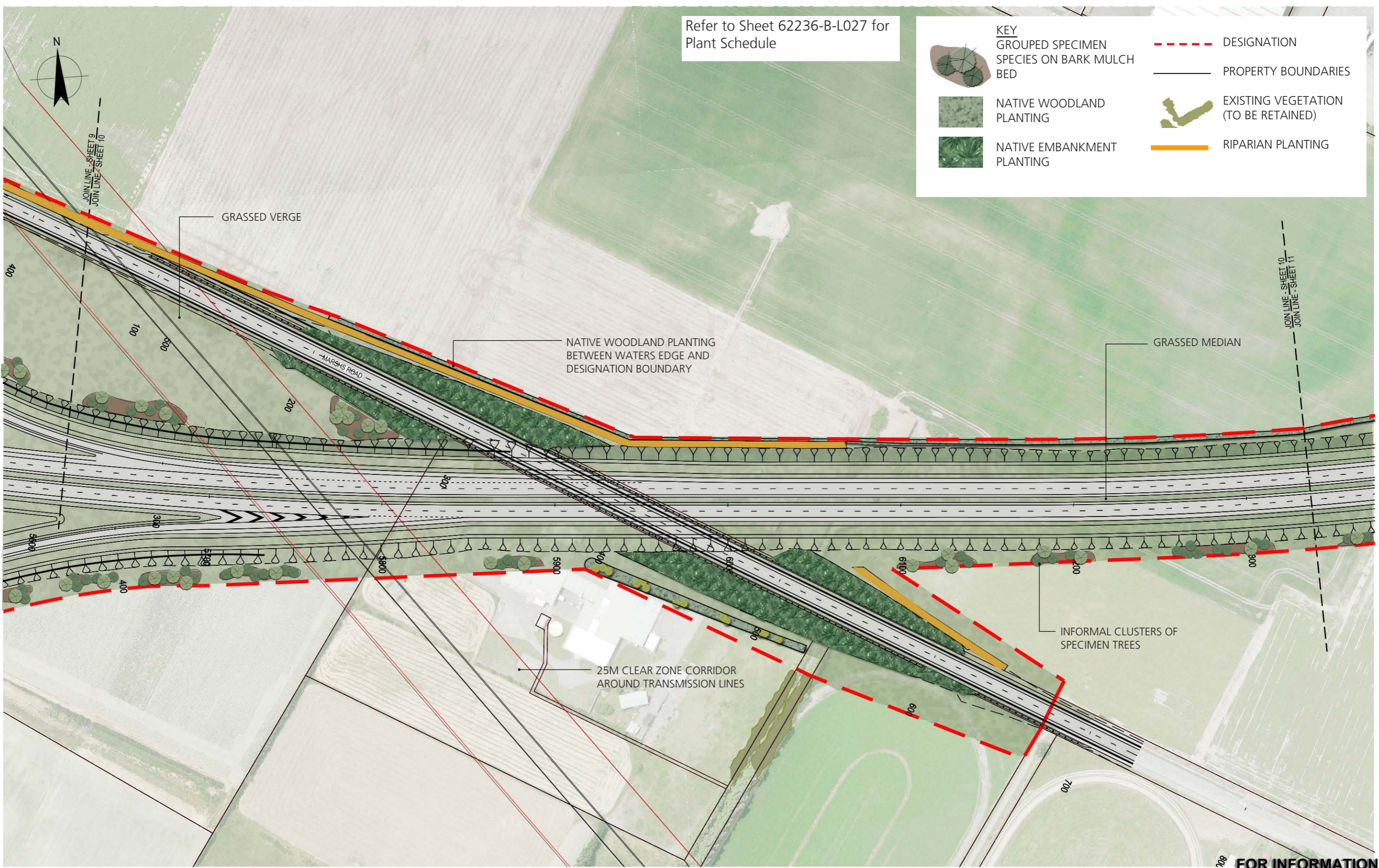


Refer to Sheet 62236-B-L027 for Plant Schedule

KEY	
	GROUPED SPECIMEN SPECIES ON BARK MULCH BED
	NATIVE WOODLAND PLANTING
	NATIVE EMBANKMENT PLANTING
	DESIGNATION
	PROPERTY BOUNDARIES
	EXISTING VEGETATION (TO BE RETAINED)
	RIPARIAN PLANTING



