



18 October 2019



Dear 

Thank you for your email of 17 September 2019 to the Ministry of Education requesting the following information:

*"...the proposed construction of a fence around Stonefields School in Stonefields, Auckland.*

*Specifically I request information on the:*

- Options of fences and/alternatives consider (if any options analysis was undertaken);*
- The Risk assessment undertaken by The Ministry of Education for the requirements of a fence for Stonefields School;*
- The design reasoning and any documentation regarding the stated design height requirements. Particularly any study's and or professional documentation guidelines by the Ministry that articulate requests for fencing and/or any assessments conducted on what heights of fence are appropriate.*
- Budget for the Fence design and construction;*
- Programme for the Fence design and construction;*
- The timeline for the consideration of the Fence by the Ministry of Education (ie if the School or a member of the public raised this as an issue, to consideration by the Ministry of Education through the current proposal)."*

On 15 October 2019 we wrote to you to extend the timeframe of our response to your request, pursuant to section 15(A)(1)(b) of the Act, for the reason that consultation was necessary to make a decision on your request. As such, a proper response to your request could not reasonably be made within the original time limit.

Your request has been considered under the Official Information Act 1982 (the Act).

A first notification of serious risk was made to the Ministry by Stonefields School on 10 September 2018, due to a student's repeated absconding behaviour, and the risk of harm this presented. A risk assessment followed that has resulted in a decision to fence the perimeter of Stonefields School.

## Risk assessment

Please find attached, as document 1, the Serious Risk Assessment of 3 October 2018.

As a landlord and to meet our obligations under the Health and Safety at Work Act, for schools to be assessed, an assessment identifies the risk, and a recommendation is made based on that risk. There could be four outcomes that would need to be considered. These are:

1. **Serious risk:** will recommend immediate fencing and the development of a safety and behaviour management plan.
2. **Medium risk:** will recommend that a safety and behaviour management plan be developed with Special Education staff to review the need for fencing in the first 12 months of the student going to school.
3. **Low risk:** will not recommend fencing but may recommend that a safety and behaviour management plan be developed.
4. **No risk:** will not recommend any action.

## Options of fencing

Any fencing solution should meet the Property Modifications Recommendations for the particular school, and the products selected for the solution must comply with the Ministry of Education's warranty standards. Further, a fence must be installed in such a way as to comply with these requirements. Please find attached, as document 2, the Recommendations for Property Modification Provision report of 25 October 2018.

The school was given options in relation to style, gates, and colour. The options are outlined in the Special Needs Modification Fencing and Gates report of 14 June 2019. This report is attached as document 4, and is released in its entirety.

## Design reasoning

The design and fencing solution should meet the Property Modifications Recommendations, as outlined above, and are dictated by the particular needs of a student, or students.

The design height requirements when planning a fence design can be found on the Ministry of Education website: <http://education.govt.nz/school/property-and-transport/projects-and-design/design/design-standards/fencing/#Fencing-special-education>.

The fence height recommended by the Occupational Therapist was a minimum height of 1800mm. However, following wide community consultation it was agreed the height would be reduced to 1600mm. The Occupational Therapist has noted that this is lower than recommended. The school has accepted the potential risk with the reduced height, and is prepared to manage this.

## Budget for fence design and construction

The cost of design and construction of the fence at Stonefields School is estimated to be approximately \$200,000. The fence is funded through special education property modification funding.

## Programme for the fence design and construction

Construction of the fence at the school commenced on 30 September 2019, and is expected to take approximately eight weeks.



### Timeline for the consideration of the fence by the Ministry

10 September 2018	First notification of serious risk.
3 October 2018	Serious Risk Assessment.
25 October 2018	A referral to the Ministry for a Property Modification assessment for a student was formally received.
25 October 2018	Property Modification Recommendations made following assessment.
28 November 2018	An initial meeting with the school and Board of Trustees Chair occurred.
13 February 2019	Site visit with the contractors.
14 June 2019	The design solutions and options are outlined in the Special Needs Modifications Fencing and Gates Report.
24 June 2019	The plans were endorsed by the school and Board of Trustees.

Please find attached as **Appendix A**, a table outlining my decision on the release of the documents within scope of your request.

As per the attached table, some of the information has been withheld under section 9(2)(a) of the Act, to protect the privacy of natural persons.

As required under section 9(1) of the Act, I have had regard to whether public interest considerations favour release of the information withheld. I do not consider the public interest considerations favouring the release of this information are sufficient to outweigh the need to withhold it at this time.

Thank you again for your email. The Ministry is focused on ensuring that all students can succeed, regardless of their background, and provides learning support, resources and a safe physical environment to help achieve this. Every child in New Zealand needs the chance to live, learn and thrive.

Stonefields School has a growing roll and proudly promotes its vision of inclusiveness. Not all primary aged children have 'road sense'. The construction of the fence will enhance the safety of all students attending Stonefields School.

The Ministry now proactively publishes OIA responses on our website. As such, we may publish this response after five working days. Your name and contact details will be removed.

You have the right to ask an Ombudsman to review this decision. You can do this by writing to [info@ombudsman.parliament.nz](mailto:info@ombudsman.parliament.nz) or Office of the Ombudsman, PO Box 10152, Wellington 6143.

Yours sincerely



Kim Shannon  
Head of Education Infrastructure Service

## Appendix One

---

Doc #	Date	Document Name	Recommendation on release
1	3 Oct 2018	Serious Risk Assessment	<b>Release in part</b>  Withhold information under section 9(2)(a) of the Act  Part out of scope
2	25 Oct 2018	Recommendations for Property Modification Provision	<b>Release in part</b>  Withhold information under section 9(2)(a) of the Act  Part out of scope
3	2 Nov 2018	Letter from the Ministry of Education to the Principal of Stonefields School	<b>Release in part</b>  Withhold information under section 9(2)(a) of the Act
4	24 Jun 2019	Stonefields School- Special Needs Modifications Fencing and Gates Report	<b>Release in full</b>





MINISTRY OF EDUCATION

Te Tāhuhu o te Mātauranga

## SERIOUS RISK ASSESSMENT: Recording Form

NB: Users of this form must be familiar with the Serious Risk Assessment and Management Guidelines. This form has been designed for completion electronically; enter text in gray areas.

Child's Name: s 9(2)(a) DoB: s 9(2)(a) Ethnicity: s 9(2)(a) Iwi: N/A

School / Centre: Stonefields School

School Contact Person: Natasha Audi

Contact #: (09) 5277721

Date & time of first notification of serious risk: 10/09/2018 Check current job status: Active

Report Writer: Louise Turner, SEA Behaviour Crisis Response Service, MoE

Date of Report: 03/10/2018

Upon request of Cheryl Graham, Service Manager for East 3 Team, the report writer was requested to complete a risk assessment of the school s 9(2)(a) is attending. There are safety concerns based on s 9(2)(a) repeated absconding behaviour and how these relate to the school layout.

### 1. Description of serious risk behaviour or event. [Select one or more from the list. Add further description if necessary]

s 9(2)(a) absconds daily on multiple occasions from the classroom. s 9(2)(a) has left the school grounds and run on to the road. s 9(2)(a) is reported to have little or no 'road sense'. s 9(2)(a) recently ran out of school and followed a ball onto the road.

The learning hub, where s 9(2)(a) class is located, has 3 exit doors which lead onto the deck area. There is easy access to the road from the deck (photos attached).

These concerns have been ongoing since s 9(2)(a) began school. From the time s 9(2)(a) enrolled, s 9(2)(a) Outside of Scope

Outside of Scope

Outside of Scope and absconding from the classroom/school s 9(2)(a)

Outside of Scope

Outside of Scope

Outside of Scope

At times s 9(2)(a) attends before and after school care. s 9(2)(a) has run away from this as well. The most recent incident occurred on 24/09/2018. A meeting was scheduled for Tuesday 25/09/2018 for senior

- a) Serious violence to others
- b) Self-harm
- c) Problematic sexualised behaviour
- d) Serious property damage
- e) Care and protection issues
- f) Running away
- g) Dangerous behaviour
- h) Severe withdrawal
- i) Other

management to meet with s parents and discuss s behaviour and support strategies for s and school.

Outsi  
de of  
Scope

s 9(2)  
(a)

## 2. Communication and Collaboration

Who is involved?

Natasha Audi  
Cheryl Graham  
Psychologist  
Louise Turner  
Katherine Jackson  
Chris Bradbeer  
Sally  
Joelene

s 9(2)  
(a) parents

What is their role?

SENCo  
Service Manager, MoE Learning Support  
TBA  
Special Education Advisor, Behaviour Crisis Response Service  
Senior Management Stonefields School  
Senior Management Stonefields School  
Class teacher  
Teacher Aide

## 3. Assessment

Assessment methods/tools include:

10/09/2018 referral to BCRS – Louise Turner liaised to set up meeting

18/09/2018 meeting between Natasha (SENCo), Sally (Class Teacher), Louise (BCRS) discussed safety concerns as s behaviour escalates and s absconds – interim risk management and safety plan developed

s 9(2)  
(a)

s 9(2)  
(a)

24/09/2018 meeting between Natasha, Katherine, Chris, and Louise to discuss ongoing risk as s continues to abscond; walked about perimeter and grounds with SENCO to identify areas of safety concern.

s 9(2)  
(a)

Note the most relevant risk factors and their susceptibility to influence:

**Predictive:** s is Outside of and has a history of absconding behaviour both at Outside of and school. s 9(2)  
Outside of Scope The school reports that s absconding behaviour occurs multiple times each day. As there are no gates or fences around the school, s can easily access Vialou Lane, Stonemason Ave., and Guyon and Tihi Streets. This presents a serious safety risk.

