

Project Update

for the

**Community Liaison Group Meeting #2
20 February 2013**

Agenda

- Welcome and introductions
- CLG and project background
- Causeway Upgrade Project
- Te Atatu Road bus interchange
- Community liaison
- Discussion

Community Liaison Groups (CLGs)

- NZTA has customer service focus – illustrated by Victoria Park tunnel and Newmarket Viaduct project communications
- Facilitate flow of communication to and from you
- Meet three monthly (CLG # 1 meeting 8 Nov 2012)
- Purpose is to:
 - “ Provide a regular forum through which information about the project can be provided to the community and an opportunity for concerns or issues to be raised”
- Separate meetings for site or issue specific details

Waterview Connection – SH 16



Note: Location of dashed boundary lines are indicative only.

Causeway – Waterview to Te Atatu



Overall programme - overview

- Causeway Alliance formed (alliance between NZTA, Leighton Contractors NZ, Fulton Hogan, SKM, AECOM, Coffey Geotechnical) to deliver project
- Causeway construction starts early 2013
- Te Atatu Interchange tendering underway
- Te Atatu Interchange starts late 2013
- Both projects due to be completed by late 2016
- Waterview tunnels open early 2017

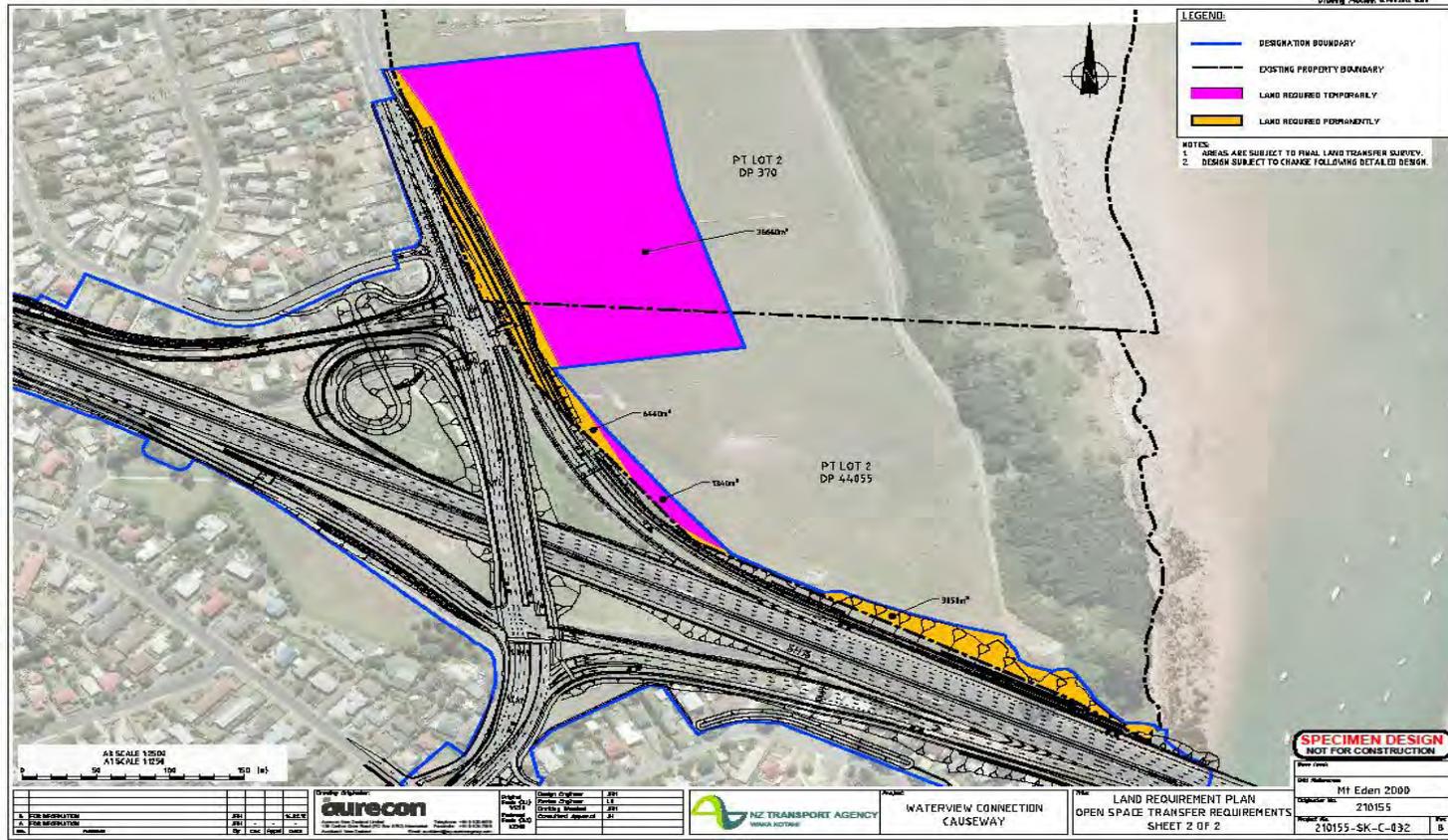
Causeway Upgrade – progress update

- Geotechnical investigations nearly complete
- Obtaining approvals for widening Causeway to the north (asymmetrical)
- Identifying areas for potential cost savings
- Progressing the design
- Developing management plans
- Reviewing programme