FOR INFORMATION

No	Revision	Note: * Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
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0	FOR CONSENT		EK	JC	CG	29.08.12

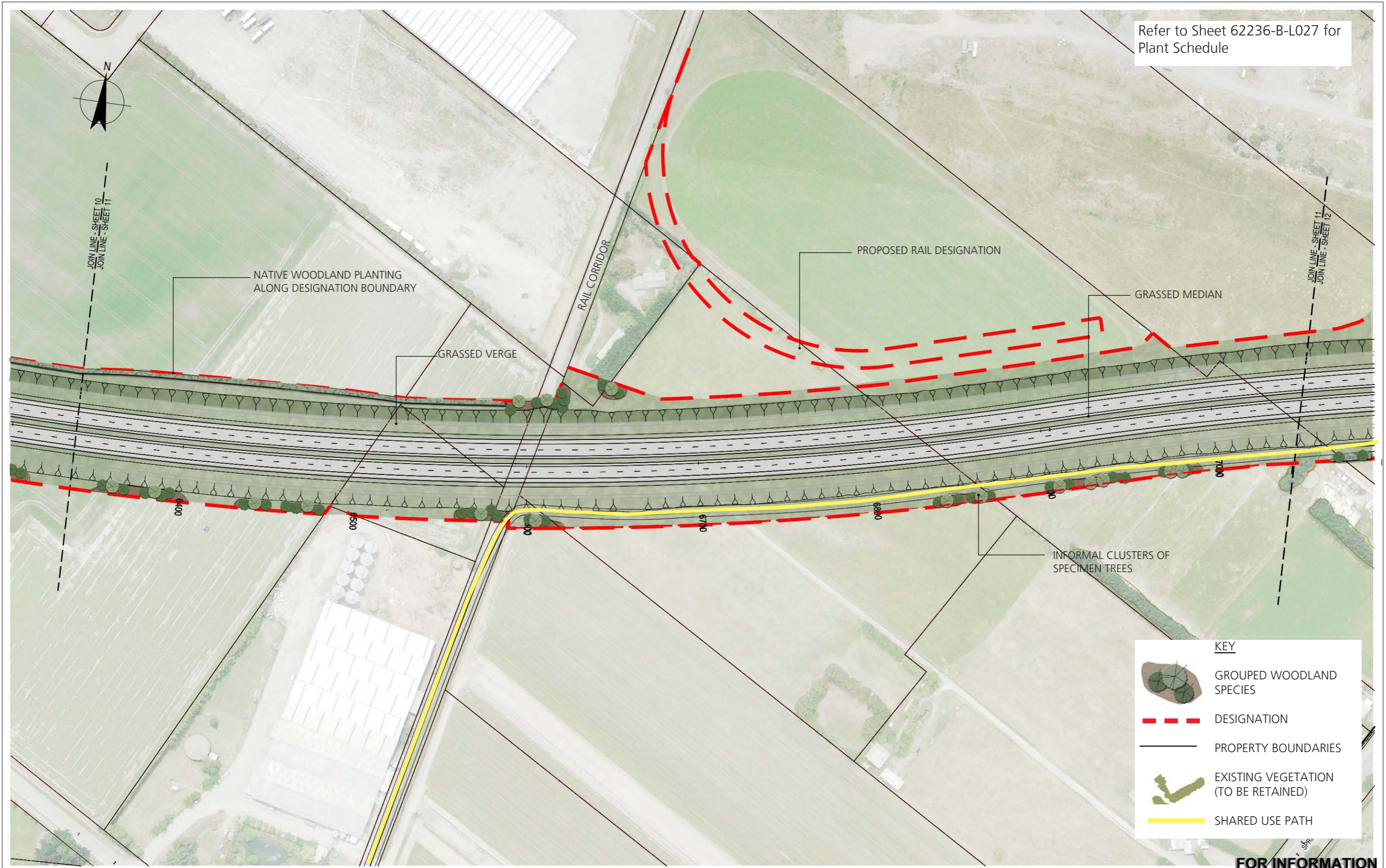


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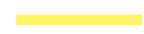
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Drafting Check	JC	Design Check	DGA
Approved	---		
Date	18.04.13		
A1 Scale	---		
A3 Scale	1:2000		