Outsi  
de of  
Scope

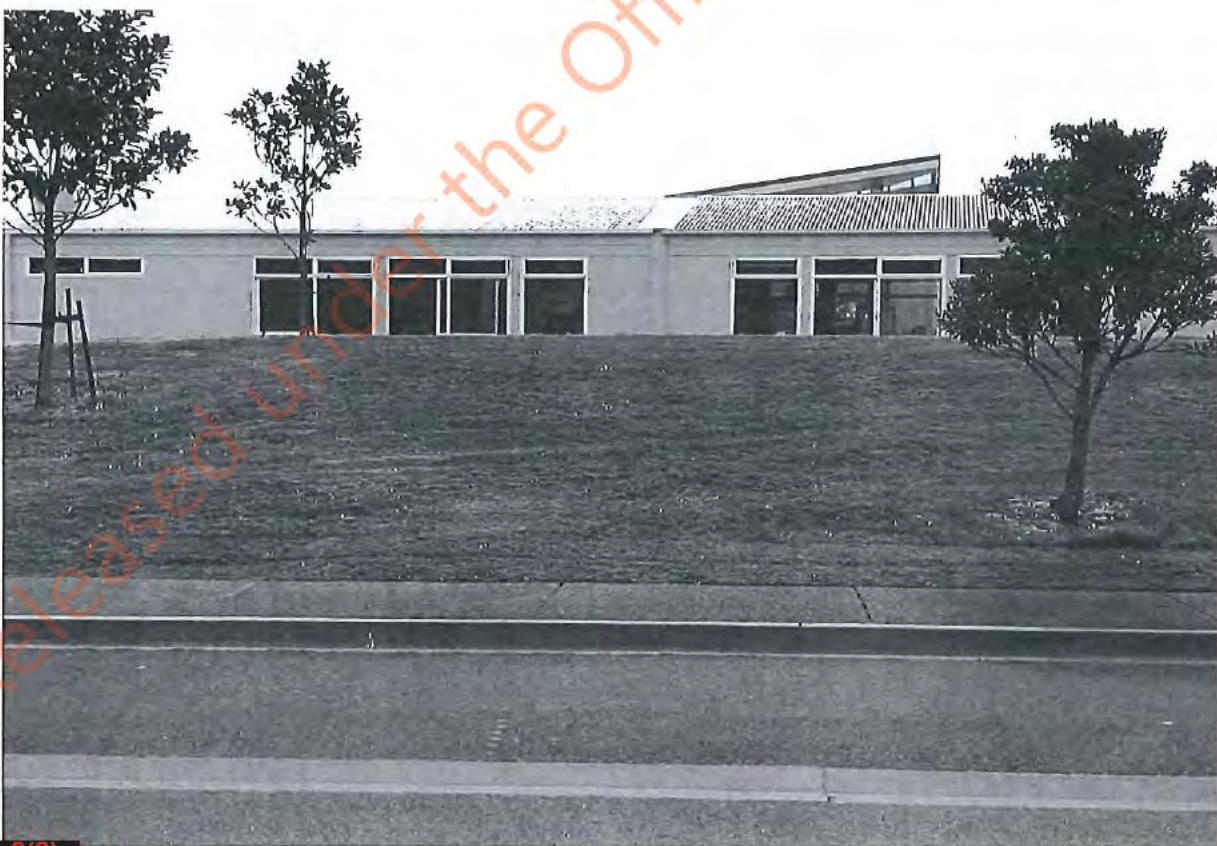
s 9(2)  
(a)





s 9(2)  
(a) Learning Hub – access on to the field and at the back of the hub onto the road as well as the driveway for the satellite class.





s 9(2) class/learning hub from the road  
(a)





Road access from the field beside s 9(2) class (a)

#### Protective:

**At school:** 'Safe spaces' have been set up for s 9(2) within s 9(2) classroom. There is a Teacher Aide in the classroom providing extra monitoring and support. An interim management plan has been developed collaboratively between senior management, class teacher, and Behaviour Crisis Response Service. Senior management are notified as soon as s 9(2) absconds and the school procedures for crisis management are followed. (a)

A 'handover' plan is being developed between the school and Kelly Club (the before and after school care provider) to mitigate risks during the transition between the two facilities.

#### 4. Analysis

##### Likelihood statement:

Based on past and current incidents, the likelihood of the behaviour occurring again is **very high**.

##### Consequence / Impact statement:

The absconding behaviour is potentially unsafe and therefore there is a **very high risk** associated with this. To date there have been no serious negative consequences to the running away behaviour, the potential for this remains very high due to the frequency with which it occurs, the open access to the four roads surrounding the school, the two car parks, and the driveway for the drop off and collection of satellite class students. s 9(2) is vulnerable to being hit by a car in any of these identified **high risk areas** (photos attached) (a)



Public carpark on the perimeter of the school field – not fenced





Satellite class access – not fenced – view 1





Satellite class access – view 2





School carpark – view 1 – no fence or gate



Views around school showing easy access to roads – all are easily accessible from <sup>s 9(2)</sup>  
(a) Learning Hub



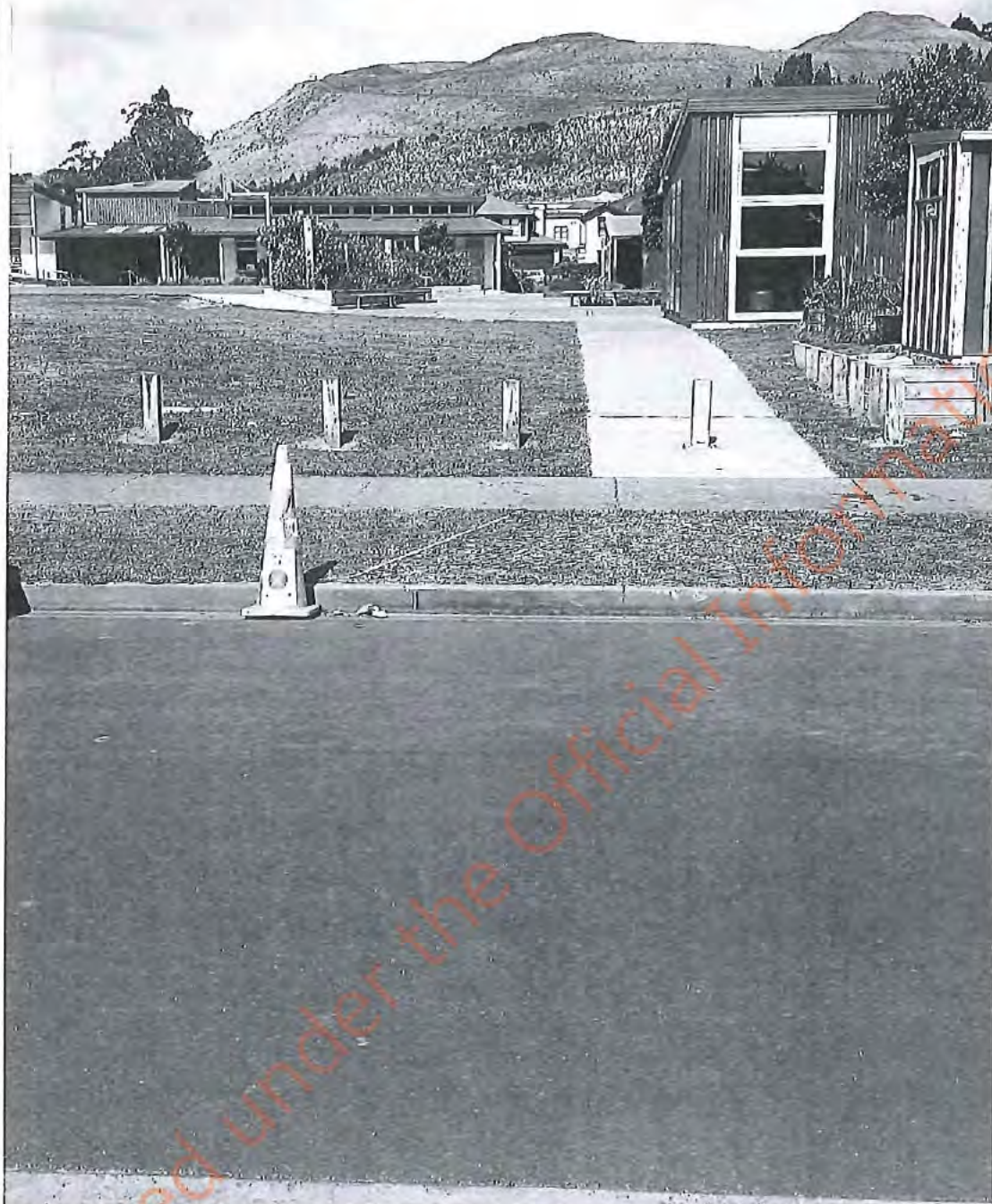
Released under the Official Information Act 1982





Relea





Road access from playground – this is where <sup>S</sup> ran out onto the road

9(2)  
(a)





School sandpit on field – no fence

**Professional judgement statement:**

The risk associated with s 9(2)(a) absconding is **very high**. The likelihood that this behaviour will occur again is **very high**, as it is currently an issue not only at school but also at home. The open access that is apparent in areas of the school heightens the risk associated with s 9(2)(a) absconding behaviour. There is the potential for significantly negative consequences for s 9(2)(a) family, and the school if the behaviour continues.

