

# NOTICE OF REQUIREMENT FOR ALTERATION OF A DESIGNATION

November 2022

Waka Kotahi NZ Transport Agency  
Designation 6740 and Designation 6766



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## Notice of Requirement for Alteration of a Designation Under Section 181 of the Resource Management Act 1991

To: Auckland Council  
Private Bag 92300  
Victoria Street West  
Auckland 1142

From: Waka Kotahi NZ Transport Agency  
Private Bag 106602,  
Auckland 1143

Pursuant to Section 181 (1) of the Resource Management Act 1991 (RMA) Waka Kotahi NZ Transport Agency (Waka Kotahi) gives notice of its requirement to alter a designation. Waka Kotahi is a network utility operator approved as a requiring authority under Section 167 RMA. The relevant Gazette Notices are:

- Resource Management (Approval of Transit New Zealand as Requiring Authority) Order 1992 (NZ Gazette, Notice Number 1994-go1500) – and refer Schedule 2, Clause 29 of the Land Transport Management Act 2003 which confirms that the order applies to NZ Transport Agency – these confirm the NZ Transport Agency as a requiring authority for the construction and operation (including the maintenance, improvement, enhancement, expansion, realignment, and alteration) of any state highway or motorway
- Resource Management (Approval of NZ Transport Agency as a Requiring Authority) Notice 2015 (NZ Gazette, Notice Number 2015-go6742) – this confirms the NZ Transport Agency as a requiring authority for the purpose of constructing or operating (or proposing to construct or operate) and maintaining cycleways and shared paths.

The legal name for Waka Kotahi as a Requiring Authority is the New Zealand Transport Agency. Our corporate name Waka Kotahi is used throughout this notice.

### **The designation to be altered, and the nature of the alteration is as follows:**

The designations to be altered are designation reference 6740 and 6766 in the Auckland Unitary Plan – Operative in Part 2016 (AUP:OP).

The Requiring Authority listed for the designations in the AUP:OP is New Zealand Transport Agency.

Designation 6740 'State Highway 16 – North end of Fred Taylor Drive to Ngongetepara Stream, Brigham Creek' in the AUP:OP covers SH16 between Brigham Creek Road roundabout and the Brigham Creek Culvert. There is no stated designation purpose and no lapse date as the designation has been given effect to. There is one condition on this existing designation relating to earthworks management. The proposed works between these points will extend beyond the existing designation extent, on both the northern and southern side of the existing road corridor. These works will require an alteration to

Designation 6740 to include the proposed area of land requirement. Designation 6740 will also expand and overlap a small portion of Designation 1468 held by Auckland Transport.

Designation 6766 'State Highway 16 - Hobsonville to Wellsford' in the AUP:OP extends over SH16 from Brigham Creek, Hobsonville to SH1 Wellsford. The designated purpose is "State Highway 16" and there are no conditions nor lapse date on this existing designation. The proposed works between Brigham Creek and Kumeū will extend beyond the existing designation extent, on both the northern and southern side of the existing road corridor. These works will require an alteration to Designation 6766 to include the proposed area of land requirement.

**The site to which the requirement applies is as follows:**

The proposed alteration to the designations is a change to the purpose of the designation such that both Designation 6740 and Designation 6766 are for the purpose of "State Highway 16". This will apply to all land within the designation.

The area of the proposed alteration to the designation boundary is shown on the Designation Plans included in **Attachment A** of this Notice. The requirement applies to an area of land of approximately 6.0608 hectares located between Brigham Creek Roundabout and the Kumeū township. The requirement applies to 86 land parcels (including local roads). The land directly affected by the requirement is identified in the Schedule of Directly Affected Property included in **Attachment B** of this Notice.

**The nature of the proposed work is:**

Waka Kotahi is implementing safety measures on high-risk rural state highways to reduce the incidents of deaths and serious injuries. The proposed work involves upgrading SH16 between Brigham Creek Roundabout and Kumeū for safety and efficiency improvements and installing a shared walking and cycling facility along the state highway (hereafter referred to as "the Project"). The Project is described in Section 3 of the accompanying Assessment of Effects on the Environment (AEE) Report.

In summary, the proposed work includes:

- a) Widening of the corridor to accommodate shoulder widening;
- b) Wire rope safety barriers for the median between Brigham Creek Roundabout and Taupaki Road Roundabout;
- c) Side barriers at high risk locations;
- d) Upgrading the Coatesville Riverhead Highway Intersection with SH16 to a two lane roundabout;
- e) Flush median between Taupaki Road Roundabout and the Kumeū township;
- f) Utilities relocations;
- g) 3m wide shared walking and cycling path on the south side of the highway, including new footbridges over Brigham Creek and Kumeū River.
- h) Retaining walls;
- i) Stormwater network improvements for flow management and water quality treatment;
- j) Landscaping; and
- k) Pedestrian crossing facilities.

**The nature of the proposed conditions that would apply are:**

The proposed conditions that would apply are included in **Attachment C** of this Notice.

**The effects that the proposed work will have on the environment, and the ways in which any adverse effects will be mitigated are:**

The effects that the proposed work will have on the environment and how any adverse effects will be mitigated are set out in Section 8 of the AEE Report.

The positive effects of the Project relate to safety improvements along the corridor from the side barriers, median barriers, flush medians and widened shoulders that will assist in reducing the severity of head-on and run-off road accidents. Therefore, reducing the possibility and severity of a crash occurring. The Project will also contribute to improved efficiency of the road corridor with the use of additional lanes to reduce travel times. The Coatesville Riverhead Highway will be upgraded to two lanes and bring the level of services up to a Level of Service A. The installation of the Shared Use Path will improve the usability and safety of the highway and encourage modal shift. The stormwater runoff from the highway is currently not treated. As part of this Project, the majority of new impervious areas and some of the existing highway will be treated.

The potential adverse effects during the construction and operational phases of the Project relate to vegetation loss, community effects, heritage effects, archaeological effects, earthworks, construction noise, ecological effects, transport effects, stormwater effects, landscape and visual effects.

**Alternative sites, routes, and methods have been considered to the following extent:**

The alternative sites, routes and methods that have been considered are set out in Section 6 of the AEE Report and found in further detail in AEE Report Appendix D – Alternatives Assessment Report. In summary, these have included:

- Various safety treatments along the corridor
- Various efficiency improvements along the corridor
- Four intersection options for Coatesville Riverhead Highway
- Three potential locations for the Shared Use Path
- Localised options assessments for:
  - Stormwater design options at Discharge Point 7
  - Noise Mitigation Best Practicable Options Assessment
  - Design interface options at a wetland

**The proposed work and alteration to the designation are reasonably necessary for achieving the objectives of the requiring authority because:**

The objective of Waka Kotahi under Section 94 of the Land Transport Management Act 2003 (LTMA) is *“to undertake its functions in a way that contributes to an effective, efficient, and safe land transport system in the public interest”*.

The objectives of Waka Kotahi for the Project are to:

- Objective 1 –To improve safety on SH16 between Brigham Creek Road and Kumeū

- Objective 2 – To improve efficiency on SH16 between Brigham Creek Road and Kumeū
- Objective 3 – To provide transport infrastructure which supports modal shift.

The proposed work is reasonably necessary for achieving the objectives of Waka Kotahi because it will:

- Reduce the incidents of deaths and serious injuries on the SH16 Brigham Creek to Kumeū corridor
- Improved travel time on SH16 between Brigham Creek and Kumeū
- Increased access and travel choice within the corridor, with a focus on supporting a shift from private vehicle to active modes of travel.

The proposed alteration to two existing designations is reasonably necessary as a planning tool, as it identifies and protects land required for the Project and will enable Waka Kotahi to carry out the proposed work. The principal reasons for requiring an alteration to the designations to facilitate the work to which this requirement relates are:

- It will allow the land required to be identified in the AUP:OP, giving a clear indication of the intended use of the land;
- It will provide certainty for landowners of the intended use of the land and the work to be undertaken at some time in the future; and
- It will protect the land from future development which may otherwise preclude construction of the Project.

**The following resource consents are needed for the proposed activity and have been applied for:**

- Soil disturbance in potentially contaminated land
- Vegetation clearance with 10m of a wetland
- New structures and earthworks around streams and wetlands
- Discharge of water or contaminants associated with the upgrade or removal of network utility infrastructure, and the upgrade or removal of any component of the stormwater network.
- All other diversion and discharge of stormwater runoff from impervious areas not complying with the standards
- Earthworks
- Stormwater treatment
- Vegetation removal

**The following consultation has been undertaken with parties that are likely to be affected:**

All landowners have been written to and provided information on the overall project and specific land requirements for their property. Meetings have been conducted in person with all those landowners that have responded, and consultation is ongoing.

**Supporting Information**

Waka Kotahi submits the following information required to be included in this notice by the district plan, regional plan, or any regulations made under the Resource Management Act 1991.

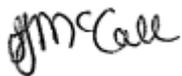
Attachments to the Notice

- Attachment A – Designation Plans
- Attachment B – Schedule of Directly Affected Property
- Attachment C – Proposed Designation Conditions

Accompanying Information

- Assessment of Effects on the Environment
- Supporting Technical Assessment Reports
- Drawing Set
- Assessment of Alternatives Report

Signed by:



**Sonya McCall**

Team Lead, Poutiaki Taiao / Environmental Planning (Auckland/Northland)  
Transport Services  
Pursuant to authority delegated by Waka Kotahi NZ Transport Agency  
18 November 2022

Address for Service:  
Waka Kotahi NZ Transport Agency  
Private Bag 106602,  
Auckland 1143

Attention: Tessa Robins  
Ph: 021 557 568  
E-mail: EnvironmentalPlanning@nzta.govt.nz

**Attachment A** – Designation Plans

**Attachment B** – Schedule of Directly Affected Properties

**Attachment C** – Proposed Designation Conditions

**Attachment A**  
**Designation Plans**



**Legend**

- Affected Parcel Boundary
- Primary Parcel

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Map Scale @ A3: 1:10,000

0 50 100 200 Metres



Revision	Author	Verified	Approved	Date	NZTA Approved	NZTA Date
4	BGP	TTK	GC	08/11/2022		14/11/2022
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1	BGP	DRAFT	DRAFT	06/10/2022		

Title: **Designation Plans Overview Map**

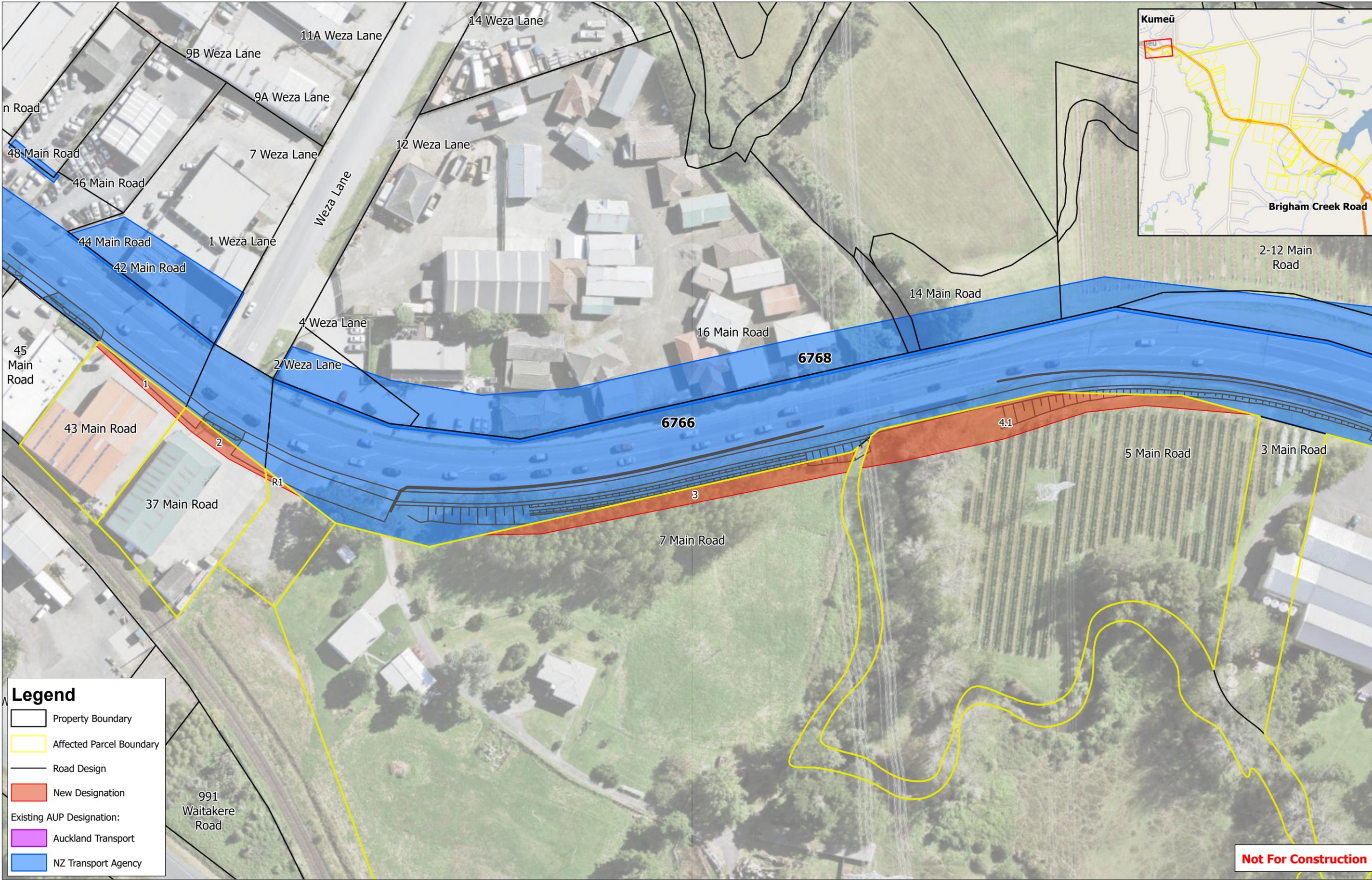
Client: **Waka Kotahi NZ Transport Agency**

