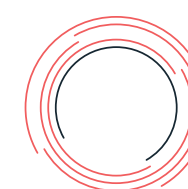


Ministry of Education
Fendalton Open-air School
168 Clyde Rd, Fendalton, CHCH
COMMUNITY PRESENTATION
OCTOBER 2022



designgroup

stapleton elliott

Existing Site Plan -
School-wide

Ministry of Education

Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. **M742**

PLOT DATE. **21/10/2022 2:34:30 pm**

SITE INFORMATION

168 Clyde Road, Burnside,
Christchurch

Parcel ID: 3527602, 3493012, 3354891,
3486625, 3526642, 3461532, 3459165,
3395644,

Climate Zone: **3**
Earthquake Zone: **Zone 2**
Ezposure Zone: **Zone C**
Lee Zone: **No**
Rainfall Range: **40 - 50**
Wind Region: **A**
Wind Zone: **Low**

Site Information

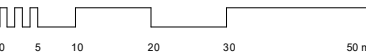
Rainfall Intensity: 50 mm/h

Climate Zone: 3

Corrosion Zone: C

Wind Zone: A

NZBC E2 Compliance: Compliance
with NZBC E2 is by means of NZBC
E2 AS1. Refer Risk Matrix provided.



A3 Print Scale 1 : 1
A1 Print Scale 1 : 2

Wellington +64 4 920 0032 wn@dgse.co.nz
Palmerston North +64 6 357 4534 pn@dgse.co.nz
Tauranga +64 7 925 6238 tr@dgse.co.nz
Napier +64 6 835 6173 np@dgse.co.nz
Auckland +64 9 976 8288 ak@dgse.co.nz