Client	NEW ZEALAND TRANSPORT AGENCY
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11
Title	CHRISTCHURCH SOUTHERN MOTORWAY STAGE 2 LANDSCAPING PLAN - SHEET 10 OF 18
Drawing No:	62236-B-L020
Rev:	1

Refer to Sheet 62236-B-L027 for Plant Schedule



KEY

-  GROUPED WOODLAND SPECIES
-  DESIGNATION
-  PROPERTY BOUNDARIES
-  EXISTING VEGETATION (TO BE RETAINED)
-  SHARED USE PATH

FOR INFORMATION

No	Revision	Note	Drawn	Checked	Approved	Date
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Client	NEW ZEALAND TRANSPORT AGENCY
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11
Title	CHRISTCHURCH SOUTHERN MOTORWAY STAGE 2 LANDSCAPING PLAN - SHEET 11 OF 18
Drawing No:	62236-B-L021
Rev:	1

Refer to Sheet 62236-B-L027 for Plant Schedule



1.8m NOISEWALL WITH NATIVE PLANTING ON THE ROADSIDE BOUNDARY AS WELL AS THE PROPERTY SIDE OF THE BOUNDARIES

Embankment planting areas calculated on schedule L023 on sheet 62236-B-L028

	KEY GROUPED SPECIMEN SPECIES ON BARK MULCH BED		DESIGNATION
	NATIVE WOODLAND PLANTING		PROPERTY BOUNDARIES
	NATIVE EMBANKMENT PLANTING		EXISTING VEGETATION (TO BE RETAINED)
	NATIVE TREE COPSE		RIPARIAN PLANTING
			PROPOSED SHARED USE PATH
			EXISTING SHARED USE PATH

FOR INFORMATION

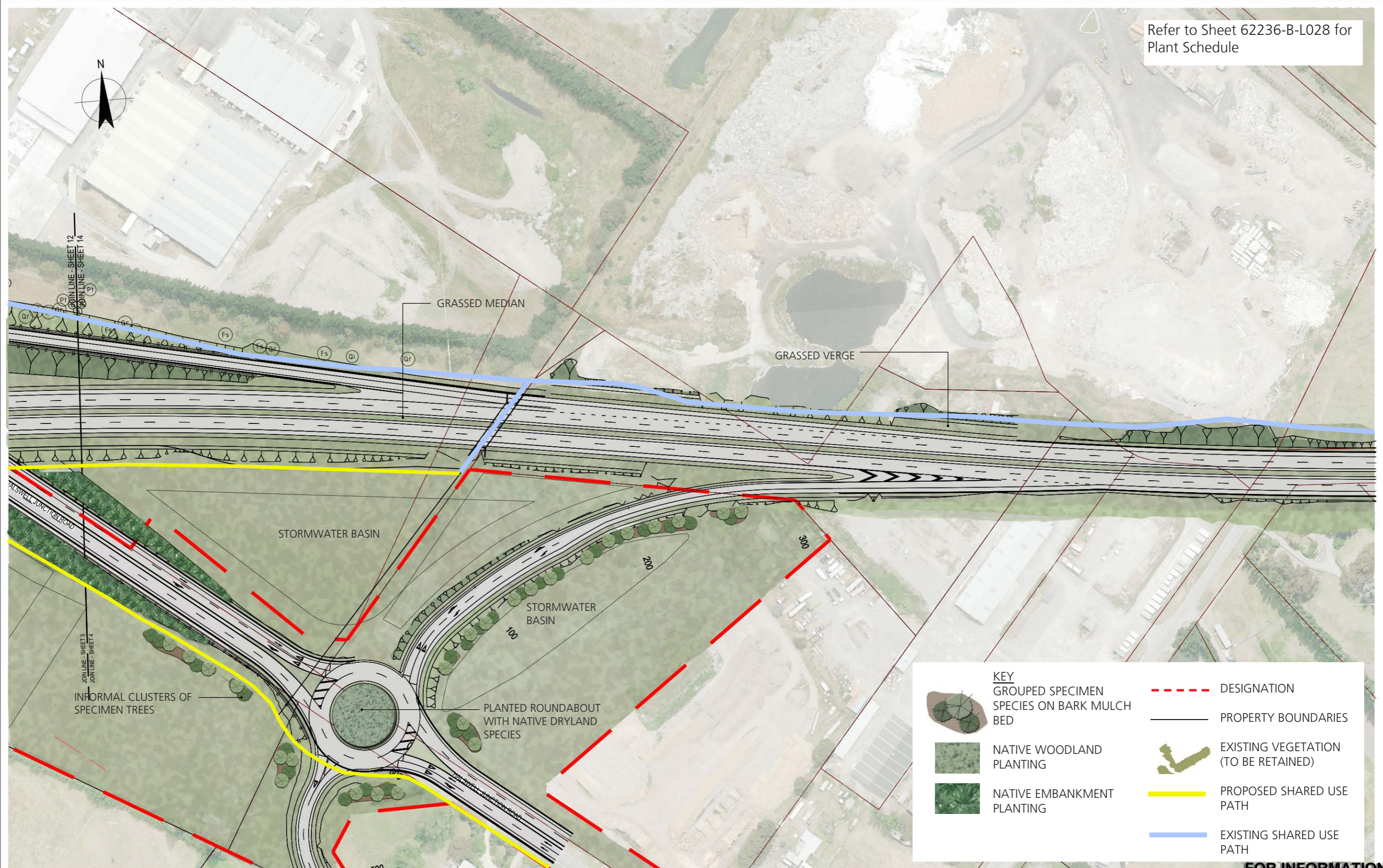
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Client	NEW ZEALAND TRANSPORT AGENCY
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11
Title	CHRISTCHURCH SOUTHERN MOTORWAY STAGE 2 LANDSCAPING PLAN - SHEET 12 OF 18
Drawing No:	62236-B-L022
Rev:	1

