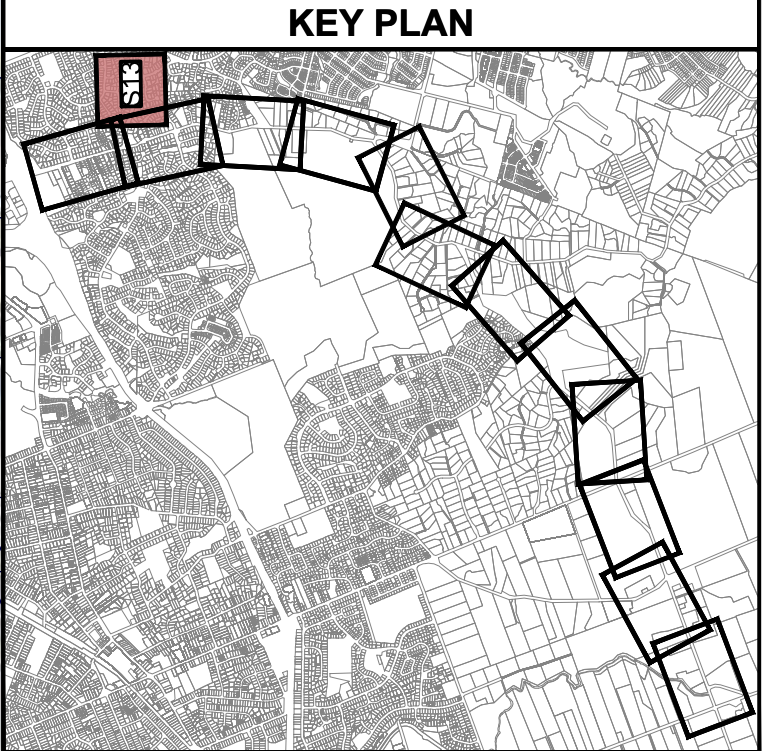




- LEGEND: Planting Plan**
- FOOTPATH
 - SHARED PATH
 - PROPOSED CARRIAGEWAY SURFACING
 - PROPOSED BRIDGE STRUCTURE
 - LAWN
 - GROUNDCOVER MIX
 - LOW VEGETATION MIX
 - RIPARIAN MIX
 - RETAINING WALL MIX
 - SHRUB MIX
 - WETLAND MIX
 - RAINGARDEN MIX
 - SWALE MIX
 - REINSTATEMENT TREATMENTS
 - SIGNIFICANT ECOLOGICAL AREA
 - ECOLOGICAL RESTORATION - A
 - ECOLOGICAL RESTORATION - B
 - 134 MILL ROAD RESTORATION & PLANTING
 - LIZARD HABITAT PLANTING
 - EXISTING RETAINING WALL
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 - PROPOSED RETAINING WALL MECHANICALLY STABILISED EARTH
 - PROPOSED RETAINING WALL BORE PILED
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 - PROPOSED WIRE-ROPE
 - PROPOSED CIVIL DESIGN
 - PROPOSED DESIGNATION BOUNDARY
 - PROPOSED ALTERATION TO DESIGNATION
 - LINZ PROPERTY BOUNDARY
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 - PROPOSED STORMWATER CULVERT
 - EXISTING STORMWATER CULVERT
 - PROPOSED FARM STYLE FENCE
 - PROPOSED BIKE TRACK REINSTATEMENT
 - PROPOSED TREE - URBAN CHARACTER
 - PROPOSED TREE - RURAL CHARACTER
 - PROPOSED TREE - REINSTATEMENT PIN OAK
 - PROPOSED TREE - LARGER SPECIMEN
 - EXISTING SIGNIFICANT TREE

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PROJECT

Mill Road – Stage 1

Consenting Design

Roads of National Significance

REGISTRATION

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SCALE

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PROJECT MANAGEMENT INITIALS		
MBe SLa	ACH SLa	TLi
DESIGNER	CHECKED	APPROVED
PROJECT DATA		
DATUM	AUK46	SURVEY NZTM

ISSUE/REVISION		
G	24.08.26	100% CONSENTING DESIGN
F	04.02.26	100% CONSENTING DESIGN
E	18.11.25	100% CONSENTING DESIGN
D	19.09.25	100% CONSENTING DESIGN
C	12.09.25	100% CONSENTING DESIGN
B	21.07.25	50% CONSENTING DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60755376

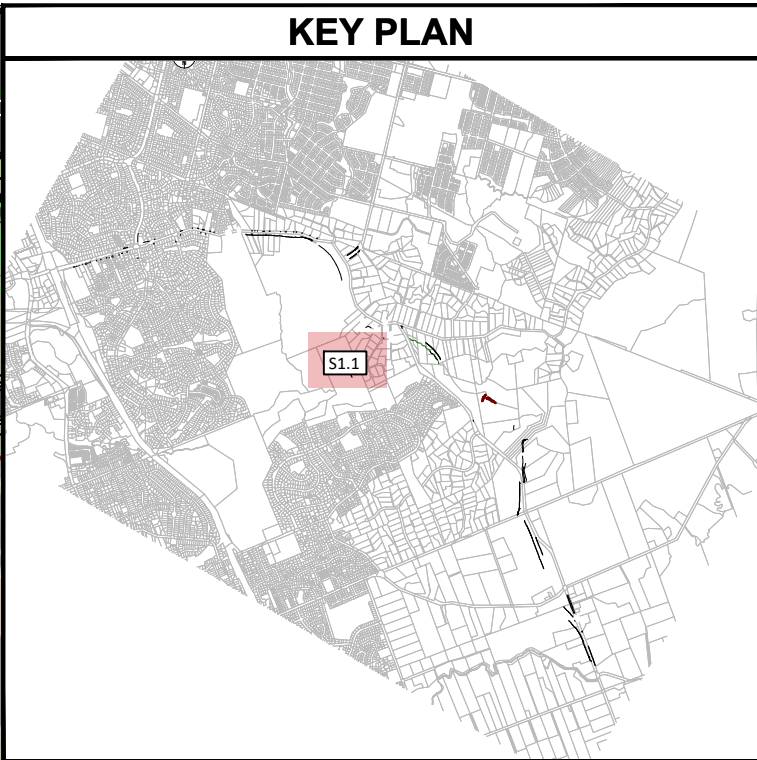
SHEET TITLE

Mill Road RoNS Stage 1 FTA
PLANTING PLAN SHEET 13

SHEET NUMBER

60755376-SHT-LD-0113

ISO A1 594mm x 841mm



- LEGEND: Planting Plan**
- FOOTPATH
 - SHARED PATH
 - PROPOSED CARRIAGEWAY SURFACING
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PROJECT MANAGEMENT INITIALS		
MBe	ACH	TLi
DESIGNER	CHECKED	APPROVED
PROJECT DATA		
DATUM	AUK46	SURVEY NZTM

