



1. Existing Photo



2. Photo-illustration of the proposed pipe crossing Opanuku Stream



1. Exiting Photo



2. Photo-illustration of the proposed pipe crossing Opanuku Stream



LANDSCAPE AND VISUAL IMPACT ASSESSMENT FIGURES - APPENDIX B

NOR2 - NORTH HARBOUR 2 WATERMAIN AND NORTHERN INTERCEPTOR SHARED CORRIDOR

FOR WATERCARE

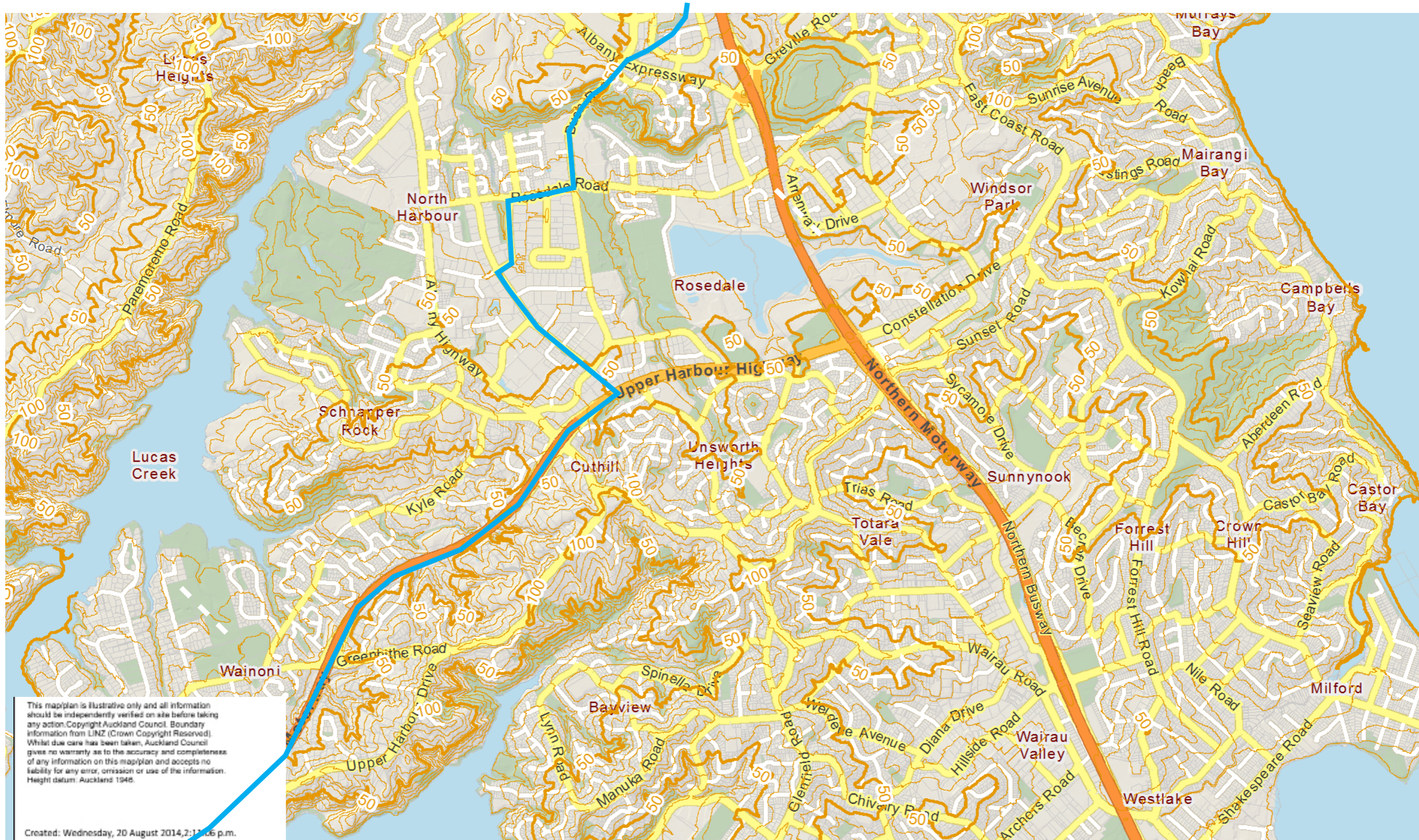
APRIL 2016 - 001 (FINAL)

