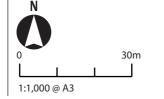




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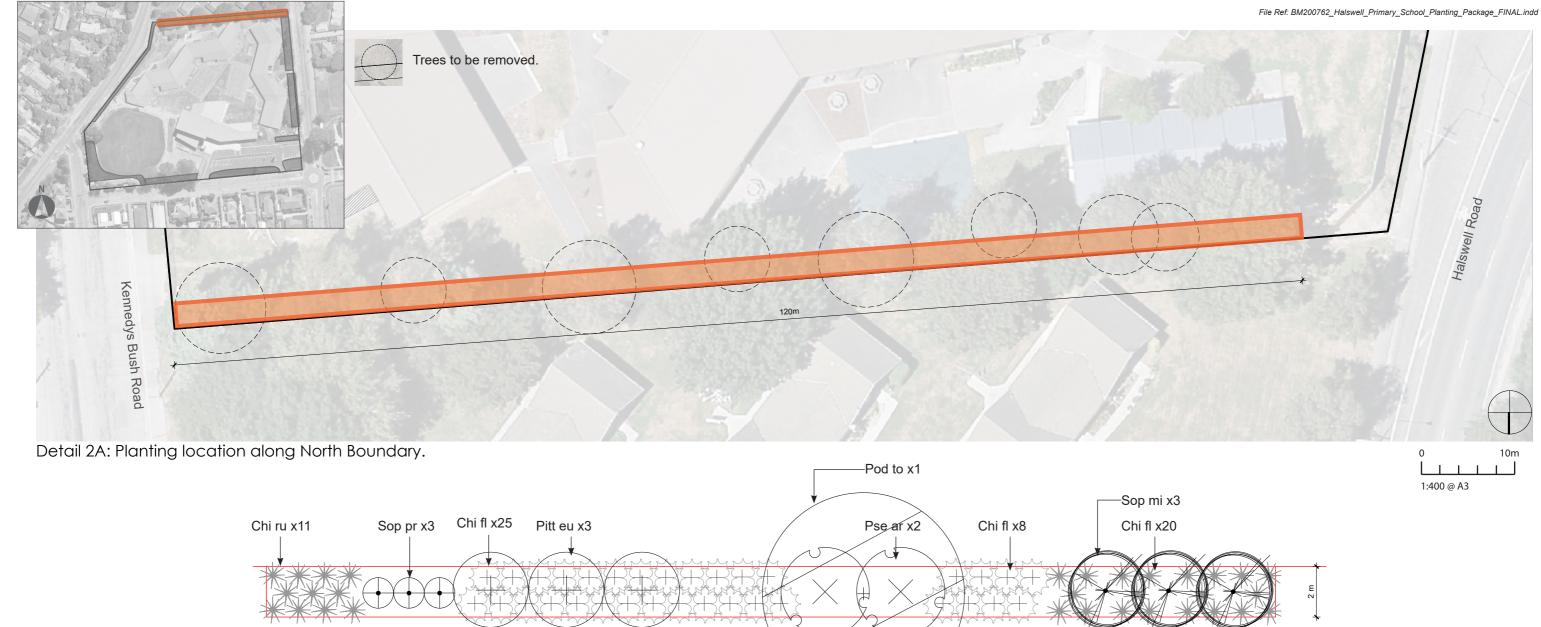


HALSWELL PRIMARY SCHOOL

Overview Plan

Date: 13 October 2020 | Revision: 3

Plan prepared for Halswell School by Boffa Miskell Limited Project Manager: Craig.Pauling@boffamiskell.co.nz | Drawn: MMe | Checked: CPa



