agency
http://waterviewapplication.nzta.govt.nz/eBooks/Overview/
File Edit View Favorites Tools Help
Overview
Search
Search Results
alan wood
Pages found: 72
p.7 ...ath great north road through to the alan wood reserve (sector 8); from the alan...
p.18 ...signation - sector 9 - sh20 through alan wood this is a surface designation req...
p.20 ...anting, open space restoration (for alan wood reserve area), pedestrian / cycle ...
p.31 ...in a southerly direction through to alan wood reserve, passing beneath avondale ...
p.99 ...t north road in the north to within alan wood reserve in the south (nor 5). this...
p.100 ...road through to and emerging in the alan wood reserve area. the works are the su...
p.130 ...1999 (district plan) for works from alan wood reserve, adjacent to stewart road ...
p.134 ...road, the project alignment follows alan wood reserve to the southern tunnel por...
p.118 ...wood , marina ann thorpe 49 hendon ave 697 177 115 177 25 y y 17.13 4926756 lot 3 dp
p.144 ...wood , marina ann thorpe 49 hendon ave 697 177 115 177 25 y y 17.13 4926756 lot 3 dp
p.4 ...project undertaken to date in new zealand (covering some 13.2km of existing and ...
p.9 ...s the nz transport agency the new zealand transport agency"s objective is define...
Overview pages: 6-7 / 320
alan wood
Overview, Notices of Requirements and Consent Applications
Waterview Connection
• Works on approximately 8.2km of SH16 to improve the capacity and resilience of this corridor (providing an additional traffic lane in each direction between Henderson Creek and St Lukes Interchange);
• Approximately 1.5km of new pedestrian / cycle way along the SH20 corridor (providing a continuous off-line pedestrian / cycle way along those sections of SH20 where the carriageway is at surface);
• Approximately 1km additional pedestrian / cycle way and upgrades to the existing Northwestern Cycleway (providing a continuous off-line pedestrian / cycle way between Henderson Creek and Great North Road Interchange);
• Approximately 4.2km of additional Quality Transport Network (QTN) on SH16 (bus shoulder) (providing a total 9km of QTN on SH16 between Henderson Creek and St Lukes Interchange).
The Project has been described and assessed in geographic Sectors 1- 9, which are depicted in Figure 2. In summary, the Project proposes the following (within the Sectors identified):
Between Te Atatu and St Lukes Interchanges the following key elements of work will be undertaken on SH16:
• Significant improvements and reconfiguration of the Te Atatu Interchange to accommodate additional lanes and to provide a shoulder for bus priority and other High Occupancy Vehicles (HOVs) (Sector 1);
• A shared use cycle and pedestrian way running parallel to the motorway from Te Atatu (Henderson Creek) to the Great North Road Interchange (Sectors 1 through 5);
• Enlargement of the existing Whau River Bridge to accommodate additional lanes and a separate dedicated cycle/pedestrian bridge (Sector 2);
• Reconfiguration of the existing Rosebank on and off ramps to improve traffic merging on and off these ramps (Sectors 3 and 4);
• One additional lane (in each direction) between the Te Atatu and Rosebank Interchanges to provide four lanes east and westbound and a bus shoulder in each direction (Sectors 1 to 4);
• Two additional westbound lanes between Great North Road Interchange and Rosebank Road Interchange to create a total of five westbound lanes plus a dedicated bus shoulder (Sectors 3 and 4);
• One additional eastbound lane between Rosebank Road Interchange and Great North Road Interchange, to create a total of four eastbound lanes plus a dedicated bus shoulder (Sectors 3 and 4);
• Replacement of the grade-separated cycle/pedestrian bridge in the Patiki Interchange (Sector 3);
• Widening of the existing Causeway and Causeway Bridge to accommodate additional lanes and a separate cycle/pedestrian bridge (Sector 4);
• The existing causeway between Rosebank Peninsula and the Great North Road Interchange will be enlarged by additional reclamation (Sector 4);
• In conjunction with the reclamation, the causeway height will be increased to protect the State highway against inundation and to "future proof" it against predicted sea level rise in the future (Sector 4); and
• Additional lanes, a cycleway and a bus priority lane will be provided between the Great North Road Interchange and the St Lukes Interchange (Sector 6).
Status Final Assessment of Environmental Effects August 2010
Document Reference No. 20.1.11-3-R-N-1024 Page O.5
Overview, Notices of Requirements and Consent Applications
Waterview Connection
For SH20, between Great North Road Interchange (with SH16) and Maioro Street Interchange, a new State highway alignment will be provided over a length of approximately 5km and capacity for up to three traffic lanes in each direction. The following key elements of work will be undertaken:
• A new interchange will be built at the 'Great North Road Interchange' to provide motorway-to-motorway connections between SH16 and SH20 (both west and east bound movements) (Sector 5);
• At the Great North Road Interchange, the existing connections between Great North Road and SH16 will be maintained (Sector 5);
• Realignment but retention of the Northwestern Cycleway through the Great North Road Interchange (Sector 5);
• The Project provides capacity for up to three traffic lanes in each direction on SH20, separated by either central median barrier or separate tunnel construction;
• A cycleway extension to the existing 'SH20 Cycleway' (that terminates at the Maioro Street Interchange) will be provided adjoining the carriageway where the motorway is at-grade (Sector 9);
• From the Great North Road Interchange, the alignment will comprise two cut-cover tunnels beneath Great North Road transitioning to the two open-face excavation tunnels ("deep tunnels") (Sector 7);
• The construction of the two deep tunnels (one in each direction) from the cut-cover tunnel beneath Great North Road through to the Alan Wood Reserve (Sector 8);
• From the Alan Wood Reserve and the deep tunnels, the Project is 'at-surface' over a length of around 1km to Richardson Road, to connect to SH20 at the Maioro Street Interchange (Sector 9) (total length 1.8km). Through this Sector the carriageway traverses alongside and across the existing Avondale to Southdown Rail Line Designation;
• Richardson Road will be bridged 'at grade', with the State highway cut beneath and new north-facing ramps will be built at the Maioro Street Interchange to provide local traffic access to SH20 (Sector 9); and
• The design of the State highway has not precluded the future Avondale to Southdown Rail Line and has maintained a land corridor of sufficient width (e.g. for double track with electrification), from the Maioro Street Interchange to the southern tunnel portal in Alan Wood Reserve (Sector 9).
Status Final Assessment of Environmental Effects August 2010
Document Reference No. 20.1.11-3-R-N-1024 Page O.6

Process from Here

EPA National Consenting Process

Public Meeting 23 September 2010 (Owairaka School)

'Friend of the Submitter'

Submissions can be made online

Copies of forms available

See www.epa.govt.nz

EPA Dates

EPA Presentation - 23 Sept. 7-9pm Owairaka School

'Friend of the Submitter' Meetings

Date	Location	Time
29 September	Owairaka School	5 – 9 pm
02 October	Avondale Library	10am – 2pm
04 October	Waterview School	5 – 9 pm
07 October	Owairaka School	5 – 9 pm
09 October	Te Atatu Library	10am – 2pm
11 October	Pt Chevalier Library	10am – 2pm
12 October	Central Library	10am – 2pm
13 October	Waterview School	5 – 9 pm
14 October	Owairaka School	5 – 9 pm
15 October	Avondale Library	10am – 2pm

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Roads of national significance

16 20

Completing the
Western Ring Route

Thank You

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