REFER TO TECHNICAL REPORT G - LANDSCAPE AND VISUAL IMPACT ASSESSMENT



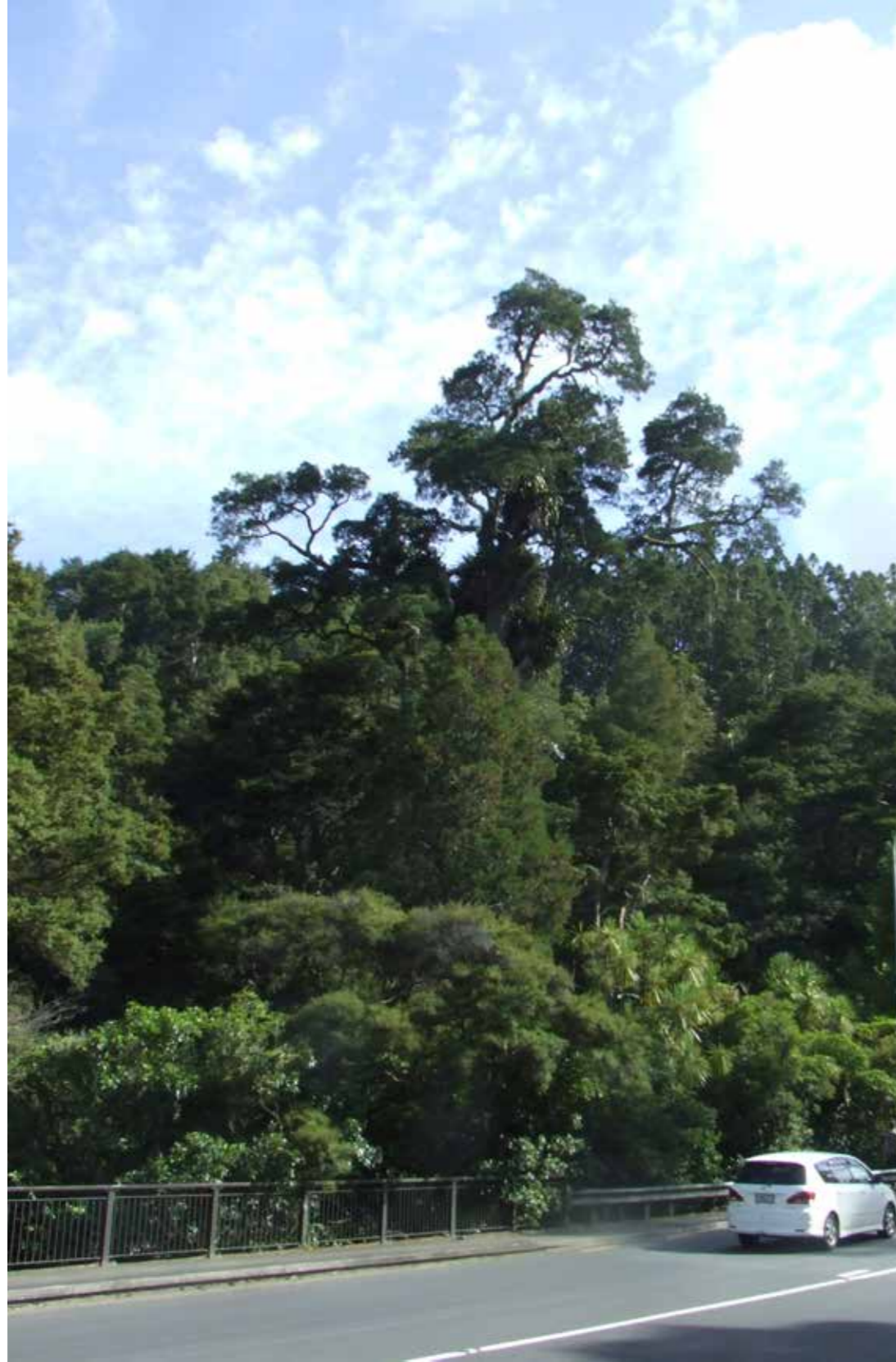
photo location map (1:25000@A3 approximately - taken from Auckland Council GIS viewer)