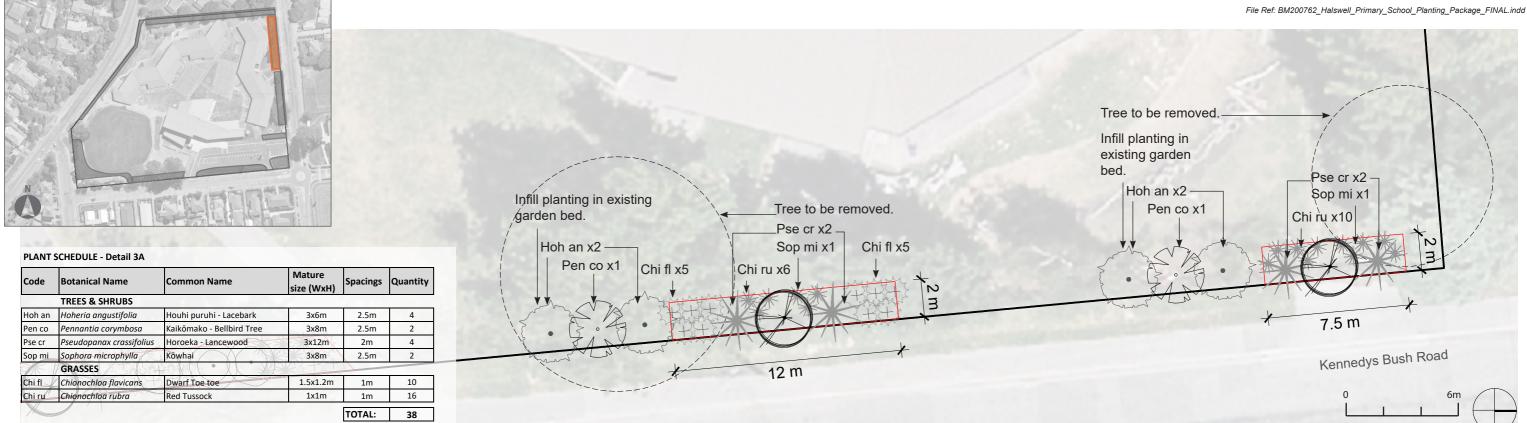
Detail 2B: 40m repetitive planting pattern to be implemented over 120m. Planting to be incorporated between trees to be retained.

PLANT SCHEDULE - Detail 2B

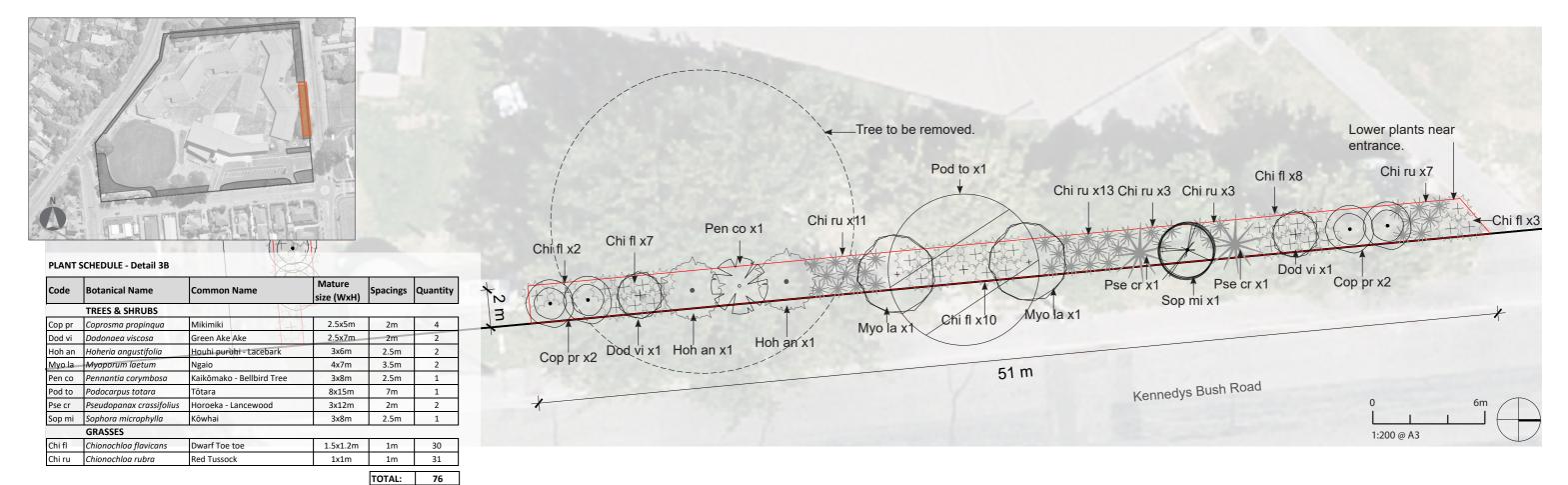
Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Pit eu	Pittosporum eugenoides	Tarata - Lemonwood	3x12m	3m	3
Pod to	Podocarpus totara	Tōtara	8x15m	7m	1
Pse ar	Pseudopanax arboreus	Whauwhaupaku - Five Finger	3.5x6m	3m	2
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	3
Sop pr	Sophora prostrata	Dwarf Kōwhai	1x2m	1m	3
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	33
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	31
(Total is	for one 40m repeatable pat	tern)		TOTAL:	76