designgroup
stapleton elliott

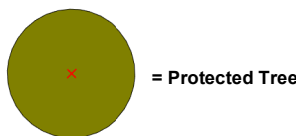


Existing Aerial - Overall
SCALE @ A3 - 1 : 5000 SCALE @ A1 - DOUBLE SCALE

Wairarapa Stream

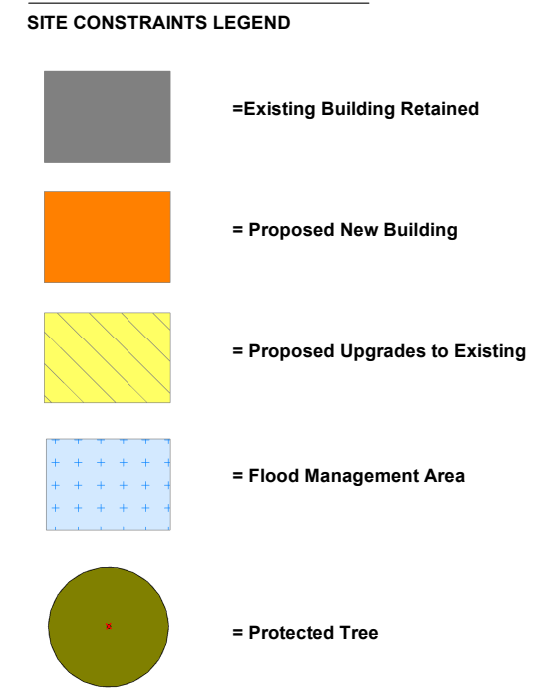
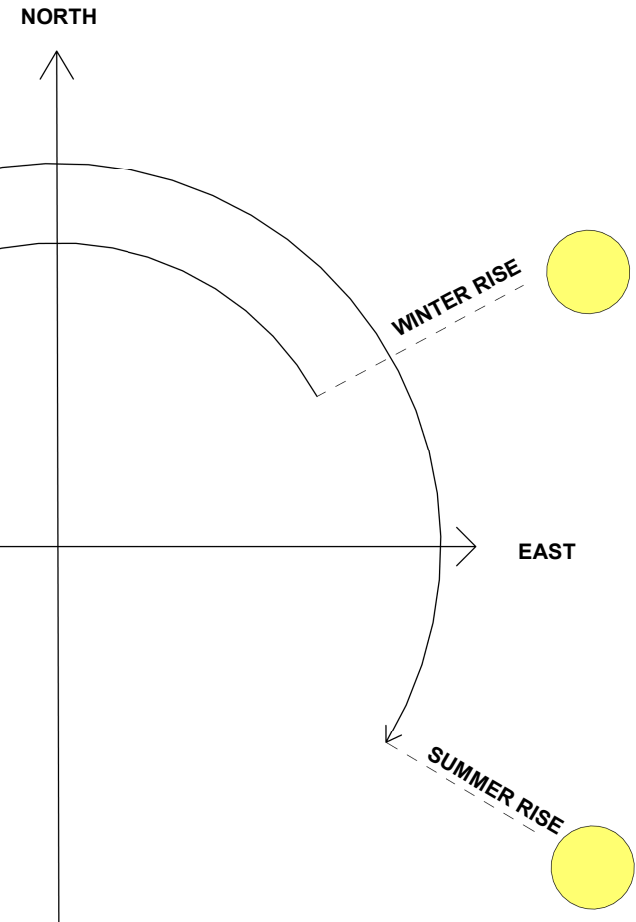
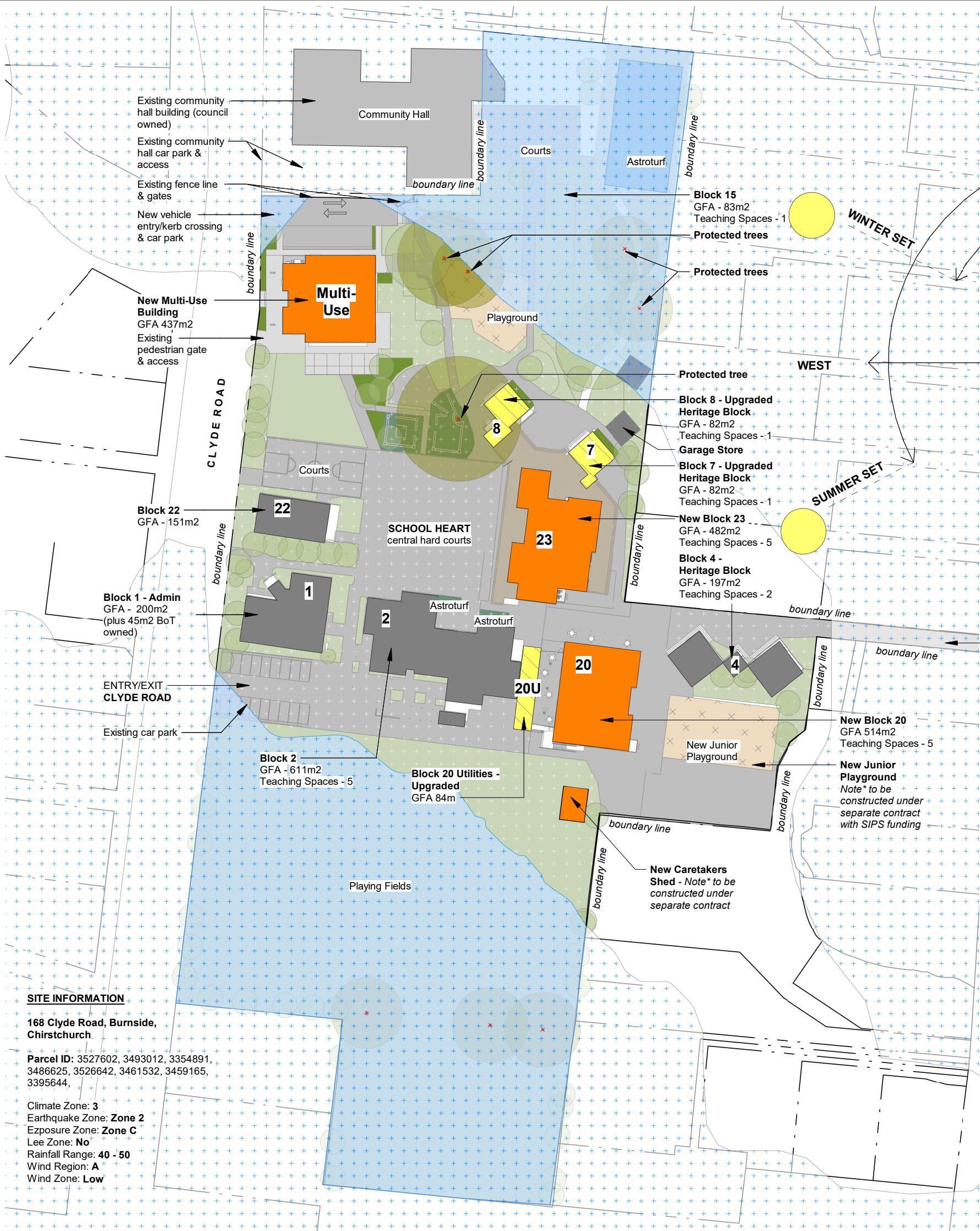
ENTRY/EXIT
WAIWETU ST
pedestrian only
access