Project: **SH16 - SAFETY IMPROVEMENTS STAGE 2 BRIGHAM CREEK TO KUMEŪ**

Discipline: **GIS**

Drawing No: **GIS-3235084-01a**

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\1\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Author: BGP Date: 14/11/2022

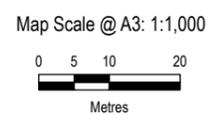


**Legend**

- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation
- Existing AUP Designation:
  - Auckland Transport
  - NZ Transport Agency

**Not For Construction**

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1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 1

**Client:** Waka Kotahi NZ Transport Agency

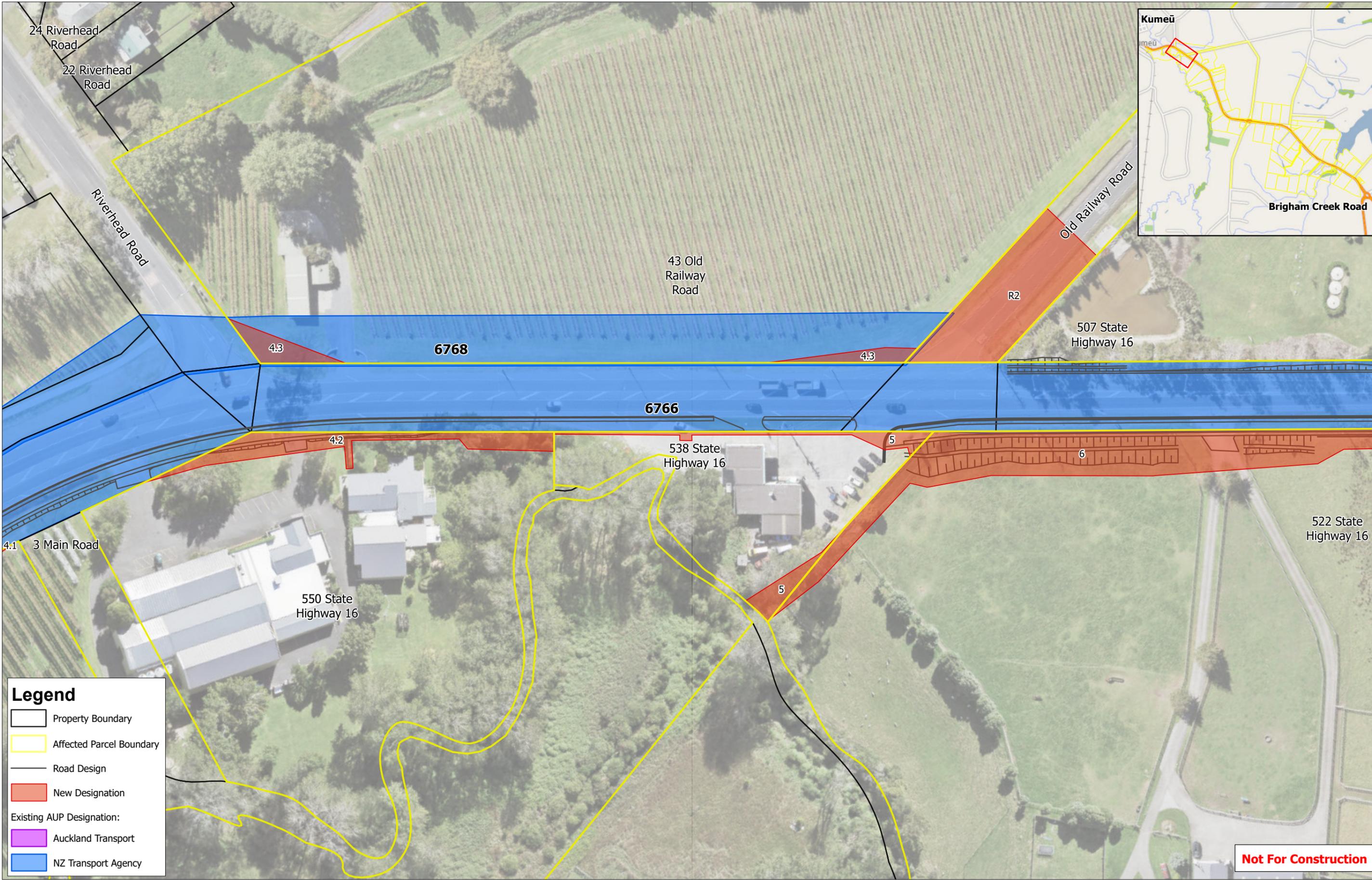
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**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

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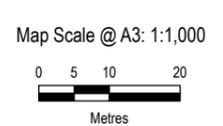
- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

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## Designation Plans

### Map 2

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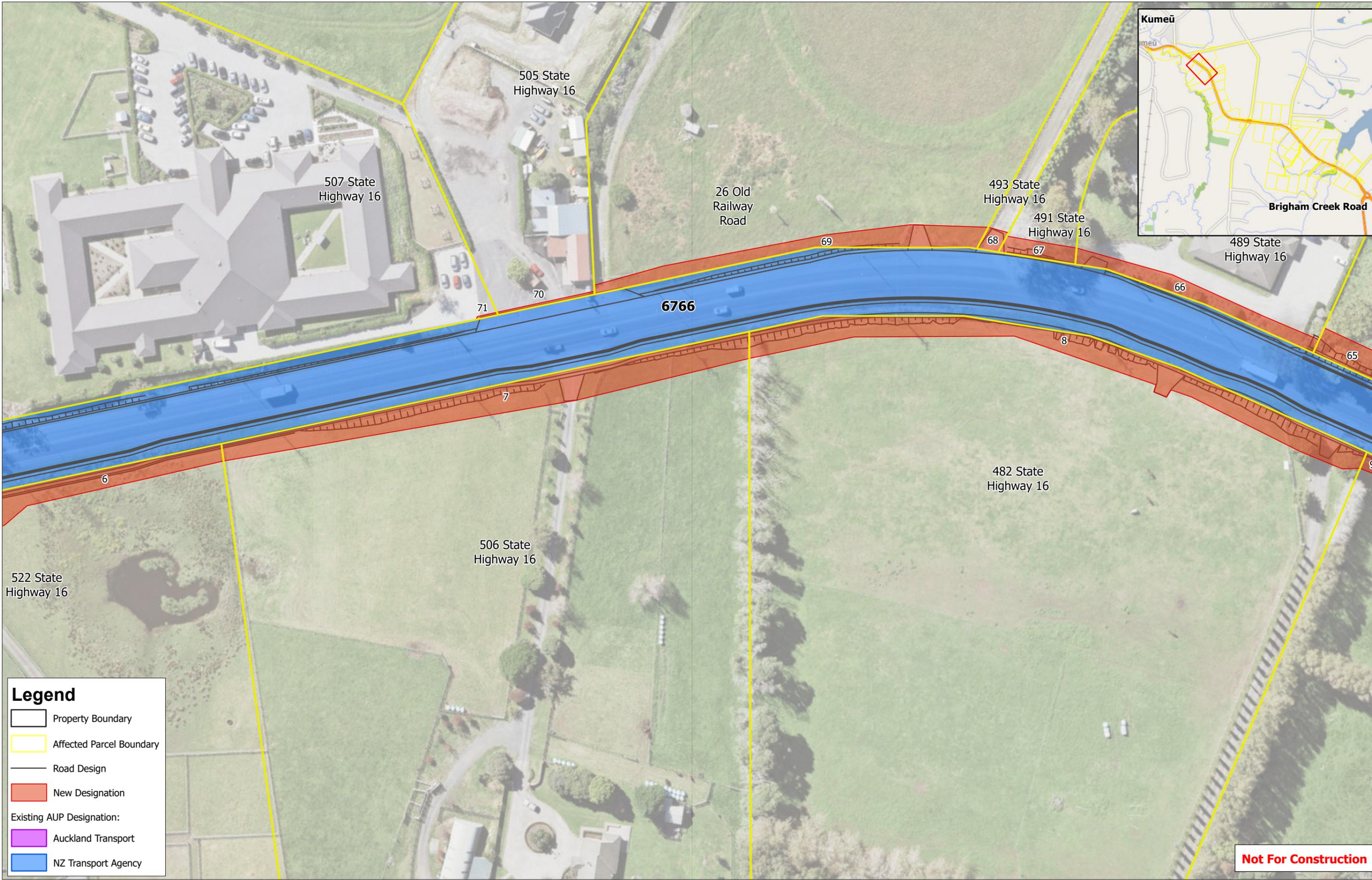
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Discipline: **GIS**

Drawing No: **GIS-3235084\_01b**

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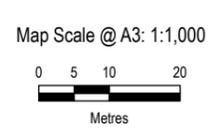
- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

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## Designation Plans

### Map 3

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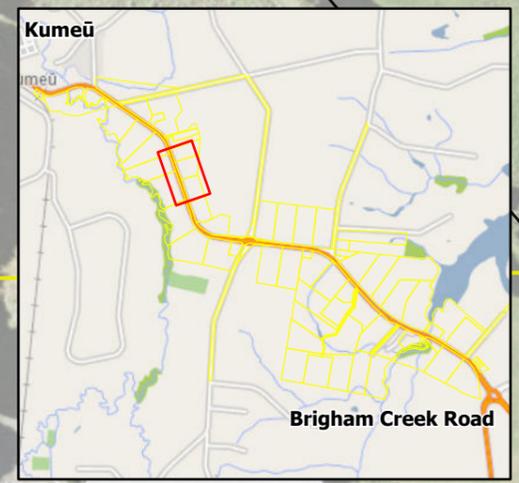
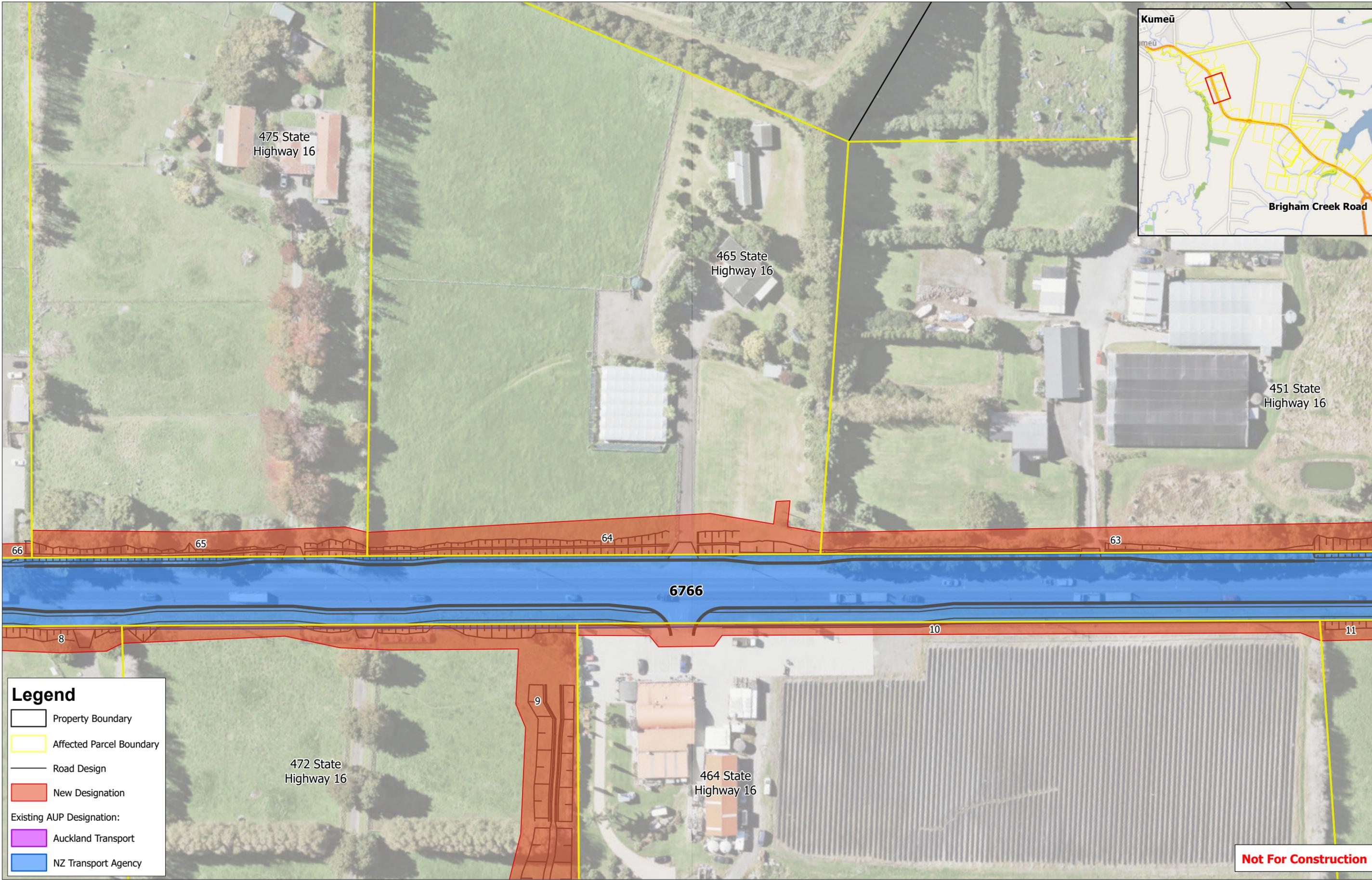
**Project:** SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ



**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

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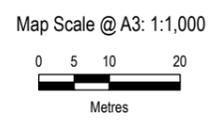
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- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

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## Designation Plans

### Map 4

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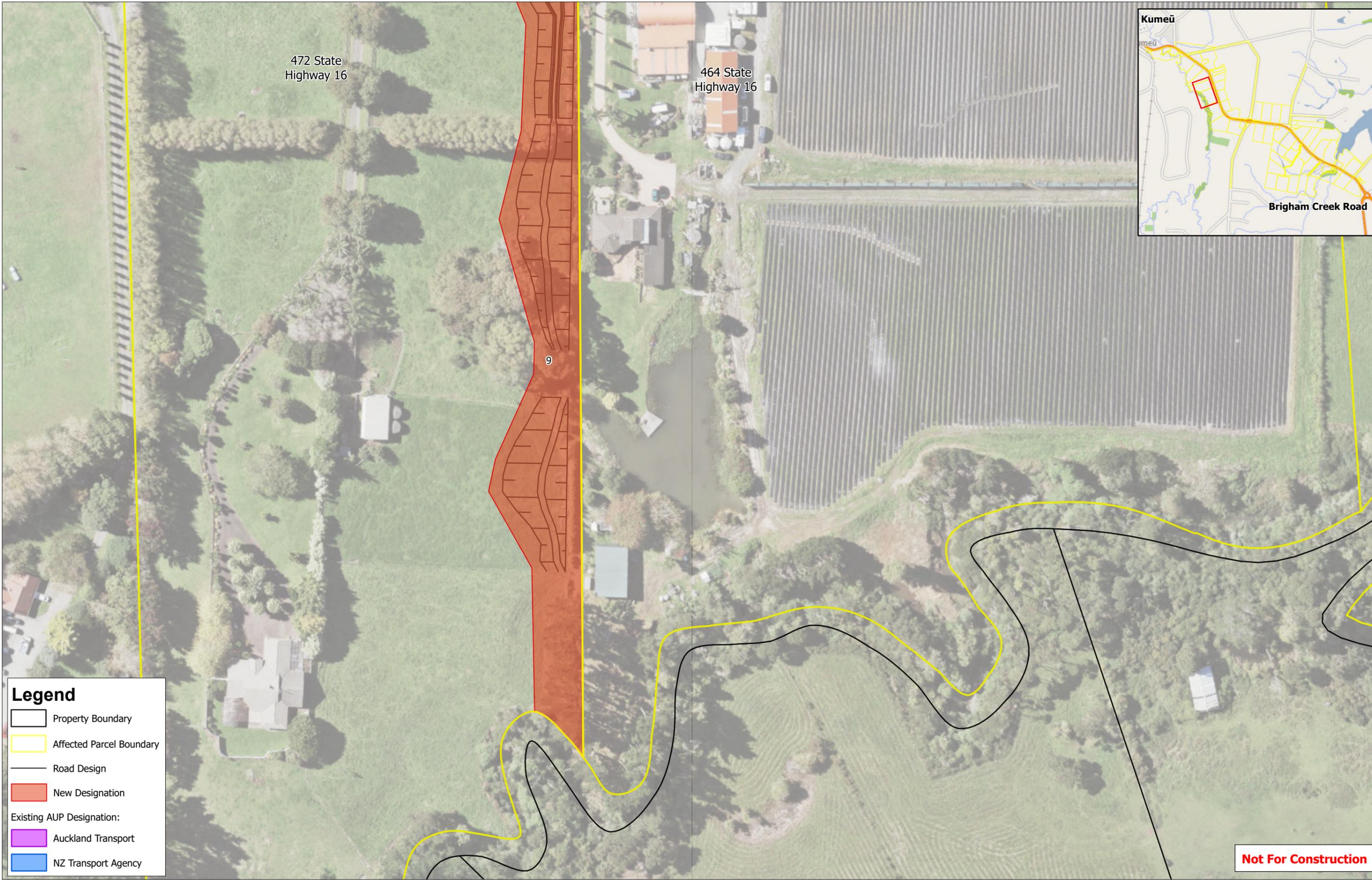
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**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

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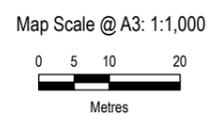
- Property Boundary
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- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

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## Designation Plans

### Map 5

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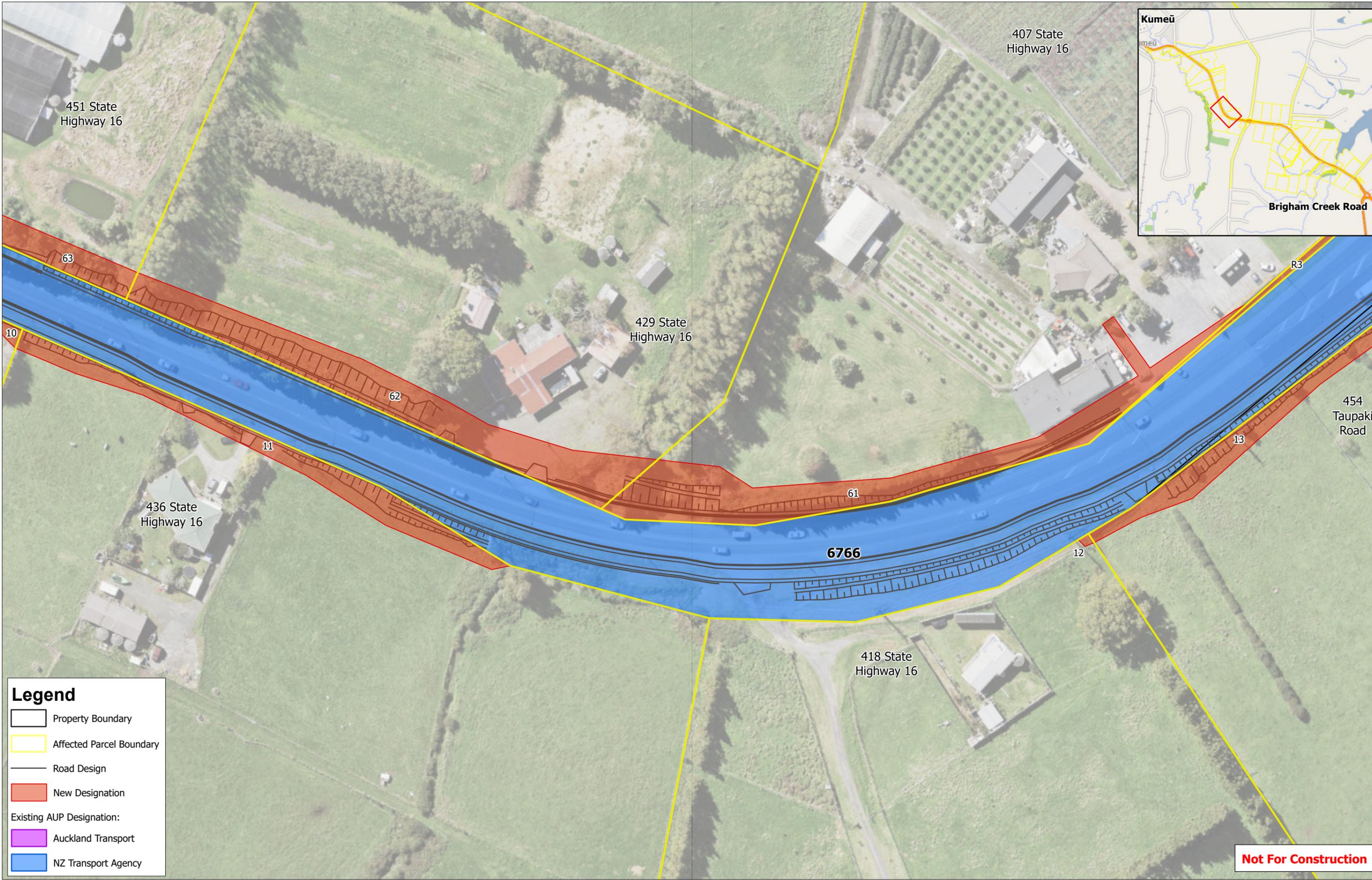
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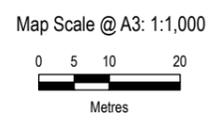
- Property Boundary
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- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

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## Designation Plans

### Map 6

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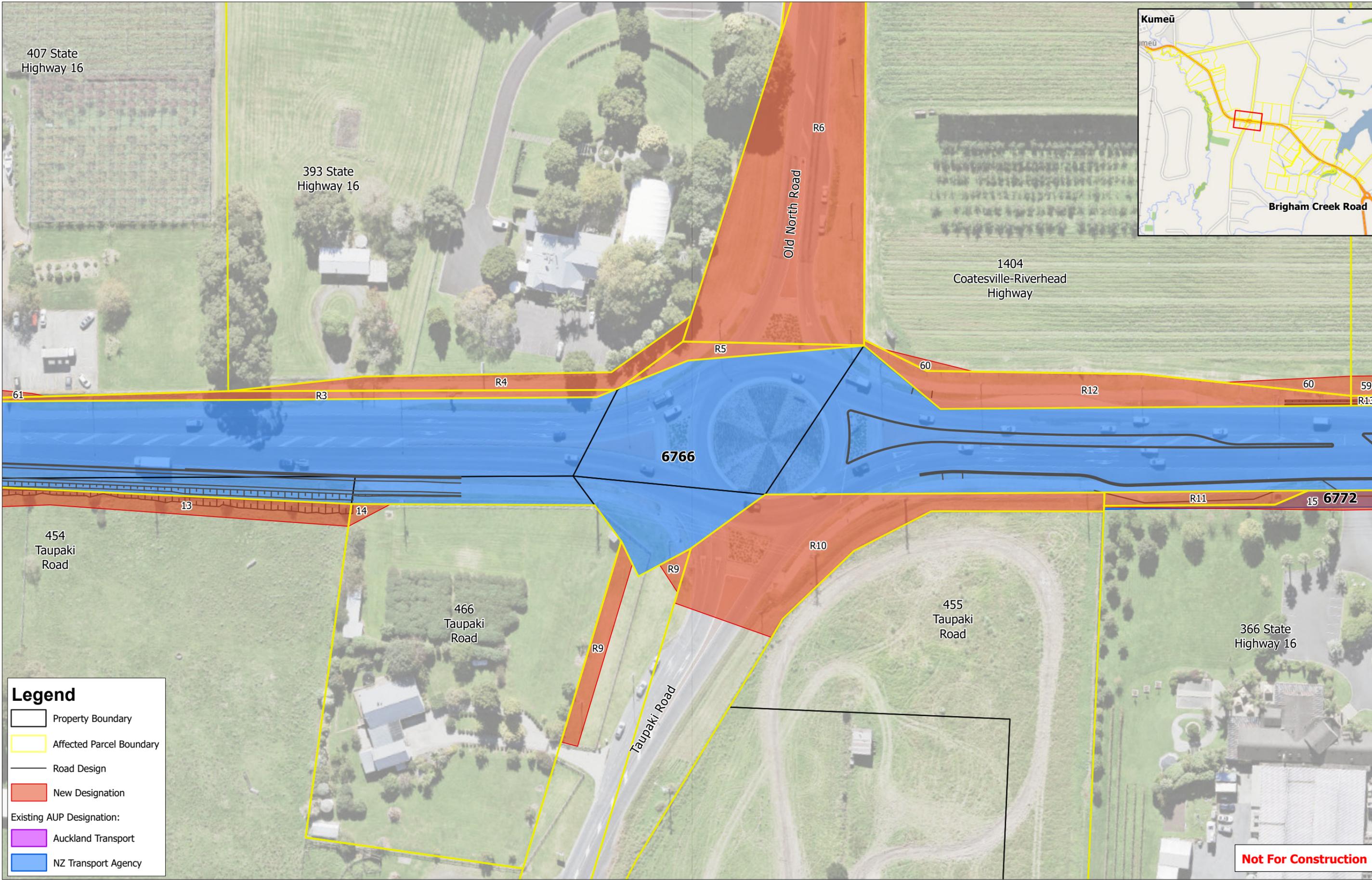
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**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