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HALSWELL PRIMARY SCHOOL



Detail 3A: Planting detail along North East Boundary.



Detail 3B: Planting detail along South East Boundary.



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Lower plants near

entrance.



PLANT SCHEDULE - Detail 4A

Chi ru Chionochloa rubra

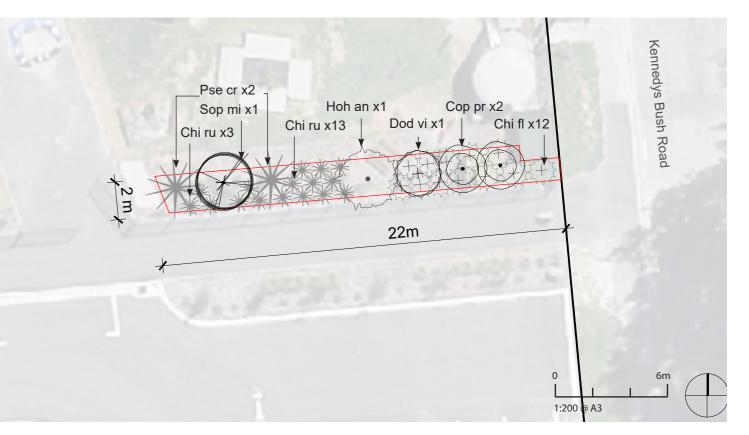
Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Cop pr	Coprosma propinqua	Mikimiki	2.5x5m	2m	2
Dod vi	Dodonaea viscosa	Green Ake Ake	2.5x7m	2m	1
Hoh an	Hoheria angustifolia	Houhi puruhi - Lacebark	3x6m	2.5m	1
Pse cr	Pseudopanax crassifolius	Horoeka - Lancewood	3x12m	2m	2
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	1
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	12

Red Tussock

1x1m

1m 16

TOTAL: 35



Detail 4A: Planting detail at South Access.



PLANT SCHEDULE - Detail 5

Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Cop pr	Coprosma propinqua	Mikimiki	2.5x5m	2m	4
Dod vi	Dodonaea viscosa	Green Ake Ake	2.5x7m	2m	2
Hoh an	Hoheria angustifolia	Houhi puruhi - Lacebark	3x6m	2.5m	2
Myo la	Myoporum laetum	Ngaio	4x7m	3.5m	2
Pen co	Pennantia corymbosa	Kaikōmako - Bellbird Tree	3x8m	2.5m	1
Pod to	Podocarpus totara	Tōtara	8x15m	7m	1
Pse cr	Pseudopanax crassifolius	Horoeka - Lancewood	3x12m	2m	2
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	1
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	31
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	31

Pod to x1 Chi ru x7 Chi fl x4 Chi fl x8 Chi ru x13 Chi ru x3 Chi ru x3 Chi ru x11 Pen co x1 Chi fl x7 Chi fl x2 Pse cr x1 Cop pr x2 Sop mi x1 Chi fl x10 Myo la x1 Myo la x Cop pr x2 Dod vi x1 Hoh an x1 Hoh an x1 52 m School Road 1:200 @ A3

Detail 5: Planting detail South.