WAIWETU STREET



= Protected Tree

Overall Existing Site Plan
SCALE @ A3 - 1 : 1000 SCALE @ A1 - DOUBLE SCALE



Note* Refer to civil engineers report for more information on parameters around FFL and flood management

A051

REV.N

Site Constraints Plan

Ministry of Education
Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. **M742**
PLOT DATE. **21/10/2022 3:32:47 pm**

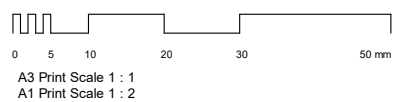
N	ENABLING WORKS ISSUE	2022.10.10
L	DETAILED DESIGN - DRAFT - Client Issue	26.08.2022
K	Developed Design DRP RESPONSE	01.08.2022
J	Developed Design DRP Issue	27.06.2022
G	Finalised Outline Plan	02.12.22
A	Prelim Design DRP Issue	22.04.21
NO.	DESCRIPTION	DATE

Site Information

Rainfall Intensity: 50 mm/h
Climate Zone: 3
Corrosion Zone: C

Wind Zone: A

NZBC E2 Compliance: Compliance with NZBC E2 is by means of NZBC E2 AS1. Refer Risk Matrix provided.



Wellington	+64 4 920 0032	wn@dgse.co.nz
Palmerston North	+64 6 357 4534	pn@dgse.co.nz
Tauranga	+64 7 925 6238	tr@dgse.co.nz
Napier	+64 6 835 6173	np@dgse.co.nz
Auckland	+64 9 976 8288	ak@dgse.co.nz



designgroup
stapleton elliott


SITE INFORMATION

168 Clyde Road, Burnside, Christchurch









Parcel ID: 3527602, 3493012, 3354891, 3486625, 3526642, 3461532, 3459165, 3395644.

Climate Zone: 3
Earthquake Zone: **Zone 2**
Exposure Zone: **Zone C**
Lee Zone: **No**
Rainfall Range: **40 -50**
Wind Region: **A**
Wind Zone: **Low**



 = Protected Tree
dashed line indicates tree drip line

Note* any work to occur under dripline of protected trees is to be observed by Contractor's arborist in accordance with Outline Plan requirements

- PROPOSED WORKS.**
-  DEMOLITION
 -  NEW BUILD
 -  UPGRADE EXISTING
 -  EXISTING BUILDINGS
 -  NEW PLAYGROUND (Note* foundation platform only. Play equipment by others)
 -  Property Boundary Lines
 -  New FENZ Site Access (4m wide)
 -  Contractor's temporary haul road (for stages 1, 2 & 3)
note* approx. 4.7m wide

OVERALL AREA TOTALS existing = net area after demo	
Existing Classroom Area	691m2
Existing Library Area	109m2
Existing Administration Area	155m2
Existing Resource Area	46m2
Existing Retained (GFA)	1296m2
Proposed Classroom Area	692m2
Proposed Resource Area	70m2
Proposed Hall Area	261m2
Proposed Admin Area	9m2
Total Net Area	2064m2
Total Gross Area (GFA)	2581m2

TOILET & G1 COMPLIANCE
Note* Total masterplan school roll - 450

The following facilities can be found on site:

Existing Toilets:
Standard Toilets - 55
Accessible Toilets - 3

Post Demolition: (toilets to remain)
Standard Toilets - 23
Accessible Toilets - 1

Required numbers according to NZBC G1 / AS1 : OPTION 1 - Unisex toilet facilities

Unisex - 12
Unisex Accessible - 2

The following facilities can be found on site:

Standard Toilets - 23 (existing) + 11 (new - all unisex)
34 total

Accessible Toilets - 1 (existing) + 3 (new)
4 total (including 1 accessible shower)
Note* All accessible toilets are unisex

Thus, the number of toilets on site complies with the G1 Toilet Calculator.

