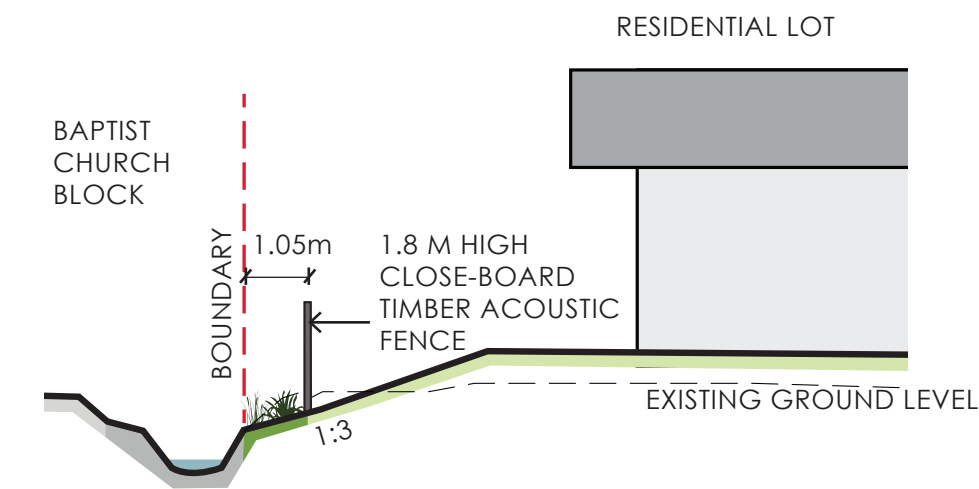


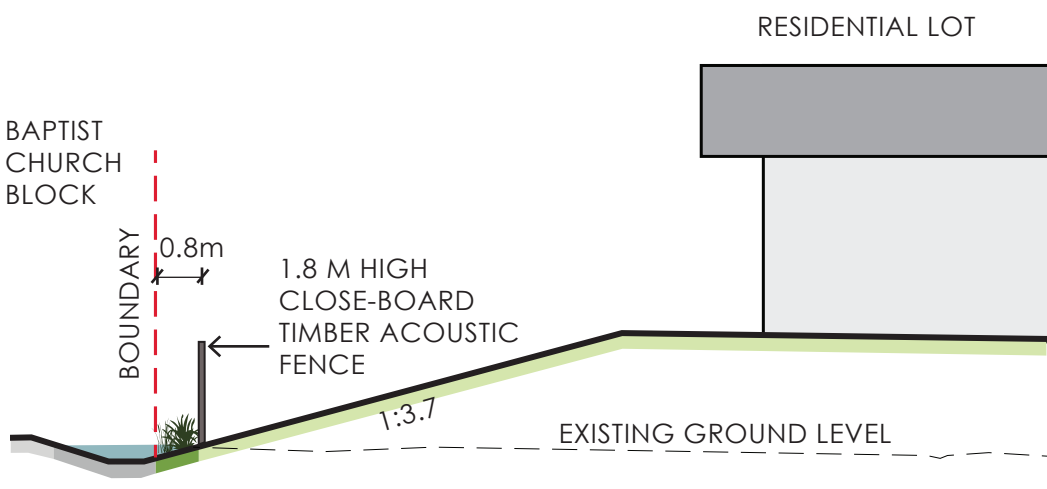
BOUNDARY SECTIONS

INTERFACE WITH BAPTIST CHURCH BLOCK



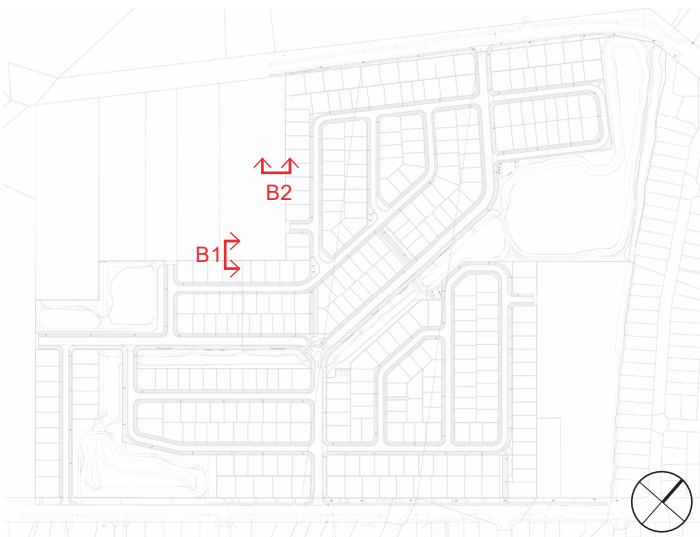
CROSS SECTION B1

Scale 1:150@A3.
1:1mH, 1:1mV



CROSS SECTION B2

Scale 1:150@A3.
1:1mH, 1:1mV



LOCATION PLAN

NTS



PANORAMA LOOKING TOWARDS THE BAPTIST CHURCH BLOCK FROM MIDDLE ROAD



EXAMPLE IMAGE -
1.8M HIGH TIMBER ACOUSTIC FENCE

PLANTING AND MATERIALS PALETTES

TREES

APPROACH

Trees are used to establish structure across the network of streets, routes, and open spaces.

A ‘right tree, right place’ approach underpins the planting strategy, combining native and exotic species selected to suit the scale, form, and environmental context of each location.

The primary internal road corridor is defined by large exotic trees that reinforce its hierarchy within the subdivision. In contrast, local streets and jointly owned access lots (JOALs) are planted predominantly with smaller native species, complemented by select deciduous exotics to provide seasonal variation. Along the main corridor, the ‘play and fitness along the way’ route is characterised by clustered groupings of locally appropriate native trees, creating a more informal and immersive landscape experience. The edge of the Herehere Stream is framed by a 10-metre-wide native planting reserve, establishing a strong riparian corridor.