Refer to Sheet 62236-B-L028 for Plant Schedule



KEY

- GROUPED SPECIMEN SPECIES ON BARK MULCH BED
- NATIVE WOODLAND PLANTING
- NATIVE EMBANKMENT PLANTING
- DESIGNATION
- PROPERTY BOUNDARIES
- EXISTING VEGETATION (TO BE RETAINED)
- PROPOSED SHARED USE PATH
- EXISTING SHARED USE PATH

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Client	NEW ZEALAND TRANSPORT AGENCY
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11
Title	CHRISTCHURCH SOUTHERN MOTORWAY STAGE 2 LANDSCAPING PLAN - SHEET 13 OF 18
Drawing No:	62236-B-L023
Rev:	1

62236-B-L017

PROPOSED SPECIMEN/ WOODLAND TREE SPECIES



Native trees

<i>Cordyline australis</i>	Cabbage tree	3
<i>Podocarpus totara</i>	Totara	20
<i>Sophora microphylla</i>	Kowhai	13

Exotic trees

66 specimen	<i>Fagus sylvatica</i>	European Beech	3
	<i>Fraxinus excelsior</i>	Common Ash	3
	<i>Quercus canariensis</i>	Mirbeck oak	7
	<i>Quercus cerris</i>	Turkey oak	7
	<i>Quercus robur</i>	Common oak	7
	<i>Quercus ilex</i>	Holm oak	3

PROPOSED HEDGE SPECIES



340m

<i>Dodonea viscosa</i>	Ake ake
<i>Cupressus macrocarpa</i>	Macrocarpa
<i>Pinus species</i>	Pine tree
<i>Populus species</i>	Poplar
<i>Pittosporum eugenioides</i>	Lemonwood

62236-B-L018

PROPOSED SPECIMEN/ WOODLAND TREE SPECIES



Native trees

<i>Cordyline australis</i>	Cabbage tree	4
<i>Podocarpus totara</i>	Totara	22
<i>Sophora microphylla</i>	Kowhai	15

Exotic trees

73 specimen	<i>Fagus sylvatica</i>	European Beech	4
	<i>Fraxinus excelsior</i>	Common Ash	4
	<i>Quercus canariensis</i>	Mirbeck oak	7
	<i>Quercus cerris</i>	Turkey oak	7
	<i>Quercus robur</i>	Common oak	7
	<i>Quercus ilex</i>	Holm oak	4

62236-B-L019

PROPOSED SPECIMEN/ WOODLAND TREE SPECIES



153 specimen

Native trees

<i>Cordyline australis</i>	Cabbage tree	8
<i>Podocarpus totara</i>	Totara	46
<i>Sophora microphylla</i>	Kowhai	31