Causeway Upgrade – early works start dates

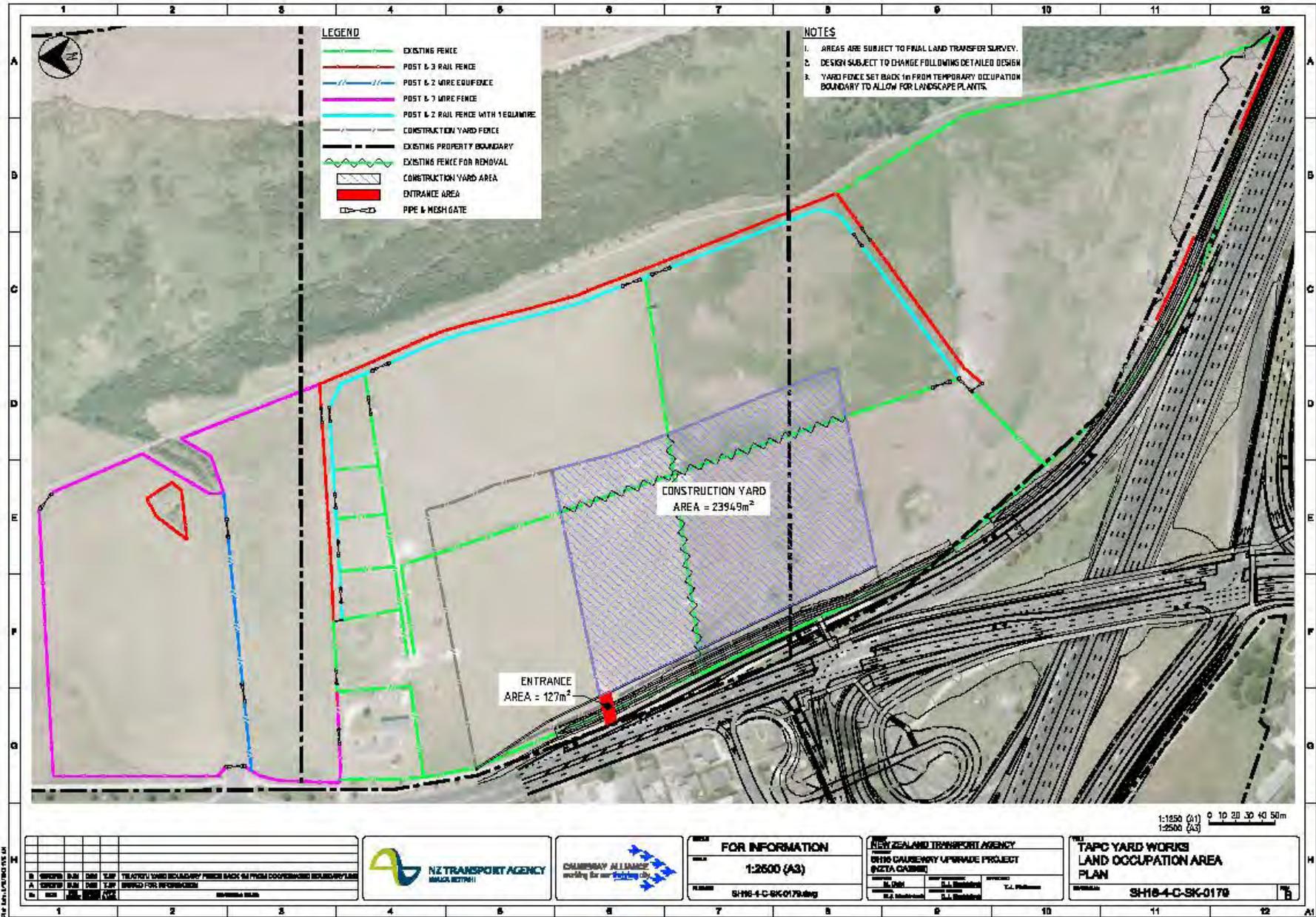
- Te Atatu Pony Club – accommodation work (Feb '13)
- Te Atatu Construction Yard – establish yard (March '13)
- Northern Traherne Island – create access (April '13)
- Whau bridge – create access (April '13)
- Rosebank Domain – traffic management (April '13)
- Great North Road – widen westbound onramp (May '13)
- Causeway – widen and raise (mid 2013)

Construction Yard & Offices – Te Atatu Road



Causeway and Te Atatu Upgrade Projects

COMPLETING THE WESTERN RING ROUTE ROAD OF NATIONAL SIGNIFICANCE



100% COMPLETE A3
 100% COMPLETE A1

NO.	DESCRIPTION	DATE	BY	REVISION
1	ISSUED FOR PERFORMANCES			
2	FOR INFORMATION			



FOR INFORMATION

SCALE: 1:2500 (A3)

PLAN NO: SH16-4-C-SK-0179.dwg

NEW ZEALAND TRANSPORT AGENCY

ORINO CAMBERAY UPGRADE PROJECT
(S22A C2000)

DATE: 12/11/2016
BY: J.L. Phillips
CHECKED: J.L. Phillips

TAPC YARD WORKS
LAND OCCUPATION AREA
PLAN

REVISION: SH16-4-C-SK-0179

The look of the yard and offices

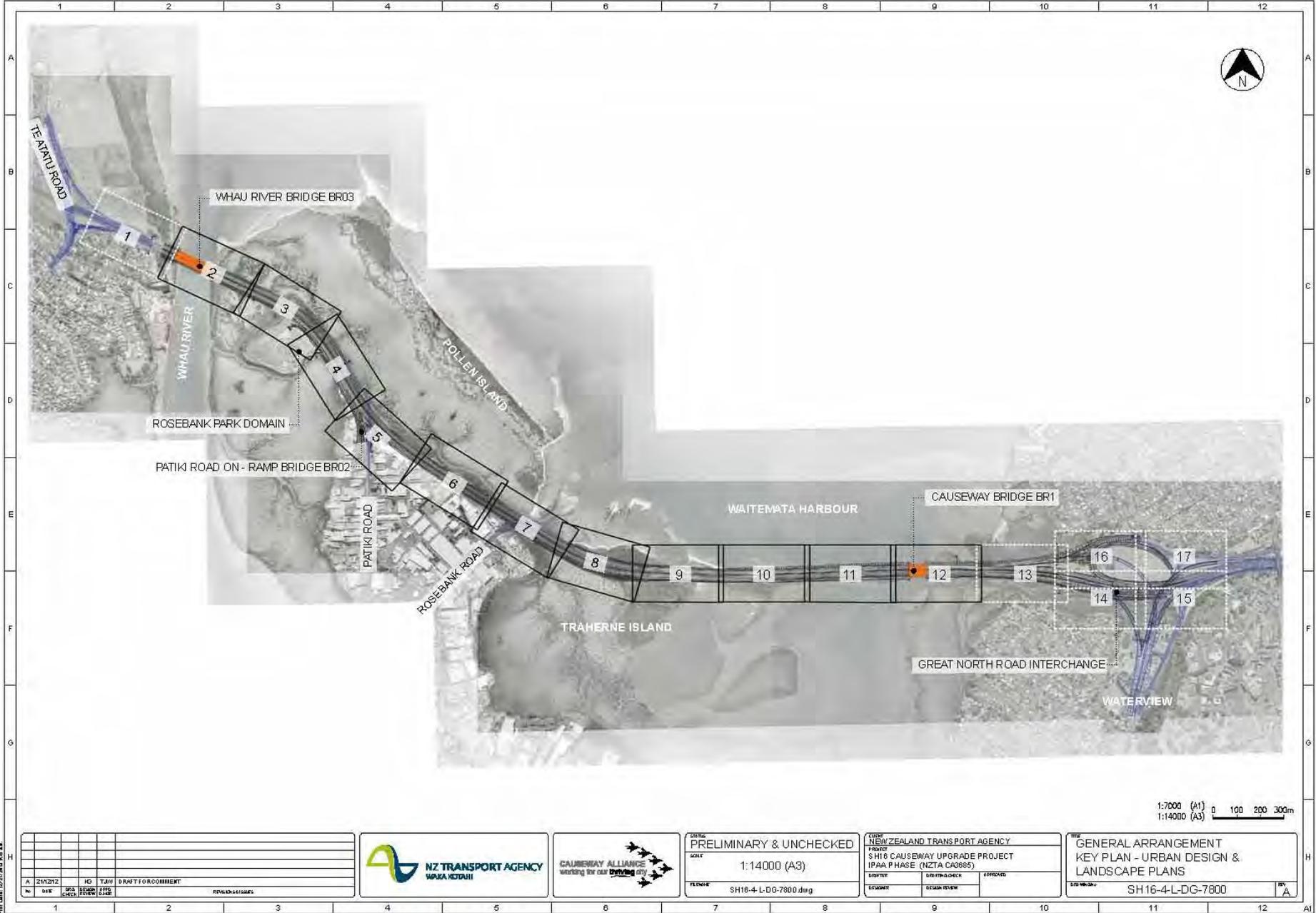
- Solid 2.4 m high plywood noise wall perimeter fence
- Landscape planting along Te Atatu Road
- Council approved and monitored management plans for noise, traffic, lighting and environment
- Restricted vehicle movements at peak hour
- Working closely with Te Atatu Pony Club
- New fenced paddocks developed north of current paddocks (opposite petrol station)

