



Memorandum

17 July 2018

To Mark Lucas

Copy to

From Gerard Morton

Tel (02) 4979 9988

Subject Construction Traffic Management Plan

Job no. 21/26108

1 Introduction

As part of the Waitara Public School expansion project a new four storey building in the north west corner of the site is proposed for construction. The location of the new building is shown in Figure 1. This memorandum relates to the route, frequency and timing of construction vehicles during the construction process. This Construction Traffic Management Plan has been prepared as part of the SSD submission ahead of awarding the Design & Construct contract to the preferred contractor and therefore contains high level information only. A final Construction Traffic Management Plan would be prepared by the chosen contractor and be submitted to Council for approval ahead of construction work commencing and it is anticipated that this plan would contain greater detail.

2 Construction sequence

The construction of the new four storey building will include the following construction works;

1. Site establishment
2. Earthworks for new building
3. Construction of new four storey building
4. Fit out and completion works
5. Demolition of remaining buildings (shown in green on drawing 18159-A-WD-00-02P4) and associated landscaping works

It is anticipated that the works will be undertaken over a 12 month construction period.

3 Construction details

The following details will apply to the construction of the four storey building, including;

- Construction hours of operation will be 7am to 6pm Monday to Friday and 7am to 2pm on Saturday. No work will occur on Sunday or Public holidays.
- Site establishment and access will be via Myra Street – hoarding will be erected along the extent of the site, and 2-way gates installed. Refer to the attached markup of drawing 21-26108-WA-SD-AR-0200.
- Traffic control would be provided for all deliveries

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- No parking will be provided for sub-contractors – site rules will encourage the use of public transport wherever possible
- Deliveries will be queued within the site limits and planned in advance to enable these to be staggered as far as possible. No queuing of construction vehicles would take place along Myra Street or David Edgeworth Avenue. Deliveries would be planned around busy school periods and occur outside of these i.e. between 9.30am and 2.30pm.
- All vehicles would enter and leave site forward facing, no reversing out
- Drop offs and pick ups for children would be maintained throughout construction, with the hoarding set back to provide a safe waiting space for children to wait away from the busy road
- A detailed Construction Traffic Management Plan would be provided by the preferred contractor prior to any construction work commencing and would be submitted to Council for approval.

4 Construction route

The school site will be accessed via Myra Street. The location of the site access is shown on the attached mark-up of drawing 21-26108-WA-SD-AR-0200. The anticipated route which is to be taken by construction vehicles will be along the Pacific Highway, and then along Edgeworth David Avenue both of which are State roads maintained by Roads and Maritime Services (RMS). Construction vehicles will then turn onto Myra Street where they will access the site. This route is shown on Figure 2. An indicative construction traffic management plan for the site access is shown in Figure 3.

5 Construction vehicle volumes

Construction vehicle volumes will vary for each stage of the construction sequence nominated in Section 1 above. Detailed below is an estimate of the volume of truck movements for each project phase.

5.1 Site establishment

The traffic generated during the site establishment will be delivery of temporary building for site facilities for the works. An estimate of the heavy vehicle movements generated is listed below, this will occur over a 2 week period;

- 15 truck movements (temporary buildings)
- 3 mobile cranes movements
- 12 truck movements (construction materials, including concrete)
- 10 trucks movements (equipment delivery)

5.2 Demolition

The traffic generated during the demolition of the existing buildings will be delivery of plant and equipment for the works and the removal of demolition waste. The demolition is anticipated to occur over 8 weeks. The anticipated daily generation of heavy vehicles is listed below;

- 6 trucks movements (plants and equipment delivery)

- 16 trucks movements (waste removal)

5.3 Earthworks

The traffic generated during the earthworks will be delivery of plant and equipment for the works and the removal of excess material. The earthworks is anticipated to occur over 6 weeks. The anticipated daily generation of heavy vehicles is listed below;

- 6 trucks movements (plants and equipment delivery)
- 2 trucks movements (waste removal)

5.4 Building construction

The traffic generated during the building construction will be delivery of materials, plant and equipment for the works and the removal of waste. The earthworks is anticipated to occur over 40 weeks. The anticipated daily generation of heavy vehicles is listed below;