ISSUE/REVISION		
E	24.08.26	100% CONSENTING DESIGN
D	04.02.26	100% CONSENTING DESIGN
C	18.11.25	100% CONSENTING DESIGN
B	19.09.25	100% CONSENTING DESIGN
A	16.09.25	DRAFT FOR REVIEW
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60755376

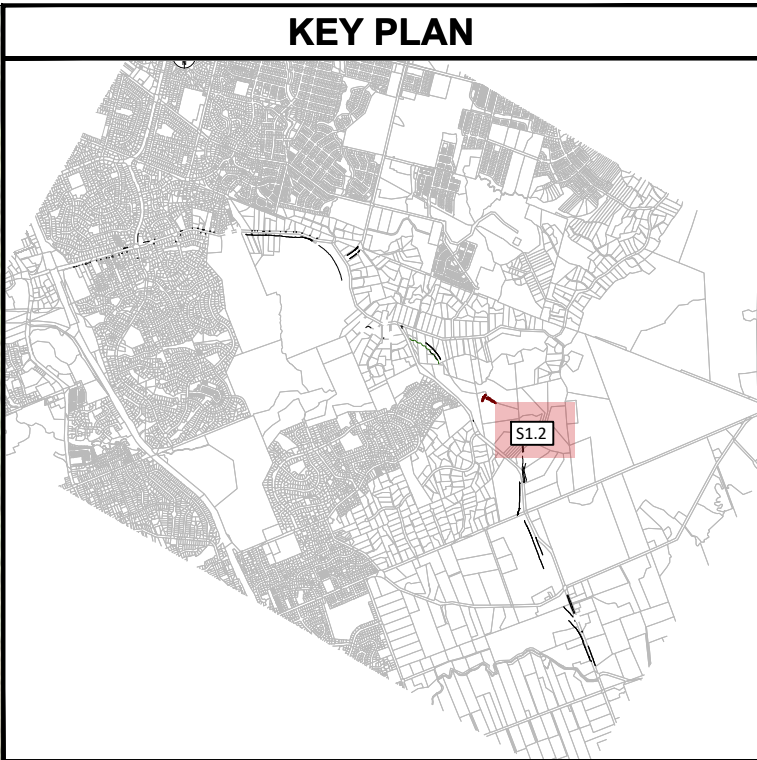
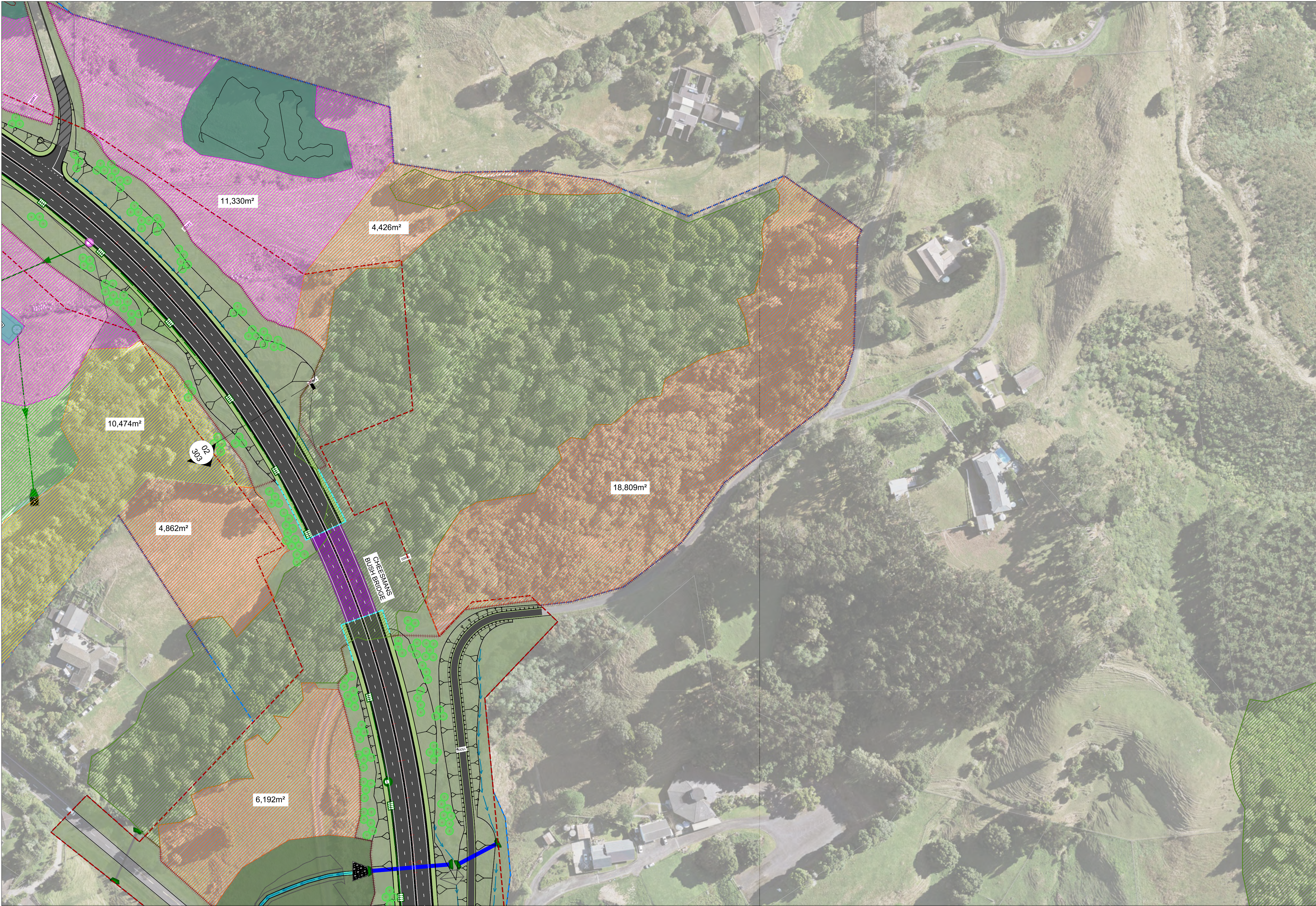
SHEET TITLE