Causeway-landscape & urban design principles

- Celebrate the coastal experience - respond to the unique natural and built landscapes, minimise impacts
- Create landscape gateways – accentuate coastal edges, interchanges
- Scale of project – relate to landscape and structures
- Promote continuity – similar to other parts of WRR
- Distinctive identity – colours and finishes
- Have structures which integrate functionality, design

Causeway–landscape & urban design features

- Reduced ‘widened’ embankment width – reduced by 13m
- Shared pedestrian/cycleway path – 3m wide on existing bridges, instead of on separate bridge structures
- Reduced retaining walls at Rosebank peninsula
- Shared path on raised boardwalk alongside motorway opposite Oakley Creek inlet – reduces coastal realignment
- Patiki on-ramp bridge – shared path under on-ramp, instead of via an over bridge



1:7000 (A1)
1:14000 (A3) 0 100 200 300m

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No.	DATE	DESIGN CHECK	DESIGN CHECK	DESIGN CHECK	REVISIONS/ISSUES
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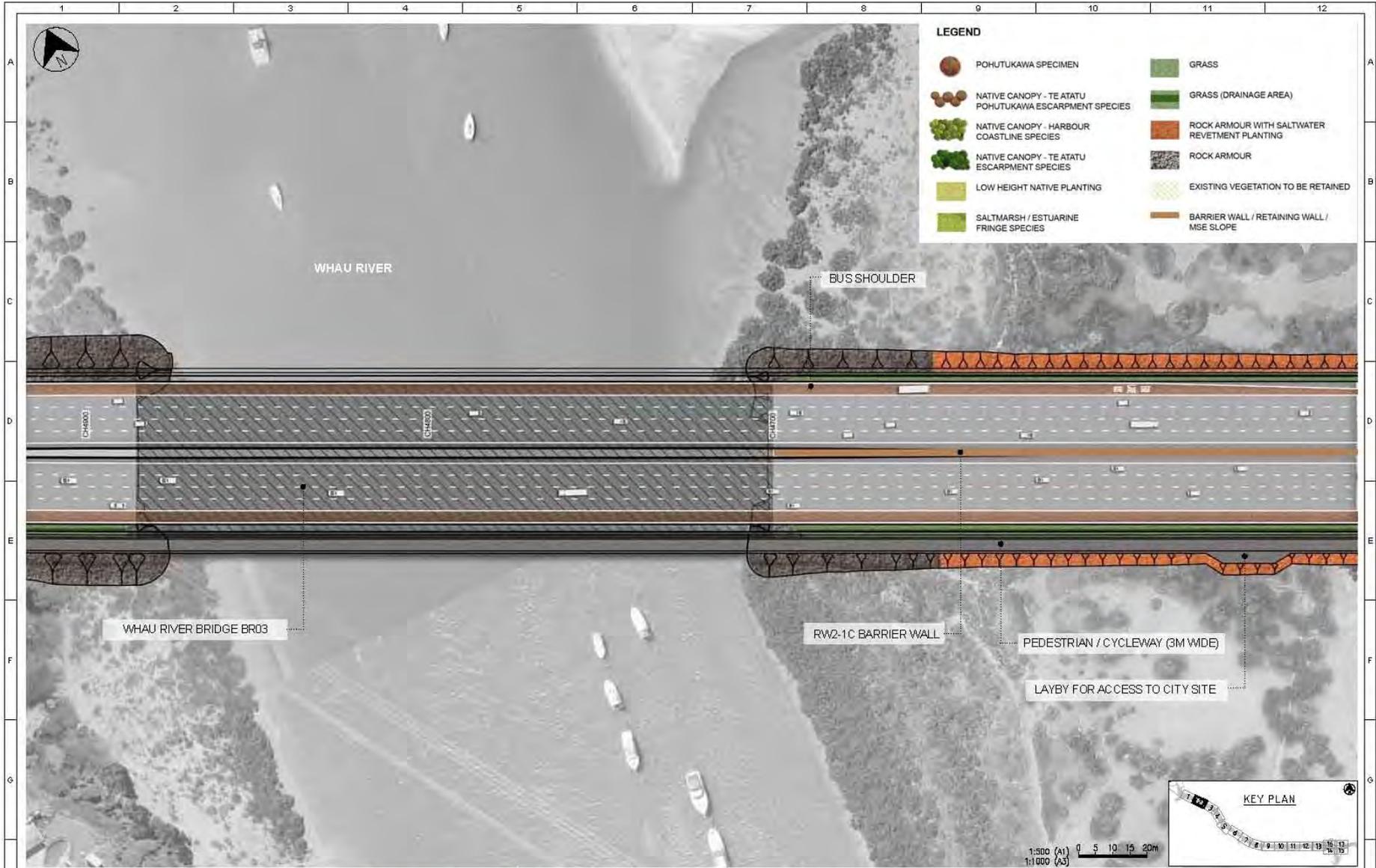
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CLIENT: NEW ZEALAND TRANSPORT AGENCY		
PROJECT: SH16 CAUSEWAY UPGRADE PROJECT		
IPAA PHASE (NZTA CA0885)		
DATE: 21/12/12	SITE PLAN CHECK:	ISSUED:
DESIGNER:	DESIGN REVIEW:	

GENERAL ARRANGEMENT
KEY PLAN - URBAN DESIGN &
LANDSCAPE PLANS
DRAWING: SH16-4-L-DG-7800

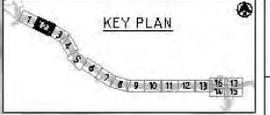
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FILE NAME: SH16-DG-7800.dwg



LEGEND

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	NATIVE CANOPY - HARBOUR COASTLINE SPECIES		ROCK ARMOUR WITH SALTWATER REVETMENT PLANTING
	NATIVE CANOPY - TE ATATU ESCARPMENT SPECIES		ROCK ARMOUR
	LOW HEIGHT NATIVE PLANTING		EXISTING VEGETATION TO BE RETAINED
	SALTMARSH / ESTUARINE FRINGE SPECIES		BARRIER WALL / RETAINING WALL / MSE SLOPE