**5. Supervision**

Date

Purpose

**6. Checklist**

✓ Informed Service Manager

Initial discussion with experienced colleague/supervisor

Assessment undertaken

Analyse with colleague

Management/Safety Plan (Attach)

☐ Contact notes showing timeframes (included in main document)

☐ Sign off

**SM:**

**Practitioner: Louise Turner**

**Date: 03/10/2018**





MINISTRY OF EDUCATION  
TE TĀHURU O TE MĀTAURANGA

25<sup>th</sup> October 2018



Sarah Martin  
Principal  
Stonefields School  
81 Tīhi St  
Stonefields  
Auckland 1072

### Recommendations for Property Modification Provision

Student name: s 9(2)(a) Date of assessment: 25<sup>th</sup> October 2018

Date of birth: Outside of Scope

School requiring modifications:  
Stonefields School

#### Participants in consultation process:

Natasha Audi,  
Louise Turner, SEA, Behaviour Crisis Response  
Service, MOE  
Jill Russell, Occupational Therapist, Ministry of  
Education, MOE.

Assessor: Jill Russell, Occupational Therapist, MOE

#### Reason for property assessment (✓ where appropriate)

<input checked="" type="checkbox"/> New Entrant	<input type="checkbox"/> Transition to Intermediate / College
<input type="checkbox"/> Moved district	<input type="checkbox"/> Change in needs
<input type="checkbox"/> Access to off-site facilities, eg swimming pool, technology facilities	<input type="checkbox"/> Other: (please explain)

#### NB

Parent/caregiver consent has been given for this work. The personal information regarding the student documented on this cover page is necessary as part of the application of funding. The recommendations and information on subsequent pages refers only to 'the student' in order that these pages can be distributed to project managers and contractors without disclosing any personal information.

#### Background Information

This student is eligible for first-time funding at Stonefields School. In order to participate in regular school activities the above named student will require modifications to the school environment.

A serious risk was completed for this student by Louise Turner, SEA, Behaviour Crisis Response Service, MOE, (Report dated 3-10-18). This student is reported to have removed themselves multiple times from adult supervision and is therefore at risk of serious harm.

The school perimeter is not fenced and there are many open areas, including play areas, that lead directly onto the car parks and open roads that surround the school. The student often attends before and after school care which is held within the school buildings. A new classroom block is proposed along the Guyton St side of the school. It is not known when this building work will commence. Provision of temporary fencing at any building site should be considered.

This report has been prepared through Ministry of Education Special Education policy to support First Time Enrolment provision to students with special needs. It is recommended close reference be given to New Zealand Standard **Design for Access and Mobility – Buildings and Associated Facilities (NZS 4121:2001)** when making changes to the Stonefields School environment as this Standard provides guidance for those who are responsible for making buildings and facilities accessible to and fully usable by people who have disabilities.

#### Recommendations for fencing and gates:


No foot holes or horizontal bars that can facilitate climbing  
 Fence work reaches right down to the ground leaving no gaps  
 Minimum height 1800mm  
 Gates with safety latch (lockable)  
 Gates with auto-closing mechanism  
 Signage on gates to keep gates closed.

This report is based on this student's current needs.

### Property Modification Recommendations for Stonefields School

25-10-18

#### Issue Identification

Issues	Photo	Now	Future Work
<p><b>Issue 1</b>  <b>Front entrance to the school and office</b>            The front entrance/exit way is via a sliding door            This opens out to the car park and road beyond.</p> <p><b>Recommendations</b>            Consider improving the security of this entrance/ exit from the school.            Suggestions include:            Providing a gate and fencing at this point.            Gate to have an adult height latch and self -closing mechanism.            Replacing the sliding door with a door that has a self -closing mechanism.</p>		Yes	



<p>A management plan will be needed at this entrance/exit to ensure that the door is not left open at this point.</p>			
<p><b>Issue 2</b>  <b>Car park on Tihi St entrance.</b>            There are car parking areas either side of the front entrance to the school. These are accessible from the school and open to the road.</p> <p><b>Recommendations</b>            Close off the car park from the school.            Options include:            Improving security at front entrance (see issue 1) and fencing at the sides of the school so that the front of the school is open.            Provide fencing at either side of the school to enclose the school grounds and leave the car park open to the road so that cars can come in and out.            Note: the main paths will be open to the road.</p>	<div data-bbox="408 555 1206 1151"> </div> <div data-bbox="408 1151 1206 1747"> </div>	<p>Yes</p>	



**Note:** Consider any doors that lie outside of this fencing solution.

If they are open to the student an alternative fencing solution will need to be considered.





**Issue 3****Boundary with  
Guyton St**

This boundary is open to Guyton St. The sand pit borders the street.

There are flax bushes immediately on the border of the school and the road that limit visibility of students in this area.

There is a pedestrian pathway that enters the school from this road.

**Recommendations**



Provide fencing at this boundary according to the guidelines at the beginning of this report.

Provide pedestrian gate at the pathway with self-closing mechanisms and signage to keep gate closed.

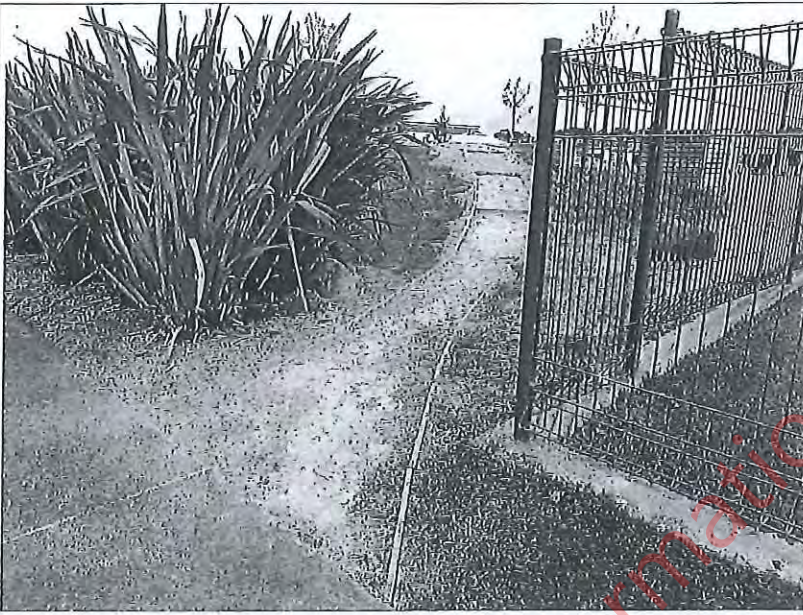

Provide vehicle gate for access to the field at suitable point along this boundary, or along the boundary on Stonemason Ave.





Yes

<p><b>Issue 4</b></p> <p><b>Boundary with Stonemason Ave</b></p> <p>This boundary at the back of the field is open to the road.</p> <p><b>Recommendations</b></p> <p>Provide fencing at this boundary according to the guidelines in this report.</p>		<p>Yes</p>	
<p><b>Issue 5.</b></p> <p><b>Community Dentist</b></p> <p>There is a Community Dentist and car park on the corner of Stonemason Ave and Vialou Lane.</p> <p>The car park is open to the field and school.</p> <p><b>Recommendations</b></p> <p>Provide fencing according to the guidelines in this report to enclose the car park and Dentist from the school.</p>		<p>Yes</p>	



<p><b>Issue 6</b></p> <p><b>Path to the field</b></p> <p>This path is used by the students to enter /exit the school from the back field.</p> <p>It is open to the road from the field.</p> <p><b>Recommendations</b></p> <p>Provide pedestrian gate at this point according to the guidelines in this report.</p>		<p>Yes</p>
<p><b>Issue 7</b></p> <p><b>Boundary with Vialou Lane</b></p> <p>This boundary of the school includes the field and classroom blocks.</p> <p>There is no fence and the classrooms lead out directly onto the road.</p> <p><b>Recommendations</b></p> <p>Provide fencing along this boundary as per the guidelines in this report.</p>		<p>Yes</p>



<p><b>Issue 8</b></p> <p><b>Paths to the classroom blocks along Vialou Lane.</b></p> <p>There are several exit and entry paths from these classrooms. They lead directly onto the pavement and road.</p> <p><b>Recommendations</b></p> <p>Provide a pedestrian gate in the fencing line, (according to the guidelines in this report), at one of these pathways.</p>		<p>Yes</p>
<p><b>Issue 9</b></p> <p><b>Car park outside satellite classroom.</b></p> <p>There is a car park open to the road and an accompanying pathway to the school.</p> <p><b>Recommendations</b></p> <p>Enclose this car park off from the school.</p> <p>Provide pedestrian gate at suitable point along this pathway.</p>		<p>Yes</p>



This shows the driveway into the car park outside the satellite classroom.

Consider fencing along this drive way, allowing the car park to be open to the road to allow access.

There may be additional pedestrian gates needed.



**Note:** If there are any doors or exits that can be used by the student and will not be enclosed in this fencing, an alternative fencing solution will need to be considered.



The solution(s) listed above represent possible or proposed solution(s). **Please note that these are recommendations only and they will be considered as part of the approval process.** If it is necessary to include changes or other options at a later stage of the process these will also need Ministry approval. All property modifications must be completed according to Ministry design standard guidelines.

I have forwarded a copy of this report to Bryan Hagan, Senior Project Delivery Manager, Ministry of Education, who will be in contact with you regarding this work.

Please contact me should you require any further information or assistance.

