

Arthur Phillip High School and Parramatta Public School

Social Impact Assessment

Mecone Pty Ltd on behalf of
Department of Education
April 2016



Project Director

Adam Coburn

Signed*

.....

Date

Contributors

Lauren McMahon

* This document is for discussion purposes only unless signed and dated by the persons identified. This document has been reviewed by the Project Director.

Contact

Mecone

Suite 12048, Level 12, 179 Elizabeth Street
Sydney, New South Wales 2000

info@mecone.com.au
mecone.com.au

© Mecone

All Rights Reserved. No part of this document may be reproduced, transmitted, stored in a retrieval system, or translated into any language in any form by any means without the written permission of Mecone.

All Rights Reserved. All methods, processes, commercial proposals and other contents described in this document are the confidential intellectual property of Mecone and may not be used or disclosed to any party without the written permission of Mecone.

Table of Contents

1	Introduction	3
1.1	Purpose of this document	3
1.2	Methodology	3
1.3	Structure of this document.....	3
2	Site description and proposed development	4
2.1	Site description	4
2.2	Proposed development	4
3	Community profile of Parramatta.....	5
3.1	Profile of Parramatta LGA	5
3.2	Profile of Parramatta CBD	5
4	Supply and demand of schools	6
4.1	Overview of supply	6
4.1.1	Primary Schools	6
4.1.2	Secondary Schools.....	7
4.2	Primary school provision and gaps	7
4.3	High school provision and gaps	9
5	Identification and analysis of social impacts	10
5.1	PPS.....	10
5.2	APHS.....	10
5.3	Vertical school village	10
5.4	Location of school facilities in CBD	11
6	Monitoring and mitigation measures	11
7	Conclusion	12

Schedule of Figures and Tables

Figure 1: Subject site.....	4
Figure 2: Primary Schools within Parramatta City Centre	6
Figure 3: Secondary Schools within Parramatta City Centre	7
Table 1. Population projections to 2031 for Parramatta LGA (source DoE)	5
Table 2. Population projections to 2036 for Parramatta CBD (source Forecast id)..	5
Table 3. Student enrolment projections for primary schools (source DoE)	8
Table 4. Additional teaching spaces needed and current utilisation for primary schools (source DoE)	8
Table 5. Student enrolment projections for secondary schools (source DoE)	9
Table 6. Additional teaching spaces needed and current utilisation for secondary schools (source DoE)	9
Table 7. Monitoring and mitigation measures and actions	11

1 Introduction

This Social Impact Assessment (SIA) has been prepared on behalf of Department of Education (DoE) for the redevelopment of the existing Arthur Phillip High School (APHS) and Parramatta Public School (PPS) which are shared sites in Parramatta City Centre. The purpose of the redevelopment is expand the capacity of the school network to meet demand from increasing student populations associated with urban growth, new housing and demographic change in the vicinity of the Parramatta CBD.

This report has been prepared as supporting documentation to accompany a development application for the site with regards to the State Significant Development (SSD) assessment criteria (Application Number - SSD 15_7237). The SIA will address the Secretary's Environmental Assessment Requirements (SEARs) for the SSD and in particular item 9 which relates to Social Impacts: *'include an assessment of the social consequences of the schools' CBD location.'*

1.1 Purpose of this document

The purpose of the SIA involves analysing, monitoring, and managing the social consequences (whether being positive, negative or neutral) of the proposal and any social changes it may cause in the short term, long term or cumulatively. In particular, the SIA provides an assessment of the impacts the proposed development will have on the existing primary and secondary school facilities.

1.2 Methodology

The SIA has had reference to the following data and reports:

- Review of report Redevelopment of Arthur Phillip High School and Parramatta Public School Business Case, prepared by Department of Education and dated January 2016;
- Review of School catchment maps prepared by Department of Education and dated October 2015;
- Review of Enrolment data provided by Department of Education and dated March 2016; and
- Review of data from Forecast id including population of Parramatta CBD for primary and secondary students in 2011, 2024 and 2036.

1.3 Structure of this document

The SIA incorporates the following sections:

- Site description and proposed development;
- Community profile of Parramatta LGA and CBD;
- Supply and demand of school facilities;
- Key social impacts; and
- Monitoring and mitigation measures.