File Date: 12/01/2018 10:48 AM

NO	DATE	BY	REASON	STATUS



STAGE: PRELIMINARY & UNCHECKED
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NEW ZEALAND TRANSPORT AGENCY		
PROJECT: SH16 CAUSWAY UPGRADE PROJECT		
IPAA PHASE (NZTA CA0885)		
DATE:	DESIGNED BY:	APPROVED:
TICKED OFF:	DESIGN REVIEW:	

TYPE: URBAN DESIGN & LANDSCAPE PLANS
 SHEET 2
 DRAWING NO: SH16-4-L-DG-7802
 EXP: A



LEGEND

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	NATIVE CANOPY - HARBOUR COASTLINE SPECIES		ROCK ARMOUR WITH SALTWATER REVETMENT PLANTING
	NATIVE CANOPY - TE ATATU ESCARPMENT SPECIES		ROCK ARMOUR
	LOW HEIGHT NATIVE PLANTING		EXISTING VEGETATION TO BE RETAINED
	SALTMARSH / ESTUARINE FRINGE SPECIES		BARRIER WALL / RETAINING WALL / MSE SLOPE

NO	REV	DATE	BY	CHKD	APPD	DESCRIPTION



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PROJECT: SH16 CAUSWAY UPGRADE PROJECT IPAA PHASE E (NZTA CA0885)		
DATE: 10/01/2023	DESIGNER: [Name]	APPROVED: [Name]
DESIGNED BY: [Name]	CHECKED BY: [Name]	SCALE: AS SHOWN

URBAN DESIGN & LANDSCAPE PLANS
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File Date: 10/01/2023 04:14 PM



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	NATIVE CANOPY - HARBOUR COASTLINE SPECIES
	NATIVE CANOPY - TE ATATU ESCARPMENT SPECIES
	LOW HEIGHT NATIVE PLANTING
	SALTMARSH / ESTUARINE FRINGE SPECIES
	GRASS
	GRASS (DRAINAGE AREA)
	ROCK ARMOUR WITH SALTWATER REVEGETATION PLANTING
	ROCK ARMOUR
	EXISTING VEGETATION TO BE RETAINED
	BARRIER WALL / RETAINING WALL / MSE SLOPE

RW2-5B SOLDIER PILE WALL

RW2-5A SOLDIER BARRIER WALL

PEDESTRIAN / CYCLEWAY AT GRADE (3M WIDE)

RACEWAY SERVICE LANE

RW2-1B BARRIER WALL

ROSEBANK PARK DOMAIN

BUS SHOULDER



File Date: 12/01/2018 04:14:14

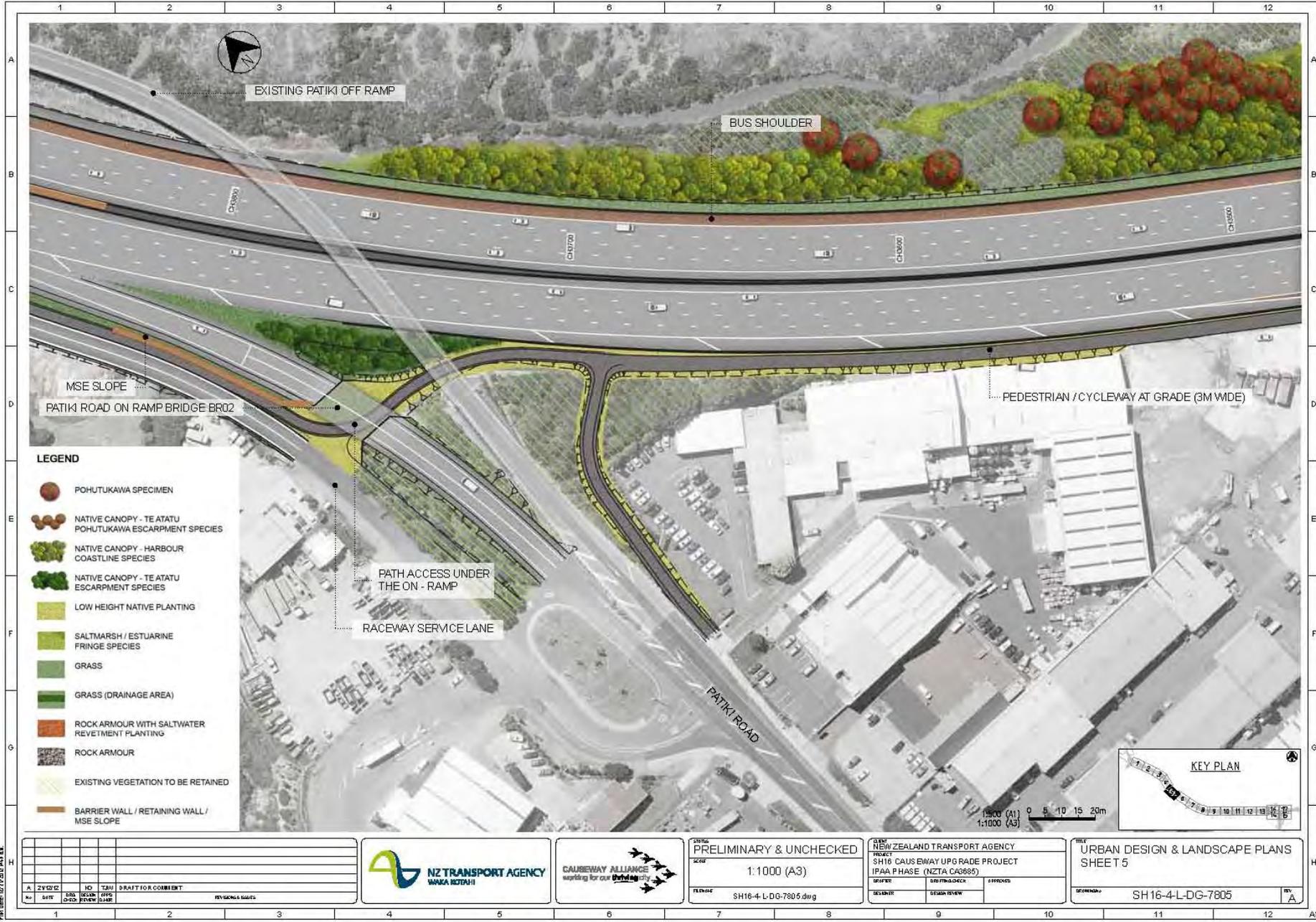
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NEW ZEALAND TRANSPORT AGENCY	SH16 CAUSWAY UPGRADE PROJECT	
	IPAA PHASE E (NZTA CA0885)	

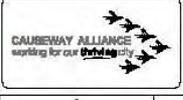
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LEGEND