- 12 truck movements (plant and equipment)
- 2 mobile cranes
- 24 truck movements (construction materials, including concrete)

5.5 Fit-out and completion

The traffic generated during the fit out and completion phase will be delivery of materials and equipment for the works and the removal of waste. The fit out is anticipated to occur over 12 weeks. The anticipated daily generation of heavy vehicles is listed below;

- 8 truck movements (equipment)
- 12 truck movements (construction materials)

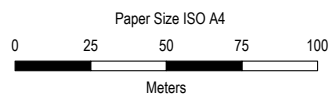
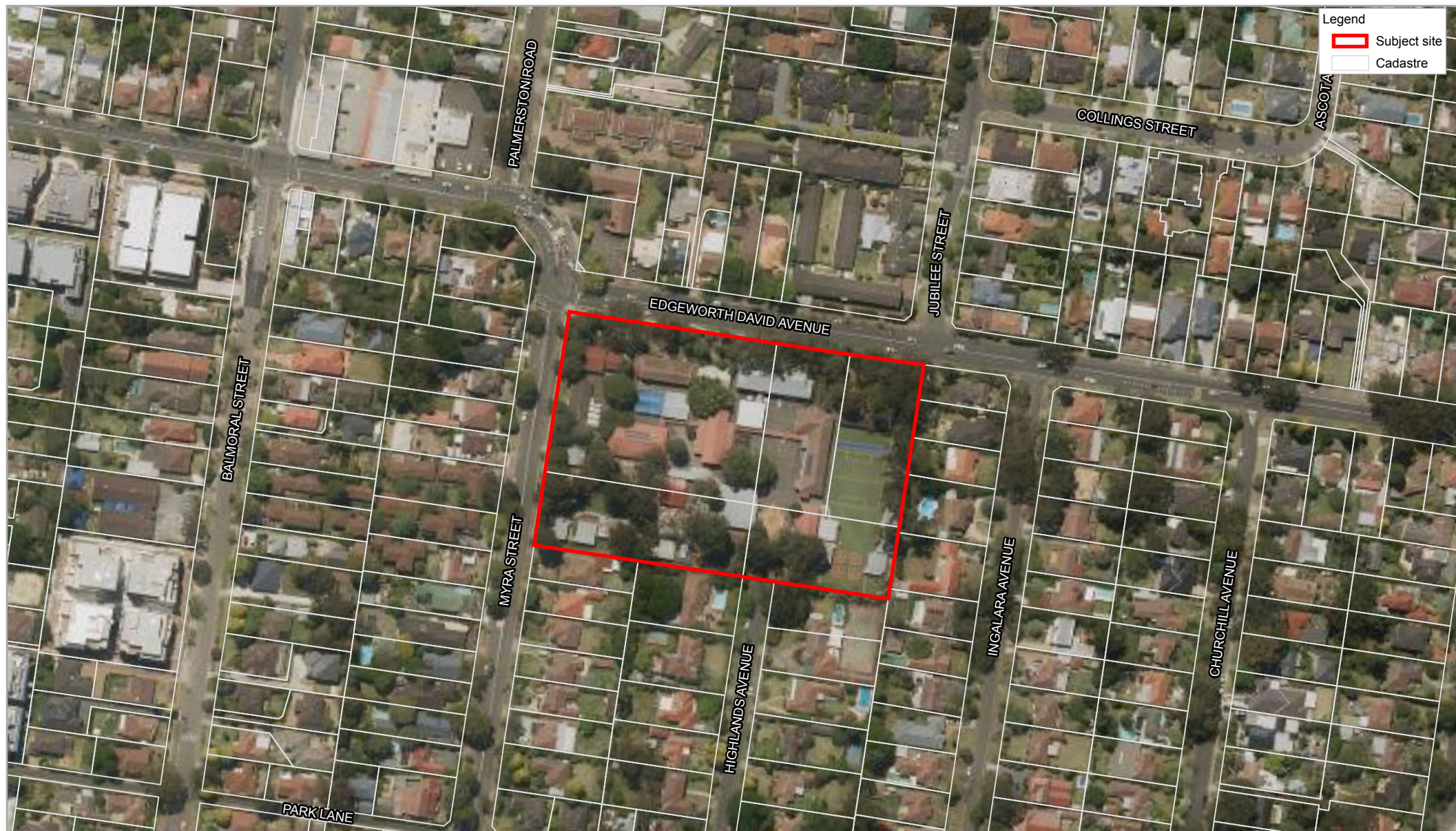
6 Pedestrian access