Exotic trees

<i>Fagus sylvatica</i>	European Beech	8
<i>Fraxinus excelsior</i>	Common Ash	8
<i>Quercus canariensis</i>	Mirbeck oak	15
<i>Quercus cerris</i>	Turkey oak	15
<i>Quercus robur</i>	Common oak	15
<i>Quercus ilex</i>	Holm oak	8

NATIVE EMBANKMENT PLANTING



8113m2

Low embankment

<i>Corokia cotoneaster</i>	Wire Netting Bush	609
<i>Cortaderia richardii</i>	Toetoe	406
<i>Hebe odora</i>	Boxwood Hebe	406
<i>Hebe strictissima</i>	Koromiko	406
<i>Muehlenbeckia astonii</i>	Shrubby Tororaro	609
<i>Phormium cookianum</i>	Mountain Flax	1014
<i>Poa cita</i>	Silver Tussock	609

High embankment

<i>Coprosma crassifolia</i>	Thick leaved Mikimiki	325
<i>Coprosma propinqua</i>	Mikimiki	203
<i>Coprosma robusta</i>	Karamu	406
<i>Coprosma rubra</i>	Stemmed Coprosma	284
<i>Coprosma virescens</i>	Pale Green Coprosma	203
<i>Cordyline australis</i>	Ti Kouka / Cabbage Tree	203
<i>Corokia cotoneaster</i>	Wire Netting Bush	203
<i>Cortaderia richardii</i>	Toetoe	203
<i>Dodonea viscosa</i>	AkeAke	203
<i>Hebe strictissima</i>	Koromiko	203
<i>Kunzea ericoides</i>	Kanuka	243
<i>Olearia paniculata</i>	Akiraho	203
<i>Phormium cookianum</i>	Harakeke / Mountain Flax	406
<i>Pittosporum tenuifolium</i>	Kohuhu	243
<i>Pseudopanax crassifolius</i>	Horoeka / Lancewood	203
<i>Sophora microphylla</i>	Kowhai	325

NATIVE WOODLAND SPECIES



45209m2

Trees

<i>Cordyline australis</i>	Cabbage tree	3165
<i>Kunzea ericoides</i>	Kanuka	2713
<i>Olearia paniculata</i>	Akiraho	2260
<i>Pittosporum tenuifolium</i>	Kohuhu	2260
<i>Sophora microphylla</i>	Kowhai	3165

Shrubs

<i>Carmichaelia australis</i>	NZ broom	904
<i>Coprosma crassifolia</i>	Thick leaved miki-miki	904
<i>Coprosma propinqua</i>	Mikimiki	2713
<i>Corokia cotoneaster</i>	Wire Netting Bush	2260
<i>Discaria toumatou</i>	Matagouri	904
<i>Meliccytus alpinus</i>	Porcupine shrub	2713
<i>Muehlenbeckia astonii</i>	Shrubby tororaro	2713
<i>Olearia adenocarpa</i>	Plains olearia	904
<i>Ozothamnus leptophylla</i>	Golden cottonwood	2260
<i>Phormium cookianum</i>	Harakeke / Mountain Flax	1808
<i>Phormium tenax</i>	New Zealand flax	1808
<i>Sophora prostrata</i>	Kowhai	2713

Groundcovers

<i>Carex comans</i>	Tussock sedge	1808
<i>Cortaderia richardii</i>	Toetoe	1808
<i>Festuca novae-zelandiae</i>	Hard tussock	1808
<i>Muehlenbeckia axillaris</i>	Mat pohuehue	1808
<i>Poa cita</i>	Silver tussock	1808

NATIVE TREE COPSE



29132m2

Trees @ 6m ctrs

<i>Podocarpus totara</i>	Totara	2913
<i>Prumnopitys taxifolia</i>	Matai	2913

Subsidiary trees @ 6m ctrs

<i>Cordyline australis</i>	Cabbage tree	1457
<i>Dodonea viscosa</i>	Akeake	1457
<i>Hoheria augustifolia</i>	Houehere	1457
<i>Kunzea ericoides</i>	Kanuka	1748
<i>Olearia paniculata</i>	Akiraho	1457
<i>Pittosporum tenuifolium</i>	Kohuhu	1457
<i>Pseudopanax crassifolius</i>	Lancewood	1165
<i>Sophora microphylla</i>	Kowhai	1457