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-  NATIVE CANOPY - TE ATATU
POHUTUKAWA ESCARPMENT SPECIES
-  NATIVE CANOPY - HARBOUR
COASTLINE SPECIES
-  NATIVE CANOPY - TE ATATU
ESCARPMENT SPECIES
-  LOW HEIGHT NATIVE PLANTING
-  SALTMARSH / ESTUARINE
FRINGE SPECIES
-  GRASS
-  GRASS (DRAINAGE AREA)
-  ROCK ARMOUR WITH SALTWATER
REVEGETMENT PLANTING
-  ROCK ARMOUR
-  EXISTING VEGETATION TO BE RETAINED
-  BARRIER WALL / RETAINING WALL /
MSE SLOPE

NO.	DATE	BY	CHKD.	APPD.	REVISED	REVISIONS & COMMENTS



STATUS: PRELIMINARY & UNCHECKED
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IPAA PHASE (NZTA CA0685)		
DRAWN:	DESIGN CHECK:	APPROVED:
DESIGNED:	DESIGN REVIEW:	

TITLE: URBAN DESIGN & LANDSCAPE PLANS
 SHEET 5
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File Name: URBAN DESIGN

A1



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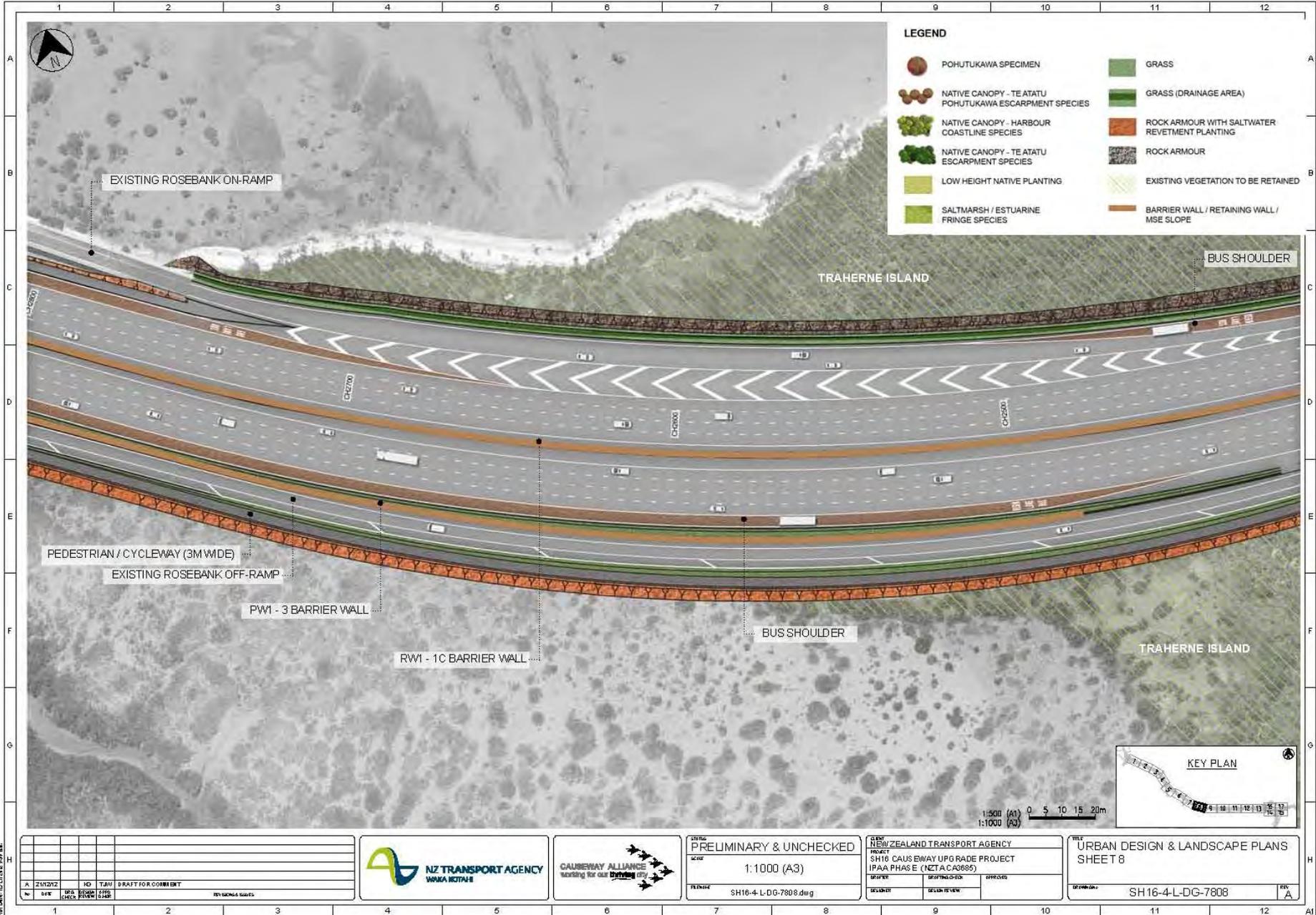
NO.	DATE	BY	REVISION / COMMENTS



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CLIENT: NEW ZEALAND TRANSPORT AGENCY		
PROJECT: SH16 CAUSEWAY UPGRADE PROJECT IP AA PHASE (NZTA CA6885)		
DESIGNER:	DRAWING CODE:	APPROVED:
DESIGNER:	DESIGN REVIEW:	

FILE: URBAN DESIGN & LANDSCAPE PLANS SHEET 6
 DRAWING: SH16-4-L-DG-7806
 REV: A



LEGEND

-  POHUTUKAWA SPECIMEN
-  NATIVE CANOPY - TE ATATU
POHUTUKAWA ESCARPMENT SPECIES
-  NATIVE CANOPY - HARBOUR
COASTLINE SPECIES
-  NATIVE CANOPY - TE ATATU
ESCARPMENT SPECIES
-  LOW HEIGHT NATIVE PLANTING
-  SALTMARSH / ESTUARINE
FRINGE SPECIES
-  GRASS
-  GRASS (DRAINAGE AREA)
-  ROCK ARMOUR WITH SALTWATER
REVETMENT PLANTING
-  ROCK ARMOUR
-  EXISTING VEGETATION TO BE RETAINED
-  BARRIER WALL / RETAINING WALL /
MSE SLOPE