SITE INFORMATION
168 Clyde Road, Burnside, Christchurch

Parcel ID: 3527602, 3493012, 3354891, 3486625, 3526642, 3461532, 3459165, 3395644,

Climate Zone: 3
Earthquake Zone: **Zone 2**
Ezposure Zone: **Zone C**
Lee Zone: **No**
Rainfall Range: **40 - 50**
Wind Region: **A**
Wind Zone: **Low**

Proposed Site Plan

Ministry of Education
Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. **M742**
PLOT DATE. **21/10/2022 3:33:59 pm**

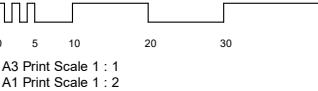
NO.	DESCRIPTION	DATE
N	ENABLING WORKS ISSUE	2022.10.10
L	DETAILED DESIGN - DRAFT - Client Issue	26.08.2022
K	Developed Design DRP RESPONSE	01.08.2022
J	Developed Design DRP Issue	27.06.2022

Site Information

Rainfall Intensity: 50 mm/h
Climate Zone: 3
Corrosion Zone: C

Wind Zone: A


NZBC E2 Compliance: Compliance with NZBC E2 is by means of NZBC E2 AS1. Refer Risk Matrix provided.











Wellington	+64 4 920 0032	wn@dgse.co.nz
Palmerston North	+64 6 357 4534	pn@dgse.co.nz
Tauranga	+64 7 925 6238	tr@dgse.co.nz
Napier	+64 6 835 6173	np@dgse.co.nz
Auckland	+64 9 976 8288	ak@dgse.co.nz

S I T E & S T A G I N G P L A N S



 = Protected Tree
dashed line indicates tree drip line

Note* any work to occur under dripline of protected trees is to be observed by Contractor's arborist in accordance with Outline Plan requirements

- PROPOSED WORKS.**
-  DEMOLITION
 -  NEW BUILD
 -  UPGRADE EXISTING
 -  EXISTING BUILDINGS
 -  NEW PLAYGROUND
(Note* foundation platform only. Play equipment by others)
 -  Property Boundary Lines
 -  New FENZ Site Access (4m wide)
 -  Contractor's temporary haul road (for stages 1, 2 & 3)
note* approx. 4.7m wide

A053

REV.N

Proposed Stage 1 - Enabling Works & Demolition

Ministry of Education
Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. **M742**
PLOT DATE. **21/10/2022 1:17:01 pm**

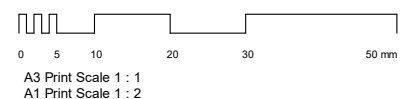
N	ENABLING WORKS ISSUE	2022.10.10
L	DETAILED DESIGN - DRAFT - Client Issue	26.08.2022
K	Developed Design DRP RESPONSE	01.08.2022
J	Developed Design DRP Issue	27.06.2022
G	Finalised Outline Plan	02.12.22
D	Outline Plan - R2	23.07.21
NO.	DESCRIPTION	DATE

Site Information

Rainfall Intensity: 50 mm/h
Climate Zone: 3
Corrosion Zone: C

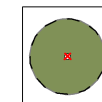
Wind Zone: A

NZBC E2 Compliance: Compliance with NZBC E2 is by means of NZBC E2 AS1. Refer Risk Matrix provided.











Wellington +64 4 920 0032 wn@dgse.co.nz
Palmerston North +64 6 357 4534 pn@dgse.co.nz
Tauranga +64 7 925 6238 tr@dgse.co.nz
Napier +64 6 835 6173 np@dgse.co.nz
Auckland +64 9 976 8288 ak@dgse.co.nz



 = Protected Tree
dashed line indicates tree drip line

Note* any work to occur under
dripline of protected trees is to be
observed by Contractor's arborist
in accordance with Outline Plan
requirements

PROPOSED WORKS.