Mill Road RoNS Stage 1 FTA
PLANTING PLAN - ECOLOGY SHEET 1.1

SHEET NUMBER

60755376-SHT-LD-0120

ISO A1 594mm x 841mm



- LEGEND: Planting Plan**
- FOOTPATH
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PROJECT MANAGEMENT INITIALS		
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DESIGNER	CHECKED	APPROVED
PROJECT DATA		
DATUM	AUK46	SURVEY NZTM

ISSUE/REVISION		
E	24.08.26	100% CONSENTING DESIGN
D	04.02.26	100% CONSENTING DESIGN
C	16.12.25	100% CONSENTING DESIGN
B	18.11.25	100% CONSENTING DESIGN
A	16.09.25	DRAFT FOR REVIEW
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60755376

SHEET TITLE

Mill Road RoNS Stage 1 FTA
PLANTING PLAN - ECOLOGY SHEET 1.2

SHEET NUMBER

60755376-SHT-LD-0121

URBAN ZONE

Groundcover Mix - Urban					
Total Area: 1,407m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Totara	<i>Fuchsia procumbens</i>	2	2	0.15	12.5
Pōhūehue	<i>Muehlenbeckia axillaris</i>	2	0.8	0.2	12.5
Pānakenake	<i>Pratia angulata</i>	2	0.75	0.2	12.5
Ramuremu	<i>Sellera radicans</i>	2	0.75	0.2	12.5
Tawapou	<i>Coprosma kirkii</i>	2	1	0.3	12.5
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	12.5
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	12.5
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	12.5

Low Shrub Mix - Urban					
Total Area: 8,790m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Rengarenga	<i>Arthropodium cirratum</i>	2	0.5	0.5	15
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	15
Tawapou	<i>Coprosma kirkii</i>	2	1	0.3	14
Mikoikoi	<i>Libertia grandiflora</i>	2	1	0.5	14
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	14
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	14
Koromiko	<i>Veronica stricta</i> var. <i>stricta</i>	2	0.6	0.6	14

Shrub Mix - Urban					
Total Area Non-Batter: 2,088m²					
Total Area Batter (avg. 1:3): 1,255m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Rengarenga	<i>Arthropodium cirratum</i>	2	0.5	0.5	5
Wharawhara	<i>Astelia banksii</i>	2	0.8	1	1
Kōwharahara	<i>Astelia solandri</i>	2	1	1	1
Toetoe	<i>Austroderia fulvida</i>	2	2	1.5	5
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	5
Tawapou	<i>Coprosma kirkii</i>	2	1	0.3	5
Ti Rauriki	<i>Cordyline pumilio</i>	2	1	1	2
Mikoikoi	<i>Libertia grandiflora</i>	2	1	0.5	5
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	2
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	2
Tūhara, Pēpepe	<i>Machaerina sinclairii</i>	2	1.5	0.8	5
Pōhūehue	<i>Muehlenbeckia complexa</i>	2	0.3	1	5
Wharariki, mountain flax	<i>Phormium cookianum</i> subsp. <i>hookeri</i>	2	1	1	12
Harakeke	<i>Phormium tenax</i>	2	2	2	5
Koromiko	<i>Veronica stricta</i> var. <i>stricta</i>	2	0.6	0.6	5
Mānuka	<i>Leptospermum scoparium</i>	1	4	5	35

Lawn - Urban	
Total Area: 3,330m²	
Reinstatement Treatments (Hydroseed) - Urban	
Total Area: 31,030m²	

PARK EDGE ZONE

Low Shrub Mix - Rural Park Edge					
Total Area: 16,156m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Rengarenga	<i>Arthropodium cirratum</i>	2	0.5	0.5	10
Wharawhara	<i>Astelia banksii</i>	2	0.8	1	10
Piupiu	<i>Blechnum discolor</i>	2	0.75	0.75	10
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	10
Tawapou	<i>Coprosma kirkii</i>	2	1	0.3	10
Mikoikoi	<i>Libertia grandiflora</i>	2	1	0.5	10
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	10
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	10
Pōhūehue	<i>Muehlenbeckia complexa</i>	2	0.3	1	10
Koromiko	<i>Veronica stricta</i> var. <i>stricta</i>	2	0.6	0.6	10

Shrub Mix - Park Edge					
Total Area Non-Batter: 219,137m²					
Total Area Batter (avg. 1:3): 35,453m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Rengarenga	<i>Arthropodium cirratum</i>	2	0.5	0.5	1
Wharawhara	<i>Astelia banksii</i>	2	0.8	1	1
Kōwharahara	<i>Astelia solandri</i>	2	1	1	1
Toetoe	<i>Austroderia fulvida</i>	2	2	1.5	5
Forest sedge	<i>Carex lambertiana</i>	2	0.8	1	1
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	1
Tawapou	<i>Coprosma kirkii</i>	2	1	0.3	1
Mingimingi	<i>Coprosma propinqua</i>	5	2.5	5	1
Mingimingi	<i>Coprosma rharnoides</i>	2	1	1.5	1
Karamū	<i>Coprosma robusta</i>	5	4	5	5
Ti Rauriki	<i>Cordyline pumilio</i>	2	1	1	1
Korokio tārangā	<i>Corokia cotoneaster</i>	2	1.5	2	1
Hangehange	<i>Geniostoma ligustrifolium</i>	5	2	3	3
Kānuka	<i>Kunzea robusta</i>	1	1.4	8	25
Mānuka	<i>Leptospermum scoparium</i>	1	4	5	25
Mikoikoi	<i>Libertia grandiflora</i>	2	1	0.5	1
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	1
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	1
Tūhara, Pēpepe	<i>Machaerina sinclairii</i>	2	1.5	0.8	1
Pōhūehue	<i>Muehlenbeckia complexa</i>	2	0.3	1	1
Wharariki, mountain flax	<i>Phormium cookianum</i> subsp. <i>hookeri</i>	2	1	1	5
Harakeke	<i>Phormium tenax</i>	2	2	2	10
Kawakawa	<i>Piper excelsum</i>	5	4	4	1
Tāwhirikaro	<i>Pittosporum cornifolium</i>	2	2	2	1
Houpara	<i>Pseudopanax lessonii</i>	2	3	4	4
Koromiko	<i>Veronica stricta</i> var. <i>stricta</i>	2	0.6	0.6	1

