






KEY	
	DESIGNATION
	PROPERTY BOUNDARIES
	EXISTING VEGETATION (TO BE RETAINED)

**FOR INFORMATION**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
1		FOR EVIDENCE IN CHIEF	EK	JC	GAP	18.04.13
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	Approved GAP	
	Date 18.04.13	
	A1 Scale	<small>This Drawing must not be used for Construction unless signed as Approved</small>
	A3 Scale 1:2000	

Client	<b>NEW ZEALAND TRANSPORT AGENCY</b>
Project	<b>SH1 REGION 11 RP350/3.92 TO RP365/2.11</b>
Title	<b>MAIN SOUTH ROAD FOUR LANING I&amp;R PHASE LANDSCAPING PLAN - SHEET 1 OF 9</b>
Drawing No:	<b>62236-A-L011</b>
Rev:	<b>1</b>



Refer to Sheet 62236-A-L018 for Plant Schedule



JONES ROAD

NOISEWALL WITH NATIVE WOODLAND PLANTING ALONG ROAD SIDE OF WALL

GRASSED VERGE AND EMBANKMENTS

MAIN SOUTH ROAD (SH1)

GRASSED MEDIAN

JOIN LINE - SHEET 2  
JOIN LINE - SHEET 1

**KEY**

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

**FOR INFORMATION**

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Client	NEW ZEALAND TRANSPORT AGENCY
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11
Title	MAIN SOUTH ROAD FOUR LANING I&R PHASE LANDSCAPING PLAN - SHEET 2 OF 9
Drawing No:	62236-A-L012
Rev:	1





Refer to Sheet 62236-A-L018 for Plant Schedule

**KEY**

-  GROUPED SPECIMEN SPECIES ON BARK MULCH BED
-  NATIVE WOODLAND PLANTING
-  NATIVE TREE COPSE
-  NATIVE EMBANKMENT PLANTING
-  RIPARIAN PLANTING
-  DESIGNATION
-  PROPERTY BOUNDARIES
-  EXISTING VEGETATION

**FOR INFORMATION**

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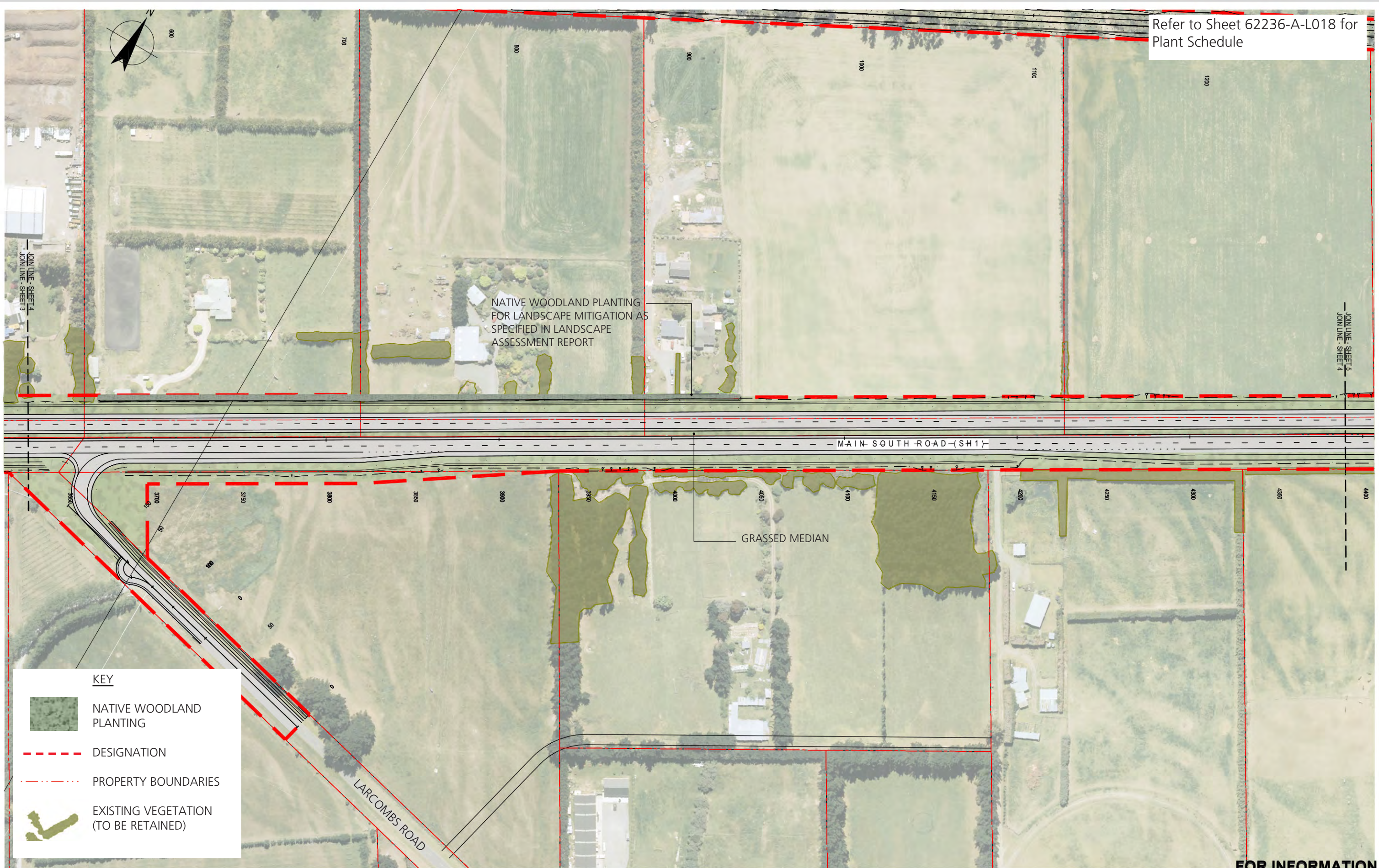
Drawn	EK	Designed	JC
Drafting Check	JC	Design Check	DGA
Approved	GAP		
Date	18.04.13		
A1 Scale			
A3 Scale	1:2000		