2 Site description and proposed development

2.1 Site description

The site is located in the Parramatta City Centre with Parramatta Train Station 100m to the south-west. The site is predominately surrounded by various residential, commercial and retail uses while to the south of the site is the NSW Lancer Barracks which is a historic military facility. The APHS and PPS are shared sites while Macquarie Street runs through the middle. APHS is located at 80-100 Macquarie Street which is approximately 1.2ha in size while PPS is located to the south across Macquarie Street at 175 Macquarie Street and is approximately 1.78ha in size, refer to the figure below.



Figure 1: Subject site

Source: Six maps, modified by Mecone

2.2 Proposed development

The application proposes to substantially demolish the existing buildings and erect two multi-storey developments with the smaller heritage items being retained for supporting functions.

The proposed APHS will incorporate a 17 storey (including mezzanine levels) vertical school to the north-eastern corner and a 2 storey gymnasium/movement complex with a total floor area of 18,000sqm (approximately). The development will accommodate an additional 1,000 students and 67 staff (approximately) while there are currently 600 students and 55 staff (approximately).

The PPS will incorporate a 4-storey U-shaped building opening onto the school courtyard with approximately 10,000sqm of floor area. The development will

accommodate an additional 2,000 students and 108 staff (approximately) while there are currently 1,600 students and 80 staff (approximately).

3 Community profile of Parramatta

3.1 Profile of Parramatta LGA

Primary and secondary school students account for a high portion of the Parramatta local government area (LGA) population and it is anticipated that these groups will experience a significant increase by 2031, refer to the table below.

At present, primary students (5-11 years old) comprise of 5.8% of the population for the Parramatta LGA while secondary students (12-17 year olds) account for 3.4%. Between 2016 and 2031 it is anticipated that primary student numbers will increase by 39.3% while secondary students will increase by 46.7%.

Table 1. Population projections to 2031 for Parramatta LGA (source DoE)					
	2016	2021	2026	2031	Increase between 2016 – 2031
Primary school (5-11 year olds)	11,200	13,050	14,500	15,600	+4,400
Secondary students (12-17 year olds)	6,850	7,700	8,950	10,050	+3,200
All ages	191,750	211,400	232,200	253,900	+62,150

3.2 Profile of Parramatta CBD

Primary and secondary students are anticipated to significantly increase in Parramatta's CBD between 2011 and 2036, refer to the table below. Between 2011 and 2036 it is anticipated that primary student numbers will increase by 400.6% while secondary students will increase by 375.7%. By 2036, primary students will account for 6.2% of the population in the Parramatta CBD while secondary students will account for 3.3%.

Table 2. Population projections to 2036 for Parramatta CBD (source Forecast id)				
	2011	2024	2036	Change between 2011 and 2036
Primary school (5-11 year olds)	342	1,063	1,712	+1,370
Secondary students (12-17 year olds)	189	542	899	+710

Table 2. Population projections to 2036 for Parramatta CBD (source Forecast id)				
	2011	2024	2036	Change between 2011 and 2036
All ages	8,393	20,003	27,497	+19,104

4 Supply and demand of schools

4.1 Overview of supply

4.1.1 Primary Schools

There are currently five primary schools with catchments covering the Parramatta City Centre which are detailed as follows (refer to figure below):

1. Parramatta Public School
2. Parramatta North Public School
3. Parramatta East Public School
4. Parramatta West Public School
5. Rosehill Public School



Figure 2: Primary Schools within Parramatta City Centre
Source: Department of Education

4.1.2 Secondary Schools

There are currently four secondary schools with catchments covering the Parramatta City Centre which are detailed as follows (refer to figure below):

1. Arthur Phillip High School
2. Macarthur Girls High School
3. Northmead Creative & Performing Arts High School
4. Parramatta High School