Retaining Walls					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Pōhūehue	<i>Muehlenbeckia complexa</i>	5	1	1+	25
Akapukaea	<i>Tecomanthe speciosa</i>	5	1.5	10	25
Akatea	<i>Metrosideros perforata</i>	5	1	1	25
Crimson rata	<i>Metrosideros carminea</i>	5	2	15	25

Reinstatement Treatments (Hydroseed) - Park Edge	
Total Area: 1,194m²	

RURAL ZONE

Groundcover Mix - Rural					
Total Area: 5,295m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Totara	<i>Fuchsia procumbens</i>	2	2	0.15	12.5
Pōhūehue	<i>Muehlenbeckia axillaris</i>	2	0.8	0.2	12.5
Pānakenake	<i>Pratia angulata</i>	2	0.75	0.2	12.5
Ramuremu	<i>Sellera radicans</i>	2	0.75	0.2	12.5
Tawapou	<i>Coprosma kirkii</i>	2	1	0.3	12.5
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	12.5
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	12.5
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	12.5

Low Shrub Mix - Rural					
Total Area: 18,312m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Forest sedge	<i>Carex lambertiana</i>	2	0.8	1	8
Rengarenga	<i>Arthropodium cirratum</i>	2	0.5	0.5	8
Wharawhara	<i>Astelia banksii</i>	2	0.8	1	8
Piupiu	<i>Blechnum discolor</i>	2	0.75	0.75	8
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	8
Tawapou	<i>Coprosma kirkii</i>	2	1	0.3	8
Mikoikoi	<i>Libertia grandiflora</i>	2	1	0.5	8
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	8
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	8
Pōhūehue	<i>Muehlenbeckia complexa</i>	2	0.3	1	9
Koromiko	<i>Veronica stricta</i> var. <i>stricta</i>	2	0.6	0.6	9
Wharariki, mountain flax	<i>Phormium cookianum</i> subsp. <i>hookeri</i>	2	1	1	10

Shrub Mix - Rural					
Total Area Non-Batter: 109,483m²					
Total Area Batter (avg. 1:3): 41,546m²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Wharawhara	<i>Astelia banksii</i>	2	0.8	1	1
Kōwharahara	<i>Astelia solandri</i>	2	1	1	1
Toetoe	<i>Austroderia fulvida</i>	2	2	1.5	5
Piupiu	<i>Blechnum discolor</i>	2	0.75	0.75	1
Forest sedge	<i>Carex lambertiana</i>	2	0.8	1	1
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	1
Mingimingi	<i>Coprosma propinqua</i>	5	2.5	5	1
Mingimingi	<i>Coprosma rharnoides</i>	2	1	1.5	1
Karamū	<i>Coprosma robusta</i>	5	4	5	5
Ti Rauriki	<i>Cordyline pumilio</i>	2	1	1	1
Korokio tārangā	<i>Corokia cotoneaster</i>	2	1.5	2	1
Pikupukū, rasp fern	<i>Doodia australis</i>	2	0.75	0.5	1
Hangehange	<i>Geniostoma ligustrifolium</i>	5	2	3	1
Kānuka	<i>Kunzea robusta</i>	1	1.4	8	25
Mānuka	<i>Leptospermum scoparium</i>	1	4	5	25
Mikoikoi	<i>Libertia grandiflora</i>	2	1	0.5	1
Tōkākūi	<i>Libertia ixioides</i>	2	0.4	0.4	1
Mikoikoi	<i>Libertia peregrinans</i>	2	0.4	0.4	1
Tūhara, Pēpepe	<i>Machaerina sinclairii</i>	2	1.5	0.8	1
Pōhūehue	<i>Muehlenbeckia complexa</i>	2	0.3	1	1
Māpou	<i>Myrsine australis</i>	5	3	5	5
Kiokio	<i>Parablechnum novae zelandiae</i>	2	1.2	1.5	1
Wharariki, mountain flax	<i>Phormium cookianum</i> subsp. <i>hookeri</i>	2	1	1	1
Harakeke	<i>Phormium tenax</i>	2	2	2	12
Kawakawa	<i>Piper excelsum</i>	5	4	4	1
Tāwhirikaro	<i>Pittosporum cornifolium</i>	2	2	2	1
Houpara	<i>Pseudopanax lessonii</i>	2	3	4	1
Patete	<i>Schefflera digitata</i>	5	4	8	1
Koromiko	<i>Veronica stricta</i> var. <i>stricta</i>	2	0.6	0.6	1

Reinstatement Treatments (Hydroseed) - Rural	
Total Area: 9,407m²	

RURAL ZONE - LARGER SPECIMEN TREES

Rural Area - Larger Specimens					
Total Trees: 116					
Name	Botanical name	Mature Height	Mature Width	Size (L)	%
Kauri	<i>Agathis australis</i>	30	7	90	3
Titoki	<i>Alectryon excelsus</i> subsp. <i>excelsus</i>	6	4	90	10
Tarairē	<i>Beilschmiedia tarairi</i>	20	8	90	8
Tawa	<i>Beilschmiedia tawa</i>	20	15	90	8
kahikatea	<i>Dacrycarpus dacrydioides</i>	50	5	90	4
Rimu	<i>Dacrydium cupressinum</i>	25	9	90	4
Kohekohe	<i>Didymocheton spectabilis</i>	10	4	90	8
Rewarewa	<i>Knightia excelsa</i>	20	5	90	8
Pōhutukawa	<i>Metrosideros excelsa</i>	10	10	90	9
Rātā	<i>Metrosideros robusta</i>	10	10	90	9
Tāwhairāunui	<i>Nothofagus truncata</i>	25	15	90	9
Tōtara	<i>Podocarpus totara</i>	15	8	90	9
Pūriri	<i>Vitex lucens</i>	15	8	90	11