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Client	<b>NEW ZEALAND TRANSPORT AGENCY</b>
Project	<b>SH1 REGION 11 RP350/3.92 TO RP365/2.11</b>
Title	<b>MAIN SOUTH ROAD FOUR LANING I&amp;R PHASE LANDSCAPING PLAN - SHEET 3 OF 9</b>
Drawing No:	<b>62236-A-L013</b>
Rev:	<b>1</b>



Refer to Sheet 62236-A-L018 for Plant Schedule




NATIVE WOODLAND PLANTING FOR LANDSCAPE MITIGATION AS SPECIFIED IN LANDSCAPE ASSESSMENT REPORT

MAIN SOUTH ROAD (SH1)

GRASSED MEDIAN

LARCOMBS ROAD

**KEY**

-  NATIVE WOODLAND PLANTING
-  DESIGNATION
-  PROPERTY BOUNDARIES
-  EXISTING VEGETATION (TO BE RETAINED)

**FOR INFORMATION**

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1	FOR EVIDENCE IN CHIEF		EK	JC	GAP	18.04.13
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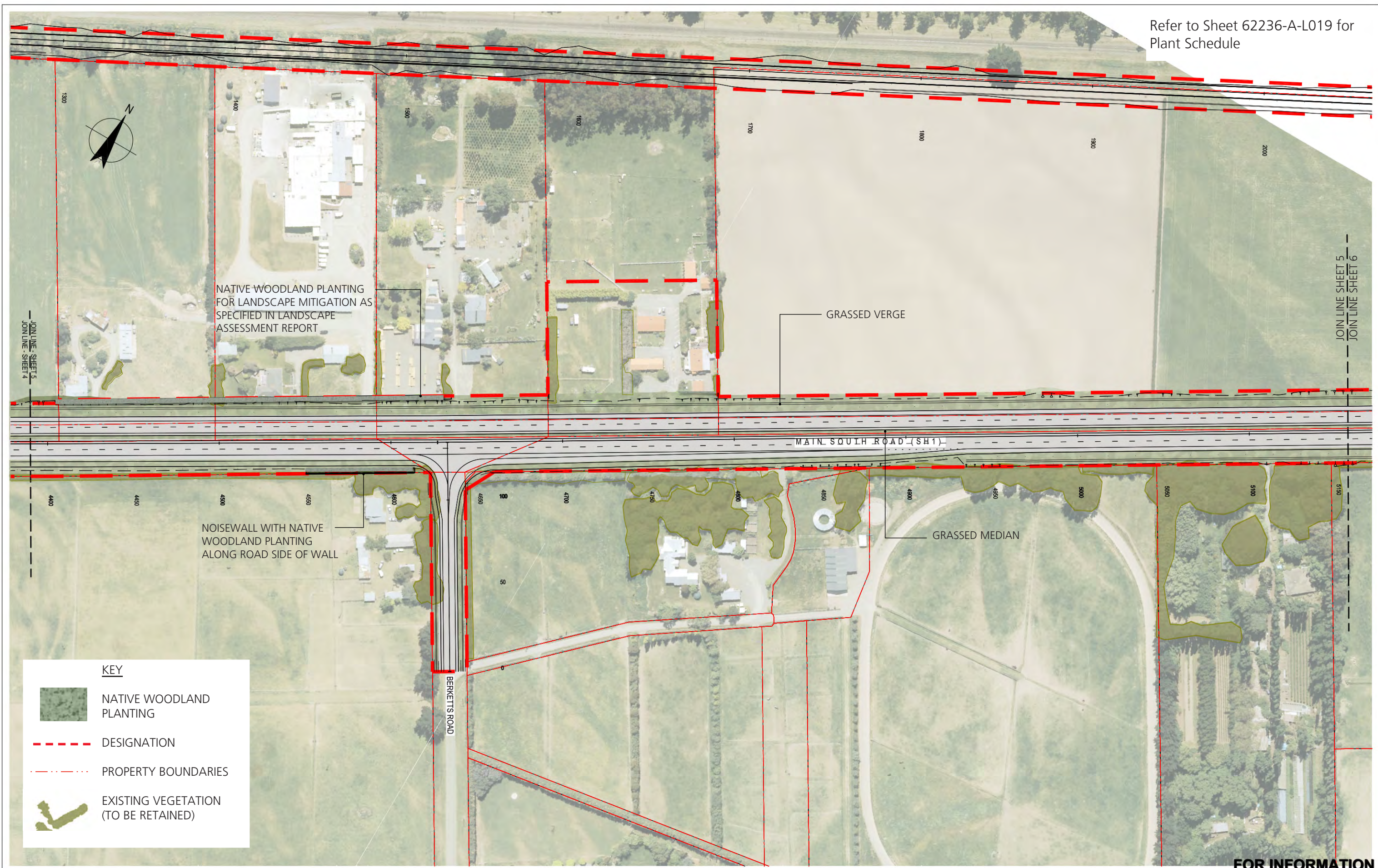