A	ZS/212	HD	TJM	DRAFT FOR COMMENT
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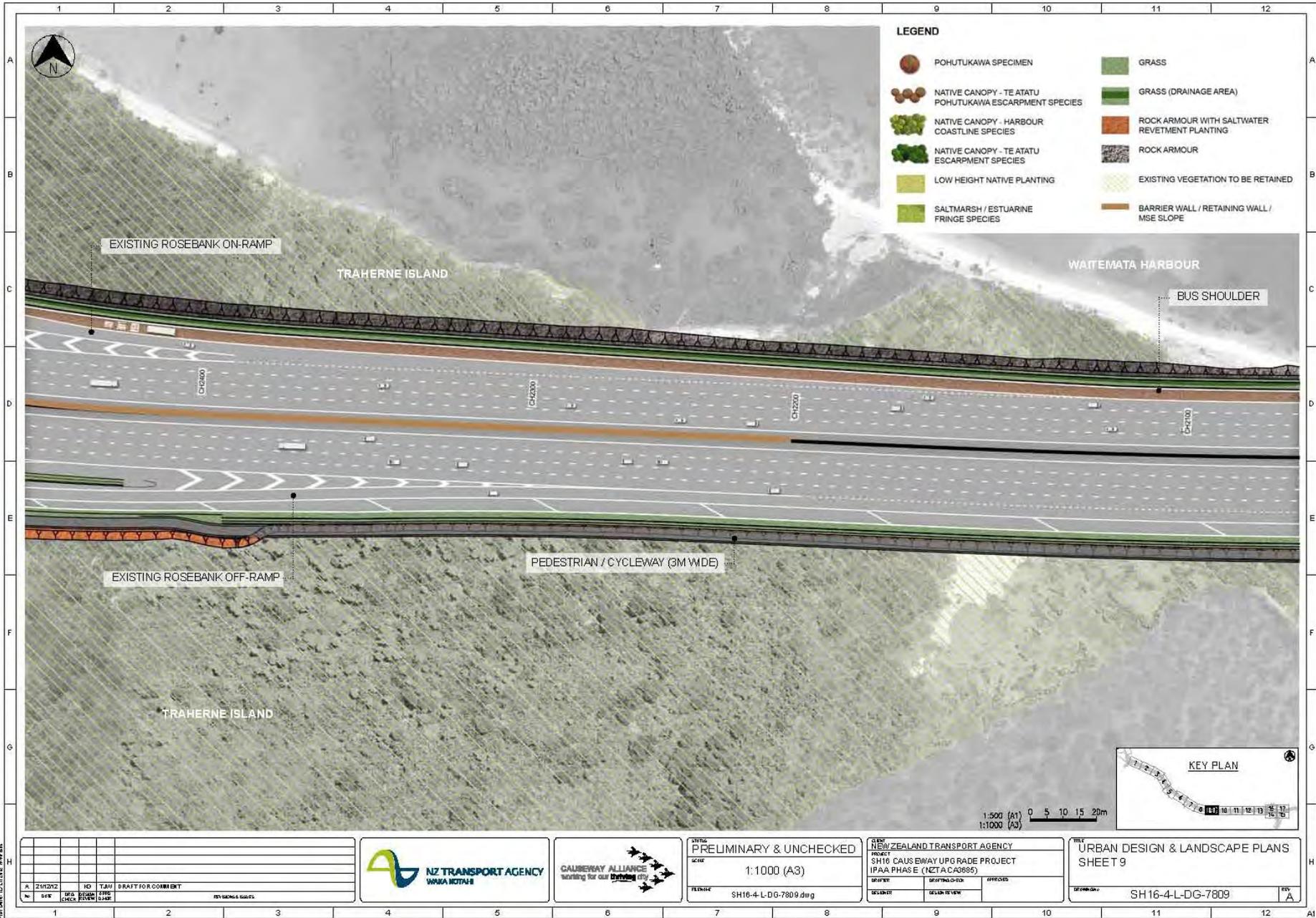


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PROJECT: SH16 CAUSEWAY UPGRADE PROJECT IPAA PHASE E (NZTA CA6885)		
DESIGNER:	DESIGN OFFICE:	APPROVED:
DESIGNED BY:	DESIGN REVIEW:	

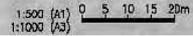
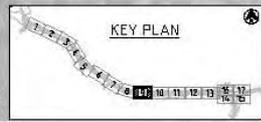
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SHEET 8
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REV: A

File Date: 12/01/2018 10:57 AM



LEGEND

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	NATIVE CANOPY - HARBOUR COASTLINE SPECIES		ROCK ARMOUR WITH SALTWATER REVEGMENT PLANTING
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	LOW HEIGHT NATIVE PLANTING		EXISTING VEGETATION TO BE RETAINED
	SALTMARSH / ESTUARINE FRINGE SPECIES		BARRIER WALL / RETAINING WALL / MSE SLOPE



NO	REV	DESCRIPTION	DATE	BY	CHECKED



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PROJECT: SH16 CAUSWAY UPGRADE PROJECT		
IPAA PHASE E (NZTA CA0885)		
DESIGNED BY:	CHECKED BY:	APPROVED BY:

PROJECT: URBAN DESIGN & LANDSCAPE PLANS
 SHEET 9
 DRAWING NO: SH16-4-L-DG-7809
 REV: A

File Date: 12/01/2018 10:58 AM



FILE NO: SH16-4-L-DG-7811

NO.	DATE	BY	CHKD	APP'D	STATUS
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STATUS: PRELIMINARY & UNCHECKED

SCALE: 1:1000 (A3)

FILENAME: SH16-4-L-DG-7811.dwg

NEW ZEALAND TRANSPORT AGENCY		
PROJECT: SH16 CAUSEWAY UPGRADE PROJECT		
IPAA PHASE (NZTA CA3955)		
DRAWN BY:	CHECKED BY:	APPROVED BY:

LANDSCAPING PLAN SHEET 11

DRAWN BY: SH16-4-L-DG-7811

REV: A

1 2 3 4 5 6 7 8 9 10 11 12



TRAHERNE ISLAND

RW1 -1 B STEPPED MEDIAN BARRIER

BUS SHOULDER

CAUSEWAY BRIDGE BR01

PEDESTRIAN / CYCLEWAY (3M WIDE)

BOARDWALK (3M WIDE)

LEGEND

-  POHUTUKAWA SPECIMEN
-  GRASS
-  NATIVE CANOPY - TE ATATU POHUTUKAWA ESCARPMENT SPECIES
-  GRASS (DRAINAGE AREA)
-  NATIVE CANOPY - HARBOUR COASTLINE SPECIES
-  ROCK ARMOUR WITH SALTWATER REVETMENT PLANTING
-  NATIVE CANOPY - TE ATATU ESCARPMENT SPECIES
-  ROCK ARMOUR
-  LOW HEIGHT NATIVE PLANTING
-  EXISTING VEGETATION TO BE RETAINED
-  SALTMARSH / ESTUARINE FRINGE SPECIES
-  BARRIER WALL / RETAINING WALL / MSE SLOPE



1:500 (A1)
1:1000 (A3)

File Date: 12/01/2018 10:11:58 AM

A	24/12/12	HD	TJM	DRAFT FOR COMMENT	
No	DATE	DESIGNER	CHECKED	DATE	BY SIGNATURE
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NEW ZEALAND TRANSPORT AGENCY		
PROJECT: SH16 CAUSEWAY UPGRADE PROJECT		
IPAA PHASE 2 (NZTA CA0885)		
DATE:	DESIGN OFFICER:	APPROVED:
12/01/18	TJM	

URBAN DESIGN & LANDSCAPE PLANS
SHEET 12
DRAWING NO: SH16-4-L-DG-7812
REV: A

1 2 3 4 5 6 7 8 9 10 11 12

A1

Patiki on ramp bridge – shared path underpas



Patiki on ramp - underpass (westbound view towards Te Atatu)