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TOTAL: 77

HALSWELL PRIMARY SCHOOL

PLANT SCHEDULE - Detail 2B

Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Pit eu	Pittosporum eugenoides	Tarata - Lemonwood	3x12m	3m	3
Pod to	Podocarpus totara	Tōtara	8x15m	7m	1
Pse ar	Pseudopanax arboreus	Whauwhaupaku - Five Finger	3.5x6m	3m	2
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	3
Sop pr	Sophora prostrata	Dwarf Kōwhai	1x2m	1m	3
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	33
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	31
(Total is	for one 40m repeatable pat	tern)		TOTAL:	76

PLANT SCHEDULE - Detail 3A

Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Hoh an	Hoheria angustifolia	Houhi puruhi - Lacebark	3x6m	2.5m	4
Pen co	Pennantia corymbosa	Kaikōmako - Bellbird Tree	3x8m	2.5m	2
Pse cr	Pseudopanax crassifolius	Horoeka - Lancewood	3x12m	2m	4
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	2
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	10
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	16
				TOTAL:	38

PLANT SCHEDULE - Detail 3B

Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Cop pr	Coprosma propinqua	Mikimiki	2.5x5m	2m	4
Dod vi	Dodonaea viscosa	Green Ake Ake	2.5x7m	2m	2
Hoh an	Hoheria angustifolia	Houhi puruhi - Lacebark	3x6m	2.5m	2
Myo la	Myoporum laetum	Ngaio	4x7m	3.5m	2
Pen co	Pennantia corymbosa	Kaikōmako - Bellbird Tree	3x8m	2.5m	1
Pod to	Podocarpus totara	Tōtara	8x15m	7m	1
Pse cr	Pseudopanax crassifolius	Horoeka - Lancewood	3x12m	2m	2
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	1
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	30
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	31

TOTAL:	76

PLANT SCHEDULE - Detail 4A

Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Cop pr	Coprosma propinqua	Mikimiki	2.5x5m	2m	2
Dod vi	Dodonaea viscosa	Green Ake Ake	2.5x7m	2m	1
Hoh an	Hoheria angustifolia	Houhi puruhi - Lacebark	3x6m	2.5m	1
Pse cr	Pseudopanax crassifolius	Horoeka - Lancewood	3x12m	2m	2
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	1
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	12
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	16
				TOTAL:	35

PLANT SCHEDULE - Detail 5

Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Cop pr	Coprosma propinqua	Mikimiki	2.5x5m	2m	4
Dod vi	Dodonaea viscosa	Green Ake Ake	2.5x7m	2m	2
Hoh an	Hoheria angustifolia	Houhi puruhi - Lacebark	3x6m	2.5m	2
Myo la	Myoporum laetum	Ngaio	4x7m	3.5m	2
Pen co	Pennantia corymbosa	Kaikōmako - Bellbird Tree	3x8m	2.5m	1
Pod to	Podocarpus totara	Tōtara	8x15m	7m	1
Pse cr	Pseudopanax crassifolius	Horoeka - Lancewood	3x12m	2m	2
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	1
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	31
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	31
				TOTAL:	77