Yours sincerely

Jill Russell

Occupational Therapist

*J Russell*

Peer reviewed by:

*S. Harrap*  
Peer Reviewer's Name

2/11/18  
Date

*L. O'Sullivan*  
SE Service Manager's Name

2.11.18  
Date

*pp. L. O'Sullivan*  
SE District Manager's Name

2.11.18  
Date

cc:

Bryan Hagan, Senior Project Delivery Manager, Ministry of Education  
Learning Support files





2<sup>nd</sup> November 2018

Special Education  
Auckland City

Level 3 Eden 5 Building  
Cnr Edwin St and Normanby Rd  
Mt Eden  
Private Bag 92644  
Symonds St  
Auckland 1150

Phone: 0-9-632 9400  
Fax: 0-9-4632 9401  
www.minedu.govt.nz

Sarah Martin  
Principal  
Stonefields School  
81 Tihi St  
Stonefields  
Auckland 1072

Dear Sarah,

**Re: Special Needs Property Modification Report**

Please find enclosed the Property Modifications Report that has been prepared for student s 9(2)(a) following a serious risk assessment completed by Louise Turner, Special Education Advisor, Behaviour Crisis response Service, MOE.

In accordance with the Ministry of Education Property Modifications Guidelines it is a requirement for this report to be available to the Schools Board of Trustees; this is to ensure that they are in agreement with the recommendations made in this report for modifications to Stonefields School.

Please feel free to contact me should you wish to discuss, or if any matters arise, further to the BOT accessing these reports.

Please could you consider removing any identifying details from this report concerning the above student, before presenting to the Board of Trustees.

A copy of this report will be forwarded to the MOE Property Case Managers.

Kind regards

Jill Russell  
Occupational Therapist  
Ministry of Education, Special Education  
Copy: Bryan Hagan, Senior Project Delivery Manager, Ministry of Education



Client Approval



# Stonefields School - Te Kura o Ngā Pāraepōhatu Special Needs Modifications Fencing and Gates Report







## Contact Details

**Name:** Sarah Cameron

**wsp | OPUS**

Auckland Office  
Level 3, The Westhaven, 100 Beaumont St  
PO Box 5848, Auckland 1141  
New Zealand

**t:** +64 93 53 7340

**m:** +64 27 603 7792

### Document Details:

**Date:** 14.06.2019

**Reference:** 4-27494.21

**Status:** Client Approval

### Prepared by:

Claudia Weber | Architect

Laura McKeown | Architectural Intern

### Reviewed by:

Sarah Cameron | Senior Architect

### DISCLAIMER

The information contained in this report is conceptual and for discussion purposes only.



# Contents

4. Safety in Design .....	4
5. Conceptual Zoning Plan .....	5
6. Fencing Plan .....	6
7. Report Issues.....	7-11
8. Planning, Legal and Technical Issues	12
9. Steel Fencing and Gate Options ....	13
10. Pedestrian Gate Latch .....	14
11. Details for Client Selection.....	15

## Endorsed by School Principal:

Name Sarah Martin  
Signature [Signature]  
Date 24-6-19

## Endorsed by School Board Representative:

Name MATT EVANS  
Signature [Signature]  
Date 24/06/2019

## Endorsed by MOE Occupational Therapist:

Name \_\_\_\_\_  
Signature \_\_\_\_\_  
Date \_\_\_\_\_

## Approved by Ministry of Education:

Name \_\_\_\_\_  
Signature \_\_\_\_\_  
Date \_\_\_\_\_



## Safety in Design

This report is based on "Recommendations for Property Modification Provision" - Occupational therapy report dated 25 October 2018

The design incorporates key considerations from the report as follows

Recommendations for fencing and gates:

- No footholds or horizontal bars that can facilitate climbing
- Fence work reaches right down to ground leaving no gaps
- Minimum height 1800mm
- Gates with safety latch (lockable)
- Gates with auto-closing mechanism
- Signage on gates to keep gates closed.

The report also notes :

- A new classroom block is proposed on the Guyton St side of the school. Provision of temporary fencing for any building site should be considered.

It is recommended close reference be given to New Zealand standard **'Design for Access and Mobility - Buildings and Associated Facilities (NZS4121:2001)'** when making changes to the Stonefields School environment as this standard provides guidance to those who are responsible for making buildings and facilities accessible to and fully usable by people who have disabilities.



**SITE LOCATION:** 81 Tihi Street, Stonefields Auckland

## Safety in Design and Location

MINISTRY OF EDUCATION  
TE TĀHURU O TE MĀTAURANGA

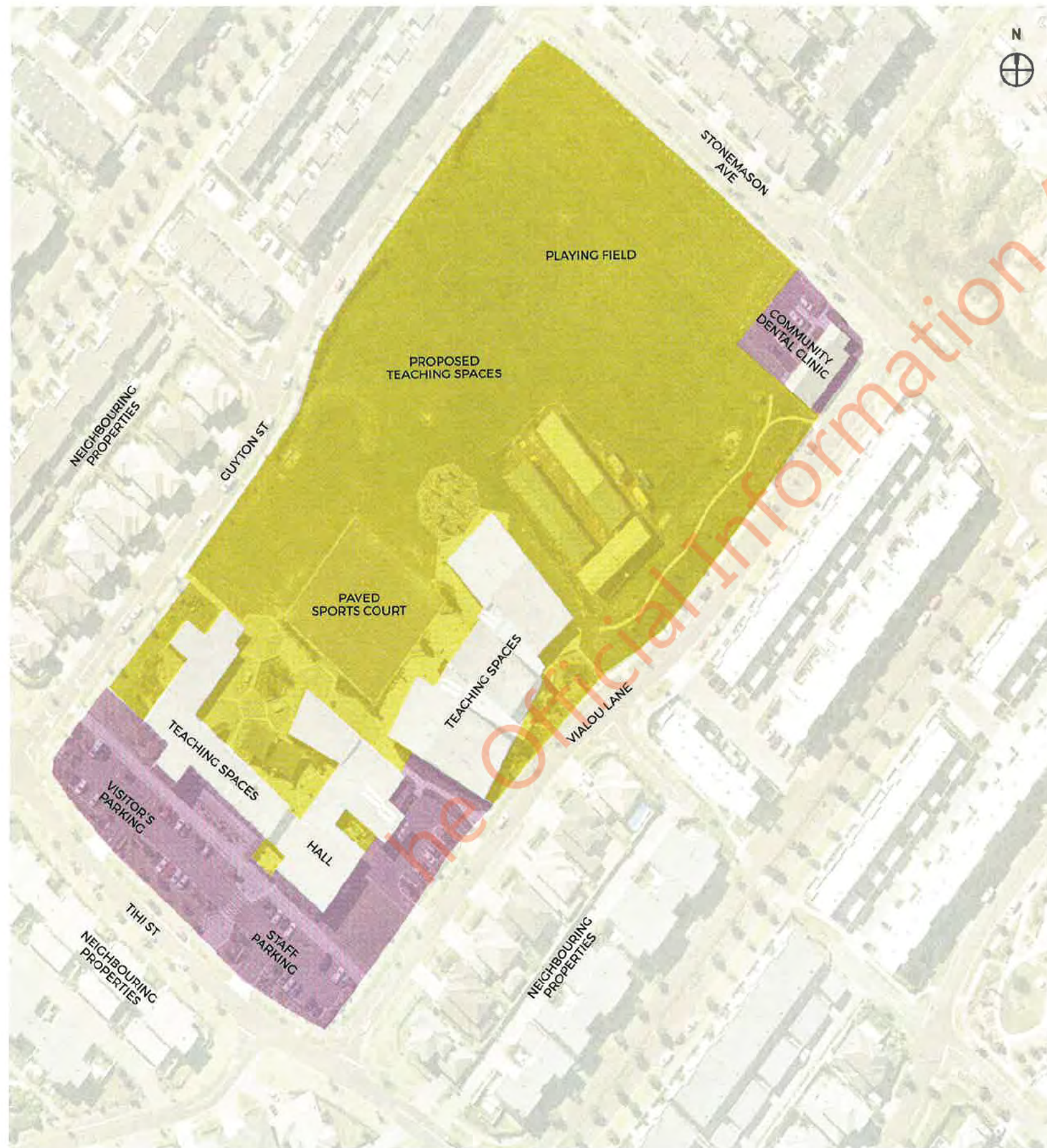
SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21

Client Approval  


WSP | OPUS

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 4





Proposed secure fenced zone

LEGEND

- SECURE FENCED ZONE
- UNSECURED ZONE

## Conceptual Zoning Plan

**MINISTRY OF EDUCATION**  
TE TĀHUHU O TE MĀTAURANGA

SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21

Client Approval

**OPUS**

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 5



**NEW STEEL SCHOOL GATES  
1800MM HIGH  
TO MATCH NEW FENCING**

**A**  
Pedestrian hinged and sliding gate.  
Hinged gate 1000mm wide - self  
closing with pool type latch.  
Sliding gate -width to be confirmed  
Refer to sketch on pg 7

**B**  
Pedestrian and Vehicle Gate  
Vehicle and pedestrian gate  
'combined'  
Total width 4250mm  
Pedestrian gate 100mm wide  
To operate separately -Self closing  
with pool type latch

**C, D, E, F, H, I, J**  
Pedestrian Gate  
1000 mm width  
Self closing with pool type latch

**G**  
Vehicle Gate (1 off)  
Total width 4250mm

**K**  
Double Pedestrian Gate  
Refer sketch page 7  
Each leaf 1000 mm wide

Refer to sketch on pg 10

**SCHOOL GATES**

**N** Pedestrian gate  
1800mm high - 1000 mm  
wide  
All gates to have  
180degree opening  
functionand free from  
contact with ground