NORTH HARBOUR 2 WATERMAIN AND NORTHERN INTERCEPTOR SHARED CORRIDOR - LANDSCAPE AND VISUAL IMPACT ASSESSMENT FIGURES
LOCATION PLAN AND KEY VIEWPOINT LOCATIONS



contour map (1:25000@A3 approximately - taken from Auckland Council GIS viewer)

NORTH HARBOUR 2 WATERMAIN AND NORTHERN INTERCEPTOR SHARED CORRIDOR - LANDSCAPE AND VISUAL IMPACT ASSESSMENT FIGURES
TOPOGRAPHY - CONTOURS



1. The vegetation surrounding Oteha stream provides a high level of visual amenity and natural character with well-established, large native trees



2. The above scene is typical of the light industrial area which includes William Pickering Drive, Bush Road and Rosedale Road. Buildings are typically 2-3 stories and set

back from the road reserve. The area has an open character.



3. The stream bed and banks of Oteha Stream has a high level of natural character with little modification visible.



4. The SH18 highway corridor is highly modified with large built structures and modification of the underlying landform



1. View from the Albany Reservoir looking southwest across to Spencer Ridge Reserve



2. View looking southwest from Corinthian Drive, Albany



3. View looking northeast, back up Bush Road towards Albany town centre, across Oteha Stream



4. View looking southwest on Bush Road from Oteha Stream



5. View looking northeast across the Upper Harbour Highway / Albany intersection



6. View looking northeast across the Upper Harbour Highway / Albany intersection



LANDSCAPE AND VISUAL IMPACT ASSESSMENT FIGURES - APPENDIX C

NH2 & NI - NOR3 - SHARED CORRIDOR INCLUDING MICRO TUNNEL PITS & HOBSONVILLE PUMP STATION

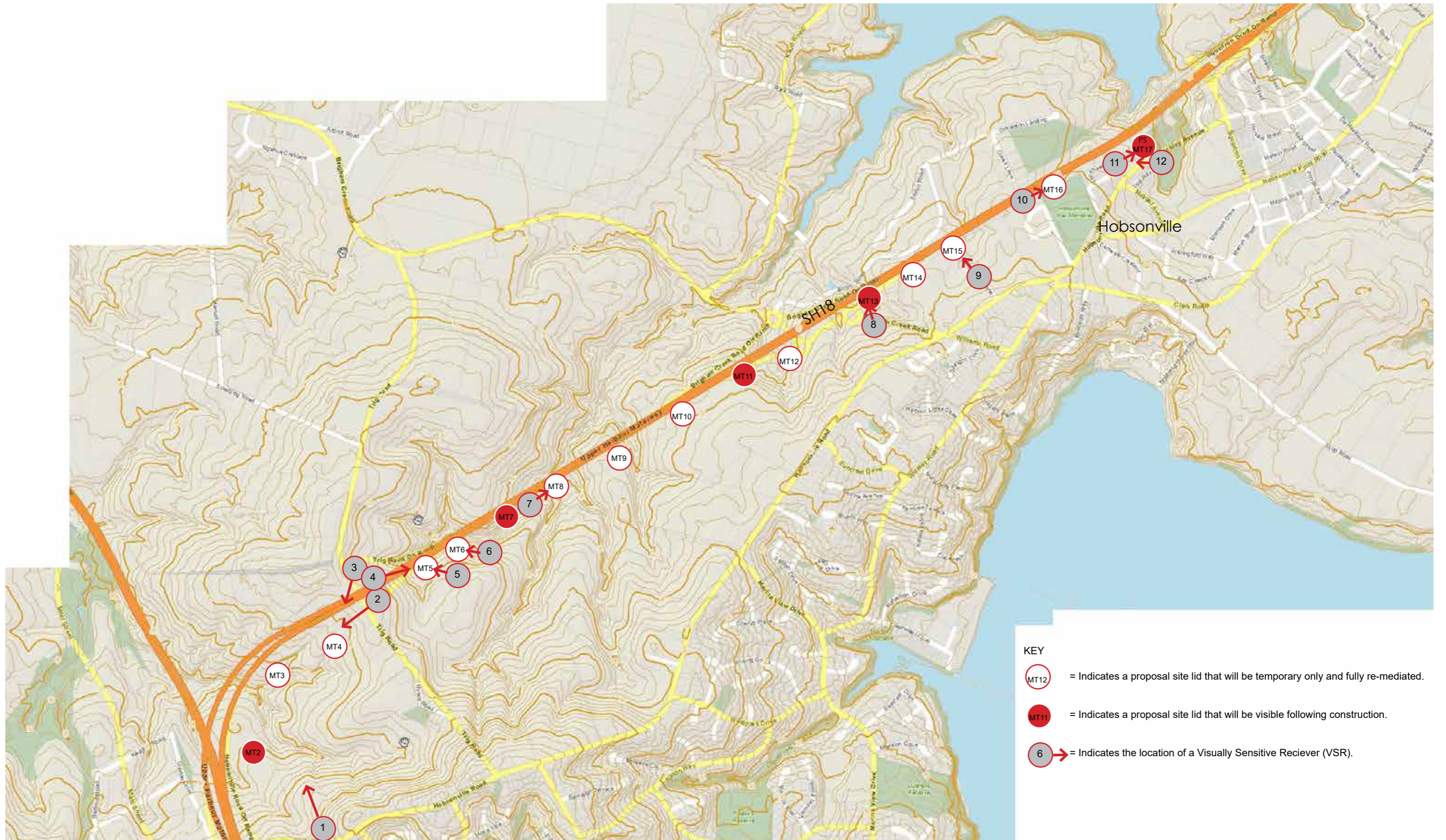
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Aerial image of proposal sites.



Contour map



1. Large built structures, including the road itself, dominate the character of the corridor to create an 'infrastructure, modified' context



2. The corridor is heavily modified with few original natural elements remaining