Code	Botanical Name	Common Name	Mature size (WxH)	Spacings	Quantity
	TREES & SHRUBS				
Cop pr	Coprosma propinqua	Mikimiki	2.5x5m	2m	10
Dod vi	Dodonaea viscosa	Green Ake Ake	2.5x7m	2m	5
Hoh an	Hoheria angustifolia	Houhi puruhi - Lacebark	3x6m	2.5m	9
Myo la	Myoporum laetum	Ngaio	4x7m	3.5m	4
Pen co	Pennantia corymbosa	Kaikōmako - Bellbird Tree	3x8m	2.5m	4
Pit eu	Pittosporum eugenoides	Tarata - Lemonwood	3x12m	3m	3
Pod to	Podocarpus totara	Tōtara	8x15m	7m	3
Pse ar	Pseudopanax arboreus	Whauwhaupaku - Five Finger	3.5x6m	3m	2
Pse cr	Pseudopanax crassifolius	Horoeka - Lancewood	3x12m	2m	10
Sop mi	Sophora microphylla	Kōwhai	3x8m	2.5m	8
Sop pr	Sophora prostrata	Dwarf Kōwhai	1x2m	1m	3
	GRASSES				
Chi fl	Chionochloa flavicans	Dwarf Toe toe	1.5x1.2m	1m	116
Chi ru	Chionochloa rubra	Red Tussock	1x1m	1m	125
				TOTAL:	302