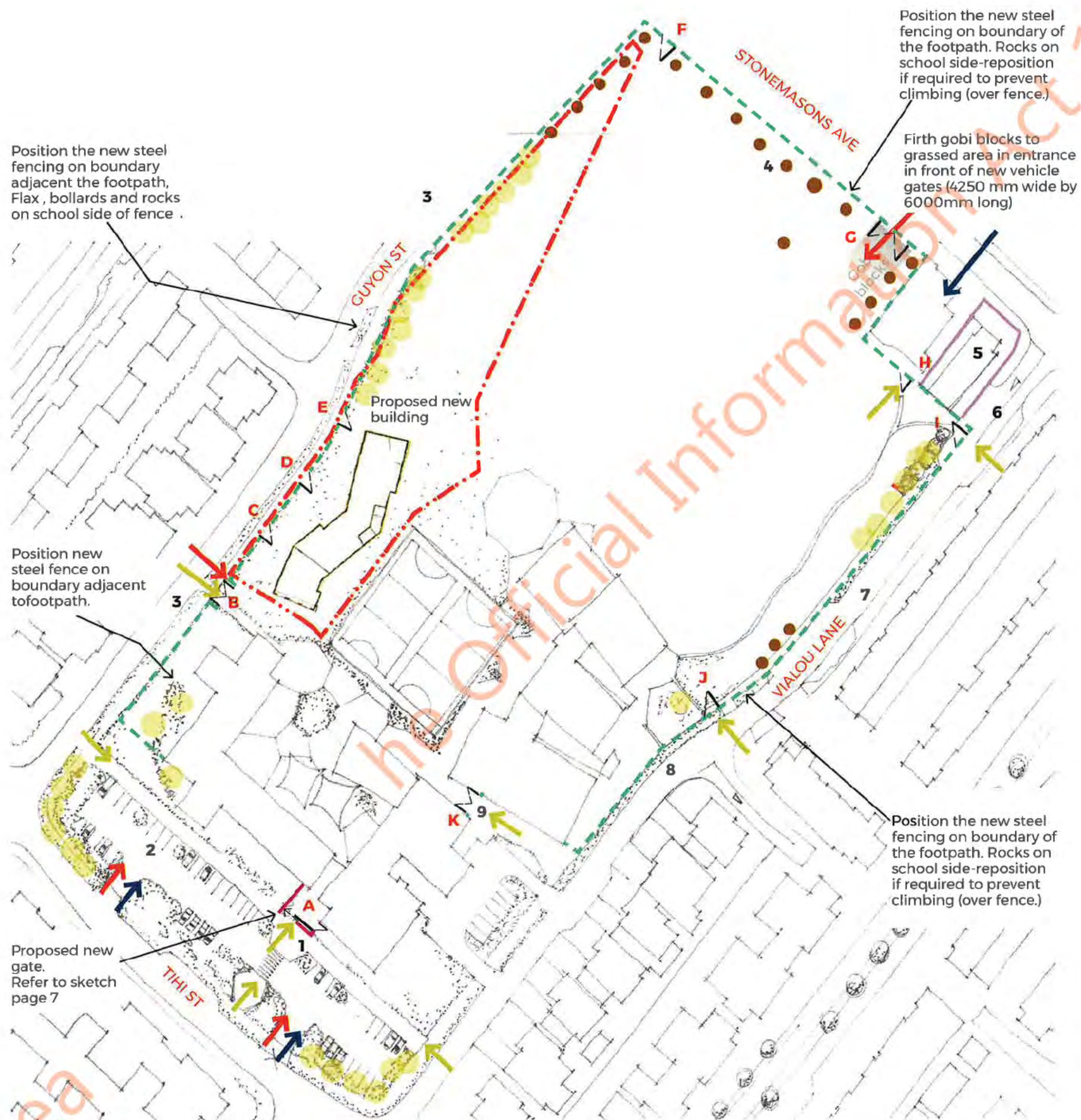
**M** Vehicle gate  
1800mm high - 4520mm  
wide

**O** Sliding pedestrian gate

**Fencing Plan**

**MINISTRY OF EDUCATION  
TE TĀHUHU O TE MĀTAURANGA**

SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21



**LEGEND**

- EXISTING STEEL PANEL FENCING RETAINED
- EXISTING PERFORATED STEEL SHUTTERS
- NEW 1800MM HIGH STEEL FENCING
- EXISTING HARAKEKE
- EXISTING FEATURE ROCK
- 1** ISSUE NUMBER
- A** ACCESS GATE NUMBER
- PEDESTRIAN ACCESS GATE
- EMERGENCY, MAINTENANCE, AND CONSTRUCTION ACCESS
- VEHICLE ACCESS TO CAR PARK
- - - FENCING AND GATES BY OTHERS (NEW BUILD CONTRACTOR)

Client Approval

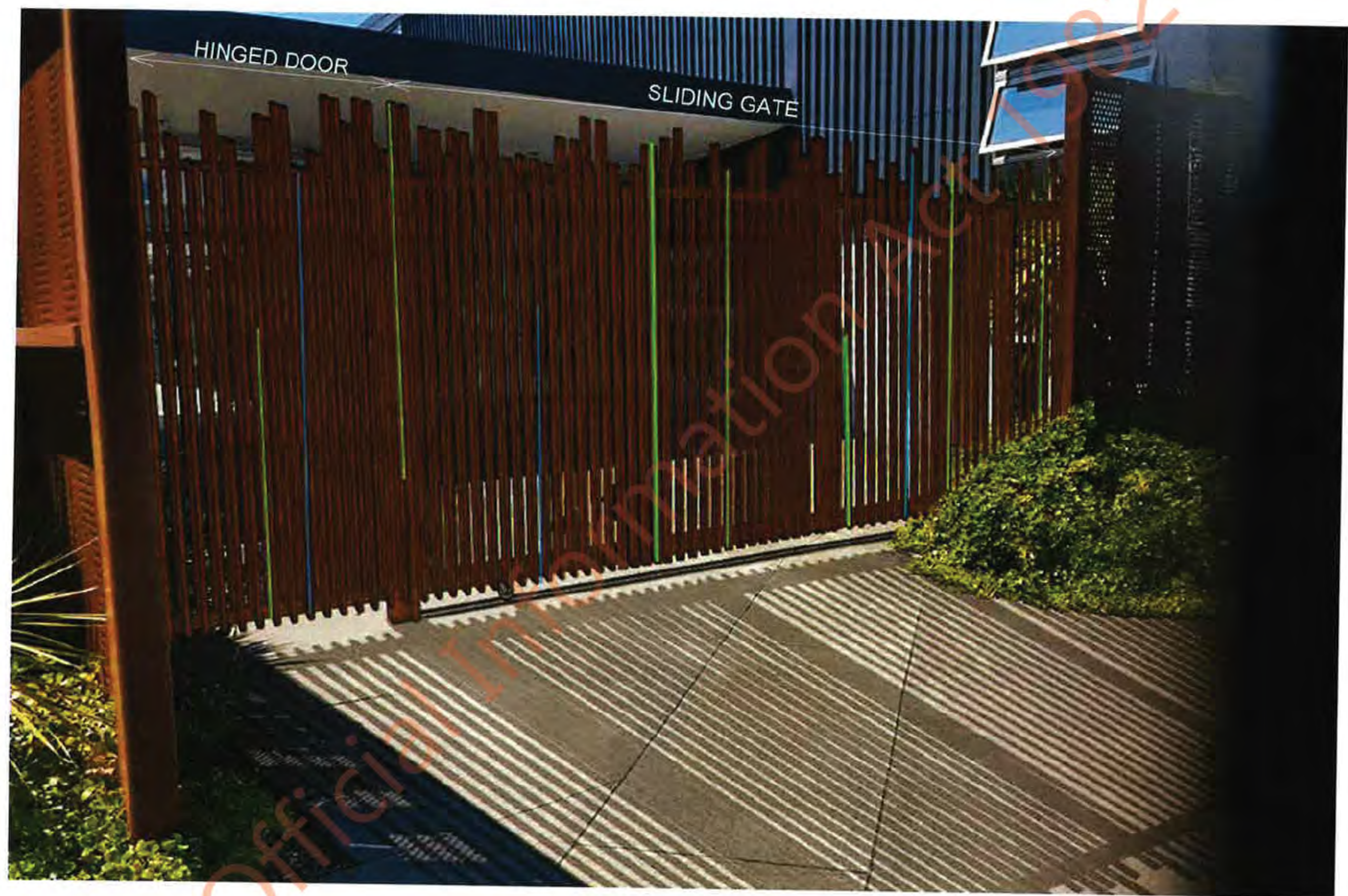
**WSP | OPUS**

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 6





**Issue 2 - Carpark on Tihi Street entrance** . The carpark is not considered a safe area for students so is not enclosed within the secure fenced area. The buildings along Tihi street form a barrier and 'wing' gates will be installed to control access between the buildings. .



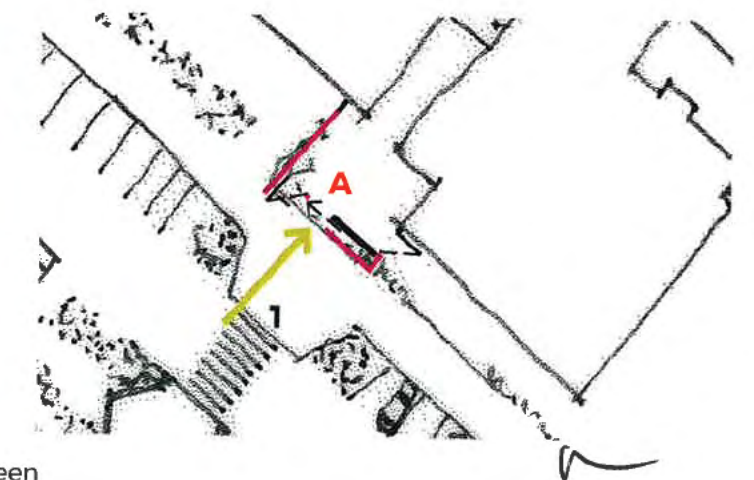
**Issue 1 - Front entrance of school and office** A new sliding gate at the front entry, with self closing pedestrian gate pedestrian to left hand side. The sliding gate may be opened before and after school when controlled access is not required. During school time when it is closed, access for adults will be via the self closing pedestrian gate. For details of gate options refer to page 8.



