

# ABORIGINAL CULTURAL HERITAGE ASSESSMENT

---

**Lot 1 DP 1199904  
Newcastle Courthouse  
9 Church Street  
Newcastle NSW  
Newcastle LGA**



*Archaeological*



**Benjamin Streat, Yolanda Pavincich &  
Steven J. Vasilakis**

*Archaeological Management & Consulting Group  
& Streat Archaeological Services Pty Ltd*

**for  
Azusa Sekkei**

**on behalf of  
Nihon University**

**July 2019**

*Disclaimer*

*The veracity of this report is not guaranteed unless it is a complete and original copy.*

*This report may be inaccurate, incomplete, not original, or modified, if it appears in monochrome form and the signature below is a copy.*



*Benjamin Streat  
Director of Aboriginal Archaeology  
(mobile 0405 455 869)*



**Archaeological Management & Consulting Group**

**AEGIS HERITAGE Pty Ltd ACN 121 655 020**

Ph (02) 9568 6093  
Fax (02) 9568 6093  
Mob 0411 727 395  
E-mail [amac@archaeological.com.au](mailto:amac@archaeological.com.au)



**Streat Archaeological Services Pty Ltd**

**ACN 126 731 637 ABN 17 126 731 637**

Ph (02) 9564 2206  
Mob 0405 455 869  
E-mail [Streatarchaeological@netspace.net.au](mailto:Streatarchaeological@netspace.net.au)  
[Benjaminstreat@archaeological.com.au](mailto:Benjaminstreat@archaeological.com.au)

**Cover Image**

Topographical map with Study area indicated in purple.  
Six Maps Viewer, accessed 22nd March 2019

<b>CONTENTS</b>	<b>PAGE</b>
<b>CONTENTS PAGE</b>	<b>2</b>
<b>TABLE OF FIGURES</b>	<b>4</b>
<b>ACKNOWLEDGEMENT OF COUNTRY</b>	<b>5</b>
<b>INTERNAL REVIEW</b>	<b>6</b>
<b>EXECUTIVE SUMMARY</b>	<b>7</b>
<b>CONTACT DETAILS</b>	<b>10</b>
<b>1.0 INTRODUCTION</b>	<b>12</b>
1.1 BACKGROUND	12
1.2 STUDY AREA	12
1.3 SCOPE	12
1.4 ABORIGINAL CONSULTATION & PARTICIPATION SUMMARY	12
1.5 AUTHOR IDENTIFICATION	13
1.6 ACKNOWLEDGEMENTS	13
<b>2.0 LEGISLATIVE CONTEXT AND STATUTORY CONTROLS</b>	<b>14</b>
2.1 COMMONWEALTH HERITAGE LEGISLATION AND LISTS	14
2.1.1 Environmental Protection and Biodiversity Conservation Act 1999	14
2.1.2 National Heritage List	14
2.1.3 Commonwealth Heritage List	14
2.2 NEW SOUTH WALES STATE HERITAGE LEGISLATION AND LISTS	14
2.2.1 National Parks and Wildlife Act 1974	14
2.2.2 Environmental Planning & Assessment Act 1979	16
2.2.3 The Aboriginal Land Rights Act 1983	16
2.2.4 The Native Title Act 1993	16
2.2.5 New South Wales Heritage Register and Inventory 1999	17
2.2.6 Register of Declared Aboriginal Places 1999	17
2.3 LOCAL PLANNING INSTRUMENTS	17
2.3.1 Newcastle Local Environmental Plan 2012	17
2.3.2 Newcastle Development Control Plan 2012	18
2.3.3 Newcastle Archaeological Management Plan	19
2.4 DUE DILIGENCE CODE OF PRACTICE FOR THE PROTECTION OF ABORIGINAL OBJECTS IN NEW SOUTH WALES	19
2.5 CODE OF PRACTICE FOR ARCHAEOLOGICAL INVESTIGATION OF ABORIGINAL OBJECTS IN NSW	19
2.6 GUIDELINES	19
<b>3.0 DESCRIPTION OF STUDY AREA</b>	<b>21</b>
3.1 REGISTERED ABORIGINAL SITES NEAR THE AREA	21
3.2 ENVIRONMENTAL CONTEXT	23
3.2.1 Topography	23
3.2.2 Geology and Soils	23
3.2.3 Watercourse	24
3.2.4 Vegetation	24
3.3 LAND USE AND DISTURBANCE FACTORS	27
3.3.1 Aboriginal Land Use and Resources	28
3.3.2 European Land Use	29
3.3.3 Disturbance and Archaeological Potential	29
<b>4.0 ABORIGINAL CONSULTATION</b>	<b>30</b>
4.1 OEH CONSULTATION REQUIREMENTS	30