The overall strategy and detailed species palette are outlined in the following pages.



TREE PALETTE

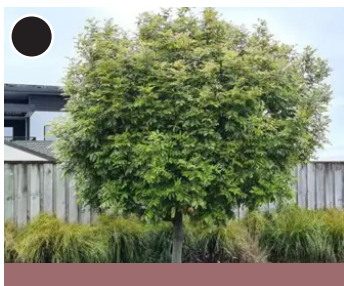
NATIVE TREES

Native trees are planted in clusters in the reserve and Herehere stream reserve, in the ‘play and fitness along the way’ route, in the typical streets and green pedestrian link. Species are selected from trees that would naturally occur on this site and connect with the river terrace landscape context.

GREEN LINK AND STREET



POHUTUKAWA
Metrosideros ‘Maori Princess’



TĪTOKI
Alectryon excelsus



TŌTARA
Podocarpus totara

● From the Hastings Residential Intensification Design Guide 2020.

LOCAL PURPOSE RESERVE & HEREHERE STREAM RESERVE



TŌTARA
Podocarpus totara



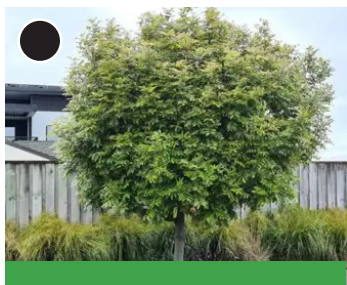
WHAUWHI
Hoheria lyallii



KOWHAI
Sophora microphylla



TĪ KOUKA
Cordyline australis



TĪTOKI
Alectryon excelsus



MAHOE
Melicytus ramiflorus



KĀNUKA
Kunzea ericoides



LANCEWOOD
Pseudopanax crassifolius



TREE PALETTE

EXOTIC TREES

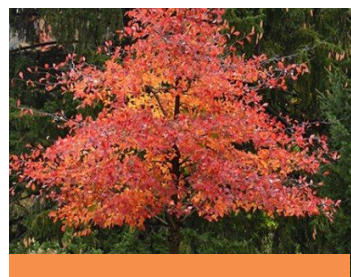
Trees are used to provide structure, communicate a hierarchy of streets, and help to integrate the development with the existing rural/residential context.