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Client	<b>NEW ZEALAND TRANSPORT AGENCY</b>
Project	<b>SH1 REGION 11 RP350/3.92 TO RP365/2.11</b>
Title	<b>MAIN SOUTH ROAD FOUR LANING I&amp;R PHASE LANDSCAPING PLAN - SHEET 4 OF 9</b>
Drawing No:	<b>62236-A-L014</b>
Rev:	<b>1</b>



Refer to Sheet 62236-A-L019 for Plant Schedule



NATIVE WOODLAND PLANTING FOR LANDSCAPE MITIGATION AS SPECIFIED IN LANDSCAPE ASSESSMENT REPORT

GRASSED VERGE





MAIN SOUTH ROAD (SH1)

NOISEWALL WITH NATIVE WOODLAND PLANTING ALONG ROAD SIDE OF WALL

GRASSED MEDIAN

BERKETT'S ROAD

**KEY**

-  NATIVE WOODLAND PLANTING
-  DESIGNATION
-  PROPERTY BOUNDARIES
-  EXISTING VEGETATION (TO BE RETAINED)

**FOR INFORMATION**

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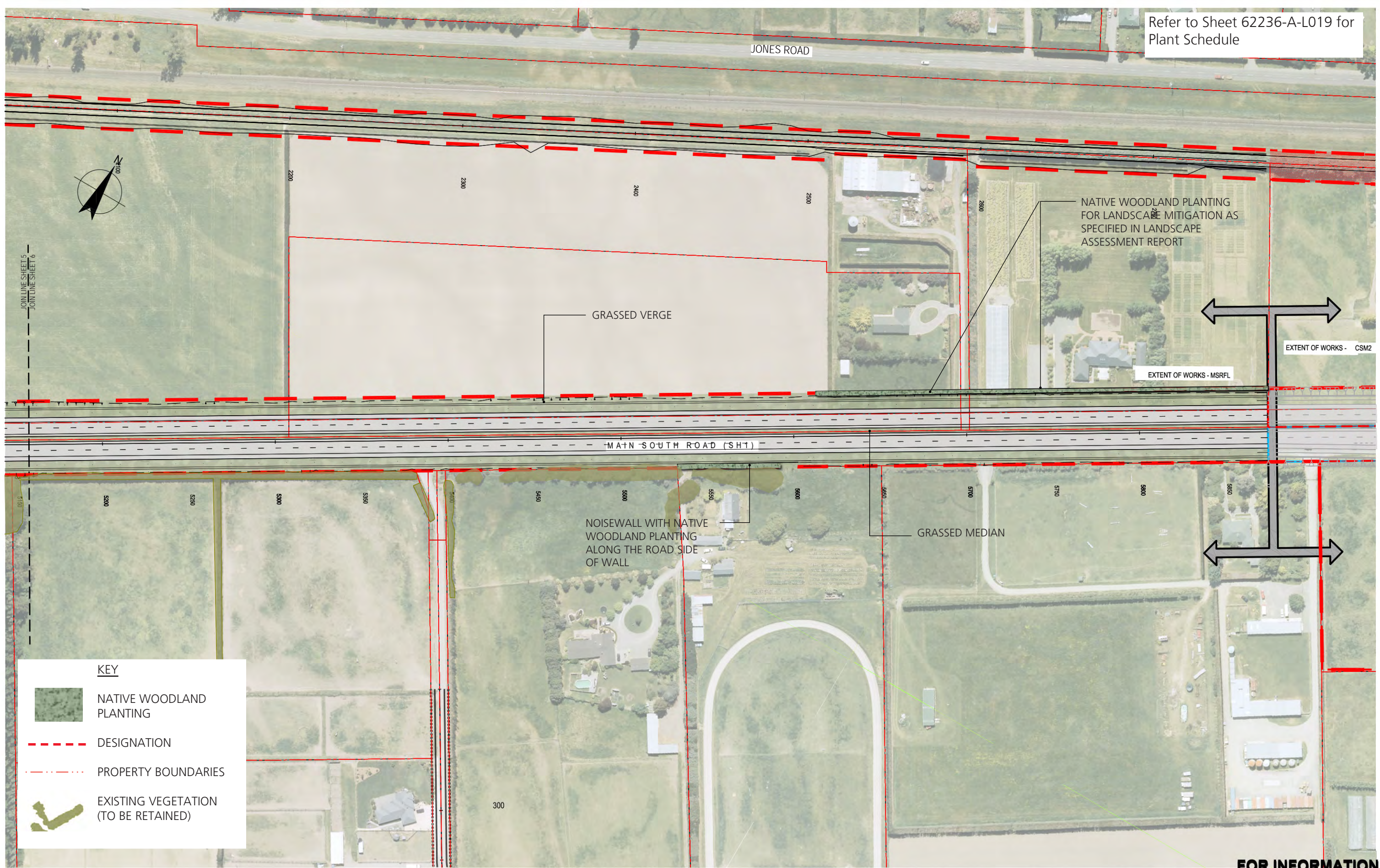
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Client	NEW ZEALAND TRANSPORT AGENCY
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11
Title	MAIN SOUTH ROAD FOUR LANING I&R PHASE LANDSCAPING PLAN - SHEET 5 OF 9
Drawing No:	62236-A-L015
Rev:	1



Refer to Sheet 62236-A-L019 for Plant Schedule



NATIVE WOODLAND PLANTING FOR LANDSCAPE MITIGATION AS SPECIFIED IN LANDSCAPE ASSESSMENT REPORT

GRASSED VERGE

EXTENT OF WORKS - CSM2

EXTENT OF WORKS - MSRFL





MAIN SOUTH ROAD (SH1)

NOISEWALL WITH NATIVE WOODLAND PLANTING ALONG THE ROAD SIDE OF WALL

GRASSED MEDIAN

**FOR INFORMATION**

**KEY**

-  NATIVE WOODLAND PLANTING
-  DESIGNATION
-  PROPERTY BOUNDARIES
-  EXISTING VEGETATION (TO BE RETAINED)