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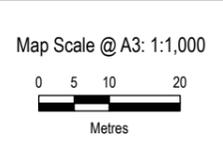
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Existing AUP Designation:

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- NZ Transport Agency

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## Designation Plans

### Map 7

**Client:** Waka Kotahi NZ Transport Agency

**Project:** SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ



**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

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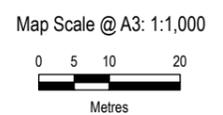
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Existing AUP Designation:

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- NZ Transport Agency

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## Designation Plans

### Map 8

**Client:** Waka Kotahi NZ Transport Agency

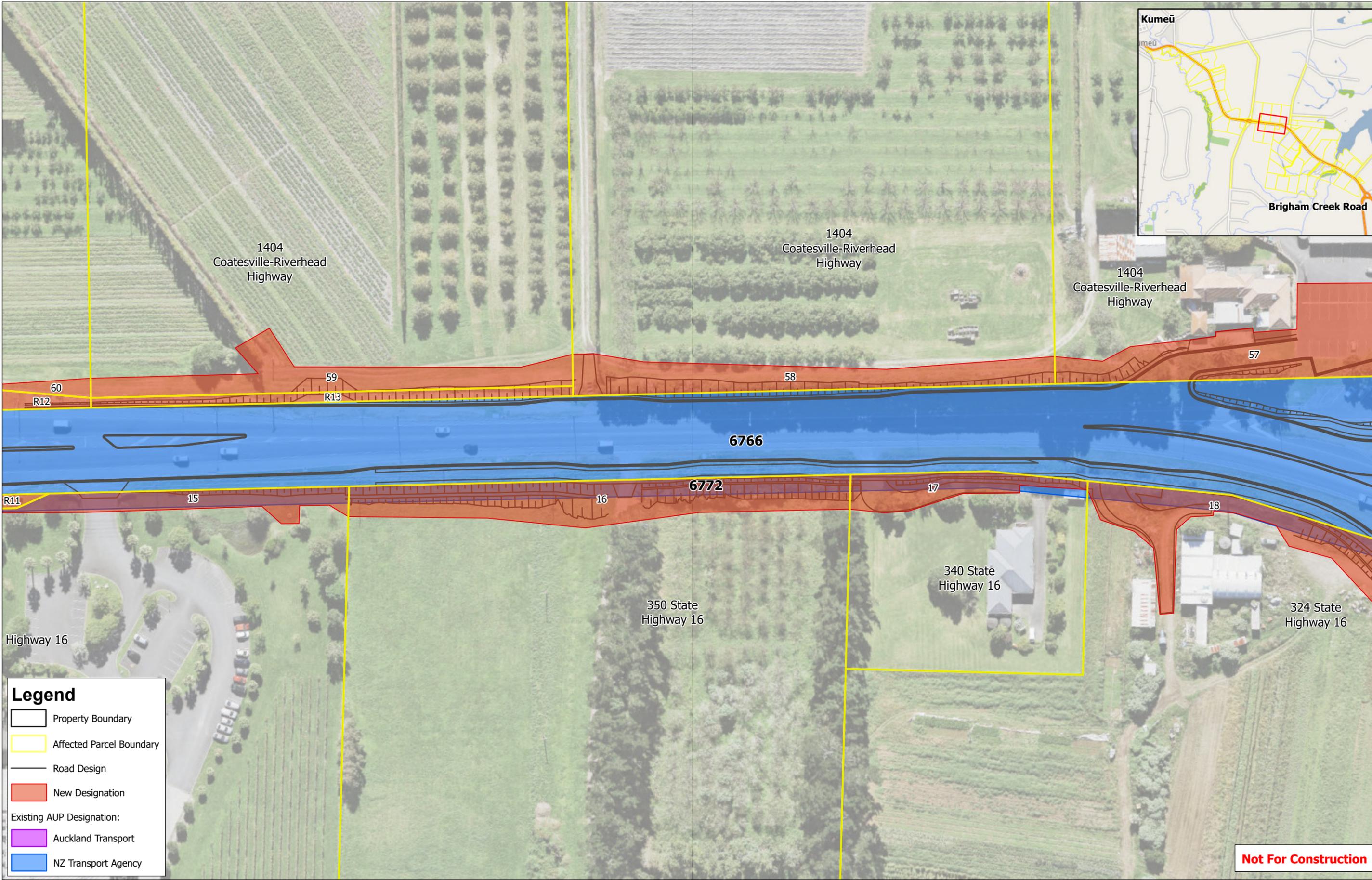
**Project:** SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ



**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\01\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Author: BGP Date: 14/11/2022



**Legend**

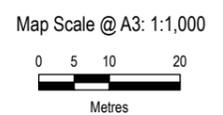
- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

Not For Construction

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Revision	Author	Verified	Approved	Date	NZTA Approved	NZTA Date
4	BGP	TTK	GC	08/11/2022		14/11/2022
3	BGP	TTK	GC	28/10/2022		
2	BGP	DRAFT	DRAFT	27/10/2022		
1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 9

**Client:** Waka Kotahi NZ Transport Agency

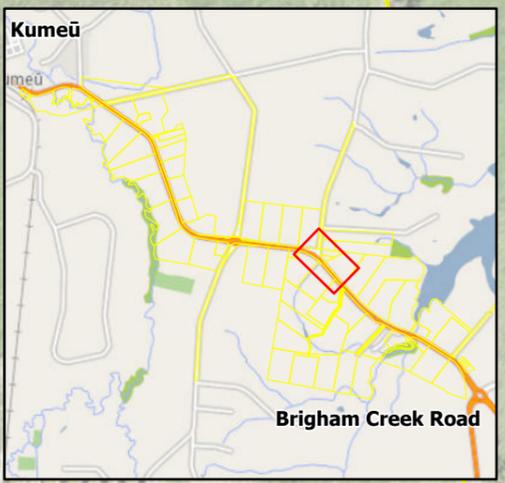
**Project:** SH16 - SAFETY IMPROVEMENTS STAGE 2 BRIGHAM CREEK TO KUMEŪ



**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\101\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Date: 14/11/2022 Author: BGP



**Legend**

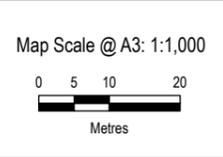
- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

Not For Construction

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3	BGP	TTK	GC	28/10/2022		
2	BGP	DRAFT	DRAFT	27/10/2022		
1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 10

*Client:* Waka Kotahi NZ Transport Agency

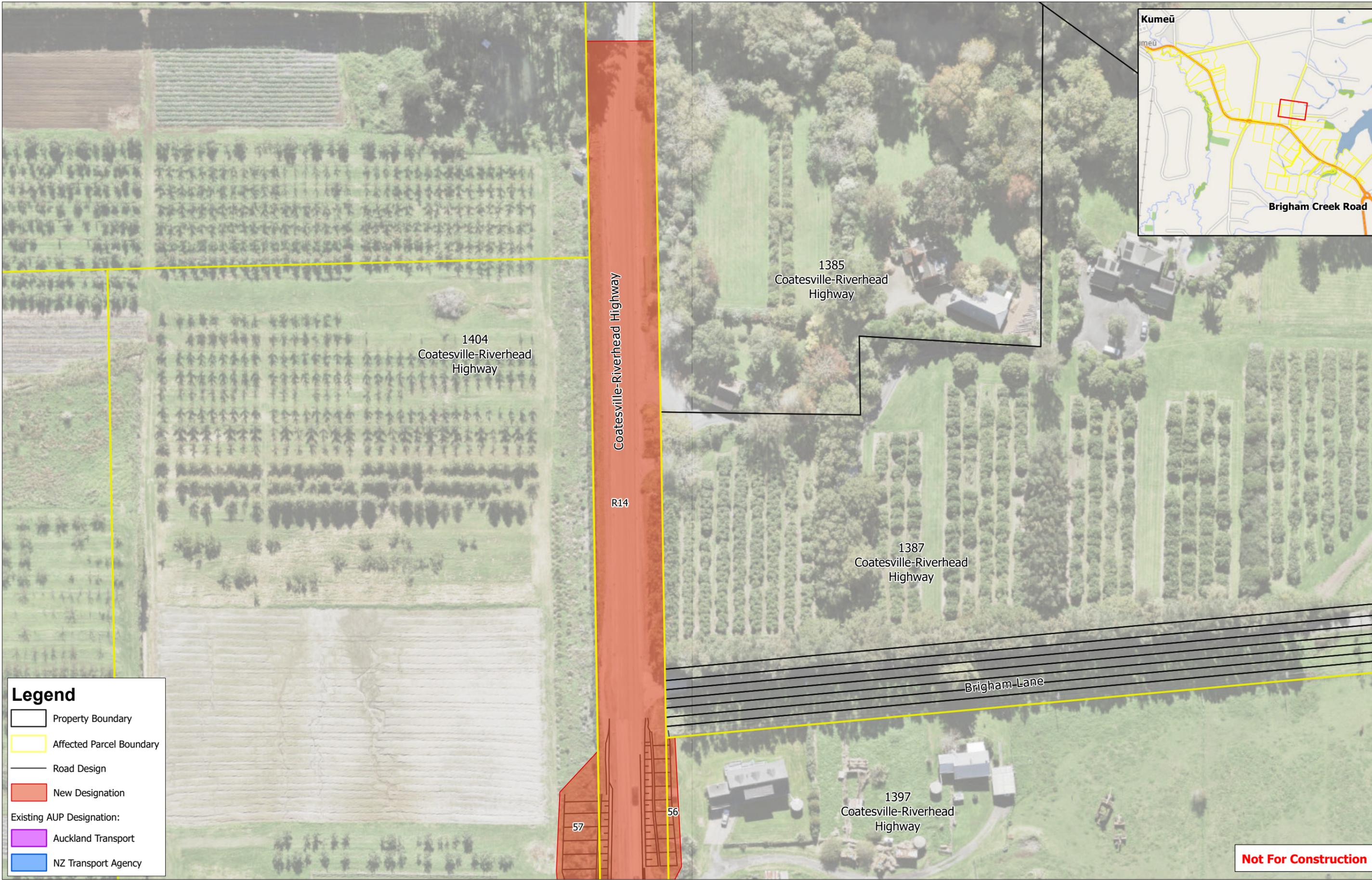
*Project:* SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ



*Discipline:* GIS

*Drawing No:* GIS-3235084\_01b

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\101\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Date: 14/11/2022 Author: BGP



**Legend**

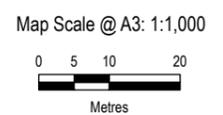
- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

Not For Construction

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3	BGP	TTK	GC	28/10/2022		
2	BGP	DRAFT	DRAFT	27/10/2022		
1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 11