For street planting, the scale of the tree is relative to the scale of the street, with the main internal road corridor lined with the largest trees, the internal streets receiving a second tier, and the courtyards/JOALs featuring smaller flowering and fruiting trees.

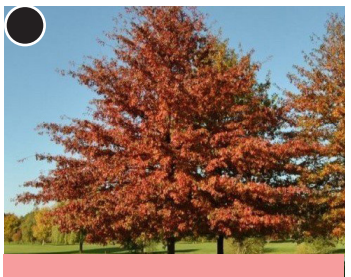
Deciduous exotic species are selected for use in streets based on their overall suitability, including a canopy forming shape, speed of growth to achieve the desired scale within 10-years, ability to have a clear trunk from a young age for vehicle visibility, and ability to survive in the tougher urban street environment.

The trees selected provide a range of seasonal changes, including fruit, flowers and beautiful autumn colour, with leaves falling to allow sunlight into properties in winter.

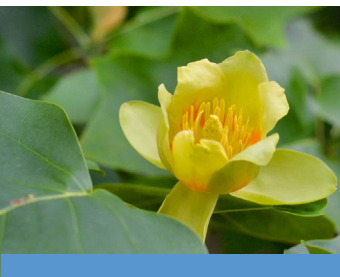
FEATURE TREES



TUPELO
Nyssa sylvatica

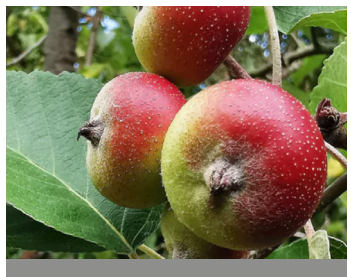


PIN OAK
Quercus palustris

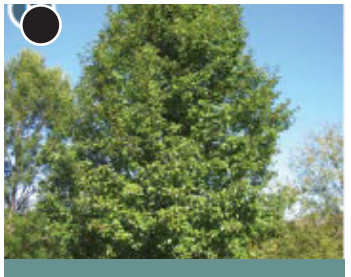


TULIP TREE
Liriodendron tulipifera

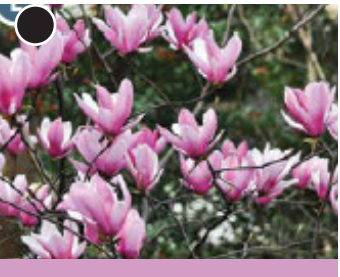
TYPICAL STREET



CHONOSUKI CRABAPPLE
Malus tschonoskii



ORNAMENTAL PEAR
Pyrus calleryana 'Aristocrat'

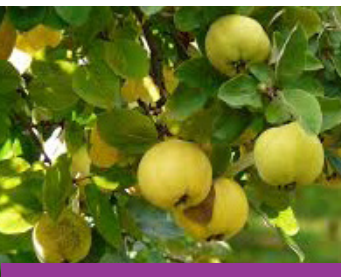


MAGNOLIA
Magnolia spp.



MAIDENHAIR TREE
Ginkgo biloba spp.

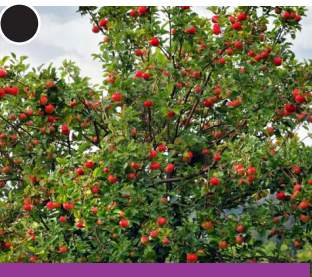
FRUIT TREES



QUINCE
Cydonia oblonga



APRICOT
Prunus spp.



APPLE
Malus spp.



PLANTING

DESIGN INTENT

Planting is used to integrate the development into the context and provide amenity in the green streets and JOALs. There are four broad planting areas that perform different roles.