The main pedestrian access to the school from Edgeworth David Avenue will not be impacted by the works. There are 2 minor pedestrian access points on Myra Street. The most northerly access will be closed during construction, however the southern access will be maintained. This is shown in the attached mark-up of drawing 21-26108-WA-SD-AR-0200. Pedestrian access to and from the school would be developed by the preferred contractor and Waitara School with the final plan presented to Council for review prior to starting construction. Vehicle access to the school for teachers/operational staff would be maintained along Highlands Avenue with no changes noted.

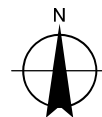
Regards



Gerard Morton



Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56



NSW Department of Education
Waitara Public School
Preliminary Construction Traffic Management Plan

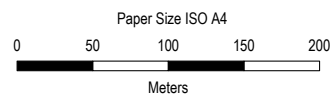
Project No. 21-26108
Revision No. A
Date 13/07/2018

Site location

FIGURE 1



- Legend
- Subject site
 - Construction access route
 - Cadastre



Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

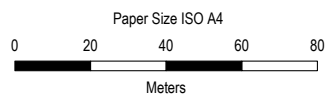


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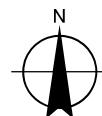
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Date 13/07/2018

Construction access route

FIGURE 2



Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

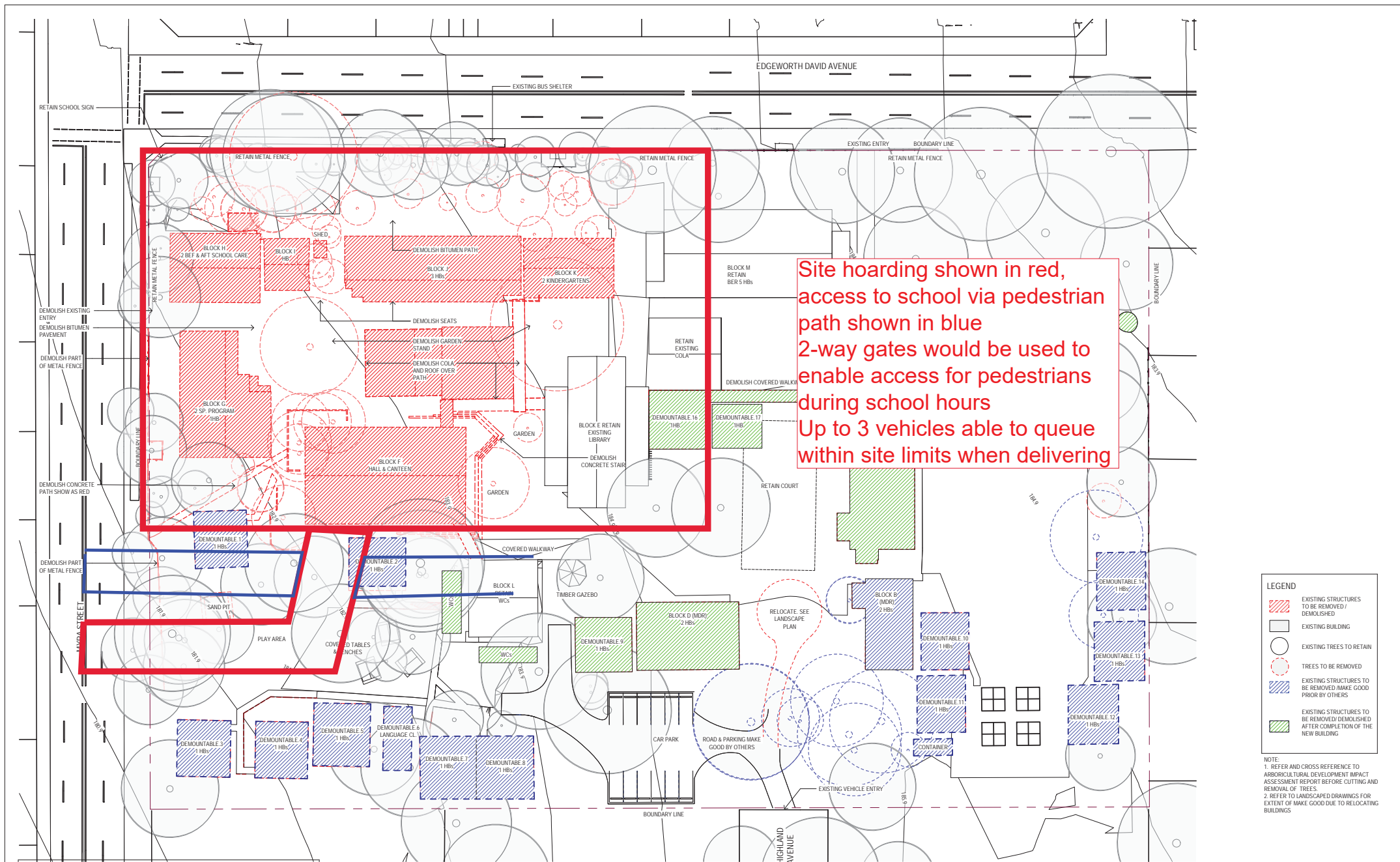


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**Indicative construction
traffic management plan**

Project No. 21-26108
Revision No. A
Date 13/07/2018

FIGURE 3



Site hoarding shown in red,
access to school via pedestrian