**Issue 1 - Fence to prevent access to pathway** between steel panels and wall. (Do not fix fencing directly to building)



**Issue 1 - Fit section of fencing in gap** between steel panels and wall. (Do not fix fencing directly to building)



## Report Issues (Refer to Plan pg 6 )

MINISTRY OF EDUCATION  
TE TĀHUHU O TE MĀTAURANGA

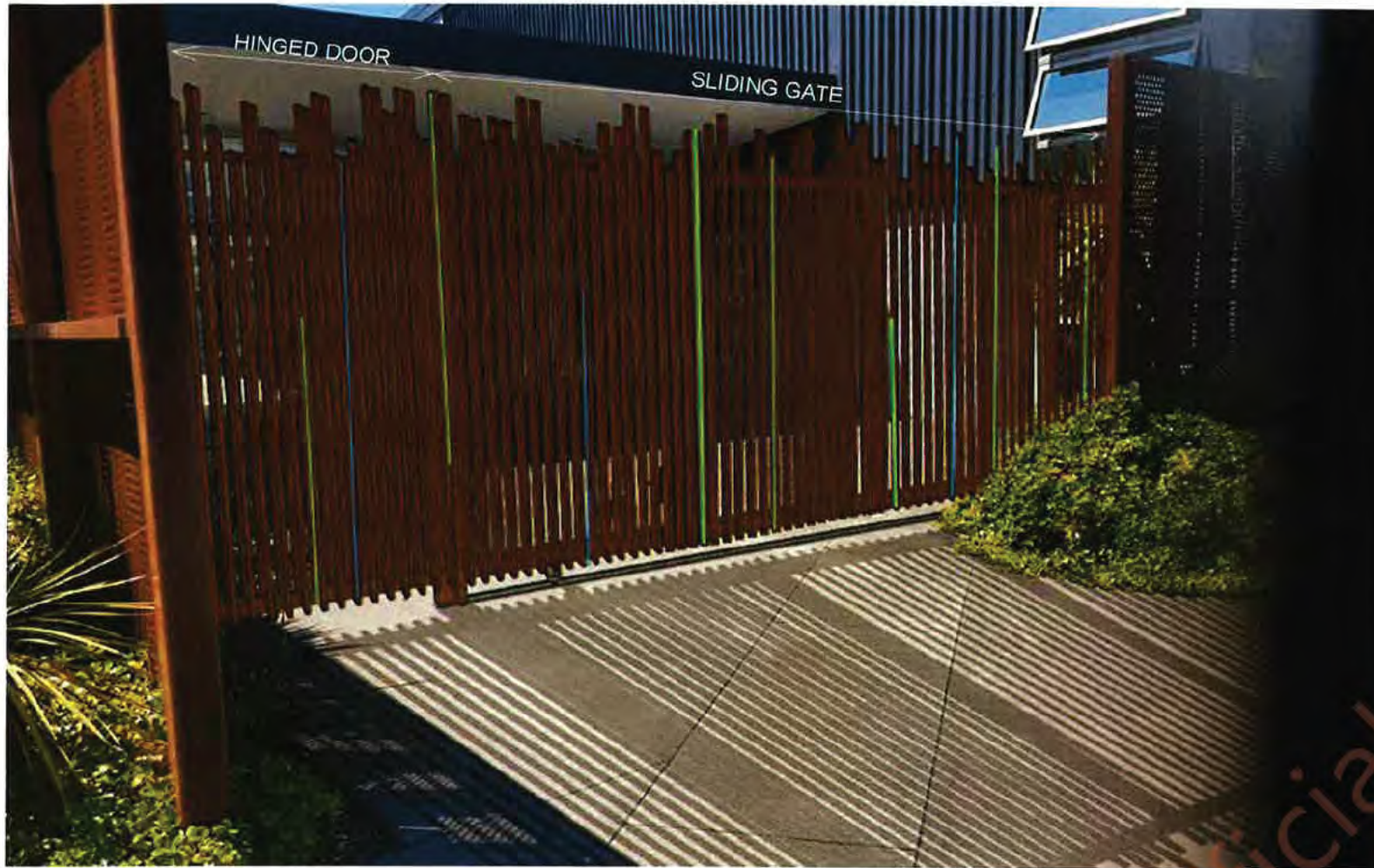
SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21

Client Approval

WSP | OPUS

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 7





Option A- Galvanized Steel structure with Powdercoated Aluminium vertical fins \* School contribution may be required, dependent on cost review.



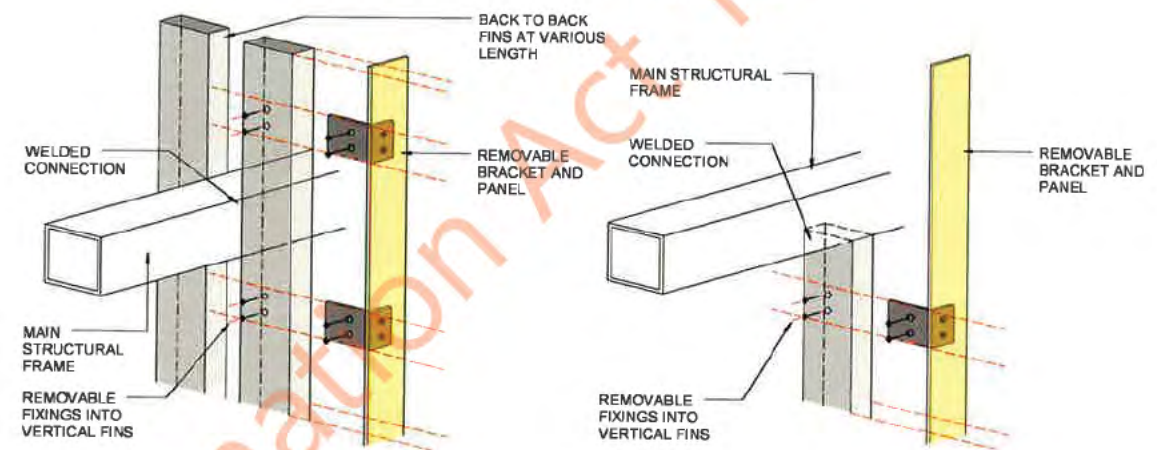
Option B- Vertical Timber Fins \* School contribution may be required, dependent on cost



Option C- Proprietary Fence \* Fully funded by MoE

## Construction

- simple construction methodology
- prefabricated elements
- welded or bolted bracket connection



Option A & B- Design Schematic

Option C- Design Schematic

## Materiality

### Galvanized and Painted Main Steel Frame Powdercoated aluminium Vertical Fins

- match existing colour scheme
- create a durable, low maintenance gate option
- simple construction methodology

### Timber cladding

- natural material
- Western red cedar, high structural stability
- maintenance requirements
- stained or painted



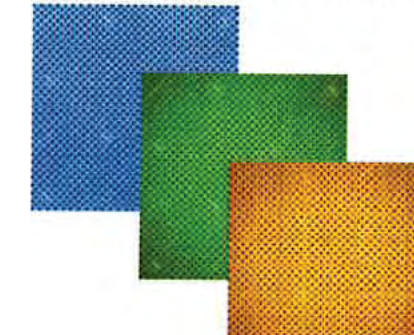
## Colours



*Galvanised steel - no powder coating.*

- Colourful accents to pick up school-wide colours
- strategic placement of 'highlight colours' to certain elements only

### Powdercoated Perforated Mesh or Coloured Acrylic feature facing panels

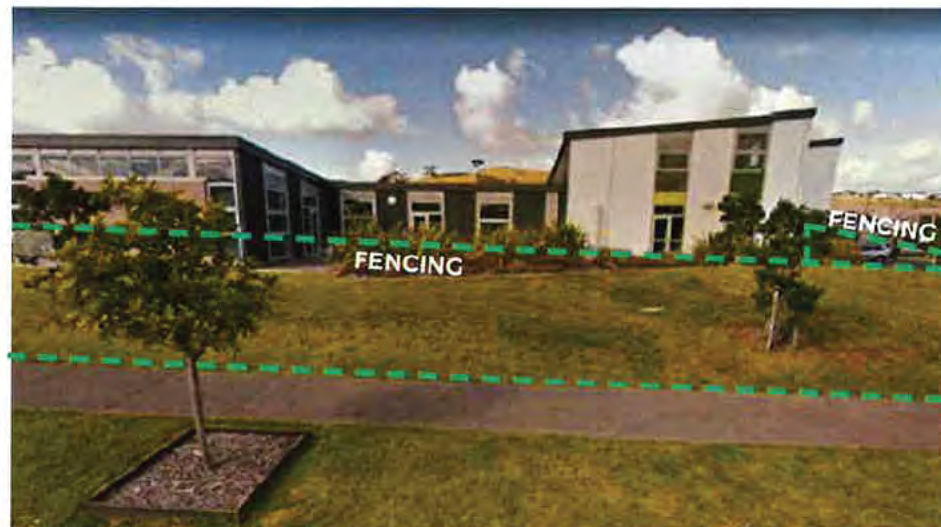


*Continue pool type fencing instead while admin 'extension' options are being explored.*