- AMENITY PLANTING:**

ENTRANCES

Low maintenance, low-growing, drought tolerant, predominantly native low shrubs and grasses.
- BATTER PLANTING (LOW PLANT MIX):**

LOCAL PURPOSE RESERVE EDGE & 'PLAY & FITNESS ALONG THE WAY'

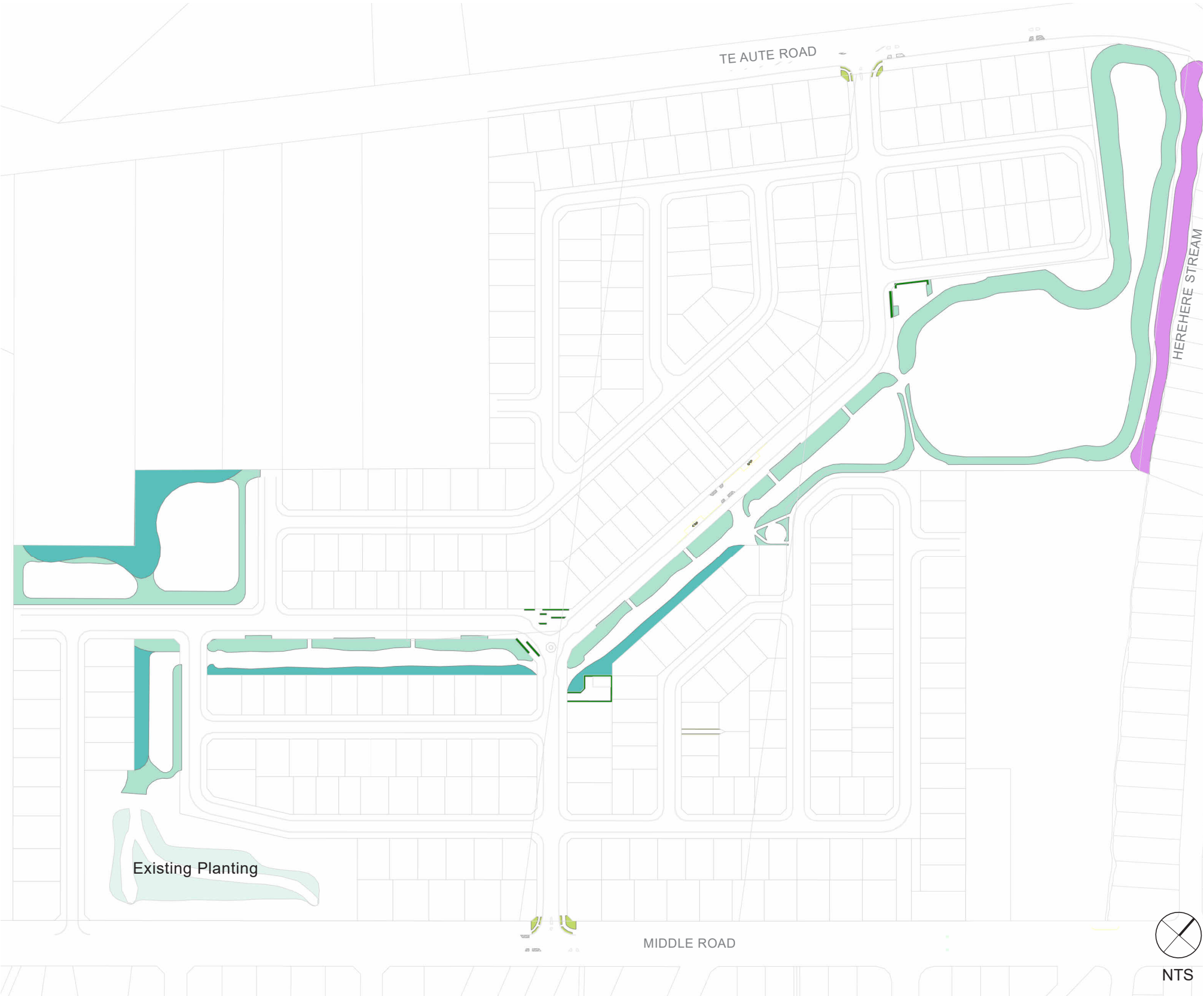
Swathes of low growing predominantly native grasses, flaxes and ground covers with clusters of specimen native trees. Provides clear sight lines across the reserve.
- BATTER PLANTING (SHRUB PLANT MIX):**