**Client:** Waka Kotahi NZ Transport Agency

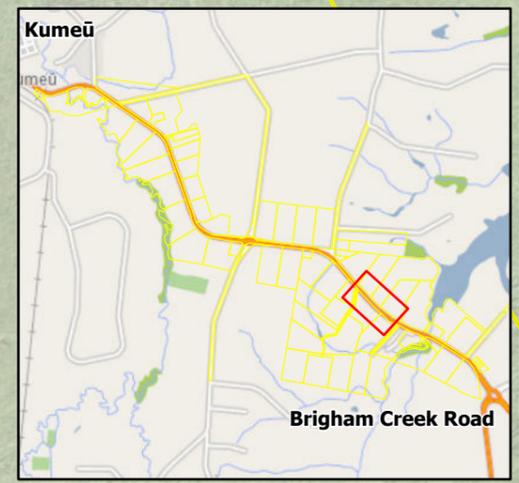
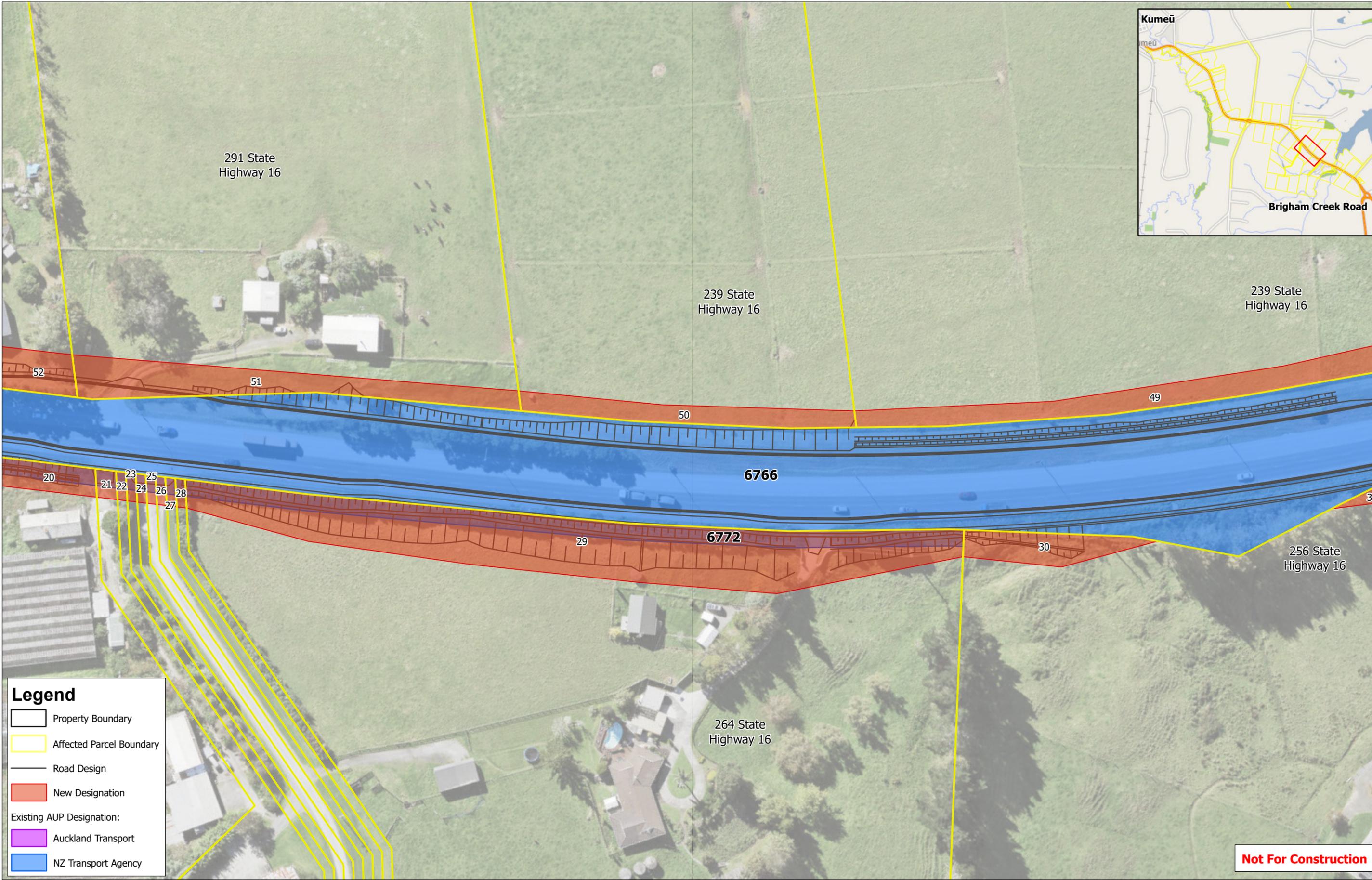
**Project:** SH16 - SAFETY IMPROVEMENTS STAGE 2 BRIGHAM CREEK TO KUMEŪ



**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\01\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Date: 14/11/2022 Author: BGP



**Legend**

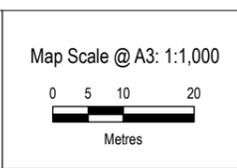
- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

Not For Construction

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3	BGP	TTK	GC	28/10/2022		
2	BGP	DRAFT	DRAFT	27/10/2022		
1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 12

**Client:** Waka Kotahi NZ Transport Agency

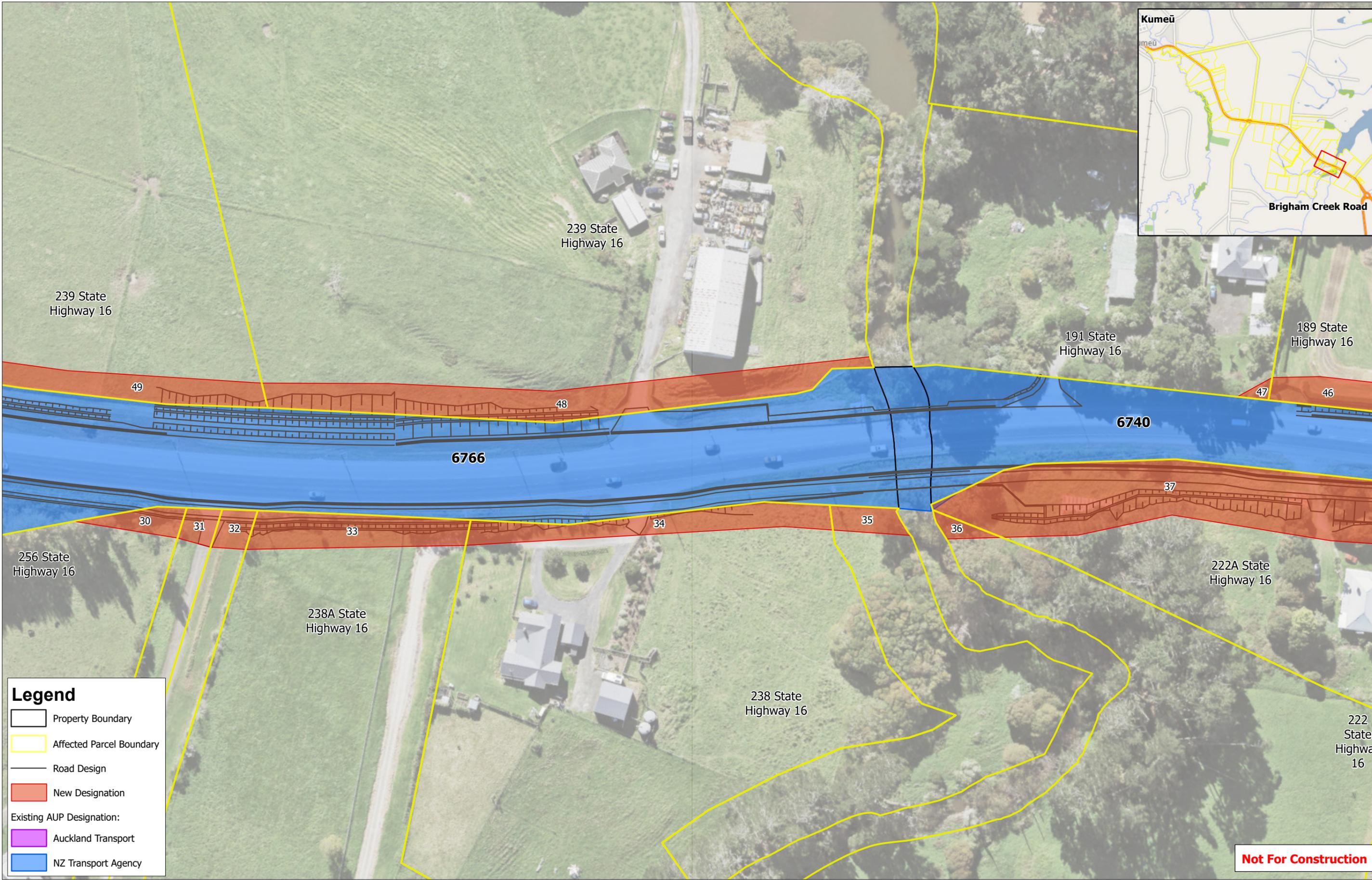
**Project:** SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ



**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\101\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Author: BGP Date: 14/11/2022



**Legend**

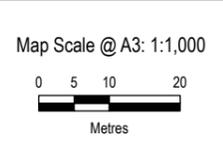
- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation

Existing AUP Designation:

- Auckland Transport
- NZ Transport Agency

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3	BGP	TTK	GC	28/10/2022		
2	BGP	DRAFT	DRAFT	27/10/2022		
1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 13

**Client:** Waka Kotahi NZ Transport Agency

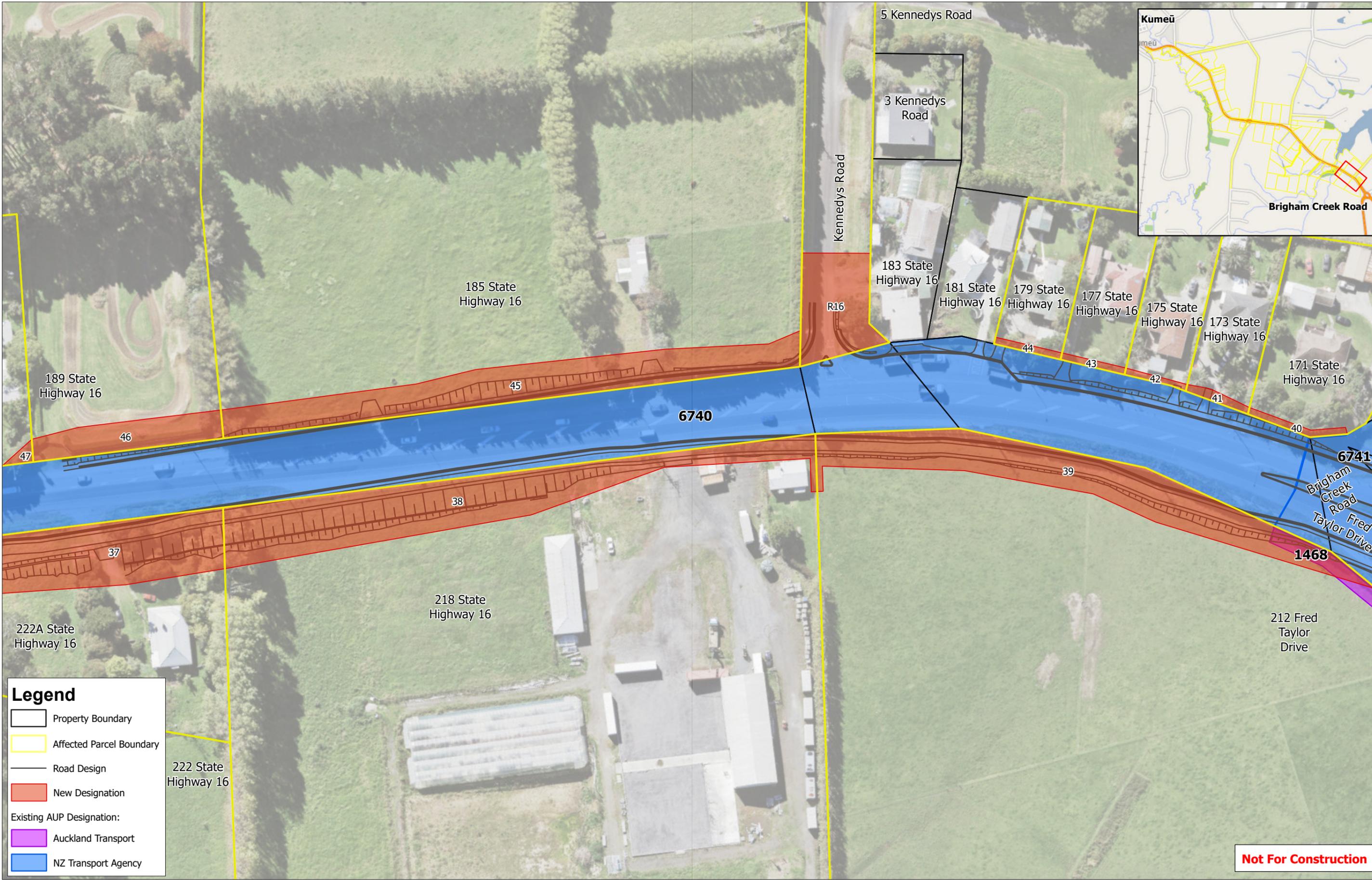
**Project:** SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ



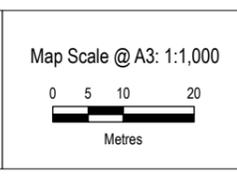
**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\1\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Date: 14/11/2022 Author: BGP



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3	BGP	TTK	GC	28/10/2022		
2	BGP	DRAFT	DRAFT	27/10/2022		
1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 14