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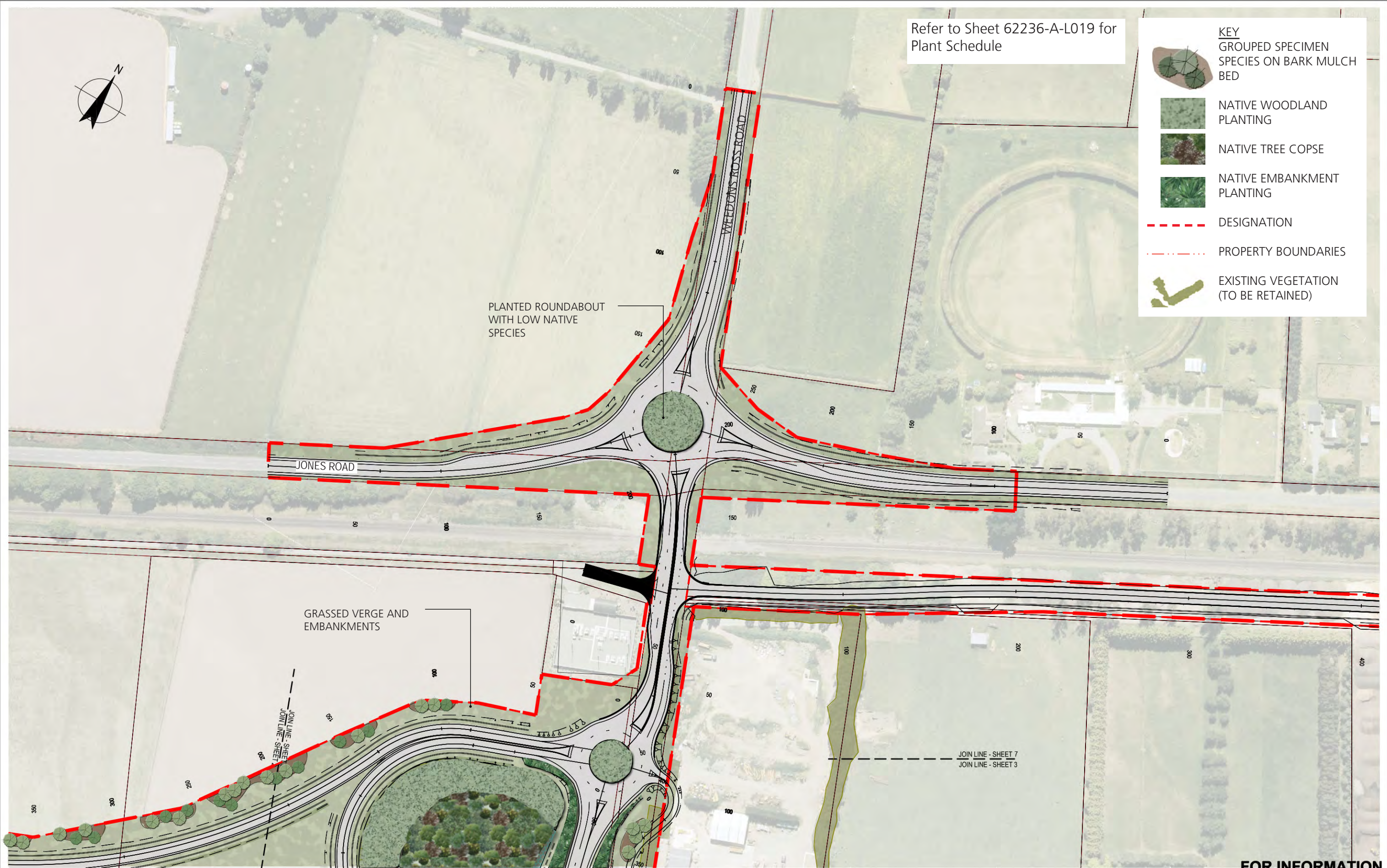
Client	<b>NEW ZEALAND TRANSPORT AGENCY</b>
Project	<b>SH1 REGION 11 RP350/3.92 TO RP365/2.11</b>
	<b>MAIN SOUTH ROAD FOUR LANING I&amp;R PHASE</b>
Title	<b>LANDSCAPING PLAN - SHEET 6 OF 9</b>
Drawing No:	<b>62236-A-L016</b>
Rev:	<b>1</b>



Refer to Sheet 62236-A-L019 for Plant Schedule

**KEY**

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



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Project	<b>SH1 REGION 11 RP350/3.92 TO RP365/2.11</b>
Title	<b>MAIN SOUTH ROAD FOUR LANING I&amp;R PHASE LANDSCAPING PLAN - SHEET 7 OF 9</b>
Drawing No:	<b>62236-A-L017</b>
Rev:	<b>1</b>



**62236-A-L012**



**NATIVE WOODLAND SPECIES**

<b>Trees</b>			
<i>Cordyline australis</i>	Cabbage tree		9
<i>Kunzea ericoides</i>	Kanuka		8
<i>Olearia paniculata</i>	Akiraho		6