LOCAL PURPOSE RESERVE EDGE BUFFER PLANTING

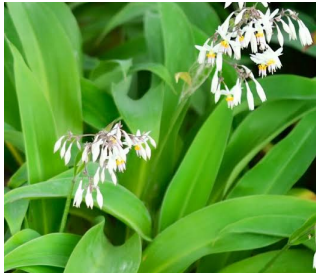
Buffer planting of predominantly native shrub planting to form intermittent screening of houses.
- HEREHERE STREAM RIPARIAN PLANTING**

Riparian native planting mixes placed according to bank levels and proximity to stream. Native species provide habitat. Native trees provide shade to the stream.
- HEDGING**

1-1.8m high native hedging.



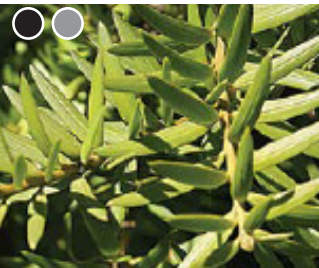
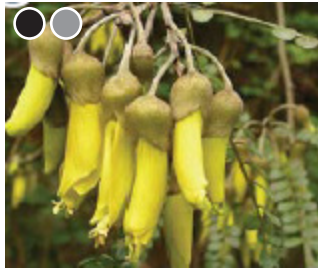
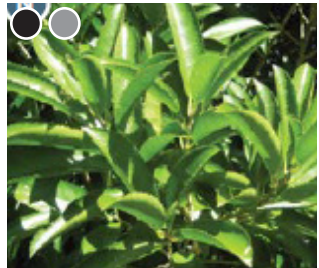
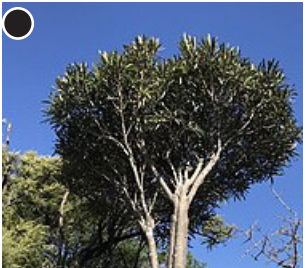
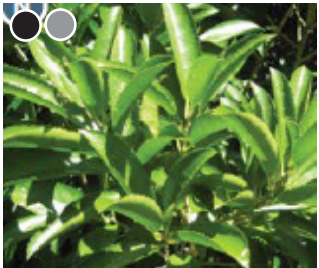
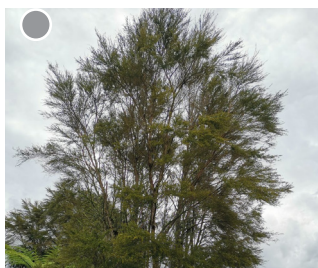
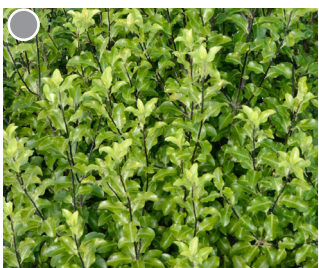
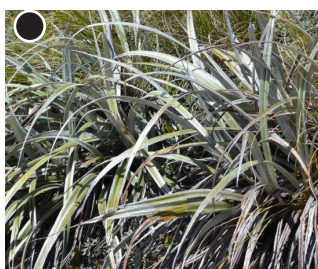
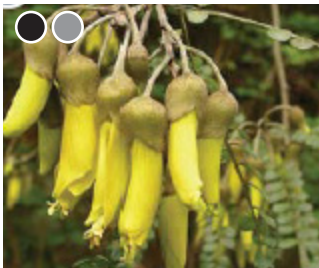
PLANTING PALETTE