URBAN ZONE - TREES

Urban Area					
Total Trees: 150					
Name	Botanical name	Mature Height	Mature Width	Size (L)	%
Titoki	<i>Alectryon excelsus</i> subsp. <i>excelsus</i>	6	4	160	35
Rimu	<i>Dacrydium cupressinum</i>	25	9	160	5
Kohekohe	<i>Didymocheton spectabilis</i>	10	4	160	12
Rewarewa	<i>Knightia excelsa</i>	20	5	45	12
Tōtara	<i>Podocarpus totara</i>	15	8	80	12
Nikau	<i>Rhopalostylis sapida</i>	10	3	45	12
Pūriri	<i>Vitex lucens</i>	15	8	160	12

PARK EDGE ZONE - TREES

Park Edge					
Total Trees: 656					
Name	Botanical name	Mature Height	Mature Width	Size (L)	%
Tawa	<i>Beilschmiedia tawa</i>	20	15	12	5
kahikatea	<i>Dacrycarpus dacrydioides</i>	50	5	12	5
Rimu	<i>Dacrydium cupressinum</i>	25	9	12	5
Kohekohe	<i>Didymocheton spectabilis</i>	10	4	12	5
Porokaiwhiri	<i>Hedycarya arborea</i>	6	4	12	5
Rewarewa	<i>Knightia excelsa</i>	20	5	12	5
Mānuka	<i>Leptospermum scoparium</i>	5	3	12	15
Pōhutukawa	<i>Metrosideros excelsa</i>	10	10	12	15
Rātā	<i>Metrosideros robusta</i>	10	10	12	5
Tāwhairāunui	<i>Nothofagus truncata</i>	25	15	12	5
Tōtara	<i>Podocarpus totara</i>	15	8	12	5
Nikau	<i>Rhopalostylis sapida</i>	10	3	12	10
Pūriri	<i>Vitex lucens</i>	15	8	12	15

MURPHY’S ROAD - TREES

Park Edge - Murphy’s Road					
Total Trees: 16					
Name	Botanical name	Mature Height	Mature Width	Size (L)	Qty
Pin Oak	<i>Quercus palustris</i>	20	12	400	15
Algerian Oak	<i>Quercus anariensis</i>	25	14	400	1

RURAL ZONE - TREES

Rural Area					
Total Trees: 1193					
Name	Botanical name	Mature Height	Mature Width	Size (L)	%
Kauri	<i>Agathis australis</i>	30	7	45	1
Titoki	<i>Alectryon excelsus</i> subsp. <i>excelsus</i>	6	4	45	8
Taraire	<i>Beilschmiedia tarairi</i>	20	8	45	2
Tawa	<i>Beilschmiedia tawa</i>	20	15	45	2
Ti kōkua	<i>Cordyline australis</i>	10	2	45	12
kahikatea	<i>Dacrycarpus dacrydioides</i>	50	5	45	1
Rimu	<i>Dacrydium cupressinum</i>	25	9	45	3
Kōkekohe	<i>Didymocheton spectabilis</i>	10	4	45	3
Hinau	<i>Elaeocarpus dentatus</i>	18	7	45	2
Porokahiri	<i>Hedycarya arborea</i>	6	4	45	2
Rewarewa	<i>Knightia excelsa</i>	20	5	45	6
Mānuka	<i>Leptospermum scoparium</i>	5	3	45	3
Pōhutukawa	<i>Metrosideros excelsa</i>	10	10	45	12
Rātā	<i>Metrosideros robusta</i>	10	10	45	12
Tāwhairau	<i>Nothofagus truncata</i>	25	15	45	2
Tānekaha	<i>Phylitcladus trichomanoides</i>	20	6	45	3
Tōtara	<i>Podocarpus totara</i>	15	8	45	4
Matai	<i>Prumnopitys taxifolia</i>	20	7	45	1
Horeeka	<i>Pseudopanax crassifolius</i>	12	3	45	1
Nikau	<i>Rhoplostylis sapida</i>	10	3	45	4
Kōwhai	<i>Sophora microphylla</i>	8	6	45	2
Maire tawake	<i>Syzygium maire</i>	10	5	45	2
Pūriri	<i>Vitex lucens</i>	15	8	45	12

STORMWATER

Wetland Mix					
Total Area: 22,574m ²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Oioi	<i>Apodasmia similis</i>	1	1	1	5
Jointed Twigrush	<i>Baumea articulata</i>	1	1	1.5	10
Purei	<i>Carex secta</i>	1	1	1	12.5
Pukio	<i>Carex virgata</i>	1	1	0.8	12.5
Ti Kouka	<i>Cordyline australis</i>	1	1	10	10
Upokotaneata	<i>Cyperus ustulatus</i>	1	1	1	5
Sharp Spike Sedge	<i>Eleocharis acuta</i>	1	1	0.5	5
Whai	<i>Ficinia nodosa</i>	1	1	0.7	10
Baumea	<i>Machærina rubiginosa</i>	1	1	1.8	10
Pakihī Rush	<i>Machærina teretifolia</i>	1	1	1	10
Harekeke	<i>Phormium tenax</i>	1	1	2	10

Raingarden Mix					
Total Area: 11,190m ²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
OiOi	<i>Apodasmia similis</i>	2	0.6	1	20
Coastal astella	<i>Astella banksii</i>	5	0.8	1	8
Grassland sedge	<i>Carex breviculmis</i>	2	0.3	0.2	16
Glen Murray tussock	<i>Carex flumiflora</i>	2	0.5	0.6	16
Pukio	<i>Carex virgata</i>	2	0.5	1	16
Sand coprosma	<i>Coprosma acerosa</i>	2	0.8	0.3	16
Wharariki	<i>Phormium cookianum subsp. hookeri</i>	5	1	0.7	8

Slate Mix					
Total Area: 3,636m ²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Purei	<i>Carex secta</i>	1	1	1	10
Pukio	<i>Carex virgata</i>	1	1	0.8	40
Ti Kouka	<i>Cordyline australis</i>	1	1	10	20
Wharariki	<i>Phormium cookianum</i>	1	1	0.7	30