<i>Pittosporum tenuifolium</i>	Kohuhu		6
<i>Sophora microphylla</i>	Kowhai		9
<b>Shrubs</b>			
<i>Carmichaelia australis</i>	NZ broom		3
<i>Coprosma crassifolia</i>	Thick leaved miki-miki		3
<i>Coprosma propinqua</i>	Mikimiki		8
<i>Corokia cotoneaster</i>	Wire Netting Bush		6
<i>Discaria toumatou</i>	Matagouri		3
<i>Melicytus alpinus</i>	Porcupine shrub		8
<i>Muehlenbeckia astonii</i>	Shrubby tororaro		8
<i>Olearia adenocarpa</i>	Plains olearia		3
<i>Ozothamnus leptophylla</i>	Golden cottonwood		6
<i>Phormium cookianum</i>	Harakeke / Mountain Flax		5
<i>Phormium tenax</i>	New Zealand flax		5
<i>Sophora prostrata</i>	Kowhai		8
<b>Groundcovers</b>			
<i>Carex comans</i>	Tussock sedge		5
<i>Cortaderia richardii</i>	Toetoe		5
<i>Festuca novae-zelandiae</i>	Hard tussock		5
<i>Muehlenbeckia axillaris</i>	Mat pohuehue		5
<i>Poa cita</i>	Silver tussock		5