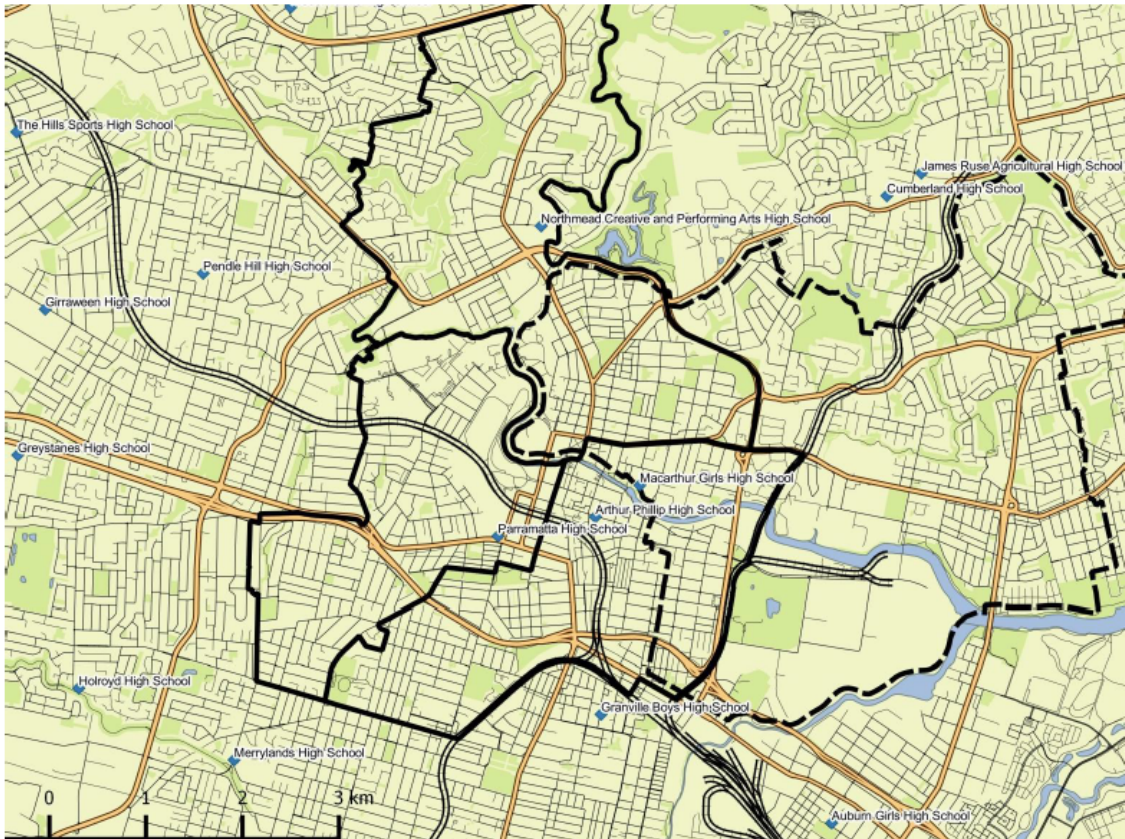


Figure 3: Secondary Schools within Parramatta City Centre
Source: Department of Education

4.2 Primary school provision and gaps

As discussed in Section 3.2 above, the number of primary students in the Parramatta CBD is anticipated to significantly increase by 2036 which will put pressure on the existing primary school facilities. With all the primary school facilities well above capacity, there will be increasing demand for schools to increase enrolment numbers and teaching spaces to cater for this growth.

Table 3 below demonstrates the student enrolment projections between 2016-2031 for primary schools within the Parramatta City Centre. The projections for student enrolments across the five primary schools with catchments covering the Parramatta City Centre are for an increase of 2,612 students to 2031.

Table 3. Student enrolment projections for primary schools (source DoE)					
	2016	2021	2026	2031	Increase between 2016 – 2031
Parramatta PS	752	1,110	1,365	1,720	+968
Parramatta North PS	342	425	582	742	+400
Parramatta East PS	394	475	545	600	+206
Parramatta West PS	708	875	975	1,065	+357
Rosehill PS	650	855	1099	1331	+681
Total	2,846	3,740	4,566	5,458	+2,612

Table 4 below illustrates the net additional teaching spaces required between 2016 and 2031 to cater for the projected number of student enrolments. Furthermore, table 4 below illustrates the utilisation of existing primary school facilities in 2015. By 2031, the five primary schools will need to accommodate 2,612 students which equates to 117 additional teaching spaces. However, all of the five schools are operating at full utilisation with 150% of the teaching space used and there is no capacity to accommodate the future projected growth.