GREEN STREETS / ENTRANCE	KEY SPECIES					
						
	DWARF FLAX <i>Phormium 'Emerald Gem'</i>	PANAKENAKE <i>Lobelia angulata</i>	MIKOIMIKOI <i>Libertia ixioides</i>	COPROSMA ACEROSA <i>spp.</i>	FAIRY IRIS <i>Dietes grandiflora</i>	SCRAMBLING FUCHSIA <i>Fuchsia perscandens</i>
						
	MAKURA <i>Carex secta</i>	RENGARENGA <i>Arthropodium cirratum</i>	WĪWĪ <i>Poa cita</i>	FAIRY IRIS <i>Dietes grandiflora</i>	OIOI <i>Apodasmia similis</i>	LOMANDRA <i>Lomandra nyalla</i>
RESERVE LOW PLANTING						
						
	TARATA <i>Pittosporum eugeniioides</i>	TOETOE <i>Austroderia fulvida</i>	KOROMIKO <i>Hebe stricta</i>	HARAKEKE <i>Phormium tenax</i>	KAHAKAHA <i>Astelia nervosa</i>	POHUEHUE <i>Muehlenbeckia axillaris</i>
RESERVE BUFFER PLANTING						

● From the Hastings Residential Intensification Design Guide 2020.

PLANTING PALETTE

- From the Hastings Residential Intensification Design Guide 2020.
- From the Karanema Havelock North Streams Planting Guide 2025.

HEREHERE STREAM RIPARIAN PLANTING	UPPER STREAM BANK MIX					
		TŌTARA <i>Podocarpus totara</i>	TI KOUKA <i>Cordyline australis</i>	KŌWHAI <i>Sophora sp</i>	MAHOE <i>Melicytus ramiflorus</i>	LANCEWOOD <i>Pseudopanax crassifolius</i>
						
		POHUEHUE <i>Muehlenbeckia axillaris</i>	SCRAMBLING FUCHSIA <i>Fuchsia perscandens</i>	RIGID MIKIMIKI <i>Coprosma rigida</i>	TOETOE <i>Austroderia fulvida</i>	KAHAKAHA <i>Astelia nervosa</i>
						
	BANK FACE MIX	HOUHERE <i>Hoheria sexstylosa</i>	MAHOE <i>Melicytus ramiflorus</i>	KĀNUKA <i>Kunzea ericoides</i>	KOHUHU <i>Pittosporum sp</i>	NGAIO <i>Myoporum laetum</i>
						
		TOETOE <i>Austroderia fulvida</i>	KOROMIKO <i>Hebe stricta</i>	KAHAKAHA <i>Astelia nervosa</i>	POHUEHUE <i>Muehlenbeckia axillaris</i>	HARAKEKE <i>Phormium tenax</i>
						
		KŌWHAI <i>Sophora sp</i>	KĀNUKA <i>Kunzea ericoides</i>	TI KOUKA <i>Cordyline australis</i>	UPOKO TANGATA <i>Cyperus ustulatus</i>	PUKIO <i>Carex virgata</i>
	BANK EDGE MIX					
						WĪWĪ <i>Juncus sp</i>