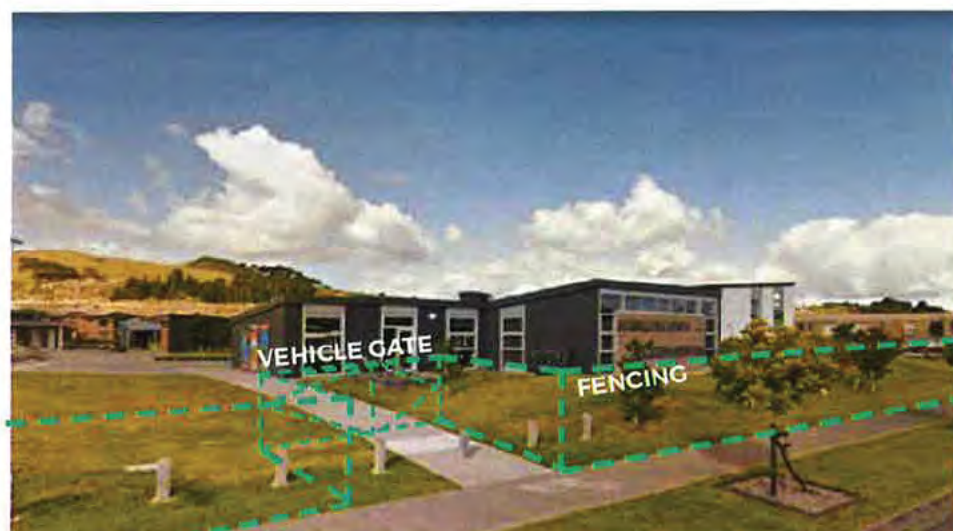
**Issue 2. and 3 - Doors** Exterior access from doors adjacent rock wall on Tihi St and doors adjacent landscaped area on Guyton Street  
Out of scope



**Issue 3 -Boundary with Guyton Street** Enclose the courtyard and sandpit area with fencing so the courtyard is within the secure play area. Refer to page 6 for location.



**Issue 3- Boundary with Guyton Street.-** The fencing should be located on the edge of the landscape area so the landscaping is within the secure play area.



**Issue 3 -Boundary with Guyton Street** Enclosing the school gardens so they are within the secure area . Position the fence on top of the retaining wall. A pedestrian and uneven vehicle gate to be located on the path (outward opening to accommodate sloping path )



**Issue 3 -Boundary with Guyton Street** A pedestrian and uneven vehicle gate to be located on the path (outward opening to accommodate sloping path )



**Issue 3 -Boundary with Guyton Street** Fencing should be located between the public footpath and the harakeke bushes so the harakeke is within the secure area.



**Issue 3 -Boundary with Guyton Street** Fencing to be located along the school boundary adjacent adjacent the public footpath.



**Issue 3 and 4 -Boundary with Guyton Street and Stonemason Ave** Fencing to be located on the school boundary between the public footpath and the feature rocks. Relocate rocks min 1m from the fence as required to ensure they do not aid climbing (over fence) . School to action make good of lawn, if required.



**Issue 4 -Boundary with Stonemason Ave** (As previous notes .





**Issue 5- Community Dentist** - New fencing to connect to fencing around Community Dental leaving the carpark open to public access. Provide a pedestrian gate to allow access from school to dentist



**Issue 5 Community Dentist** : Extend existing pedestrian path to new fence and gate



**Issue 6 Path to field** - Provide a pedestrian gate to the existing path.



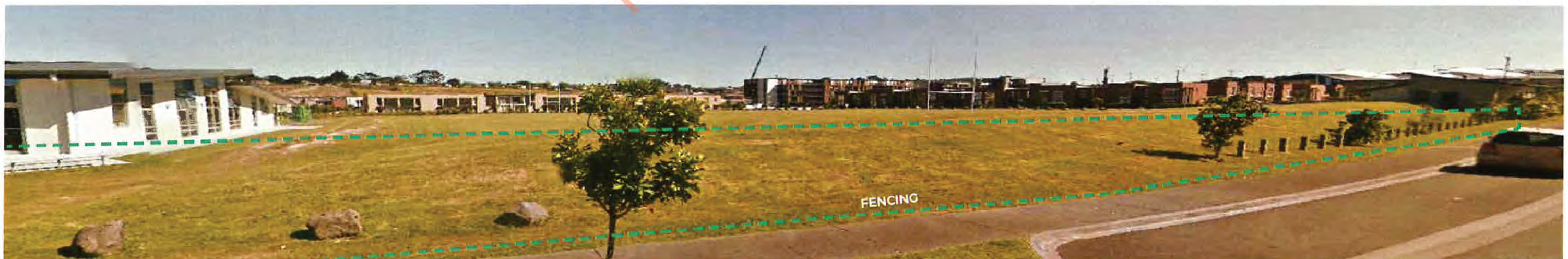
**Issue 8- Paths to the classrooms blocks along Vialou Lane** Fencing to be provided along the school boundary to create secure courtyards for student activities outside the classrooms.. (No pedestrian gates )



**Issue 8- Paths to the classrooms blocks along Vialou Lane** - As previous note



**Issue 9 - Carpark outside satellite classroom** The carpark is not considered a safe area for students so is not enclosed within the fenced area. Fire doors egress doors from the school hall is considered 'out of scope'.



**Issue 7- Boundary with Vialou Lane** Fencing should be located at the apex of the slope to ensure students are visible from within the secure. Fencing to connect with courtyard fencing as noted in Issue 8.. Where required relocate feature rocks to prevent climbing (over fence)





Issue 9 - Carpark outside satellite classroom (existing)



Issue 9 - Carpark outside satellite classroom (existing)



Issue 9 - Carpark outside satellite classroom (existing)



Issue 9 - Carpark outside satellite classroom

New fencing with double swing gates including a self closing pedestrian gate pedestrian to left hand side

Both gates may be opened before and after school when controlled access is not required. During school time when the gates are closed, access for adults will be via the self closing pedestrian gate





#### LEGEND

- LOCATION OF SCHOOL BOUNDARY TO BE CONFIRMED. AN EASEMENT STRIP RUNS ALONG GUYTON ST. CONFIRMATION OF EASEMENT CONDITIONS REQUIRED.

## Fencing Plan - Planning, Legal and Technical Issues

**MINISTRY OF EDUCATION**  
TE TĀHUU O TE MĀTAURANGA

SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21

Client Approval

*[Signature]* **WSP | OPUS**

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 12



## FENCING REQUIREMENTS (Occupational Therapy Report and MOE standards)

- No footholes or horizontal bars that can facilitate climbing
- Fence work reaches right down to ground leaving no gaps (100mm maximum)
- Minimum height 1800mm
- Gates and safety latch (lockable)
- Gates with auto-closing mechanism
- Signage on gates to keep gates closed
- Sharp tops or spikes that protrude above the top rail are not permitted
- Do not fix gates or fences to building fabric

### Steel Fencing Specification

- To AS/NZS1163
- Hot dipped galvanised steel 1.8m high, powdercoat finish, selected colour
- Hot dip galvanised minimum galvanised coating 360gm<sup>2</sup> after manufacture (or to AS/NZ 4680)
- Electro-galvanising or pre-galvanising prior to manufacture is not permitted
- Vertical profiles to 15mm diameter and a maximum of 100 mm apart

### 75 x 75mm steel posts

- Minimum 600mm deep x 150mm wide concrete foundation
- Contractor to confirm ground conditions and allow to provide deeper footings where required to ensure stability of fencing
- Concrete to NZS 3604 for cast-in post foundations, minimum compressive strength of 10 MPa at 28 days. Use 17.5MPa for non-cast-in posts
- Please confirm design for approval if raking is required on sloping sites
- Allow for removal of vegetation as required to construct fencing

### Pedestrian Gate- Style to match selected fencing

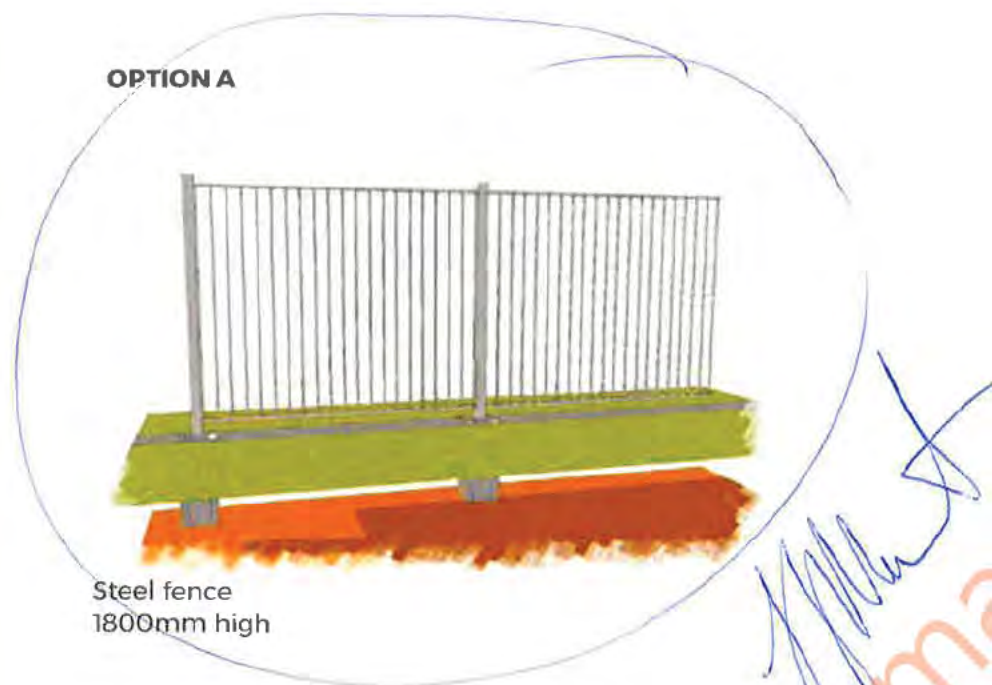
- Gate swing direction to open into the secure play area, is to have self closing hinges and automatic magnetic latch at a minimum of 1.6m above the ground
- 900mm minimum between hinges
- Place latches up to 200mm from the top of the gate to a maximum of 1600mm off the ground, able to be locked with a padlock and accessible from both sides of the gate
- 240 x 300 sign securely fixed to the gate on both sides "Please keep gate closed" (or similar as selected) Refer image following page.