Te Atatu - now





Te Atatu Road Interchange

New bus facilities

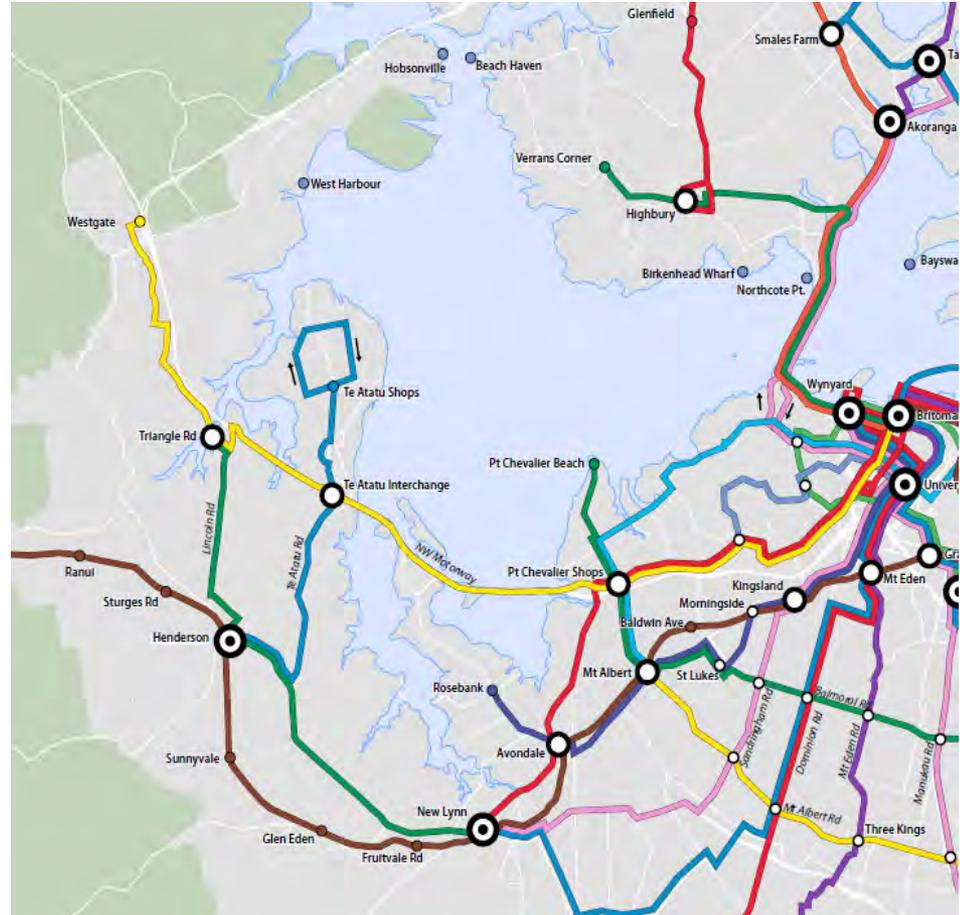
February 2013

Overview

- Recent developments in regional bus network
- New bus-bus interchange required at Te Atatu Rd motorway interchange
- Options for facilities
- Integration with motorway interchange upgrade
- Seek workshop with interested stakeholders

Strategic Context

- New *Regional Public Transport Plan*
- Simpler, more effective network
- Requires new interchanges at key points



Existing

Monday – Friday

- 15 minute frequency to City in peak
- 60 minute frequency to City off-peak
- 60 minute frequency to Henderson

Saturday

- Hourly service to both City and Henderson

Sunday

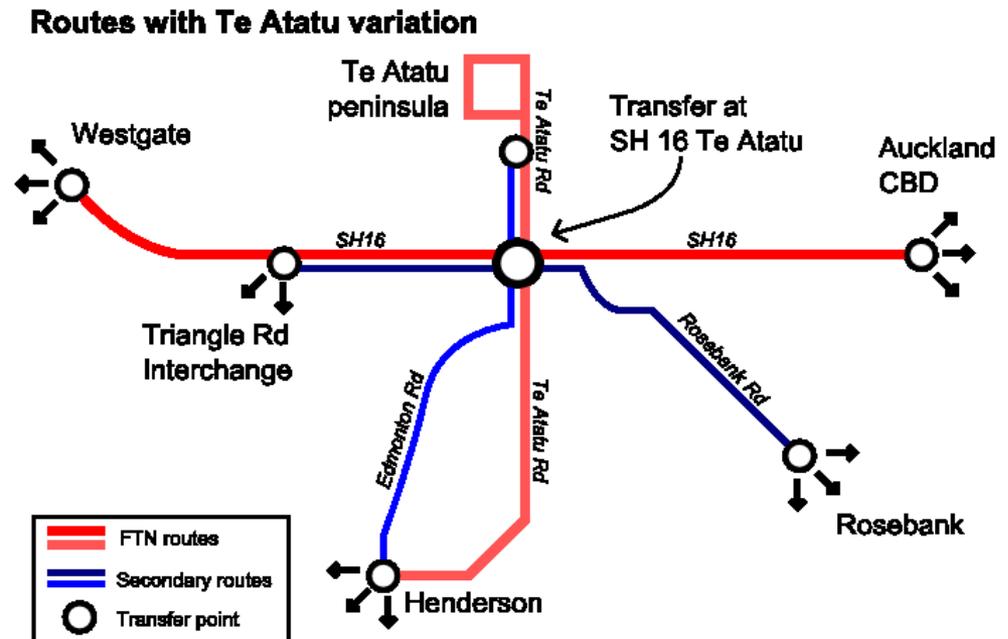
- Two hourly service to both City and Henderson



Future

Monday – Sunday

- 15 minute frequency to City all-day, 7 days – connect at Interchange
- Additional direct service to City in peak periods on weekdays
- 15 minute frequency to Henderson all-day, 7 days – direct
- 15 minute frequency to Westgate all-day, 7 days – connect at Interchange



Bus interchange issues

- New concept for NZ
- Not within previous motorway interchange design
- Critical for success of new bus network
- High quality facility required
- Safety and pedestrian amenity are vital, as is meeting BOI consent requirements
- Possible future busway a consideration
- Scattered bus stops within interchange inadequate