PLANT LIST

Type	Botanical name	Common name	Deciduous	Evergreen	Palettes							Plant size and spacing					Environmental tolerances									
					Te Aute Rd	Middle Rd	Typical Road 20m	Green Street 18m	Typical street 16m	Feature Trees, Pocket Parks, Entry	Medium Height Reserve Edge Planting	Low Reserve Edge Planting	Herchere Stream	Height at planting (m) min	L grade	Spacing (m)	Height (m) at 2-years	Height (m) at 10-years	Drainage			Sun			Wind	
																			Wet - can tolerate clay	Moist but free draining	Dry	Shade	Partial Shade	Full sun	Can be exposed	Needs shelter
Ground covers																										
	Coprosma acerosa	Coprosma acerosa	x						x	x				0.2	1	0.8	0.3	0.4		x	x			x	x	
	Coprosma repens	Coprosma 'Poor Knights'	x						x	x				0.2	1	0.8	0.3	0.4		x	x			x	x	
	Lobelia angulata	Panakenake	x						x			x		0.2	1	0.8	0.3	0.3		x			x			
	Fuchsia procumbens	Scrambling fuchsia	x										x	0.2	1	0.8	0.2	0.2		x	x		x	x	x	
	Muehlenbeckia axillaris	Pohuehue	x						x				x	0.2	1	0.8	0.3	0.4		x	x			x	x	
	Thymus serpyllum	Creeping thyme	x						x					0.1	1	0.8	0.1	0.2		x	x			x	x	
Grasses/reeds																										
	Apodasmia similis	Oioi	x							x	x			0.3	1	0.8	0.8	0.8		x	x	x		x	x	
	Arthropodium cirratum	Rengarenga	x						x		x			0.3	1	0.5	0.5	0.5			x	x	x			x
	Carex secta	Makura	x									x		0.3	1	0.8	0.8	0.8		x	x			x	x	
	Carex virgata	Pukio	x									x		0.5	1	0.5	1	1		x				x	x	
	Carex uncinata	Hooks sedge	x									x		0.2	1	0.6	0.5	0.8		x	x	x		x	x	
	Carex virgata	Purei	x									x		0.2	1	0.6	0.5	0.6		x	x			x	x	
	Cyperus ustulatus	Upoko tangata	x									x		0.5	1	0.5	1	1		x				x	x	
	Dianella nigra	Turutu	x						x		x			0.3	1	0.6	0.6	0.6			x				x	
	Dietes grandiflora	Fairy iris	x						x		x			0.2	1	0.8	0.5	0.8			x	x		x	x	
	Juncus sp	Wiwi	x									x		0.5	1	0.5	1	1.5		x				x	x	
	Lomandra nyalla	Lomandra	x						x		x			0.3	1	0.6	0.6	0.8							x	
	Libertia ixioides	Mikoimikoi	x						x		x			0.2	1	0.4	0.4	0.4			x			x	x	
	Poa cita	Wiwi	x						x		x			0.3	1	0.5	0.5	0.5				x		x	x	
Small shrubs <2m																										
	Astelia nervosa	Kahakaha	x						x	x		x		0.3	2.5	0.8	0.8	1.2			x		x			x
	Austroderia fulvida	Toetoe	x							x		x		0.5	2.5	1.5	1.5	2			x	x	x		x	
	Coprosma rigida	Coprosma	x							x		x		0.3	2.5	0.5	0.6	0.6		x					x	
	Hebe stricta	Koromiko	x							x		x		0.5	2.5	1.2	1	2			x	x		x	x	
	Phormium cookianum ssp. hookerii	Coastal flax	x							x		x		0.3	2.5	1.2	1	1.5				x	x	x	x	
	Phormiumcookianum ‘Emerald Gem’	Mountain flax	x						x	x				0.3	2.5	1	0.8	1.2			x	x		x	x	
Large shrubs/small trees																										
	Coprosma lucida	Karanga	x						x					0.5	2.5	1.5	1	6			x	x		x	x	
	Coprosma propinqua	Mingimingi	x							x				0.5	2.5	1	1	3		x	x	x		x	x	
	Coprosma robusta	Karamu	x							x				0.8	2.5	3	2	5		x	x	x		x	x	
	Geniostoma ligustrifolium	Hangehange	x							x		x		0.5	2.5	1	1	3			x	x		x	x	
	Kunzea ericoides	Kanuka	x								x			1.2	2.5	2	2	5			x	x		x	x	
	Phormium tenax	Harakeke	x									x		0.5	2.5	1.5	1.5	2.5		x	x	x		x	x	
	Pittosporum colensoi	Pittosporum	x									x		0.5	2.5	1.5	2	5			x			x	x	
	Pittosporum eugenioides	Tarata	x									x		1	2.5		1.8	4			x	x			x	
	Pseudopanax arboreus	Five-finger	x									x		0.8	2.5	1.5	2	8			x			x	x	
	Pseudopanax crassifolius	Lancewood	x						x			x		0.8	2.5	1.5	1.2	4			x	x	x			x
	Pseudopanax lessonii	Houpara	x									x		0.5	2.5	1.5	2	6			x	x		x	x	
Trees native																										
	Alectryon excelsa	Titoki	x			x	x	x			x			2.5, 3	12, 45	As per plan	4	6			x				x	x
	Cordyline australis	Ti kouka	x								x	x		1	12	2	1.5	6		x	x	x		x	x	
	Hoheria sextylosa	Houhere	x								x	x		2	12	3	2	6			x	x		x	x	
	Podocarpus totara	Totara	x			x		x			x	x		3	12, 45	As per plan	4	6			x	x		x	x	
	Metrosideros ‘Maori Princess’	Pohutukawa	x			x	x							2	12	As per plan	3	7			x			x	x	
	Melicytus ramiflorus	Mahoe	x								x	x		1.2	12	As per plan	2	8		x			x	x	x	
	Sophora tetraptera	Kowhai	x	x								x	x	2	12	As per plan	2	5			x	x		x	x	
Trees exotic																										
	Pyrus calleryana ‘Aristocrat’	Ornamental pear	x		x			x						3	45, 160	As per plan	3	8			x	x		x	x	
	Ginkgo biloba	Ginkgo (male)	x					x						3	45	As per plan	4	10			x	x		x	x	
	Malus tschonoskii	Chonosuki crabapple	x					x						3	45	As per plan	3	4			x	x		x	x	
	Magnolia spp.	Magnolia	x					x	x					3	45	As per plan	3	5			x	x		x	x	
	Quercus palustris	Pin Oak	x			x								4	160	As per plan	5	8			x			x	x	
	Liriodendron tulipifera	Tulip tree	x						x					4	160	As per plan	5	8			x			x	x	
	Nyssa sylvatica	Tupelo	x			x		x						4	160	As per plan	5	5			x	x		x	x	
Trees fruit																										
	Cydonia oblonga	Quince	x						x					3	80	As per plan	2.5	4				x			x	
	Malus spp.	Apple	x						x					3	80	As per plan	2.5	4			x			x	x	
	Prunus spp.	Apricot	x						x					3	80	As per plan	2.5	4			x			x		x