### Vehicle Gate- Style and height to match selected fencing

- Gate swing direction to open into the secure play area,
- Hinges -900mm minimum between hinges
- Place latches up to 200mm from the top of the gate to a maximum of 1600mm off the ground, able to be locked with a padlock and accessible from both sides of the gate,
- 240 x 300 sign securely fixed to the gate on both sides "Please keep gate closed" (or similar as selected - refer image following page)

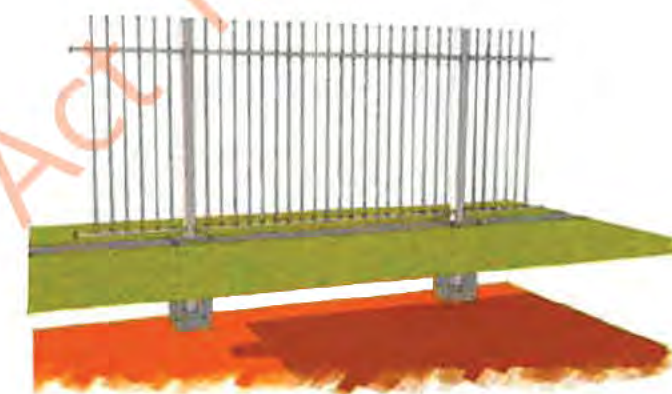
Note: Requirement for maximum 100 mm space between ground and bottom of gate.

OPTION A



Steel fence  
1800mm high

OPTION B



Steel fence  
1800mm high



Pedestrian Gate - Self closing with latch and signage (A, B, C, E, F, G)  
1800mm high



Pedestrian Gate - Self closing with latch and signage  
1800mm high



Vehicle Gate  
Latch and signage 1800mm high



Vehicle Gate  
Latch and signage 1800mm high

## Steel Fencing and Gate Options

MINISTRY OF EDUCATION  
TE TĀHUHU O TE MĀTAURANGA

SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21

*We understand that a mowing strip (concrete) will be installed around 30 cm under the fence.*

Client Approval

WSP | OPUS

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 13



#### FENCING REQUIREMENTS

- No foot holes or horizontal bars that can facilitate climbing
- Fence work reaches right down to ground leaving no gaps
- (100mm maximum)
- Minimum height 1800mm
- Gates and safety latch (lockable)
- Gates with auto-closing mechanism
- Signage on gates to keep gates closed
- Sharp tops or spikes that protrude above the top rail are not permitted
- Do not fix gates or fences to building fabric



#### PEDESTRIAN GATE MAGNA LATCH (Steel and Timber Gates)

Magna latch to be mounted at 1600 mm high accessible from both sides of the gate with self closing hinges.

#### Pedestrian gate latch

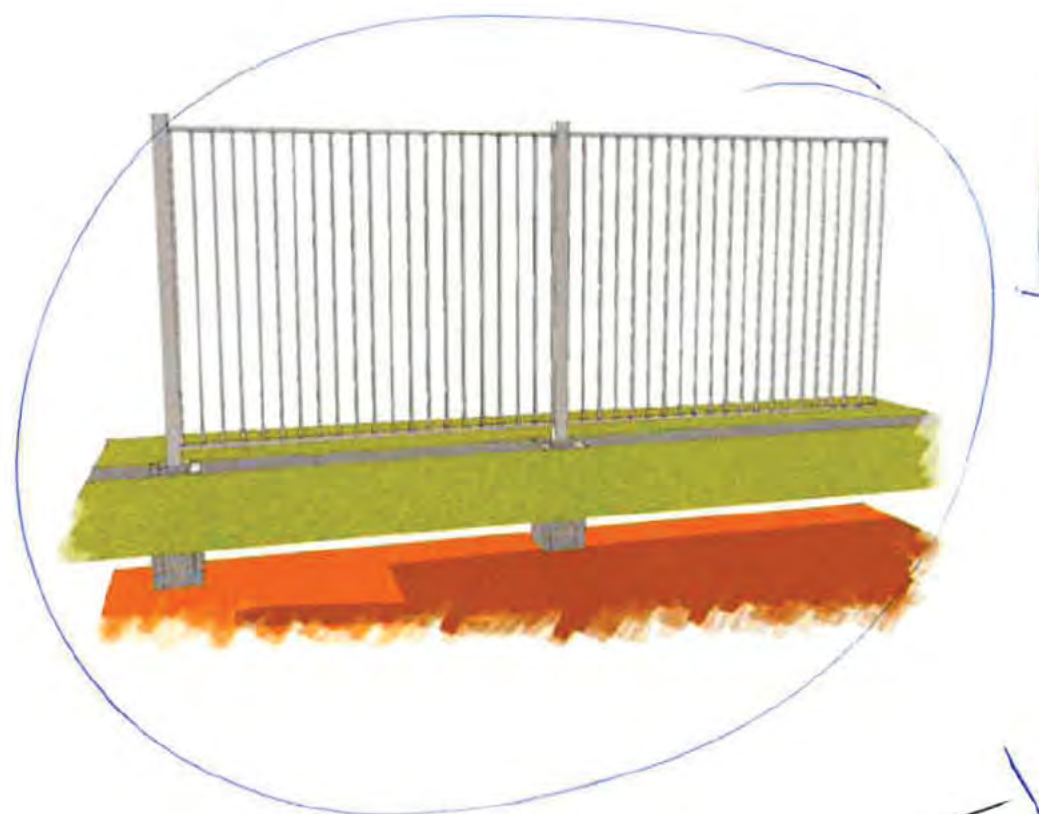
MINISTRY OF EDUCATION  
TE TĀHUHU O TE MĀTAURANGA

SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21

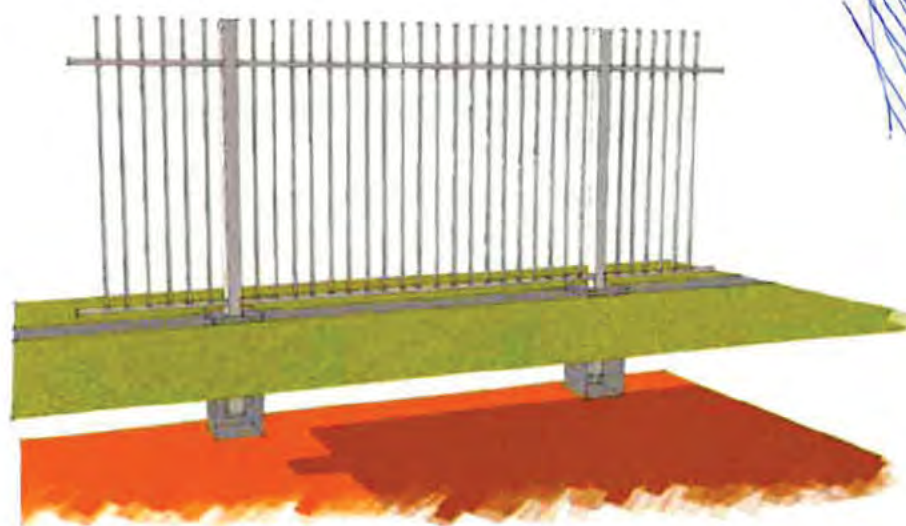
Client Approval  
  WSP | OPUS

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 14





OPTION A



OPTION B

STEEL FENCE - 1800MM HIGH



1



2



3



4



ALU OR SIMILAR

#### SIGNAGE DETAILS

- School to approve prior to manufacture and installation
- **Colours:** Black and white, unless specified otherwise.
- **Size:** 210mmx 290mm, portrait
- **Material and Fixing:** ACM panels or similar, complete with 4x cable ties (colour to match sign), 2 top & 2 bottom; Securely fixed to gate (front and back) at 1200mm high, but easily removable by a staff member or caretaker to change or adjust if needed.
- Graphic print quality suitable for external use/external weather.
- Signage to have no sharp edges.
- Rust resistant measures must be taken prior to fixing of signs to fencing.

#### 'CLOSE THE GATE' SIGNAGE



UNPAINTED GALVANISED



DESERT SAND



SCORIA



STORM BLUE



PERMANENT GREEN



BLACK

#### COLOUR SELECTION

OPTIONS FOR POWDERCOATED STEEL FENCES

Fencing details selection:  
(School to circle preferred options and sign)

Name Sarah Martin

Position Principal

Date 26/6/19

Signature [Signature]

## Details for Client Selection

MINISTRY OF EDUCATION  
TE TĀHURU O TE MĀTAURANGA

SCHOOL FENCING AND GATES REPORT | CLIENT APPROVAL  
DATE 14.06.2019 | PROJECT NO 4-27494.21

Client Approval

WSP | OPUS

81 TIHI STREET, STONEFIELDS, AUCKLAND  
NOT TO SCALE | 15