-  DEMOLITION
-  NEW BUILD
-  UPGRADE EXISTING
-  EXISTING BUILDINGS
-  NEW PLAYGROUND
(Note* foundation platform only.
Play equipment by others)
-  Property Boundary Lines
-  New FENZ Site Access (4m wide)
-  Contractor's temporary haul road
(for stages 1, 2 & 3)
note* approx. 4.7m wide

A054 REV.N

Proposed Stage 2 - New Build & Site Works

Ministry of Education

Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. **M742**
PLOT DATE. **21/10/2022 1:17:35 pm**

N	ENABLING WORKS ISSUE	2022.10.10
L	DETAILED DESIGN - DRAFT - Client Issue	26.08.2022
K	Developed Design DRP RESPONSE	01.08.2022
J	Developed Design DRP Issue	27.06.2022
G	Finalised Outline Plan	02.12.22
NO.	DESCRIPTION	DATE

Site Information

Rainfall Intensity: 50 mm/h

Climate Zone: 3

Corrosion Zone: C

Wind Zone: A


NZBC E2 Compliance: Compliance
with NZBC E2 is by means of NZBC
E2 AS1. Refer Risk Matrix provided.










Wellington	+64 4 920 0032	wn@dgse.co.nz
Palmerston North	+64 6 357 4534	pn@dgse.co.nz
Tauranga	+64 7 925 6238	tr@dgse.co.nz
Napier	+64 6 835 6173	np@dgse.co.nz
Auckland	+64 9 976 8288	ak@dgse.co.nz

1 Proposed Site Plan- Stage 3
SCALE @ A3 - 1 : 1000| SCALE @ A1 - DOUBLE SCALE



 = Protected Tree
dashed line indicates tree drip line

Note any work to occur under
dripline of protected trees is to be
observed by Contractor's arborist
in accordance with Outline Plan
requirements*

- PROPOSED WORKS.**
-  DEMOLITION
 -  NEW BUILD
 -  UPGRADE EXISTING
 -  EXISTING BUILDINGS
 -  NEW PLAYGROUND
(Note foundation platform only.
Play equipment by others)*
 -  Property Boundary Lines
 -  New FENZ Site Access (4m wide)
 -  Contractor's temporary haul road
(for stages 1, 2 & 3)
note approx. 4.7m wide*

A055 REV.N

Proposed Stage 3 - New Build & Site Works

Ministry of Education
Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

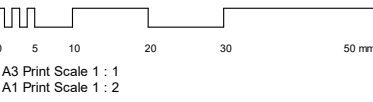
PROJECT No. **M742**
PLOT DATE. **21/10/2022 1:18:23 pm**

N	ENABLING WORKS ISSUE	2022.10.10
L	DETAILED DESIGN - DRAFT - Client Issue	26.08.2022
K	Developed Design DRP RESPONSE	01.08.2022
J	Developed Design DRP Issue	27.06.2022
G	Finalised Outline Plan	02.12.22
NO.	DESCRIPTION	DATE

Site Information

Rainfall Intensity: 50 mm/h
Climate Zone: 3
Corrosion Zone: C

Wind Zone: A
NZBC E2 Compliance: Compliance with NZBC E2 is by means of NZBC E2 AS1. Refer Risk Matrix provided.



TOILET & G1 COMPLIANCE

Note* Total masterplan school roll - 450

The following facilities can be found on site:

Existing Toilets:
Standard Toilets - 55
Accessible Toilets - 3

Post Demolition: (toilets to remain)
Standard Toilets - 23
Accessible Toilets - 1

Required numbers according to NZBC G1 / AS1 : OPTION 1 - Unisex toilet facilities

Unisex - 12
Unisex Accessible - 2

The following facilities can be found on site:

Standard Toilets - 23 (existing) + 11 (new - all unisex)
34 total

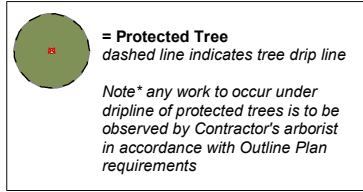
Accessible Toilets - 1 (existing) + 3 (new)
4 total (including 1 accessible shower)
Note* All accessible toilets are unisex

Thus, the number of toilets on site complies with the G1 Toilet Calculator.



designgroup
stapleton elliott

Wellington	+64 4 920 0032	wn@dgse.co.nz
Palmerston North	+64 6 357 4534	pn@dgse.co.nz
Tauranga	+64 7 925 6238	tr@dgse.co.nz
Napier	+64 6 835 6173	np@dgse.co.nz
Auckland	+64 9 976 8288	ak@dgse.co.nz