**125m2**

**PROPOSED SPECIMEN/ WOODLAND TREE SPECIES**



<b>Native trees</b>			
<i>Cordyline australis</i>	Cabbage tree		2
<i>Podocarpus totara</i>	Totara		11
<i>Sophora microphylla</i>	Kowhai		7
<b>Exotic trees</b>			
<i>Fagus sylvatica</i>	European Beech		2
<i>Fraxinus excelsior</i>	Common Ash		2
<i>Quercus canariensis</i>	Mirbeck oak		4
<i>Quercus cerris</i>	Turkey oak		4
<i>Quercus robur</i>	Common oak		4
<i>Quercus ilex</i>	Holm oak		2

**36 specimen**

**62236-A-L014**



**NATIVE WOODLAND SPECIES**

<b>Trees</b>			
<i>Cordyline australis</i>	Cabbage tree		68
<i>Kunzea ericoides</i>	Kanuka		58
<i>Olearia paniculata</i>	Akiraho		48
<i>Pittosporum tenuifolium</i>	Kohuhu		48
<i>Sophora microphylla</i>	Kowhai		68
<b>Shrubs</b>			
<i>Carmichaelia australis</i>	NZ broom		19
<i>Coprosma crassifolia</i>	Thick leaved miki-miki		19
<i>Coprosma propinqua</i>	Mikimiki		58
<i>Corokia cotoneaster</i>	Wire Netting Bush		48
<i>Discaria toumatou</i>	Matagouri		19
<i>Melicytus alpinus</i>	Porcupine shrub		58
<i>Muehlenbeckia astonii</i>	Shrubby tororaro		58
<i>Olearia adenocarpa</i>	Plains olearia		19
<i>Ozothamnus leptophylla</i>	Golden cottonwood		48
<i>Phormium cookianum</i>	Harakeke / Mountain Flax		39
<i>Phormium tenax</i>	New Zealand flax		39
<i>Sophora prostrata</i>	Kowhai		58
<b>Groundcovers</b>			
<i>Carex comans</i>	Tussock sedge		39
<i>Cortaderia richardii</i>	Toetoe		39
<i>Festuca novae-zelandiae</i>	Hard tussock		39
<i>Muehlenbeckia axillaris</i>	Mat pohuehue		39
<i>Poa cita</i>	Silver tussock		39

**968m2**

**62236-A-L013**



**NATIVE WOODLAND SPECIES**

<b>Trees</b>			
<i>Cordyline australis</i>	Cabbage tree		1362
<i>Kunzea ericoides</i>	Kanuka		1167
<i>Olearia paniculata</i>	Akiraho		973
<i>Pittosporum tenuifolium</i>	Kohuhu		973
<i>Sophora microphylla</i>	Kowhai		1362
<b>Shrubs</b>			
<i>Carmichaelia australis</i>	NZ broom		389
<i>Coprosma crassifolia</i>	Thick leaved miki-miki		389
<i>Coprosma propinqua</i>	Mikimiki		1167
<i>Corokia cotoneaster</i>	Wire Netting Bush		973
<i>Discaria toumatou</i>	Matagouri		389
<i>Melicytus alpinus</i>	Porcupine shrub		1167
<i>Muehlenbeckia astonii</i>	Shrubby tororaro		1167
<i>Olearia adenocarpa</i>	Plains olearia		389
<i>Ozothamnus leptophylla</i>	Golden cottonwood		973
<i>Phormium cookianum</i>	Harakeke / Mountain Flax		778
<i>Phormium tenax</i>	New Zealand flax		778
<i>Sophora prostrata</i>	Kowhai		1167
<b>Groundcovers</b>			
<i>Carex comans</i>	Tussock sedge		778
<i>Cortaderia richardii</i>	Toetoe		778
<i>Festuca novae-zelandiae</i>	Hard tussock		778
<i>Muehlenbeckia axillaris</i>	Mat pohuehue		778
<i>Poa cita</i>	Silver tussock		778