Nursery plants @ 1m ctrs

<i>Coprosma crassifolia</i>	Thick leaved miki-miki	2331
<i>Coprosma propinqua</i>	Mikimiki	2331
<i>Leptospermum scoparium</i>	Manuka	2331
<i>Phormium cookianum</i>	Harakeke / Mountain Flax	2331
<i>Phormium tenax</i>	New Zealand flax	2331

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WAKA KOTAHĪ



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Client	NEW ZEALAND TRANSPORT AGENCY		
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11		
	CHRISTCHURCH SOUTHERN MOTORWAY STAGE 2		
Title	LANDSCAPING PLAN - SHEET 16 OF 18		
Drawing No:	62236-B-L026		Rev: 1

62236-B-L020

PROPOSED SPECIMEN/ WOODLAND TREE SPECIES



66 specimen

Native trees: Cordyline australis, Podocarpus totara, Sophora microphylla, Exotic trees: Fagus sylvatica, Fraxinus excelsior, Quercus canariensis, Quercus cerris, Quercus robur, Quercus ilex

PROPOSED RIPARIAN PLANTING

2611m2 (Sht 019-020)

Carex secta, Juncus gregiflorus, Phormium tenax, Purei, Green rush, Harakeke

NATIVE EMBANKMENT PLANTING



6444m2

Low embankment: Corokia cotoneaster, Cortaderia richardii, Hebe odora, Hebe strictissima, Muehlenbeckia astonii, Phormium cookianum, Poa cita, High embankment: Coprosma crassifolia, Coprosma propinqua, Coprosma robusta, Coprosma rubra, Coprosma virescens, Cordyline australis, Corokia cotoneaster, Cortaderia richardii, Dodonaea viscosa, Hebe strictissima, Kunzea ericoides, Olearia paniculata, Phormium cookianum, Pittosporum tenuifolium, Pseudopanax crassifolius, Sophora microphylla

NATIVE WOODLAND SPECIES



2855m2

Trees: Cordyline australis, Kunzea ericoides, Olearia paniculata, Pittosporum tenuifolium, Sophora microphylla, Shrubs: Carmichaelia australis, Coprosma crassifolia, Coprosma propinqua, Corokia cotoneaster, Discaria toumatou, Melicytus alpinus, Muehlenbeckia astonii, Olearia adenocarpa, Ozothamnus leptophylla, Phormium cookianum, Phormium tenax, Sophora prostrata, Groundcovers: Carex comans, Cortaderia richardii, Festuca novae-zelandaie, Muehlenbeckia axillaris, Poa cita

62236-B-L021

PROPOSED SPECIMEN/ WOODLAND TREE SPECIES



51 specimen

Native trees: Cordyline australis, Podocarpus totara, Sophora microphylla, Exotic trees: Fagus sylvatica, Fraxinus excelsior, Quercus canariensis, Quercus cerris, Quercus robur, Quercus ilex

NATIVE TREE COPSE



6191m2

Trees @ 6m ctrs: Podocarpus totara, Prumnopitys taxifolia, Subsidiary trees @ 6m ctrs: Cordyline australis, Dodonaea viscosa, Hoheria augustifolia, Kunzea ericoides, Olearia paniculata, Pittosporum tenuifolium, Pseudopanax crassifolius, Sophora microphylla, Nursery plants @ 1m ctrs: Coprosma crassifolia, Coprosma propinqua, Leptospermum scoparium, Phormium cookianum, Phormium tenax

NATIVE WOODLAND SPECIES



18415m2

Trees: Cordyline australis, Kunzea ericoides, Olearia paniculata, Pittosporum tenuifolium, Sophora microphylla, Shrubs: Carmichaelia australis, Coprosma crassifolia, Coprosma propinqua, Corokia cotoneaster, Discaria toumatou, Melicytus alpinus, Muehlenbeckia astonii, Olearia adenocarpa, Ozothamnus leptophylla, Phormium cookianum, Phormium tenax, Sophora prostrata, Groundcovers: Carex comans, Cortaderia richardii, Festuca novae-zelandaie, Muehlenbeckia axillaris, Poa cita