Table 4. Additional teaching spaces needed and current utilisation for primary schools (source DoE)		
	Net additional teaching spaces required between 2016 – 2031	Utilisation of existing primary school facilities in 2015
Parramatta PS	+44	143%
Parramatta North PS	+18	155%
Parramatta East PS	+9	213%
Parramatta West PS	+16	141%
Rosehill PS	+30	140%
Total	+117	150%

***Note:** Net additional teaching space demand means the number of additional teaching spaces needed to accommodate projected number of student enrolments after the take up of existing spare teaching spaces.

Utilisation is a measure of demand against the permanent teaching space capacity of schools, and excludes demountable classrooms which are a temporary measure for fluctuating demand.

4.3 High school provision and gaps

In Section 3.2 above, it has been demonstrated that the number of secondary students in the Parramatta CBD will increase significantly by 2036 which will increase the demand for primary school facilities. With most of the secondary school facilities at full capacity, there will be increasing demand for schools to increase enrolment numbers and teaching spaces.

Table 5 below demonstrates the student enrolment projections between 2016-2031 for secondary schools within the Parramatta City Centre. The projections for student enrolments across the four secondary schools with catchments covering the Parramatta City Centre are for an increase of 3,025 students to 2031.

Table 5. Student enrolment projections for secondary schools (source DoE)					
	2016	2021	2026	2031	Increase between 2016 – 2031
Arthur Phillip HS	1374	1895	2415	2825	+1451
Macarthur Girls HS	1035	1190	1415	1595	+ 560
Northmead CAPA HS	1036	1205	1365	1480	+ 444
Parramatta HS	865	1115	1315	1435	+ 570
Total	4310	5405	6510	7335	+3025

Table 6 below illustrates the net additional teaching spaces required between 2016 and 2031 to cater for the projected number of student enrolments and the utilisation of existing secondary school facilities in 2015. By 2031, the four schools will need to accommodate 3,025 students which equates to 152 additional teaching spaces. However, most of the schools are operating at full utilisation with 100% of the teaching space used for all the schools.

Table 6. Additional teaching spaces needed and current utilisation for secondary schools (source DoE)		
	Increase between 2016 – 2031	Utilisation of existing primary school facilities in 2015
Arthur Phillip HS	+73	139%
Macarthur Girls HS	+29	123%
Northmead CAPA	+22	84%

Table 6. Additional teaching spaces needed and current utilisation for secondary schools (source DoE)

	Increase between 2016 – 2031	Utilisation of existing primary school facilities in 2015
HS		
Parramatta HS	+28	96%
Total	+152	100%

***Note:** Net additional teaching space demand means the number of additional teaching spaces needed to accommodate projected number of student enrolments after the take up of existing spare teaching spaces.

Utilisation is a measure of demand against the permanent teaching space capacity of schools, and excludes demountable classrooms which are a temporary measure for fluctuating demand.

5 Identification and analysis of social impacts

This section identifies and assesses the social impacts of the proposed development in relation to school services and facilities for primary and secondary schools.

5.1 PPS

The proposed redevelopment of PPS will accommodate an additional 1,000 students. It is anticipated that PPS will have an additional 968 student enrolments in between 2016-2031 and furthermore, the primary student population in Parramatta CBD is anticipated to increase by 400.6% from 2011 to 2036. In 2015, the PPS was well above full utilisation (143%) and has no capacity to accommodate the projected population growth. The proposed redevelopment of PPS would assist in accommodating the additional enrolment numbers while alleviating pressure on the surrounding primary schools in the city centre.

5.2 APHS

The proposed redevelopment of APHS would allow for an additional 2,000 secondary students. As detailed above, it is anticipated that APHS will have an additional 1,451 student enrolments by 2031 and furthermore, the secondary student population in Parramatta CBD is anticipated to increase by 375.7% from 2011 to 2036. Currently the APHS is at full utilisation (139%) and has no capacity to accommodate the projected population growth. The proposed redevelopment of APHS would assist in accommodating population growth while alleviating the pressure on the surrounding schools.