- PROPOSED WORKS.**
- DEMOLITION
 - NEW BUILD
 - UPGRADE EXISTING
 - EXISTING BUILDINGS
 - NEW PLAYGROUND (Note* foundation platform only. Play equipment by others)
 - Property Boundary Lines
 - New FENZ Site Access (4m wide)
 - Contractor's temporary haul road (for stages 1, 2 & 3) note* approx. 4.7m wide

TOILET & G1 COMPLIANCE
Note* Total masterplan school roll - 450

The following facilities can be found on site:

Existing Toilets:
Standard Toilets - 55
Accessible Toilets - 3

Post Demolition: (toilets to remain)
Standard Toilets - 23
Accessible Toilets - 1

Required numbers according to NZBC G1 / AS1 : OPTION 1 - Unisex toilet facilities

Unisex - 12
Unisex Accessible - 2

The following facilities can be found on site:

Standard Toilets - 23 (existing) + 11 (new - all unisex)
34 total

Accessible Toilets - 1 (existing) + 3 (new)
4 total (including 1 accessible shower)
Note* All accessible toilets are unisex

Thus, the number of toilets on site complies with the G1 Toilet Calculator.

A056 REV.N

Proposed Stage 4 - Demo & New Caretakers Shed
Ministry of Education
Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. **M742**
PLOT DATE. **21/10/2022 3:34:49 pm**

NO.	ENABLING WORKS ISSUE DESCRIPTION	2022.10.10 DATE
-----	----------------------------------	-----------------

Site Information

Rainfall Intensity: 50 mm/h
Climate Zone: 3
Corrosion Zone: C
Wind Zone: A
NZBC E2 Compliance: Compliance with NZBC E2 is by means of NZBC E2 AS1. Refer Risk Matrix provided.



Wellington	+64 4 920 0032	wn@dgse.co.nz
Palmerston North	+64 6 357 4534	pn@dgse.co.nz
Tauranga	+64 7 925 6238	tr@dgse.co.nz
Napier	+64 6 835 6173	np@dgse.co.nz
Auckland	+64 9 976 8288	ak@dgse.co.nz

MATERIAL & COLOUR DEVELOPMENT

NATIVE PLANTING & TAONGA SPECIES:

Taonga Species

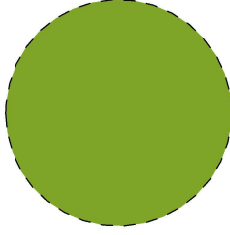
Taonga species are native birds, plants and animals of special cultural significance and importance to Maori.

The significant Taonga Species at FOAS have been identified in the Naming Document (dated 2021), prepared by Mātauraka Mahaanui in consultation with rūnanga.

The shapes, colours & patterns of the significant plant species identified have informed the colour palette.

The manifestation design will be based on the identified Taonga Species, and will be collaboratively developed with the School.

The original European influence will be retained and intertwined with the significant Maori presence.



Makomako

Commonly known as 'wine berry', MakoMako is a fast growing tree with light green leaves on the upper side, and a reddish colour to the underside.

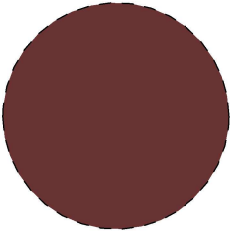
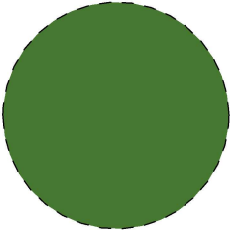
It also has many medicinal uses, and the bark can be used to create a blue-black dye. MakoMako berries can also be eaten.



Raupō

A reed that grows in swamplands, the lower stems sometimes submerged in water.

The flower heads are carried on long, brown straight, slender stems high above the leaves.



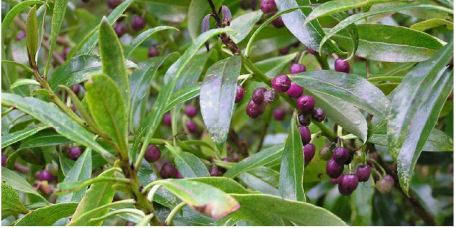
Harakeke

A versatile flax valued by both Māori and European settlers.