62236-B-L022

PROPOSED SPECIMEN/ WOODLAND TREE SPECIES



20 specimen

Native trees: Cordyline australis, Podocarpus totara, Sophora microphylla, Exotic trees: Fagus sylvatica, Fraxinus excelsior, Quercus canariensis, Quercus cerris, Quercus robur, Quercus ilex

NATIVE EMBANKMENT PLANTING



11842m2

Low embankment: Corokia cotoneaster, Cortaderia richardii, Hebe odora, Hebe strictissima, Muehlenbeckia astonii, Phormium cookianum, Poa cita, High embankment: Coprosma crassifolia, Coprosma propinqua, Coprosma robusta, Coprosma rubra, Coprosma virescens, Cordyline australis, Corokia cotoneaster, Cortaderia richardii, Dodonaea viscosa, Hebe strictissima, Kunzea ericoides, Olearia paniculata, Phormium cookianum, Pittosporum tenuifolium, Pseudopanax crassifolius, Sophora microphylla

PROPOSED RIPARIAN PLANTING

1447m2

Carex secta, Juncus gregiflorus, Phormium tenax, Purei, Green rush, Harakeke

Table with 5 columns: No, Revision, Date, Drawn, Checked, Approved, Date. Row 1: 1, FOR EVIDENCE IN CHIEF, EK, JC, GAP, 18.04.13



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Table with 2 columns: Client/Project, Title, Drawing No, Rev. Values: Client NEW ZEALAND TRANSPORT AGENCY, Project SH1 REGION 11 RP350/3.92 TO RP365/2.11 CHRISTCHURCH SOUTHERN MOTORWAY STAGE 2, Title LANDSCAPING PLAN - SHEET 17 OF 18, Drawing No 62236-B-L027, Rev 1

62236-B-L023

PROPOSED SPECIMEN/ WOODLAND TREE SPECIES



Native trees

<i>Cordyline australis</i>	Cabbage tree	3
<i>Podocarpus totara</i>	Totara	19
<i>Sophora microphylla</i>	Kowhai	13

Exotic trees

50 specimen

<i>Fagus sylvatica</i>	European Beech	3
<i>Fraxinus excelsior</i>	Common Ash	3
<i>Quercus canariensis</i>	Mirbeck oak	6
<i>Quercus cerris</i>	Turkey oak	6
<i>Quercus robur</i>	Common oak	6
<i>Quercus ilex</i>	Holm oak	3



3027m2

NATIVE EMBANKMENT PLANTING

Low embankment

<i>Corokia cotoneaster</i>	Wire Netting Bush	227
<i>Cortaderia richardii</i>	Toetoe	151
<i>Hebe odora</i>	Boxwood Hebe	151
<i>Hebe strictissima</i>	Koromiko	151
<i>Muehlenbeckia astonii</i>	Shrubby Tororaro	227
<i>Phormium cookianum</i>	Mountain Flax	379
<i>Poa cita</i>	Silver Tussock	227

High embankment

<i>Coprosma crassifolia</i>	Thick leaved Mikimiki	121
<i>Coprosma propinqua</i>	Mikimiki	76
<i>Coprosma robusta</i>	Karamu	151
<i>Coprosma rubra</i>	Stemmed Coprosma	106
<i>Coprosma virescens</i>	Pale Green Coprosma	76
<i>Cordyline australis</i>	Ti Kouka / Cabbage Tree	76
<i>Corokia cotoneaster</i>	Wire Netting Bush	76
<i>Cortaderia richardii</i>	Toetoe	76
<i>Dodonaea viscosa</i>	AkeAke	76
<i>Hebe strictissima</i>	Koromiko	76
<i>Kunzea ericoides</i>	Kanuka	91
<i>Olearia paniculata</i>	Akiraho	76
<i>Phormium cookianum</i>	Harakeke / Mountain Flax	151
<i>Pittosporum tenuifolium</i>	Kohuhu	91
<i>Pseudopanax crassifolius</i>	Horoeka / Lancewood	76
<i>Sophora microphylla</i>	Kowhai	121

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Client	NEW ZEALAND TRANSPORT AGENCY
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11 CHRISTCHURCH SOUTHERN MOTORWAY STAGE 2
Title	LANDSCAPING PLAN - SHEET 18 OF 18
Drawing No:	62236-B-L028
Rev:	1