**Client:** Waka Kotahi NZ Transport Agency

**Project:** SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ

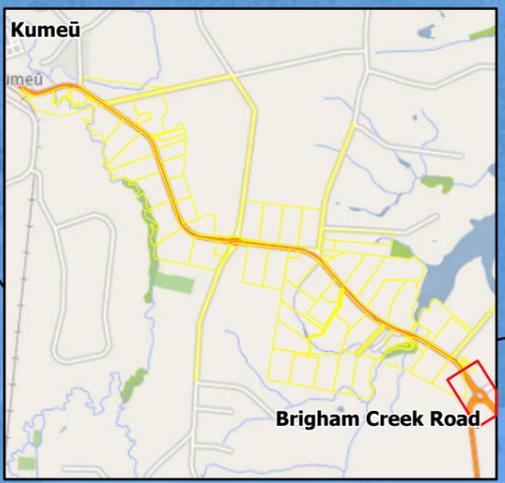
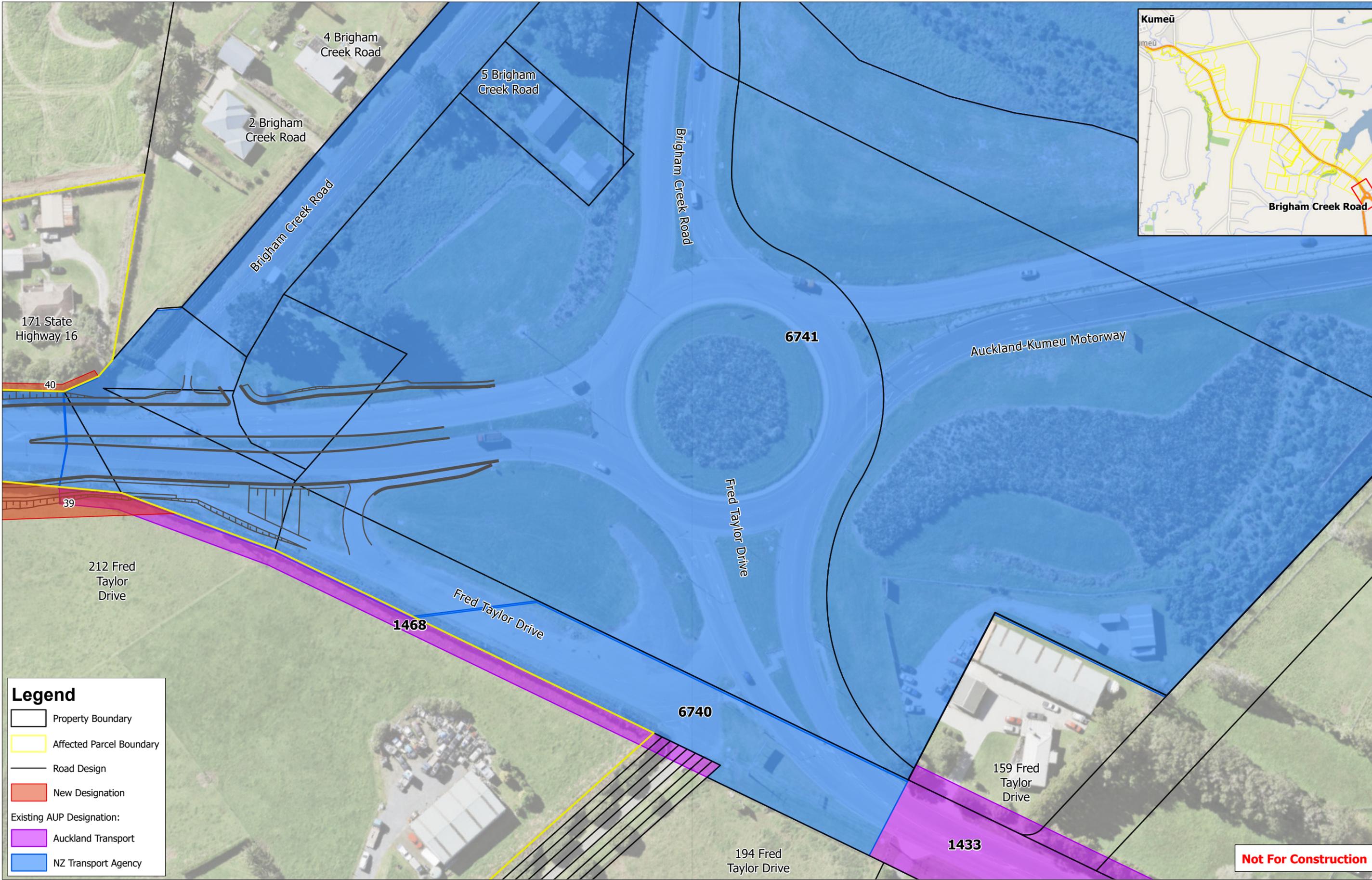


**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

**Not For Construction**

File: \\Beca.net\projects\771777-GIS-CHC\3235084\GIS\101\_Map\Land\_Requirement\_Plans\3235084\_01\_LRP\_SH16\_Stage2.aprx Date: 14/11/2022 Author: BGP

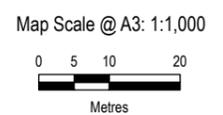


**Legend**

- Property Boundary
- Affected Parcel Boundary
- Road Design
- New Designation
- Existing AUP Designation:
- Auckland Transport
- NZ Transport Agency

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3	BGP	TTK	GC	28/10/2022		
2	BGP	DRAFT	DRAFT	27/10/2022		
1	BGP	DRAFT	DRAFT	06/10/2022		

## Designation Plans

### Map 15

**Client:** Waka Kotahi NZ Transport Agency

**Project:** SH16 - SAFETY IMPROVEMENTS  
STAGE 2 BRIGHAM CREEK TO KUMEŪ



**Discipline:** GIS

**Drawing No:** GIS-3235084\_01b

## Attachment B

### Schedule of Directly Affected Properties

Parcel ID	Legal Description	Certificate of Title	Location	Owner	Required Area (m <sup>2</sup> )(approx)
1	Lot 5 DP 159039	NA95B/793	43 Main Road, Kumeū	Lynda Faye Tate, Shane Robert Tate	89
2	Lot 6 DP 159039	NA95B/794	37 Main Road, Kumeū	Buses Direct Limited	120
3	Lot 1 DP 128717	NA75A/376	7 Main Road, Kumeū	Gordon William Grant Gillespie	452
4.1	Part Allot 1 PSH OF Waipareira	723219	5 Main Road	Melba Claire Brajkovich, Robert Victor Browne, Scott Laurence Browne	806
4.2			550 State Highway 16, Kumeū		512
4.3			43 Old Railway Road, Kumeū		1594
5	Lot 1 DP 527741	895037, 978073	538 State Highway 16, Kumeū	BP Oil New Zealand Limited; S & I Trustee Limited, Steven Stulich	307
6	Lot 1 DP 65110	NA21B/116 3	522 State Highway 16, Kumeū	Patrick Joseph Casey	2165
7	Lot 2 DP 65110	NA21B/116 4	506 State Highway 16, Kumeū	Andrew Neill, Murray Charles Parsons	1196
8	Lot 3 DP 65110	NA21B/116 5	482 State Highway 16, Kumeū	New Blue Sky Investment Limited	1254
9	Lot 4 DP 65110	NA21B/116 6	472 State Highway 16, Kumeū	Junqi Lu	4927
10	Lot 5 DP 65110	NA21B/116 7	464 State Highway 16, Kumeū	Brent Sidney Greig, Brett Anthony Norris, Philip John Greig	866

<b>Parcel ID</b>	<b>Legal Description</b>	<b>Certificate of Title</b>	<b>Location</b>	<b>Owner</b>	<b>Required Area (m<sup>2</sup>)(approx)</b>
11	Lot 6 DP 65110	NA21B/116 8	436 State Highway 16, Kumeū	Doo Yeon Lee, Kyung Sook Lee	898
12	Lot 7 DP 65110	NA21B/116 9	418 State Highway 16, Kumeū	Chung Hing Li, Kam Moon Chu, Xiaohua Huang	9
13	Section 14 SO 451650	587464	454 Taupaki Road, Kumeū	Bingquan Zhu, Yang Lawyers Trustee Limited	963
14	Section 15 SO 451650	587463	466 Taupaki Road, Kumeū	Almas Fariady, Nawid Ahmad Saidi	38
15	Section 10 SO 451650	585779	366 State Highway 16, Kumeū	Anthony Francis Soljan, Colleen Mae Soljan, Graham Clyde Chapman, Lisa Frances Soljan, Tonia Maree Soljan	608
16	Part Lot 18 DP 22455	NA26C/114 5	350 State Highway 16, Kumeū	Twin Coast Limited	1588
17	Lot 1 DP 333714	138143	340 State Highway 16, Kumeū	Hyeon Jeon, Sok Choi	490
18	Lot 2 DP 333714	138144	324 State Highway 16, Kumeū	Fan Investments Limited	2558
19	Lot 2 DP 53169	NA17D/208	312 State Highway 16, Kumeū	Byung Won Cho, Eun Dong Lee	1926
20	Lot 1 DP 118160	NA68A/3	300 State Highway 16, Kumeū	Ki Uong Song, Mi Young Song, Yoo Hong Ahn, Young Hee Han	685
21	Lot 2 DP 118160	NA68A/4	296 State Highway 16, Kumeū	Kenneth Alfred Boler, Tracey Lydia Boler	50

<b>Parcel ID</b>	<b>Legal Description</b>	<b>Certificate of Title</b>	<b>Location</b>	<b>Owner</b>	<b>Required Area (m<sup>2</sup>)(approx)</b>
22	Lot 2 DP 65765	NA51B/381	292 State Highway 16, Kumeū	Pinyu Lin, Zujian Zhang	24
23	Lot 3 DP 65765	NA51B/382	288 State Highway 16, Kumeū	Jian Qin Chen, Kwun Kiu Liu, Si Guang Liao, Yu Fen Liang	24
24	Lot 4 DP 65765	NA51B/383	284 State Highway 16, Kumeū	Lynette May Skilling	24
25	Lot 5 DP 65765	NA51B/384	280 State Highway 16, Kumeū	Glenis Marilyn Hill, Terence Rowland Hill	24
26	Lot 6 DP 65765	NA51B/385	276 State Highway 16, Kumeū	Claire Teresa Bult, Michael Anthony Bult	24
27	Lot 7 DP 65765	NA51B/386	272 State Highway 16, Kumeū	Chongge Dong, Zunlu Duan	25
28	Lot 2 DP 443007	553151	268 State Highway 16, Kumeū	Guiqin Wang	24
29	Lot 1 DP 443007	553150	264 State Highway 16, Kumeū	Majid Akhavian, Mohammadali Dadgou	3386
30	Lot 10 DP 65765	NA51B/389	256 State Highway 16, Kumeū	Andong Shi, Qinglin Yan	569
31	Lot 11 DP 65765	NA51B/390	260 State Highway 16, Kumeū	Amrtharaj Singarajah, CR Trustees Limited, Singarajah Kanagasabai	106
32	Lot 12 DP 65765	NA51B/391	246 State Highway 16, Kumeū	Whenuapai Rentals Limited	119
33	Lot 2 DP 326070	105581	238A State Highway 16, Kumeū	Gitaben Narandra Uka, Narandra Ravji Uka	606
34	Lot 1 DP 326070	105580	238 State Highway 16, Kumeū	Donna Maree Young, Nickolas Paul Salter	657

Parcel ID	Legal Description	Certificate of Title	Location	Owner	Required Area (m <sup>2</sup> )(approx)
35	Lot 3 DP 326070	176851	Esplanade Reserve at Ngongetepara Stream	Auckland Council	157
36	Part Lot 11 DP 65077	NA29A/766	222a State Highway 16, Whenuapai, Auckland	Albert Chi-Shiang Cheng, Stephen Chung Lun Fu, Teri Yu-Hsia Cheng	74
37	Section 1 SO 70397	1026536	222 State Highway 16, Whenuapai, Auckland	Her Majesty the Queen	2613
38	Lot 12 DP 65077	NA29A/767	218 State Highway 16, Whenuapai, Auckland	DWLS Properties Limited	2041
39	Lot 13 DP 65077	NA29A/768	212 Fred Taylor Drive, Whenuapai, Auckland	Leeann Debbie Sokol, Mate Sokol	1769
40	Lot 2 DP 45776	NA3A/740	171 State Highway 16, Whenuapai, Auckland	RZAK LIMITED	61
41	Lot 1 DP 45776	NA1861/60	173 State Highway 16, Whenuapai, Auckland See note <sup>1</sup>	The Proprietors of Lot 1 Deposited Plan 45776	50
42	Lot 2 DP 41574	NA1518/15	175 State Highway 16, Whenuapai, Auckland	GJQ Investments Limited	33
43	Lot 3 DP 41574	NA1626/37	177 State Highway 16, Whenuapai, Auckland	Thomas Edward Hickling	39
44	Lot 4 DP 41574	NA2A/1126	179 State Highway 16, Whenuapai, Auckland	Basque Trustees Limited, Stephen Troy Dunn	40
45	Lot 1 DP 63327	NA18C/143 8	2-6 Kennedys Road, Whenuapai, Auckland	Miesque Bloodstock Limited	1612

<sup>1</sup> The Record of Title (ROT) for 173 SH16 is subject to a withholding direction under the Land Transfer Act 2017. Land Information New Zealand (LINZ) are unable to release this ROT to Waka Kotahi without the land owner's permission. LINZ have reached out to the land owner and we will forward a copy of it to Auckland Council once received.