3. Both sides of the motorway corridor are planted with native vegetation. The planting is young and any loss can easily be mitigated with replacement planting



4. This photo was taken on Hobsonville Road to show the open character of the area, although this area is in 'transition' with increasing residential development proposed.



5. This photo was taken at the Brigham Creek Road intersection to show the infrastructural character of the receiving environment. Note the chain mesh fencing, light poles, signs and sealed surfaces.



6. View from a resident on Hobsonville Road towards MT2, MT3 & MT4. The middle ground is agricultural while the background is of the motorway and associated infrastructure.



7. View of 21 Trig Road which on Trig Road overlooks MT5. The motorway is directly behind the photographer. The view of the micro-tunnel pit lid will be screened by surrounding native planting, and will be viewed along with other infrastructural elements.



8. The photo above shows the motorway utility area on the corner of Trig Road and the access road to 51 Trig Road. Its is partially screened by establishing native motorway



9. This photo was taken on the access way to 51 Trig Road of a wetland area and establishing native motorway planting. SH18 is in the background.



10. This photo is of 39 Trig Road. The resident directly overlooks MT7 and MT8. The headwall structure is visible in the foreground. The resident currently overlooks the motorway and abandoned house at 51 Trig Road.



11. View from the entrance to 51 Trig Road towards the derelict house adjacent to the proposed MT8. The approximate 5m high motorway acoustic fence is to the left of the photo. Headwall structures are visible in the foreground.



12. Pump house on Buckleys Road adjacent to MT17 and new Pump Station site.



13. Typical view from vehicle on SH18 of motorway planting and acoustic fence. Planting and fencing will typically prevent views of the proposal following replanting.



14. This photo was taken from MT15 with Sinton Road to the right. Development of the surrounding area is under construction.