The Harakeke has many different uses including medicinal purposes, shelters, ropes, clothing, kete (baskets), traps, food and floor mats.

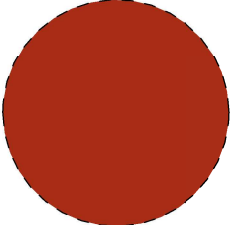
Ngaio

A fast growing bright green leafed tree, Ngaio can be used as a natural repellent or for medicinal uses. The berries are also edible.



Horopito

The horopito, commonly known as the pepper tree, has many medicinal uses, which have been passed down through many generations.



Kōwhai

A flowering native tree with various medicinal uses, made from the Wai kōwhai (kōwhai juice), bark and ashes.



Mānuka

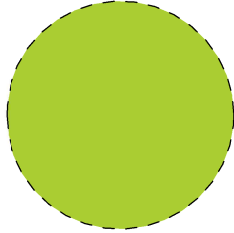
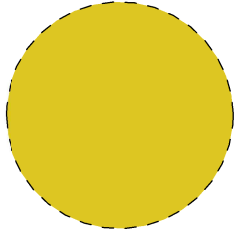
A reed that grows in swamplands, the lower stems sometimes submerged in water.

The flower heads are carried on long, brown straight, slender stems high above the leaves.



Poroporo

Part of the nightshade family, Poroporo has white, mauve to blue/violet flowers, which form into poisonous berries whilst green. Kōauau (flutes) were made from the hollowed stems, while jam can be made from the berries.



Patete

The leaves of a Patete bush have 7 leaflets off a long brown stalk. They have green and cream flowers in February to March. It's berries can be used to make ink, and leaves & sap are used to make various medicines.

000

REV.

TAONGA SPECIES & COLOUR DEVELOPMENT

Ministry of Education

Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. M742

PLOT DATE. 21/10/2022 10:06:46 am

NO.	DESCRIPTION	DATE
-----	-------------	------

Site Information

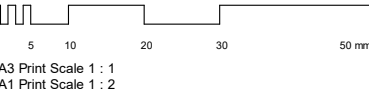
Rainfall Intensity: 50 mm/h

Climate Zone: 3

Corrosion Zone: C

Wind Zone: A

NZBC E2 Compliance: Compliance with NZBC E2 is by means of NZBC E2 AS1. Refer Risk Matrix provided.



Wellington	+64 4 920 0032	wn@dgse.co.nz
Palmerston North	+64 6 357 4534	pn@dgse.co.nz
Tauranga	+64 7 925 6238	tr@dgse.co.nz
Napier	+64 6 835 6173	np@dgse.co.nz
Auckland	+64 9 976 8288	ak@dgse.co.nz

SITE WIDE 3D
AXONOMETRIC

Ministry of Education
Fendalton Open-air School

DETAILED DESIGN

Contractors shall verify all dimensions on site before commencing work. Do not scale from the drawings. If in doubt ask. Copyright of this drawing is vested in Designgroup Stapleton Elliott.

PROJECT No. M742

PLOT DATE. 21/10/2022 8:19:26 am

L	DETAILED DESIGN - DRAFT - Client Issue	26.08.2022
K	Developed Design DRP RESPONSE	01.08.2022
J	Developed Design DRP Issue	27.06.2022
A	Prelim Design DRP Issue	22.04.21
NO.	DESCRIPTION	DATE

Site Information

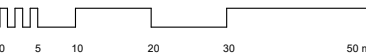
Rainfall Intensity: 50 mm/h

Climate Zone: 3

Corrosion Zone: C

Wind Zone: A

NZBC E2 Compliance: Compliance with NZBC E2 is by means of NZBC E2 AS1. Refer Risk Matrix provided.



A3 Print Scale 1 : 1
A1 Print Scale 1 : 2

Wellington	+64 4 920 0032	wn@dgse.co.nz
Palmerston North	+64 6 357 4534	pn@dgse.co.nz
Tauranga	+64 7 925 6238	tr@dgse.co.nz
Napier	+64 6 835 6173	np@dgse.co.nz
Auckland	+64 9 976 8288	ak@dgse.co.nz



designgroup
stapleton elliott