Parcel ID	Legal Description	Certificate of Title	Location	Owner	Required Area (m <sup>2</sup> )(approx)
46	Lot 2 DP 63327	NA18C/143 9	189 State Highway 16, Whenuapai, Auckland	Bun Ji Kim, Kyung Il Son	461
47	Part Lot 1 DP 38693	NA18C/144 2	191 State Highway 16, Whenuapai, Auckland	Diane Rhys Felton, Donna Marie Felton	30
48	Part Lot 8 DP 53169	NA17D/214	239 State Highway 16, Kumeū	Lawson & Zambucka Limited	1466
49	Lot 7 DP 53169	NA17D/213			1184
50	Lot 6 DP 53169	NA17D/212			541
51	Lot 5 DP 53169	NA17D/211	291 State Highway 16, Kumeu	Lawson & Zambucka Limited	982
52	Lot 1 DP 36013	NA957/284	299 State Highway 16, Kumeū	Anka Antunovich	2904
53	Lot 2 DP 42734	NA1617/96	315 State Highway 16, Kumeū	John Wiremu Richardson, Nicola Denise Wharerau	266
54	Lot 1 DP 42734	NA1163/3	1411 Coatesville-Riverhead Highway, Kumeū	Jason Lee Scott Ekins	80
55	Lot 1 DP 123574	NA72A/606	1409 Coatesville-Riverhead Highway, Kumeū	Cultivate Services Limited	85
56	Lot 6 DP 55290	NA7C/855	1397 Coatesville-Riverhead Highway, Kumeū	Hsiu-Lin Wu Hsu, Michael Wu, Reagan Wu, Yi-Chieh Wu	138
57	Lot 1 DP 22456	NA107B/36 9	1404 Coatesville-Riverhead Highway, Kumeū	F. Boric & Sons Limited	3802
58	Lot 12 DP 22456	NA107B/36 9			1112

Parcel ID	Legal Description	Certificate of Title	Location	Owner	Required Area (m <sup>2</sup> )(approx)
59	Section 6 SO 451650	587461			1051
60	Section 5 SO 451650	587461			151
61	Part Lot 2 DP 44701	NA1645/64	407 State Highway 16, Kumeū	Berislav Stulich, Vesna Stulich	1718
62	Part Lot 3 DP 44701	NA82C/620	429 State Highway 16, Kumeū	Myung Joo Chung	1750
63	Lot 4 DP 44701	NA1A/762	451 State Highway 16, Kumeū	Heather Allison Hernandez, Neftaly Henry Hernandez	1275
64	Lot 5 DP 44701	NA1685/19	465 State Highway 16, Kumeū	Loretta Taiafiafi Radich, Raymond Radich, Smith & Partners Trustee Co. 2010 Limited	1289
65	Lot 6 DP 44701	NA1811/76	475 State Highway 16, Kumeū	Chin Yi Lin	765
66	Lot 2 DP 458871	598303	489 State Highway 16, Kumeū	Gary John Cully, Richard Ian Cross, Sandra Theresia Tonia Anna Cully	315
67	Lot 1 DP 458871	598302	491 State Highway 16, Kumeū	ABI Property Limited	107
68	Part Lot 2 DP 372040	344652	493 State Highway 16, Kumeū	Andrea Jill Saunders, John Joseph Noonan	41
69	Lot 1 DP 372040	291435	26 Old Railway Road, Kumeū	Baptist Union of New Zealand	505
70	Lot 2 DP 401977	406228	505 State Highway 16, Kumeū	Brisen Trustee Limited	25

Parcel ID	Legal Description	Certificate of Title	Location	Owner	Required Area (m <sup>2</sup> )(approx)
71	Lot 1 DP 401977	406227	20 Old Railway Road, Kumeū	AHCL Properties Limited	5
Road parcel					
R1	Road	NA	Main Road	Auckland Transport	15
R2	Road	NA	Old Railway Road	Auckland Transport	1053
R3	Road	NA	Old North Road	Auckland Transport	409
R4	SO 451650	NA	Old North Road	Auckland Transport	560
R5	Road	NA	Old North Road	Auckland Transport	211
R6	Road	NA	Old North Road	Auckland Transport	8631
R7	SO 451650	NA	Old North Road	Auckland Transport	25
R8	SO 451650	NA	Old North Road	Auckland Transport	46
R9	Road	NA	Taupaki Road	Auckland Transport	346
R10	SO 451650	NA	Taupaki Road	Auckland Transport	1973
R11	SO 451650	NA	Taupaki Road	Auckland Transport	220
R12	SO 451650	NA	Old North Road	Auckland Transport	1133
R13	SO 451650	NA	Old North Road	Auckland Transport	417
R14	Road	NA	Coatesville Riverhead Highway	Auckland Transport	7009
R15	SO 28699	NA	Coatesville Riverhead Highway	Auckland Transport	173

**Attachment C**  
**Proposed Designation Conditions**

# Proposed Draft Conditions

## Designation Conditions

### Guide to reading the designation conditions

The proposed designation conditions are numbered as follows

Numbering Format	Set of Proposed Conditions
DC	General Designation Conditions
BH	Built Heritage Conditions
LEP	Landscape and Ecological Planting Conditions
CM	General Construction Management Conditions
CNVM	Construction Noise and Vibration Management Conditions
WW	Wastewater Conditions

## Designation Conditions

Reference Number	Condition
General Designation Conditions (DC)	
DC.1	Except as modified by the conditions below, and subject to final design, the Project shall be undertaken in general accordance with the information provided by the Requiring Authority in the Notice of Requirement dated November 2022.
DC.1A	Conditions DC, BH, LEP, CM, CNVM and WW of this designation shall only apply to the work described in the Project Description set out in the Notice of Requirement dated November 2022 and the altered area identified in the Designation Plans submitted as Attachment A of the Notice.
DC.2	Except where explicitly provided for, the construction related conditions of this designation do not apply to works associated with on-going operation and maintenance of the State highway following construction, such as changes to street furniture or signage over time. The provisions of section 176A of the RMA apply to on-going operation, maintenance or other works within the designation.
DC.3	As soon as practicable following Completion of Construction, the Requiring Authority shall: <ul style="list-style-type: none"> <li>a. Review the extent of the area designated for the Project;</li> <li>b. In consultation with the relevant landowners, identify any areas of designated land that are no longer necessary for the on-going operation, maintenance or mitigation of effects of the Project; and</li> </ul>

	<p>c. Give notice to the Auckland Council Planning Manager (North-West) in accordance with section 182 of the RMA for the removal of those parts of the designation identified in (b) above.</p>
DC.4	<p>An Outline Plan or Plans shall be prepared in accordance with section 176A of the RMA. The Outline Plan or Plans shall include (but not limited to) the following plans for the relevant stage(s) of the Project:</p> <ul style="list-style-type: none"> <li>a. A Construction Management Plan (CMP) prepared in accordance with Condition CM 1 (including a Construction Traffic Management Plan (CTMP)); and</li> <li>b. A Construction Noise and Vibration Management Plan (CNVMP) prepared in accordance with Condition CNVM.1.</li> </ul>
DC.5	<p>The plans outlined in Condition DC.4 may be amended following submission of the Outline Plan(s) if necessary to reflect any changes in design, construction methods or management of effects. Any amendments are to be submitted to the Auckland Council Planning Manager Regulatory for information without the need for a further Outline Plan process, unless those amendments once implemented would result in a materially different outcome to that described in the original Plan.</p> <p>For the avoidance of doubt, this condition does not apply to any Site Specific Traffic Management Plan, Site Specific Construction Noise Management Plan, Site Specific Construction Vibration Management Plan, or other management plans required by the conditions of these designations. These management plans do not form part of the Outline Plan.</p>
<p><b>Built Heritage (BH) Conditions</b></p>	
BH.1	<p>Prior to demolition, the mid-20<sup>th</sup> century shed at 222A SH16 shall be recorded photographically and to a standard equivalent to Level 3, as set out in <i>Heritage New Zealand Pouhere Taonga 2018 Archaeological Guidance Series 1: Investigation and Recording of Buildings and Structures</i>. These photographs shall be submitted to Auckland Council Cultural Heritage Index team and Heritage New Zealand Pouhere Taonga for their information.</p>
<p><b>Landscape and Ecological Planting (LEP) Conditions</b></p>	
LEP.1	<p>Planting shall be implemented in general accordance with the Landscape and Ecological Planting Plan (Beca 2022) and:</p> <ul style="list-style-type: none"> <li>a. Wherever practicable following completion of construction; or</li> <li>b. As soon as areas become available for planting due to the progress of the works and seasonal conditions; and/or</li> </ul>

	<p>c. Within twelve months of completion of construction, unless the seasonal timing of works makes some planting impracticable in which case the planting can be done the following season.</p>
<p>Construction Management (CM) Conditions</p>	
<p>CM.1</p>	<p>At least 15 working days prior to commencement of works on the Project, the Requiring Authority shall prepare and submit a Construction Management Plan (CMP) to Auckland Council with the Outline Plan or Plans as required by DC.4. The purpose of the CMP is to set out the management procedures and construction methods to be undertaken in order to avoid, remedy or mitigate potential adverse effects arising from construction activities.</p> <p>The CMP shall include specific details relating to the construction and management of all works associated with the Project, including:</p> <ul style="list-style-type: none"> <li>a. Details of the site or project manager, including their contact details (phone, facsimile, postal address, e-mail address);</li> <li>b. The location of large notice boards that clearly identify the name, telephone number and address for service of the site or project manager;</li> <li>c. An outline construction programme of the works;</li> <li>d. Procedures detailing how the public, stakeholders, businesses and residents will be communicated with throughout the pre-construction and construction phases of the Project;</li> <li>e. Methods for engaging with Mana Whenua, to be developed in consultation with Mana Whenua;</li> <li>f. A CTMP to manage the various traffic management, safety and efficiency effects associated with works to:             <ul style="list-style-type: none"> <li>• Protect public safety including the safe passage of and connectivity for pedestrians and cyclists, particularly for school students travelling to and from school;</li> <li>• Minimise increases to existing delay to road users, public transport services, pedestrians and cyclists;</li> <li>• Minimise interruption to property access;</li> <li>• Inform the public about any potential impacts on the road network;</li> <li>• Minimise disruptions on the arterial road network;</li> <li>• Manage the effects on and/or any changes required to existing Over Dimension and Over Weight routes; and</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Indicate likely time periods for road closures/detours and anticipated transport management procedures;</li> </ul> <p>g. A tree protection methodology prepared by an appropriately qualified arboricultural expert, which ensures no damage occurs to the Notable Trees located at 191 SH16 and that the trees identified in the Site Clearance Plans (Beca, 2022) that are then identified by the contractor as being unaffected by the Project construction and that can be retained and protected;</p> <p>h. Measures to protect services such as pipe and watermains within the legal road;</p> <p>i. Measures to be adopted to maintain the land in a tidy condition in terms of disposal/storage of rubbish, storage and unloading of building materials and similar construction activities;</p> <p>j. Location of workers offices and conveniences (e.g. portaloos);</p> <p>k. Procedures for controlling dust and the removal of soil, debris and demolition and construction materials from public roads and places. Dust mitigation measures should include use of water sprays to control dust nuisance on dry or windy days;</p> <p>l. Procedures for ensuring that residents in the immediate vicinity of construction areas are given prior notice of the commencement of construction activities and are informed about the expected duration of the works;</p> <p>m. Means of ensuring the safety of the general public;</p> <p>n. A risk assessment and protection measures to control potential risk of damage or nuisance from construction activities on the built heritage sites located at 191 SH16, 222A SH16, 238 SH16 (e.g. vehicle tracking, noise and dust management).</p>
<p>CM.2</p>	<p>The CMP shall address the following matters listed below in relation to Transpower. Prior to submitting the CMP to Council, the Requiring Authority shall consult with Transpower on these matters and provide details of any feedback or comments from Transpower within the CMP:</p> <p>a. Demonstrate how temporary and permanent works in the vicinity of overhead transmission assets shall be designed and undertaken to comply with the <i>New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34: 2001)</i>, including components such as:</p> <ul style="list-style-type: none"> <li>• Maintenance of a 10m vertical clearance from the lines at all times;</li> <li>• Road design;</li> </ul>