Note: - Native specimen trees planted on batters should be limited to a maximum container size of 12L.

HARD MATERIALS PALETTE



STREET THRESHOLDS

Eg. Mangatangi Pebble 20mm

Exposed aggregate paving is used with different textures to differentiate between trafficable and pedestrian surfaces.

Locally sourced aggregate is preferred with a warm tone, such as the examples above.

FOOTPATHS

Brush finish concrete, with oxide along 'Play and Fitness along the Way' sections.

RECREATIONAL PATH

Compacted lime chip hoggin.

FURNITURE / ELEMENTS



LIGHT POLE



SOCIAL SEATING

Back and arm rests for accessibility, Mild steel frame and hardwood timber



PICNIC SET

Mild steel frame and hardwood timber

Refer to Woods lighting drawings in substantive application appendices.

Final furniture to be selected in detailed design with HDC.

Together. Shaping Better Places.

Boffa Miskell is a leading New Zealand environmental consultancy with nine offices throughout Aotearoa. We work with a wide range of local, international private and public sector clients in the areas of planning, urban design, landscape architecture, landscape planning, ecology, biosecurity, Te Hīhiri (cultural advisory), engagement, transport advisory, climate change, graphics and mapping. Over the past five decades we have built a reputation for creativity, professionalism, innovation and excellence by understanding each project’s interconnections with the wider environmental, social, cultural and economic context.