**19455m2**



**NATIVE TREE COPSE**

<b>Trees @ 6m ctrs</b>			
<i>Podocarpus totara</i>	Totara		211
<i>Prumnopitys taxifolia</i>	Matai		211
<b>Subsidiary trees @ 6m ctrs</b>			
<i>Cordyline australis</i>	Cabbage tree		105
<i>Dodonaea viscosa</i>	Akeake		105
<i>Hoheria augustifolia</i>	Houehere		105
<i>Kunzea ericoides</i>	Kanuka		127
<i>Olearia paniculata</i>	Akiraho		105
<i>Pittosporum tenuifolium</i>	Kohuhu		105
<i>Pseudopanax crassifolius</i>	Lancewood		84
<i>Sophora microphylla</i>	Kowhai		105
<b>Nursery plants @ 1m ctrs</b>			
<i>Coprosma crassifolia</i>	Thick leaved miki-miki		1012
<i>Coprosma propinqua</i>	Mikimiki		1012
<i>Leptospermum scoparium</i>	Manuka		1012
<i>Phormium cookianum</i>	Harakeke / Mountain Flax		1012
<i>Phormium tenax</i>	New Zealand flax		1012

**14181m2**



**NATIVE EMBANKMENT PLANTING**

**7157m2**

<b>Low embankment</b>			
<i>Corokia cotoneaster</i>	Wire Netting Bush		537
<i>Cortaderia richardii</i>	Toetoe		358
<i>Hebe odora</i>	Boxwood Hebe		358
<i>Hebe strictissima</i>	Koromiko		358
<i>Muehlenbeckia astonii</i>	Shrubby Tororaro		537
<i>Phormium cookianum</i>	Mountain Flax		895
<i>Poa cita</i>	Silver Tussock		537
<b>High embankment</b>			
<i>Coprosma crassifolia</i>	Thick leaved Mikimiki		286
<i>Coprosma propinqua</i>	Mikimiki		179
<i>Coprosma robusta</i>	Karamu		358
<i>Coprosma rubra</i>	Stemmed Coprosma		251
<i>Coprosma virescens</i>	Pale Green Coprosma		179
<i>Cordyline australis</i>	Ti Kouka / Cabbage Tree		179
<i>Corokia cotoneaster</i>	Wire Netting Bush		179
<i>Cortaderia richardii</i>	Toetoe		179
<i>Dodonaea viscosa</i>	AkeAke		179
<i>Hebe strictissima</i>	Koromiko		179
<i>Kunzea ericoides</i>	Kanuka		215
<i>Olearia paniculata</i>	Akiraho		179
<i>Phormium cookianum</i>	Harakeke / Mountain Flax		358
<i>Pittosporum tenuifolium</i>	Kohuhu		215
<i>Pseudopanax crassifolius</i>	Horoeka / Lancewood		179
<i>Sophora microphylla</i>	Kowhai		286

**PROPOSED RIPARIAN PLANTING**

<i>Carex secta</i>	Purei		293
<i>Juncus gregiflorus</i>	Green rush		293
<i>Phormium tenax</i>	Harakeke		293

**888m2**



**PROPOSED SPECIMEN/ WOODLAND TREE SPECIES**

<b>Native trees</b>			
<i>Cordyline australis</i>	Cabbage tree		2
<i>Podocarpus totara</i>	Totara		11
<i>Sophora microphylla</i>	Kowhai		7
<b>Exotic trees</b>			
<i>Fagus sylvatica</i>	European Beech		2
<i>Fraxinus excelsior</i>	Common Ash		2
<i>Quercus canariensis</i>	Mirbeck oak		4
<i>Quercus cerris</i>	Turkey oak		4
<i>Quercus robur</i>	Common oak		4
<i>Quercus ilex</i>	Holm oak		2

**35 specimen**

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
1		FOR EVIDENCE IN CHIEF	EK	JC	GAP	18.04.13



NZ TRANSPORT AGENCY  
WAKA KOTAHAI



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	Approved GAP	Date 18.04.13	Title <b>MAIN SOUTH ROAD FOUR LANE I&amp;R PHASE LANDSCAPING PLAN - SHEET 8 OF 9</b>
A1 Scale	This Drawing must not be used for Construction unless signed as Approved		Drawing No: <b>62236-A-L018</b>
A3 Scale 1:2000			Rev: <b>1</b>



**62236-A-L015**



NATIVE WOODLAND SPECIES

**Trees**

<i>Cordyline australis</i>	Cabbage tree	56
<i>Kunzea ericoides</i>	Kanuka	48
<i>Olearia paniculata</i>	Akiraho	40
<i>Pittosporum tenuifolium</i>	Kohuhu	40
<i>Sophora microphylla</i>	Kowhai	56

**Shrubs**

<i>Carmichaelia australis</i>	NZ broom	16
<i>Coprosma crassifolia</i>	Thick leaved miki-miki	16
<i>Coprosma propinqua</i>	Mikimiki	48
<i>Corokia cotoneaster</i>	Wire Netting Bush	40
<i>Discaria toumatou</i>	Matagouri	16
<i>Melicytus alpinus</i>	Porcupine shrub	48
<i>Muehlenbeckia astonii</i>	Shrubby tororaro	48
<i>Olearia adenocarpa</i>	Plains olearia	16
<i>Ozothamnus leptophylla</i>	Golden cottonwood	40
<i>Phormium cookianum</i>	Harakeke / Mountain Flax	32
<i>Phormium tenax</i>	New Zealand flax	32
<i>Sophora prostrata</i>	Kowhai	48