ECOLOGY

Lizard Habitat Mix					
Total Area: 52,050m ²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Totara	<i>Fuchsia procumbens</i>	2	2	0.15	6
Pōhuehue	<i>Muehlenbeckia axillaris</i>	2	1	0.2	6
Pōhuehue	<i>Muehlenbeckia complexa</i>	2	1	0.3	6
Kahua	<i>Parsonia heterophylla</i>	5	2	5	5
Wharariki	<i>Phormium cookianum</i>	5	1	1	6
Harakeke	<i>Phormium tenax</i>	5	1	2	8
Kawakawa	<i>Piper excelsum</i>	5	4	4	6
Koromiko	<i>Veronica macrocarpa var. macrocarpa</i>	2	0.8	0.6	5
Adjacent to WF9 (Forest Edge Context)					
Forest sedge	<i>Carex lambertiana</i>	2	0.8	1	3
Aruhe	<i>Coprosma areolata</i>	2	2	3	3
Mingimingi	<i>Coprosma propinqua</i>	2	2.5	5	4
Mingimingi	<i>Coprosma rhammoides</i>	2	1	1.5	3
Mahoe	<i>Melicytus ramiflorus</i>	5	1	6	4
Māpou	<i>Myrsine australis</i>	2	3	5	3
Wī	<i>Poa cila</i>	2	0.8	0.7	3
Houpara	<i>Pseudopanax lesssonii</i>	2	4	6	2
Adjacent to Road					
Toetoe	<i>Austroderia fulvida</i>	1	1	1.5	4
Speckled sedge	<i>Carex testacea</i>	2	0.6	0.4	4
Taupata	<i>Coprosma repens</i>	2	3	5	5
Tauhū	<i>Ozothamnus leptophyllus</i>	2	2	2	4
Pinatoto	<i>Pimelea prostrata</i>	2	1	0.1	4
Koromiko	<i>Veronica stricta var. stricta</i>	1	1	2	4

Stream Riparian Mix					
Total Area: 11,841m ²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Stream Edge					
Toetoe	<i>Austroderia fulvida</i>	1	1	1.5	7
Kiokio	<i>Blechnum novae-zelandiae</i>	1	0.75	1	14
Forest sedge	<i>Carex dissila</i>	1	0.75	0.5	14
Rautahi	<i>Carex geminata; C. lesssoniana</i>	1	1	1	14
Pukio	<i>Carex virgata</i>	1	1	1	16
Putaputawētā	<i>Carpodetus serratus</i>	1	1	6	14
Ti kōuka/cabbage tree	<i>Cordyline australis</i>	1	1	8+	7
Koromiko	<i>Veronica stricta var. stricta</i>	1	1	2	14
Back Wetland					
Toetoe	<i>Austroderia fulvida</i>	1	1	1.5	5
Kiokio	<i>Blechnum novae-zelandiae</i>	1	0.75	1	10
Forest sedge	<i>Carex dissila</i>	1	0.75	0.5	15
Rautahi	<i>Carex geminata; C. lesssoniana</i>	1	1	1	15
Pukio	<i>Carex virgata</i>	1	1	1	15
Ti kōuka/cabbage tree	<i>Cordyline australis</i>	1	1	8+	5
Giant umbrella sedge	<i>Cyperus ustulatus</i>	1	1	1.5	10
Mānuka	<i>Leptospermum scoparium</i>	1	1	5	8
Harakeke/Flax	<i>Phormium tenax</i>	1	1	3	12
Pātē	<i>Schefflera digitata</i>	1	1	8	7
Flood Area					
Toetoe	<i>Austroderia fulvida</i>	1	1	1.5	5
Kiokio	<i>Blechnum novae-zelandiae</i>	1	0.75	1	12
Forest sedge	<i>Carex dissila</i>	1	0.75	0.5	12
Rautahi	<i>Carex geminata; C. lesssoniana</i>	1	1	1	14
Pukio	<i>Carex virgata</i>	1	1	1	14
Putaputawētā	<i>Carpodetus serratus</i>	1	1	6	6
Ti kōuka/cabbage tree	<i>Cordyline australis</i>	1	1	8+	5
Mānuka	<i>Leptospermum scoparium</i>	1	1	5	5
Māhoe	<i>Melicytus ramiflorus</i>	1	1	6	5
Harakeke/Flax	<i>Phormium tenax</i>	1	1	3	12
Koromiko	<i>Veronica stricta var. stricta</i>	1	1	2	10
Dry Slope					
Toetoe	<i>Austroderia fulvida</i>	1	1	1.5	5
Kiokio	<i>Blechnum novae-zelandiae</i>	1	0.75	1	3
Forest sedge	<i>Carex dissila</i>	1	0.75	0.5	5
Rautahi	<i>Carex geminata; C. lesssoniana</i>	1	1	1	5
Pukio	<i>Carex virgata</i>	1	1	1	5
Putaputawētā	<i>Carpodetus serratus</i>	1	1	6	5
Karamū	<i>Coprosma robusta</i>	1	1	6	5
Ti kōuka/cabbage tree	<i>Cordyline australis</i>	1	1	8+	5
Giant umbrella sedge	<i>Cyperus ustulatus</i>	1	1	1.5	5
Pōnikaiwhiri	<i>Hedycarya arborea</i>	1	1	8	5
Houhere/facebark	<i>Hobelia pauciflora</i>	1	1	8	5
Kānuka	<i>Kinzea robusta</i>	1	1	10	10
Mānuka	<i>Leptospermum scoparium</i>	1	1	5	10
Māhoe	<i>Melicytus ramiflorus</i>	1	1	6	5
Māpou	<i>Myrsine australis</i>	1	1	6	2
Harakeke/Flax	<i>Phormium tenax</i>	1	1	3	11
Kōhuhu	<i>Pittosporum tenuifolium</i>	1	1	6	2
Ribbonwood	<i>Plagianthus regius subsp. regius</i>	1	1	8	2
Pātē	<i>Schefflera digitata</i>	1	1	8	2
Koromiko	<i>Veronica stricta var. stricta</i>	1	1	2	3