path shown in blue
2-way gates would be used to
enable access for pedestrians
during school hours
Up to 3 vehicles able to queue
within site limits when delivering

LEGEND

- EXISTING STRUCTURES TO BE REMOVED / DEMOLISHED
- EXISTING BUILDING
- EXISTING TREES TO RETAIN
- TREES TO BE REMOVED
- EXISTING STRUCTURES TO BE REMOVED MAKE GOOD PRIOR BY OTHERS
- EXISTING STRUCTURES TO BE REMOVED / DEMOLISHED AFTER COMPLETION OF THE NEW BUILDING

NOTE:
1. REFER AND CROSS REFERENCE TO ARBORICULTURAL DEVELOPMENT IMPACT ASSESSMENT REPORT BEFORE CUTTING AND REMOVAL OF TREES
2. REFER TO LANDSCAPED DRAWINGS FOR EXTENT OF MAKE GOOD DUE TO RELOCATING BUILDINGS

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

SITE DEMOLITION PLAN
SCALE 1:300

G	SCHEME DESIGN REVISION	AA	MD*	BM*	27.02.2018		
F	SCHEME DESIGN REVISION	AA	MD*	BM*	23.02.2018		
E	SCHEME DESIGN REVISION	AA	MD*	BM*	24.01.2018		
D	SCHEME DESIGN FOR APPROVAL	AA	MD*	BM*	19.10.2017		
C	ISSUED FOR SCHEME DESIGN INTERNAL REVIEW	AA	MD*	BM*	12.10.2017		
B	ISSUED FOR DEVELOPMENT APPLICATION	AA	MD*	BM*	19.09.2017		
A	PRELIMINARY ISSUE TO CLIENT	AA	MD*	BM*	28.08.2017		
No	Revision	Note: *	Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



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Drawn	A. ARIMADO	Designer	S. BUZGAN
Drafting Check	D. CHEONG	Design Check	E. BULLO
Approved (Project Director)		Notified / Responsible Architect	A. MILLER
Scale	As indicated	This Drawing must not be used for Construction unless signed as Approved	

Client **NSW DEPARTMENT OF EDUCATION**
Project **WAITARA PUBLIC SCHOOL REDEVELOPMENT**
Title **ARCHITECTURAL SITE DEMOLITION PLAN**

Original Size **A1** Drawing No: **21-26108 -WA-SD-AR-0200** Rev: **G**