What it is not

Buildings, park and ride, large expanses of concrete



Constellation Bus Station – Northern Busway, Auckland

What it could be

Shelters, planting, footpaths



Springwood Bus Interchange – Brisbane, QLD

Original Location options



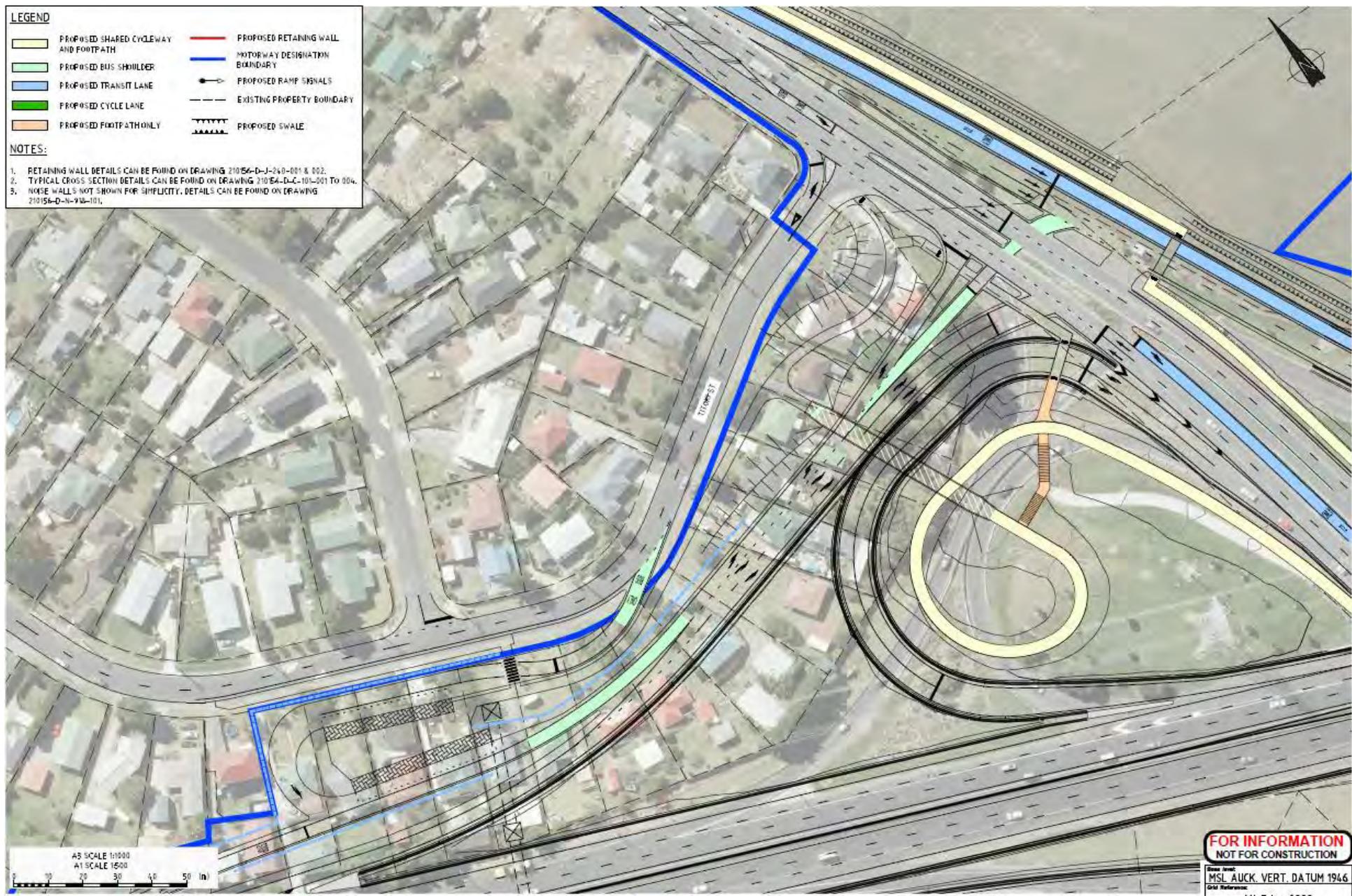
Preferred Option

LEGEND

 PROPOSED SHARED CYCLEWAY AND FOOTPATH	 PROPOSED RETAINING WALL
 PROPOSED BUS SHOULDER	 MOTORWAY DESIGNATION BOUNDARY
 PROPOSED TRANSIT LANE	 PROPOSED RAMP SIGNALS
 PROPOSED CYCLE LANE	 EXISTING PROPERTY BOUNDARY
 PROPOSED FOOTPATH ONLY	 PROPOSED SWALE

NOTES:

1. RETAINING WALL DETAILS CAN BE FOUND ON DRAWING 21056-D-J-240-001 & 002.
2. TYPICAL CROSS SECTION DETAILS CAN BE FOUND ON DRAWING 21056-D-C-105-001 TO 004.
3. NOISE WALLS NOT SHOWN FOR SIMPLICITY, DETAILS CAN BE FOUND ON DRAWING 21056-D-N-916-101.



AS SCALE 1:1000
A1 SCALE 1:500
0 10 20 30 40 50 (m)

**FOR INFORMATION
NOT FOR CONSTRUCTION**

Base level:
MSL AUCK. VERT. DATUM 1946
Old Reference:

Affected Properties



 RESIDENTIAL PROPERTIES EXPOSED TO INTERCHANGE COMPONENTS

 RESIDENTIAL PROPERTIES LIKELY TO BE SUBJECT TO MORE SIGNIFICANT VISUAL AND AMENITY EFFECTS ASSOCIATED WITH THE INTERCHANGE

Visualisation – 11 Titoki St



BEFORE - Looking from 11 Titoki Street



Visualisation – 15 Titoki St



BEFORE - Looking from 15 Titoki Street



AFTER - Looking from 15 Titoki Street

Visualisation – 7 Titoki St



b r o w n

Existing View



Visual Simulation

Ongoing work

- Modeling of intersection
- Finalise design
- Develop local area transport plan
- Develop SAR for NZTA funding and AC consenting
- Consenting process
- Aiming to align with and make it part of NZTA's programme

Liaison with the community

- Community Liaison Group (CLG) meetings
- Signage and ph 0800 4 HIGHWAYS (0800 44 44 49)
- Email updates (in progress)
- Project website (in progress)
- Communication of upcoming work- flyers, advertising
- Separate meetings for site or issue specific details
- Dedicated community liaison staff

For more information...

- Causeway Upgrade Project:
 - kevin.stevens@sh16causeway.co.nz
 - mob 021 242 3885
- Te Atatu Upgrade Project:
 - Chandra.Perera@nzta.govt.nz
 - Ph 928 8707, mob 027 218 6975
- Proposed Bus Interchange:
 - simon.milner@aucklandtransport.govt.nz
 - Ph 447 4896
- Board of Inquiry – technical reports and consents:
 - <http://www.nzta.govt.nz/projects/wrr/publications-archive-enquiry.html>.

Summary

- The SH16 Causeway and Te Atatu Interchange Upgrades are an integral part of the Western Ring Route
- The Alliance is working on detailed design to reduce environmental impacts and community disruption
- Construction Yard and site access due to commence
- NZTA and AT are working closely on bus interchange
- NZTA, AT and the Causeway Alliance are committed to working with the community through the CLG

Questions



16 Causeway and Te Atatu Upgrade Projects

COMPLETING THE WESTERN RING ROUTE ROAD OF NATIONAL SIGNIFICANCE