Ecological Planting					
Revegetation Mix					
Ecological Restoration - A & B: Total Area: 106,139m ²					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Karamu	<i>Coprosma robusta</i>	1	5	4	6
Ti kōuka	<i>Cordyline australis</i>	1	5	10	5
Kahikatea	<i>Dacrydium dacrydioides</i>	5	5	50	10
Houhere	<i>Hobelia saxatilis</i>	1	3	8	6
Kānuka	<i>Kinzea robusta</i>	1	4	8	2
Mānuka	<i>Leptospermum scoparium</i>	1	4	5	15
Māhoe	<i>Melicytus ramiflorus</i>	5	4	5	2
Māpou	<i>Myrsine australis</i>	1	5	5	3
Harakeke	<i>Phormium tenax</i>	1	2.5	2	7
Kōhuhu	<i>Pittosporum tenuifolium</i>	1	1	6	7
Tōtara	<i>Podocarpus totara</i>	5	6	15	15
Koromiko	<i>Veronica stricta var. stricta</i>	1	1	2	6
Pūriri	<i>Vitex lucens</i>	5	6	15	16

Enrichment Planting Mix					
Ecological Restoration - A: Total Area: 52,952m ² at year 7					
Ecological Restoration - B: Total Area: 53,176m ² at year 4					
Māori / Common Name	Botanical Name	Size (L)	Spacing (m)	Mature height	%
Kauri	<i>Araucaria australis</i>	5	6	30	5
Tarariri	<i>Banksia integrifolia</i>	5	4	20	55
Tawa	<i>Banksia integrifolia</i>	5	4	20	70
Shiny karamu	<i>Coprosma lucida</i>	1	1.5	3	1
Twiggy coprosma	<i>Coprosma rhammoides</i>	1	1	1.5	1
Karaka	<i>Corynocarpus latidigitatus</i>	5	4	12	1
Kahikatea	<i>Dacrydium dacrydioides</i>	5	5	50	7
Rimu	<i>Dacrydium cupressinum</i>	5	6	25	14
Kōhekohe	<i>Didymopanax spectabile</i>	5	4	10	2
Hangehange	<i>Geniostoma ligustrifolium var. ligustrifolium</i>	1	2	3	1
Pōnikaiwhiri	<i>Hedycarya arborea</i>	1	3	8	3
Houhere	<i>Hobelia saxatilis</i>	1	3	6	1
Rewareware	<i>Kohekohe excelsa</i>	5	5	20	3
Tōtara	<i>Podocarpus totara</i>	5	6	15	12
Miro	<i>Prumnopitys ferruginea</i>	5	4	15	26
Pūriri	<i>Vitex lucens</i>	5	6	15	7

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NZ TRANSPORT
AGENCY
WAKA KOTAHI

PROJECT

Mill Road – Stage 1

Consenting Design

Roads of
National
Significance

REGISTRATION

FOR CONSENT

PROJECT MANAGEMENT INITIALS

MBe	ACH	TLi
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AUK46	SURVEY	NZTM
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ISSUE/REVISION

G	24.08.26	100% CONSENTING DESIGN
F	04.02.26	100% CONSENTING DESIGN
E	16.12.25	100% CONSENTING DESIGN
D	18.11.25	100% CONSENTING DESIGN
C	19.09.25	100% CONSENTING DESIGN
B	12.09.25	100% CONSENTING DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60755376

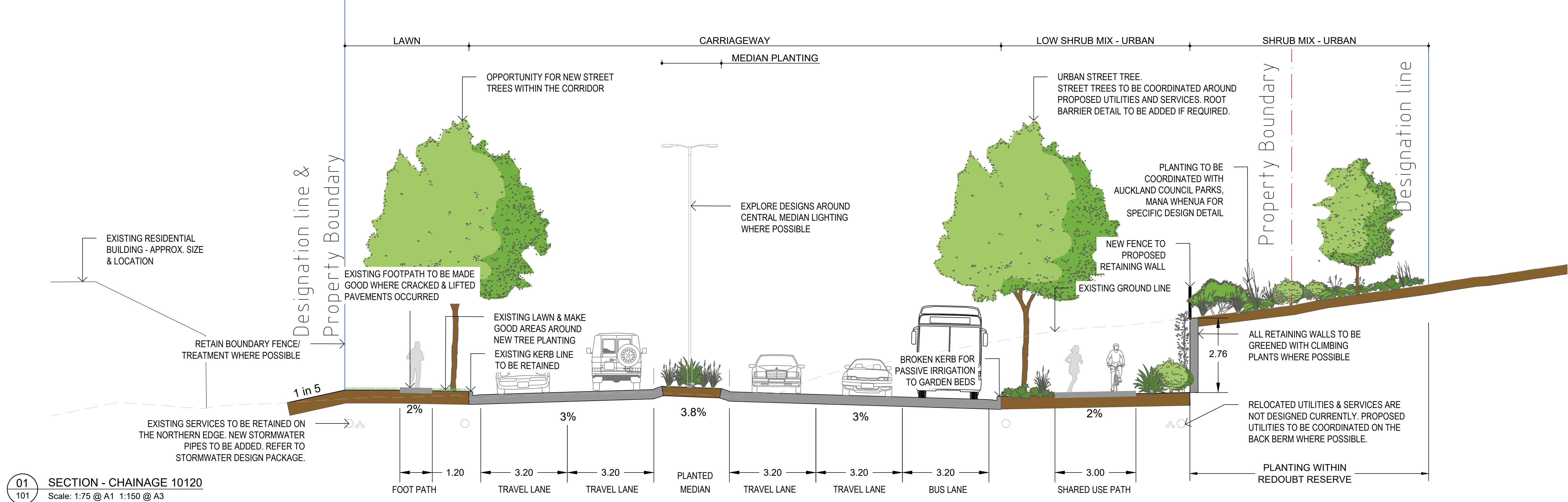
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Mill Road RoNS Stage 1 FTA
PLANT SCHEDULE 2/2