**Groundcovers**

<i>Carex comans</i>	Tussock sedge	32
<i>Cortaderia richardii</i>	Toetoe	32
<i>Festuca novae-zelandiae</i>	Hard tussock	32
<i>Muehlenbeckia axillaris</i>	Mat pohuehue	32
<i>Poa cita</i>	Silver tussock	32

805m2

**62236-A-L016**



NATIVE WOODLAND SPECIES

**Trees**

<i>Cordyline australis</i>	Cabbage tree	57
<i>Kunzea ericoides</i>	Kanuka	49
<i>Olearia paniculata</i>	Akiraho	41
<i>Pittosporum tenuifolium</i>	Kohuhu	41
<i>Sophora microphylla</i>	Kowhai	57

**Shrubs**

<i>Carmichaelia australis</i>	NZ broom	16
<i>Coprosma crassifolia</i>	Thick leaved miki-miki	16
<i>Coprosma propinqua</i>	Mikimiki	49
<i>Corokia cotoneaster</i>	Wire Netting Bush	41
<i>Discaria toumatou</i>	Matagouri	16
<i>Melicytus alpinus</i>	Porcupine shrub	49
<i>Muehlenbeckia astonii</i>	Shrubby tororaro	49
<i>Olearia adenocarpa</i>	Plains olearia	16
<i>Ozothamnus leptophylla</i>	Golden cottonwood	41
<i>Phormium cookianum</i>	Harakeke / Mountain Flax	32
<i>Phormium tenax</i>	New Zealand flax	32
<i>Sophora prostrata</i>	Kowhai	49

**Groundcovers**

<i>Carex comans</i>	Tussock sedge	32
<i>Cortaderia richardii</i>	Toetoe	32
<i>Festuca novae-zelandiae</i>	Hard tussock	32
<i>Muehlenbeckia axillaris</i>	Mat pohuehue	32
<i>Poa cita</i>	Silver tussock	32

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**62236-A-L017**



NATIVE WOODLAND SPECIES

**Trees**

<i>Cordyline australis</i>	Cabbage tree	66
<i>Kunzea ericoides</i>	Kanuka	57
<i>Olearia paniculata</i>	Akiraho	47
<i>Pittosporum tenuifolium</i>	Kohuhu	47
<i>Sophora microphylla</i>	Kowhai	66

**Shrubs**

<i>Carmichaelia australis</i>	NZ broom	19
<i>Coprosma crassifolia</i>	Thick leaved miki-miki	19
<i>Coprosma propinqua</i>	Mikimiki	57
<i>Corokia cotoneaster</i>	Wire Netting Bush	47
<i>Discaria toumatou</i>	Matagouri	19
<i>Melicytus alpinus</i>	Porcupine shrub	57
<i>Muehlenbeckia astonii</i>	Shrubby tororaro	57
<i>Olearia adenocarpa</i>	Plains olearia	19
<i>Ozothamnus leptophylla</i>	Golden cottonwood	47
<i>Phormium cookianum</i>	Harakeke / Mountain Flax	38
<i>Phormium tenax</i>	New Zealand flax	38
<i>Sophora prostrata</i>	Kowhai	57

**Groundcovers**

<i>Carex comans</i>	Tussock sedge	38
<i>Cortaderia richardii</i>	Toetoe	38
<i>Festuca novae-zelandiae</i>	Hard tussock	38
<i>Muehlenbeckia axillaris</i>	Mat pohuehue	38
<i>Poa cita</i>	Silver tussock	38

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1	FOR EVIDENCE IN CHIEF	EK	JC	GAP	18.04.13
No	Revision	Drawn	Checked	Approved	Date



NZ TRANSPORT AGENCY  
WAKA KOTAHI



**DO NOT SCALE**

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Drawn	EK	Designed	JC
Drafting Check	JC	Design Check	DGA
Approved	GAP		
Date	18.04.13		
A1 Scale	1:2000		

Client	NEW ZEALAND TRANSPORT AGENCY		
Project	SH1 REGION 11 RP350/3.92 TO RP365/2.11		
	MAIN SOUTH ROAD FOUR LANING I&R PHASE		
Title	LANDSCAPING PLAN - SHEET 9 OF 9		
Drawing No:	62236-A-L019		Rev: 1

This Drawing must not be used for Construction unless signed as Approved