5.3 Vertical school village

As numbers increase in densely populated areas there is a demand for existing school facilities to expand which generally at full capacity. Vertical school villages allow existing facilities to expand in populated areas to cater for projected population growth. Vertical school villages reduce the pressure of existing schools having to relocate additional services further away which minimises the fragmentation of schools and ensures more sustainable and efficient schools are developed.

The redevelopment of APHS incorporates a 17 storey vertical school village. The proposed vertical school village will increase the opportunity for providing recreation facilities. The proposal includes two games courts (which are being retained) and a new 2 storey gymnasium/movement complex. The provision of recreational facilities within the school grounds will generally improve the wellbeing and health of future students.

Within the vertical school village each school year will be allocated two levels (including a mezzanine level) for their entire secondary schooling. Each floor incorporates a series of spaces including indoor and outdoor learning spaces, seminar rooms, studios, a kitchenette and a staff study. The vertical school village will provide a series of flexible and social spaces which encourage a sense of community and belonging for future students. Furthermore, the proposed vertical village will incorporate a series of outdoor learning areas which will improve air quality and the internal school environment.

5.4 Location of school facilities in CBD

As demonstrated in Section 4 above, the primary and secondary student population in the Parramatta CBD is projected to grow significantly while the existing school facilities are at fully capacity. The proposed development will increase the capacity schools in the CBD for future population growth. This will ensure that families living in Parramatta CBD have access to school facilities rather than forced to commute long distances for education purposes.

Although the proposal will be located in the CBD it will still provide sufficient outdoor and indoor areas for recreational facilities including games courts, landscaped courtyard areas, play equipment areas and an indoor gymnasium. Furthermore, the vertical school village will provide creative and flexible spaces as discussed in Section 5.3 above.

Given the central location of the school, students will have access to a range of public transport services and will be able to easily access other services such as libraries or other recreational facilities such as swimming pools if required.

6 Monitoring and mitigation measures

This section considers measures for managing impacts to mitigate or prevent negative social impacts, build community resilience, and enhance positive impacts. The mitigation measures will attempt to reduce risks and unwanted effects while enhancing potential benefits.

Table 7. Monitoring and mitigation measures and actions

Item	Impact type	Mitigation or enhancement measures
PPS Increase the capacity of the PPS by an additional 1,000 students where there the school is currently over utilised.	Positive	The provision of an additional 1,000 spaces in the primary school will alleviate the pressure on existing school facilities in the Parramatta City Centre. This will ensure that existing schools are less overcrowded.

Table 7. Monitoring and mitigation measures and actions

Item	Impact type	Mitigation or enhancement measures
APHS Increase the capacity of the PPS by an additional 2,000 students where there the school is currently over utilised.	Positive	The provision of an additional 2,000 spaces in the secondary school will alleviate the pressure on existing school facilities in the Parramatta City Centre. This will ensure that existing schools are less overcrowded.
Vertical school village The APHS will incorporate a vertical school village style development for the secondary school.	Neutral	- The vertical school will allow for APHS and PPS to expand without relocating services away from the existing schools. - The vertical school village will provide sufficient areas for indoor and outdoor recreational facilities which will improve and health and wellbeing of future students. - Creative, social and flexible teaching spaces which will create a sense of belonging for future students.
Location of school facilities in CBD location The APHS and PPS will be located in the Parramatta CBD.	Neutral	- The proposed increased school facilities in the CBD will ensure that families living in the City Centre will have access to education facilities. - The proposed schools will have access to sufficient recreational facilities on site. - The students will have access to public transport services and a range of other services given its central location.

7 Conclusion

This SIA has been prepared on behalf of the DoE and provides an assessment of the social issues surrounding the existing primary and secondary schools and the proposed development.

At present, APHS and PPS are at full capacity with no potential to expand within existing classrooms and school facilities. It is highlighted that student enrolment projections and student population with the Parramatta CBD is anticipated to significantly rise by 2036 which will put pressure on existing school facilities. The

redevelopment of APHS and PPS will expand the capacity of the school network to meet demand from increasing student populations associated with urban growth, new housing and demographic changes in the vicinity of the Parramatta CBD.

The social impacts associated with the proposed development considered to be either positive or neutral and are considered to be acceptable in this regard.



Suite 12048, Level 12, 179 Elizabeth Street
Sydney, New South Wales 2000

info@mecone.com.au
mecone.com.au