Figure 5



Coprosma propinqua



Tōtara Podocarpus totara



Dwarf Toe toe Chionochloa flavicans



Green Ake Ake Dodonaea viscosa



Horoeka - Lancewood Pseudopanax crassifolia



Chionochloa rubra



Houhi puruhi - Lacebark Hoheria angustifolia



Whauwhaupaku - Five Finger Pseudopanax arboreus



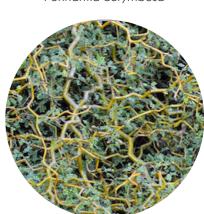
Ngaio Myoporum laetum



Kōwhai Sophora microphylla



Kaikōmako - Bellbird Tree Pennantia corymbosa

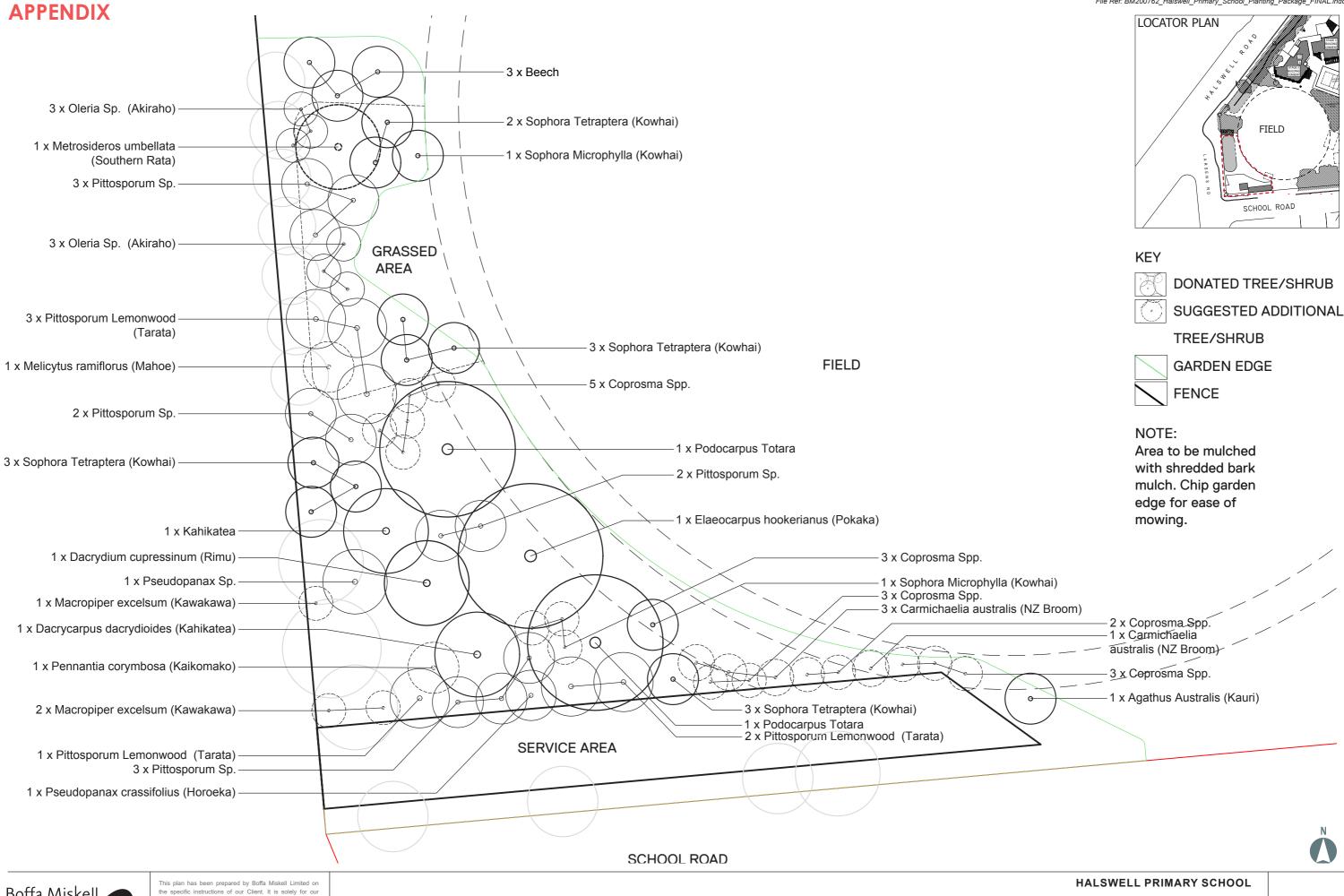


Dwarf Kōwhai Sophora prostrata



Tarata - Lemonwood Pittosporum eugenoides



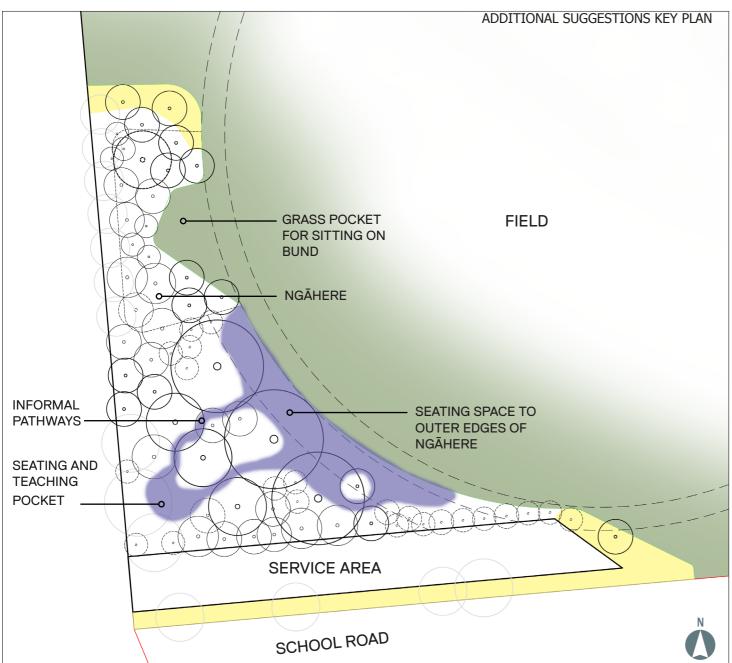




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Appendix: Page 01 from original plan prepared on the 26.08.2016

Figure 7



SUGGESTION 01

ADDITIONAL PLANTING TO NGĀHERE AREA.

Inclusion of further appropriate species to the Ngāhere area could enhance the character of the space. Species chosen are found in the NZ forest, and include species of educational benefit - for example used by Maori in traditional medicines and for domestic use. Alongside the donated plants, consider the addition of the following species, as shown on planting plan.