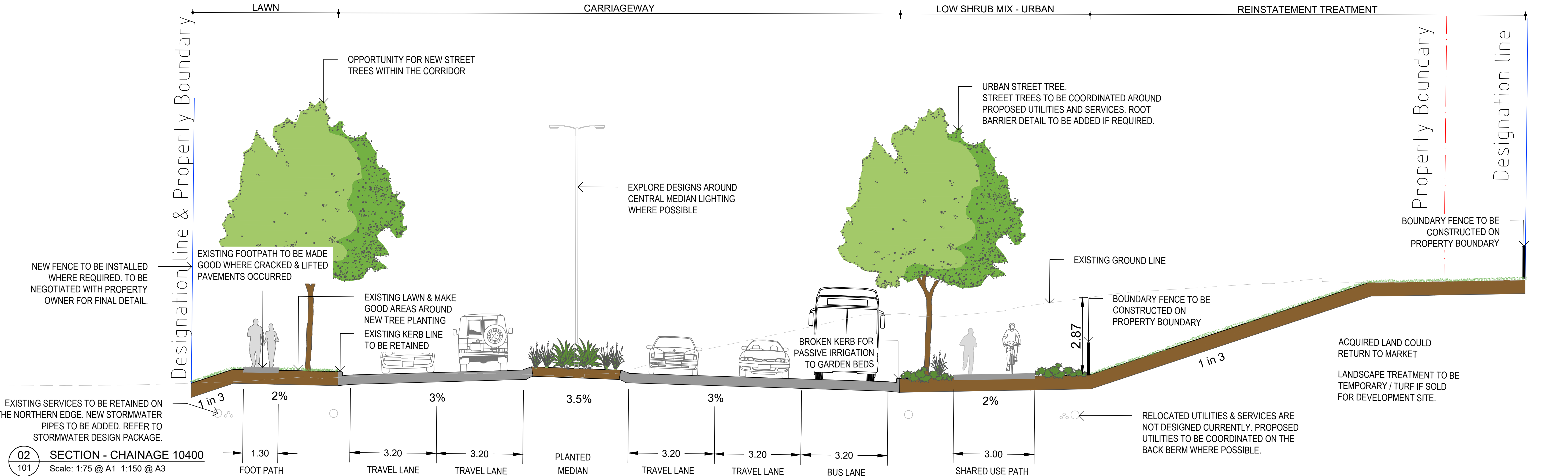
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60755376-SHT-LD-0151

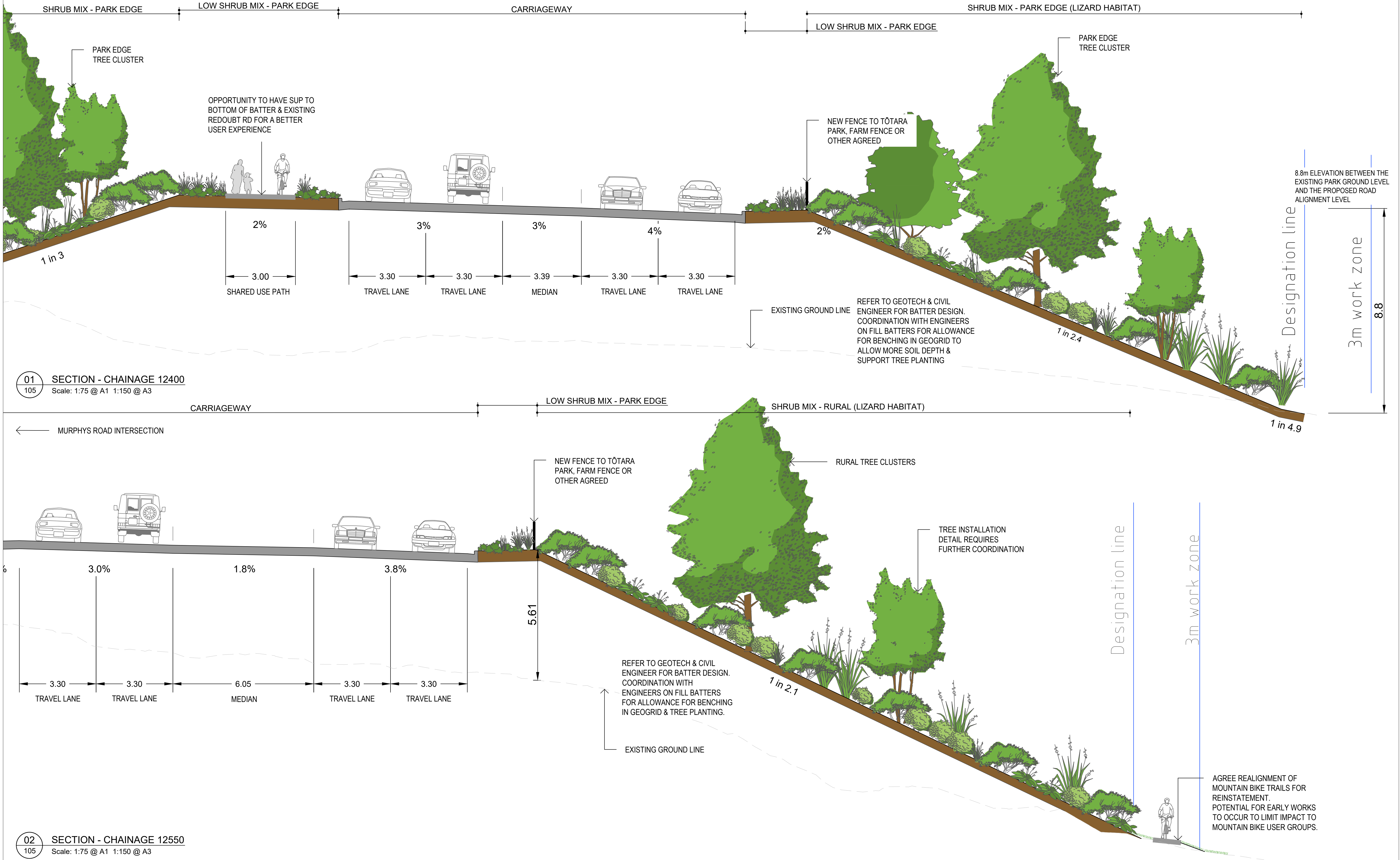
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02 SECTION - CHAINAGE 10400
101 Scale: 1:75 @ A1 1:150 @ A3



ISO A1 594mm x 841mm



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PROJECT

Mill Road – Stage 1

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Roads of National Significance

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PROJECT MANAGEMENT INITIALS		
MBe SLa	PWh SLa	TLi
DESIGNER	CHECKED	APPROVED
PROJECT DATA		
DATUM	AUK46	SURVEY NZTM

ISSUE/REVISION		
D	18.11.25	100% CONSENTING DESIGN
C	19.09.25	100% CONSENTING DESIGN
B	12.09.25	100% CONSENTING DESIGN
A	21.07.25	50% DEVELOPED DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60755376

SHEET TITLE

Mill Road RoNS Stage 1 FTA
TOTARA PARK SECTIONS

SHEET NUMBER

60755376-SHT-LD-0302