	<ul style="list-style-type: none"><li>• Traffic barriers (including protection specifically to protect towers);</li><li>• Noise walls;</li><li>• Lighting;</li><li>• Signs;</li><li>• Stormwater – culverts/ponds;</li><li>• Shared pathways;</li><li>• Landscaping;</li><li>• Construction yards.</li></ul> <p>b. Temporary and permanent works shall be designed to mitigate Earth Potential Rise (EPR) where the use of conductive materials for road infrastructure (e.g. signs, metallic barriers, lighting, noise walls) or relocated network utilities are within 50 metres of the Henderson-Maungatapere 110kV line and Henderson-Marsden 220kV line crossing SH16 (North-South).</p> <p>c. The CMP shall also include the following details:</p> <ul style="list-style-type: none"><li>• Roles and responsibilities of staff and contractors responsible for implementation of the CMP;</li><li>• Drawings showing proposed works in the vicinity of or directly affecting the Henderson-Maungatapere 110kV line and Henderson-Marsden 220kV line and the HEN-MPE-A-0027-Structure;</li><li>• Proposed staff and contractor training for those working near the transmission assets;</li><li>• Proposed methods to comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 2001 (NZECP 34: 2001).</li><li>• Proposed methods to:<ul style="list-style-type: none"><li>i. Maintain access to the HEN-MPE-A-0027-Structure for maintenance at all reasonable times, and emergency works at all times;</li><li>ii. Delineate areas that are out of bounds during construction and areas within which additional management measures are required, such as fencing off, entry and exit hurdles, maximum height limits, or where a Transpower observer may be required;</li><li>iii. Manage the effects of dust (including any other material potentially resulting from construction activities able to cause material damage beyond normal wear and tear) on the transmission lines;</li></ul></li></ul>
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	<ul style="list-style-type: none"> <li>iv. Manage any changes to drainage patterns, runoff characteristics and stormwater to avoid adverse effects on foundations of any support structure;</li> <li>v. Manage construction activities that could result in ground vibrations and/or ground instability to avoid causing damage to transmission lines and support structures.</li> </ul>
<p>CM.3</p>	<p>The CMP shall be implemented and maintained throughout the entire construction period.</p>
<p>Construction Noise and Vibration Management (CNVM) Conditions</p>	
<p>CNVM.1</p>	<p>A Construction Noise and Vibration Management Plan (CNVMP) shall be prepared by a Suitably Qualified Person, to be submitted to Council with the Outline Plan or Plans as required by DC.4. The purpose of the CNVMP is to provide a framework for the development and implementation of Best Practicable Option for the management of construction noise and vibration effects, and to minimise any exceedance of the construction noise and vibration criteria set out in Conditions CNVM.2 and CNVM.3. The CNVMP shall be implemented for the duration of the construction works.</p> <p>The CNVMP shall:</p> <ul style="list-style-type: none"> <li>(a) Be prepared in accordance with Annex E2 of <i>New Zealand Standard NZS6803:1999 Acoustics – Construction Noise (NZS6806:1999)</i> and the <i>New Zealand Transport Agency’s State Highway Construction and Maintenance Noise and Vibration Guide (version 1.1, August 2019)</i>.</li> <li>(b) Address, as a minimum, the following: <ul style="list-style-type: none"> <li>i. Description of the works, anticipated equipment/processes and their scheduled durations;</li> <li>ii. Hours of operation, including times and days when construction activities would occur;</li> <li>iii. The construction noise and vibration criteria for the project;</li> <li>iv. Identification of affected houses and other sensitive locations where noise and vibration criteria apply;</li> <li>v. A hierarchy of management and mitigation options, including alternative strategies adopting the Best Practicable Option where full compliance with the relevant noise and/or vibration criteria cannot be achieved;</li> <li>vi. A procedure for developing and implementing the Schedules (as required by condition CNVM.4).</li> <li>vii. Methods and frequency for monitoring and reporting on construction noise and vibration;</li> </ul> </li> </ul>

	<ul style="list-style-type: none"><li>viii. Procedures for maintaining contact with stakeholders, notifying of proposed construction activities, the period of construction activities, and handling noise and vibration complaints;</li><li>ix. Identification of major construction work areas and activities which are anticipated to generate noise and / or vibration levels which will require Schedules (in accordance with Condition CNVM.4) progressively and as soon as reasonably practicable,</li><li>x. Procedures for the early engagement with the receivers;</li><li>xi. Identification of buildings where vibration levels may exceed the Category A criteria (refer condition CNVM.3). Where this is the case, the following process shall be included in the CNVMP:<ul style="list-style-type: none"><li>a. A pre-construction building condition survey shall be carried out. The purpose of the survey is to determine the pre-construction condition, context and physical features of the buildings to form the basis of construction monitoring.</li><li>b. The outcome of the survey shall be provided to the building owner within 15 working days following completion of the survey and a copy shall be provided to the Team Leader Compliance Monitoring North West.</li><li>c. A post-construction condition survey shall be undertaken within 3 months following completion of construction in the vicinity of the building. The outcome of the survey shall be provided to the building owner following completion of the survey and a copy shall be provided to the Team Leader Compliance Monitoring North West.</li><li>d. If any damage occurs that is verified as attributable to the construction works, the Requiring Authority shall (with the agreement of the building owner and subject to any additional approval required) make good the damage and advise the Team Leader Compliance Monitoring North West of the work undertaken.</li></ul></li><li>xii. Contact details of the site supervisor or project manager and the Requiring Authority's Project Liaison Person (phone, postal address, email address);</li><li>xiii. Procedures for the regular training of the operators of construction equipment to minimise noise and vibration as well as expected construction site behaviours for all workers.</li></ul>
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<p>CNVM.2</p>	<p>Noise arising from construction activities shall be measured and assessed in accordance with <i>New Zealand Standard NZS 6803:1999 Acoustics - Construction Noise</i> and shall comply with the noise criteria set out in the following table where practicable:</p> <p><b>Table CNVM1</b> Construction noise criteria</p> <table border="1" data-bbox="402 436 1360 1356"> <thead> <tr> <th>Day of week</th> <th>Time period</th> <th>L<sub>Aeq(15min)</sub></th> <th>L<sub>AFmax</sub></th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;"><b>Occupied activity sensitive to noise</b></td> </tr> <tr> <td rowspan="4">Weekday</td> <td>0630h - 0730h</td> <td>55 dB</td> <td>75 dB</td> </tr> <tr> <td>0730h - 1800h</td> <td>70 dB</td> <td>85 dB</td> </tr> <tr> <td>1800h - 2000h</td> <td>65 dB</td> <td>80 dB</td> </tr> <tr> <td>2000h - 0630h</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td rowspan="4">Saturday</td> <td>0630h - 0730h</td> <td>55 dB</td> <td>75 dB</td> </tr> <tr> <td>0730h - 1800h</td> <td>70 dB</td> <td>85 dB</td> </tr> <tr> <td>1800h - 2000h</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td>2000h - 0630h</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td rowspan="4">Sunday and Public Holidays</td> <td>0630h - 0730h</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td>0730h - 1800h</td> <td>55 dB</td> <td>85 dB</td> </tr> <tr> <td>1800h - 2000h</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td>2000h - 0630h</td> <td>45 dB</td> <td>75 dB</td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>Other occupied buildings</b></td> </tr> <tr> <td rowspan="2">All</td> <td>0730h – 1800h</td> <td>70 dB</td> <td></td> </tr> <tr> <td>1800h – 0730h</td> <td>75 dB</td> <td></td> </tr> </tbody> </table> <p>Where compliance with the noise criteria set out in Table CNVM1 is not practicable, then the methodology in Condition CNVM.4 shall apply.</p>	Day of week	Time period	L <sub>Aeq(15min)</sub>	L <sub>AFmax</sub>	<b>Occupied activity sensitive to noise</b>				Weekday	0630h - 0730h	55 dB	75 dB	0730h - 1800h	70 dB	85 dB	1800h - 2000h	65 dB	80 dB	2000h - 0630h	45 dB	75 dB	Saturday	0630h - 0730h	55 dB	75 dB	0730h - 1800h	70 dB	85 dB	1800h - 2000h	45 dB	75 dB	2000h - 0630h	45 dB	75 dB	Sunday and Public Holidays	0630h - 0730h	45 dB	75 dB	0730h - 1800h	55 dB	85 dB	1800h - 2000h	45 dB	75 dB	2000h - 0630h	45 dB	75 dB	<b>Other occupied buildings</b>				All	0730h – 1800h	70 dB		1800h – 0730h	75 dB	
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<p>CNVM.3</p>	<p>Construction vibration must be measured in accordance with ISO 4866:2010 <i>Mechanical vibration and shock – Vibration of fixed structures – Guidelines for the measurement of vibrations and evaluation of their effects on structures</i>. The Category A construction vibration criteria in Table CNVM2 must be complied with as far as practicable. If measured or predicted vibration from construction activities exceeds the Category A criteria, a Suitably Qualified and Experienced Person must assess and manage construction vibration during those activities. If measured or predicted vibration from construction activities exceeds the Category B criteria those activities must only proceed if vibration effects on</p>																																																										

	<p>affected buildings are assessed, monitored and mitigated by a Suitably Qualified and Experienced Person.</p> <p><b>Table CNVM2</b> Construction vibration criteria</p> <table border="1"> <thead> <tr> <th data-bbox="383 348 597 394">Receiver</th> <th data-bbox="597 348 977 394">Details</th> <th data-bbox="977 348 1198 394">Category A</th> <th data-bbox="1198 348 1414 394">Category B</th> </tr> </thead> <tbody> <tr> <td data-bbox="383 394 597 548" rowspan="2">Occupied Activities sensitive to noise</td> <td data-bbox="597 394 977 447">Night-time 2000h - 0630h</td> <td data-bbox="977 394 1198 447">0.3mm/s ppv</td> <td data-bbox="1198 394 1414 447">1mm/s ppv</td> </tr> <tr> <td data-bbox="597 447 977 548">Daytime 0630h - 2000h</td> <td data-bbox="977 447 1198 548">1mm/s ppv</td> <td data-bbox="1198 447 1414 548">5mm/s ppv</td> </tr> <tr> <td data-bbox="383 548 597 667">Other occupied buildings</td> <td data-bbox="597 548 977 667">Daytime 0630h - 2000h</td> <td data-bbox="977 548 1198 667">2mm/s ppv</td> <td data-bbox="1198 548 1414 667">5mm/s ppv</td> </tr> <tr> <td data-bbox="383 667 597 915" rowspan="2">All other buildings</td> <td data-bbox="597 667 977 779">At all other times Vibration transient</td> <td data-bbox="977 667 1198 779">5mm/s ppv</td> <td data-bbox="1198 667 1414 779">BS 5228-2* Table B2</td> </tr> <tr> <td data-bbox="597 779 977 915">At all other times Vibration continuous</td> <td data-bbox="977 779 1198 915">5mm/s ppv</td> <td data-bbox="1198 779 1414 915">BS 5228-2* 50% of Table B2 values</td> </tr> </tbody> </table>	Receiver	Details	Category A	Category B	Occupied Activities sensitive to noise	Night-time 2000h - 0630h	0.3mm/s ppv	1mm/s ppv	Daytime 0630h - 2000h	1mm/s ppv	5mm/s ppv	Other occupied buildings	Daytime 0630h - 2000h	2mm/s ppv	5mm/s ppv	All other buildings	At all other times Vibration transient	5mm/s ppv	BS 5228-2* Table B2	At all other times Vibration continuous	5mm/s ppv	BS 5228-2* 50% of Table B2 values
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<p>CNVM.4A</p>	<p>Unless otherwise provided for in a CNVMP, a Construction Noise or Vibration Management Schedule (Schedule) to the CNVMP shall be prepared by a Suitably Qualified and Experienced Person, in consultation with the owners and occupiers of sites subject to the Schedule:</p> <ul style="list-style-type: none"> <li>a. Where nighttime (2200-0700) construction works are being undertaken and dwellings are located closer than 25m from the works area; OR when:</li> <li>b. Construction noise is either predicted or measured to exceed the criteria in Condition CNVM.2.</li> <li>c. Construction vibration is either predicted or measured to exceed the Category A standard at the receivers in Condition CNVM.3.</li> </ul>																						
<p>CNVM.4B</p>	<p>The objective of the Schedule in CNVM.4A is to set out the best practicable option for the management of noise and vibration effects of the construction activity. The Schedule shall as a minimum set out:</p> <ul style="list-style-type: none"> <li>a. Construction activity location, start and finish dates;</li> <li>b. The predicted noise/vibration level for the construction activity;</li> <li>c. The mitigation options that have been selected and the options that have been discounted as being impracticable and the reasons why. The</li> </ul>																						

	<p>mitigation options shall take into account where practicable, the use of the site and/or any operational requirements of the site;</p> <ul style="list-style-type: none"> <li>d. The proposed noise/vibration monitoring regime; and</li> <li>e. Document the consultation undertaken with owners and occupiers of sites subject to the Schedule, and how consultation outcomes have and have not been taken into account. The consultation shall be in addition to the requirements set out in Condition CMP.1.</li> </ul>
CNVM.4C	The Schedule in condition CNVM.4A shall be submitted to the Team Leader Compliance Monitoring North West for information, in advance of Construction Works which are covered by the scope of the Schedule, except in unforeseen circumstances.
CNVM.4D	The Schedule in condition CNVM.4A shall be implemented for the duration of the construction works which are covered by the scope of the Schedule.
Wastewater (WW) Condition	
WW.1	The Requiring Authority will be responsible for all onsite service relocations required for construction of the Project. The Requiring Authority shall work with private property owners at 238 SH16, 264 SH16, 264A SH16, 1404/1368 Coatesville Riverhead Highway and 340 SH16 to develop methodologies and timing for any relocations of private onsite wastewater systems that are necessary a result of the Project.