15. This photo shows Buckleys Road in the middle ground and the new residential development of Hobsonville. The MT17/ Pumpstation site is to the left.



1. View looking north from Hobsonville Drive towards proposed MT2, MT3 & MT4



2. View looking south-west from Trig Road towards proposed MT2, MT3 & MT4.



3. View looking south-west from Trig Road towards proposed MT2, MT3 & MT4.



4. View looking north-east from Trig Road overpass



5. View looking east from the accessway to 51 Trig Road towards proposed MT5.



6. View looking west from the accessway to 51 Trig Road towards proposed MT6. Gates are access to utility



7. View looking east from the accessway to 51 Trig Road towards proposed MT8. The SH18 acoustic fence is on the left and existing dwelling to be demolished ahead.



8. View looking north from Brigham Creek Road towards proposed MT13. SH18 is in the background.



9. View looking north-west from Sinton Road towards proposed MT15.



10. View looking east from pedestrian overpass at the end of Ockleston Road towards proposed MT16. SH18 is to the left of the photo.



11. View looking north-east from the pedestrian footpath linking to Buckley Avenue towards proposed Pump-station/MT17. Housing to the opposite side of Buckley Avenue to the right of the photo.



12. View looking west from Buckley Avenue towards proposed Pump-station/MT17. Housing on Buckley Avenue to the left of the photo.

Botanical Name	Common Name	Size (height-mm, or pot size-L)	Estimated Height after 5 years (m)	Quantity	Spacing (mm)
<i>Trees</i>					
Beilschmiedia tarairi	Taraire	Pb95/40	3	13	5,000
Cordyline australis	Cabbage tree	Pb18	3-4	86	1500
Knightia excelsa	Rewarewa	Pb95/40	3-4	31	6000
Myoporum laetum	Ngaio	Pb95/40	2	12	5000
Pittosporum eugenioides	Tarata, Lemonwood	1.0L	4	73	1200
Vitens lucens	Puriri	1.0L	4	14	5000
<i>Shrub / Ground Cover</i>					
Carmichaelia australis	NZ native broom	Pb8	2	66	1500
Cortaderia fulvida	Toetoe	Pb8	2	100	1500
Griselinia littoralis	Broadleaf	Pb12	2-3	133	1500
Metrosideros perforata	White rata	Pb8	1	30	1000
Muehlenbeckia astonii	Stony tarararo	Pb5	1.5	133	1500
Phormium tenax	Flax	Pb8	2-3m	133	1500



Beilschmiedia tarairi
Taraire



Cordyline australis
Cabbage tree



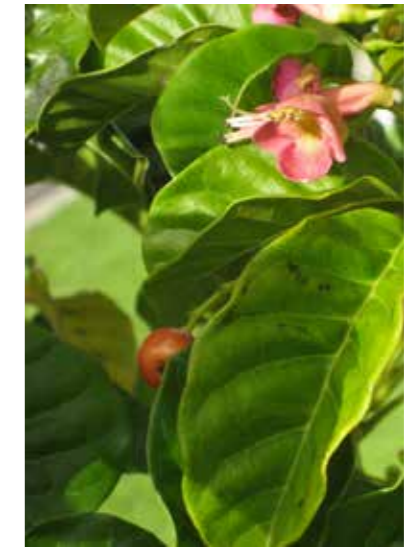
Knightia excelsa
Rewarewa



Myoporum laetum

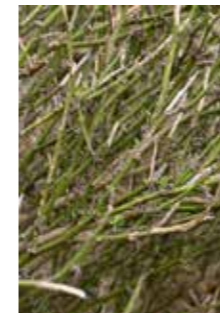


Pittosporum eugenioides
Tarata, Lemonwood



Vitex lucens
Puriri

specimen



Carmichaelia australis
NZ Native Broom



Cortaderia fulvida
Toetoe



Griselinia littoralis
Broadleaf



Phormium tenax
Flax



Metrosideros perforata
white rata



Muehlenbeckia astonii
shrubby tarararo

shrubs