PROPOSED ADDITIONAL SPECIES

PLANT INFORMATION

(Approx only - Sourced Southern

HEIGHT/ SPREAD	COST
15m x 3 m	\$15.95
8m x 2.5m	\$ 4.45
3m x 3m	
8m x 3m	\$ 10.85
3m x 2.5 m	\$ 13.95
5m x 2.5m	\$ 10.85
1.5m x 1m	
3m x 2m	\$ 9.50
3m x 2m	\$ 10.85
	SPREAD 15m x 3 m 8m x 2.5m 3m x 3m 8m x 3m 3m x 2.5 m 5m x 2.5m 1.5m x 1m 3m x 2m

004421101100
INFORMAL PATHWAYS AND SEATING AREA.
The Ngāhere area has the potential to be utilised as a learning and social
space. Plantings have been spaced to allow pathways through the forest, which could be formalised with chip, stepping-stone rocks, low plank
walks or a bark surface. Informal seating pockets in the form of logs and
rocks could be included within the forest plantings, while more formal
seating options are a potential to the outer edges.
SUGGESTION 04
JUGGESTION 07
INTERPRETIVE SIGNAGE.
To supplement the experiential educational values of the Ngāhere area,

SUGGESTION 02

SUGGESTION 03

with the adjacent school landscape.

of the Ngāhere area, interpretive signage could be utilised. Signage could be included within the seating pockets, along paths, or associated with individual plant specimines. These signs could inform the students and community about key NZ forest species, with information such as names, growing conditions, flowering/fruiting times and uses, and contemporory uses.

CONSIDER GARDEN / UNDER PLANTING.

Addition of underplantings consistent with the wider school planting design would be of benefit in the areas coloured yellow. Plantings in these

locations (adjacent existing gate and to end of and along fenced area)

would book-end the Ngāhere area to soften and blend the forest margins















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Southern Rata / Metrosideros excelsa











Mikimiki / Coprosma vireser

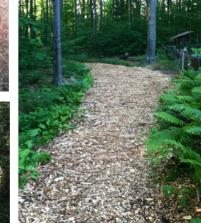




Figure 8

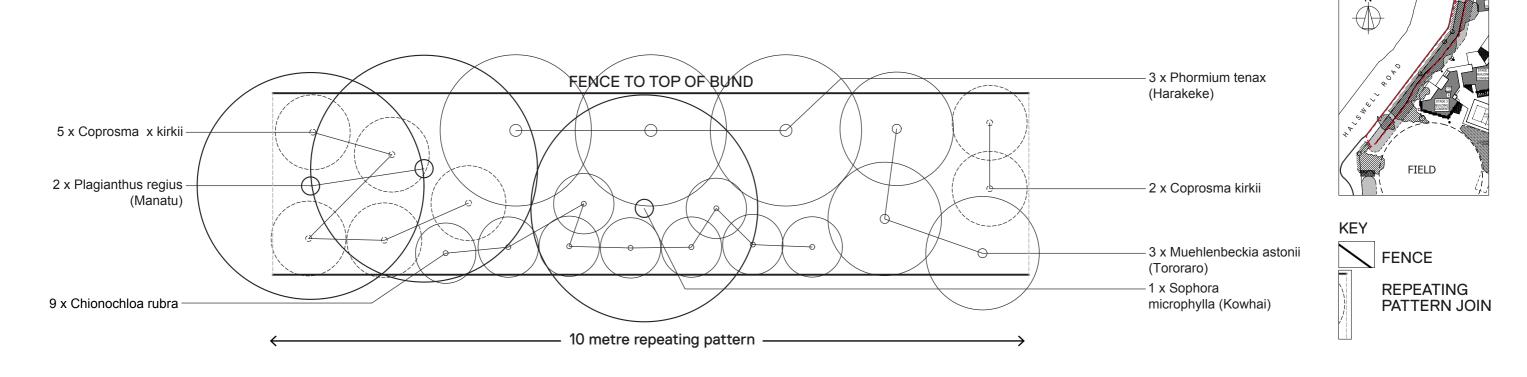
Native broom / Carmichelia australis

HALSWELL PRIMARY SCHOOL

Appendix: Page 02 from original plan prepared on the 26.08.2016

Boffa Miskell

LOCATOR PLAN



FOOTPATH / HALSWELL ROAD











Native species suitable for planting on sloped areas are indicated in the







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HALSWELL PRIMARY SCHOOL