4.2	CONSULTATION SUMMARY	33
	<b>5.0 BACKGROUND INFORMATION</b>	<b>39</b>
5.1	ARCHAEOLOGICAL CONTEXT	39
5.2	THE AWABAKAL NATION	40
5.3	OEH AHIMS SEARCH RESULTS	42
5.4	OTHER SEARCH RESULTS	44
5.5	ABORIGINAL CULTURAL LANDSCAPE MAP 2005	44
5.6	SUMMARY OF ARCHAEOLOGICAL PREDICTIVE MODEL FOR THE REGION	46
5.7	ARCHAEOLOGICAL PREDICTIVE MODEL FOR THE STUDY AREA	50
5.8	PREVIOUS ARCHAEOLOGICAL STUDIES NEAR THE STUDY AREA	51
	<b>6.0 CULTURAL HERITAGE RESPONSES</b>	<b>54</b>
6.1	REGISTERED STAKEHOLDER QUESTIONS	54
6.2	REGISTERED STAKEHOLDER SUBMISSIONS TO QUESTIONS	55
6.2.1	Awabakal Local Aboriginal Land Council Response	55
6.3	REGISTERED STAKEHOLDER SUBMISSIONS TO ACHA	56
6.3.1	Merrigarn	56
6.3.2	Muragadi	56
6.3.3	Murra Bidgee Mullangari	56
6.3.4	Widescope Indigenous Group	57
6.3.5	Worimi Traditional Owners Corporation	57
	<b>7.0 SIGNIFICANCE ASSESSMENT</b>	<b>58</b>
7.1	ARCHAEOLOGICAL SIGNIFICANCE	58
7.1.1	Educational Significance	58
7.1.2	Scientific Significance	58
7.1.3	Representative Significance	58
7.2	SOCIAL AND CULTURAL SIGNIFICANCE	58
7.2.1	Historic Significance	59
7.2.2	Scientific Significance	59
7.2.3	Aesthetic Significance	59
	<b>8.0 PROPOSED ACTIVITY</b>	<b>60</b>
8.1	DESCRIPTION OF PROPOSED ACTIVITY AND IMPACTS	60
8.2	PROPOSED DEVELOPMENT JUSTIFICATION	60
8.3	POTENTIAL HARM TO ABORIGINAL OBJECTS AND CULTURAL HERITAGE	61
8.4	ASSESSING HARM	61
8.5	AVOIDING AND MINIMISING HARM TO ABORIGINAL OBJECTS	61
8.6	JUSTIFICATION OF HARM TO ABORIGINAL OBJECTS	61
8.7	ECOLOGICALLY SUSTAINABLE DEVELOPMENT AND INTERGENERATIONAL EQUITY	61
	<b>9.0 MANAGEMENT AND MITIGATION</b>	<b>72</b>
9.1	CARE AND CONTROL	72
9.2	RECOMMENDATIONS	72
	<b>GLOSSARY</b>	<b>75</b>
	<b>REFERENCES</b>	<b>78</b>
	<b>APPENDIX</b>	<b>82</b>
	APPENDIX ONE: AHIMS RESULTS	82

## TABLE OF FIGURES

Figure 3.1	Aerial of study area. ....	21
Figure 3.2	Topographic map with site location. ....	22
Figure 3.3	Newcastle Soil Landscape Sheet Map 1:100 000. ....	23
Figure 3.4	Cross Section of soil landscape illustrating relationships between landscape features and dominant soil materials. ....	25
Figure 3.5	Topographic map indicating watercourses in blue. ....	26
Figure 5.1	AHIMS Search Results ....	43
Figure 5.2	The Newcastle Local Environmental Plan Heritage Items ....	44
Figure 5.3	Aboriginal Cultural Landscapes within the Hunter and Central Coast Region. ....	45
Figure 5.4	Examples of forager settlement patterns. ....	46
Figure 5.5	Strahler's hierarchy of tributaries. ....	47
Figure 8.1	Demolition Plan. ....	62
Figure 8.2	Conservation Plan. ....	63
Figure 8.3	Proposed 1 <sup>st</sup> Floor Plan. ....	64
Figure 8.4	Proposed 2 <sup>nd</sup> Floor Plan. ....	65
Figure 8.5	Proposed 3 <sup>rd</sup> Floor Plan. ....	66
Figure 8.6	Proposed 4 <sup>th</sup> Floor Plan. ....	67
Figure 8.7	Sections – 1. ....	68
Figure 8.8	Sections – 2. ....	69
Figure 8.9	Option – 1 Elevations – 1. ....	70
Figure 8.10	Survey Plan. ....	71

## ACKNOWLEDGEMENT OF COUNTRY

Nihon University would like to acknowledge the Traditional Custodians of the Newcastle Area– the Awabakal peoples– and pay respect to their cultural heritage, beliefs and continuing relationship with the land.

Nihon University would also like to acknowledge the post contact experiences of Aboriginal peoples who have attachment to the Newcastle area.

“We pay our respect to the Elders – past, present and future – for they hold the memories, traditions, culture and hopes of Aboriginal Peoples in the area.”

Nihon University recognises the role of the registered Aboriginal parties in the management of the Aboriginal cultural heritage sites, landscape features and values of this project.

Nihon University would like to thank the Registered Aboriginal Parties for their participation in this project and for their valuable contribution to this Aboriginal Cultural Heritage Assessment which has been enriched by their willingness to share valuable aspects of their cultural knowledge especially in respect of Caring for Country

## INTERNAL REVIEW

Version	Written/ Edited	Date	Document Status	Reviewed by	Issue Date
1	Y. Pavincich	16.05.19	ACHA Draft V.1	Client	20.05.19
2	Steven J. Vasilakis	24.05.19	ACHA Draft V.2 - amendments/edits	RAPs	24.05.19
3	Y. Pavincich	22.06.19	AHCA Final	Client	24.06.19
4	Y. Pavincich	10.07.19	ACHA Amendment	Client	10.07.19



## EXECUTIVE SUMMARY

### **Background**

Archaeological Management and Consulting Group (AMAC) in conjunction with Streat Archaeological Services Pty Ltd (SAS) was commissioned by Azusa Sekkei in January 2019, to prepare a full Aboriginal Cultural Heritage Assessment and Aboriginal Archaeological assessment including full consultation and a programme of test excavation for the proposed development of an educational facility at Lot 1 DP 1199904, at the following street address 9 Church Street, Newcastle, New South Wales.

A Due Diligence Aboriginal Archaeological Assessment of the study area was undertaken by AMAC (2019), of which it is recommended that further investigation including a programme of test excavation takes place prior to any works commencing.

### **Aboriginal Consultation**

Consultation for this report has been undertaken in accordance with the Office of Environment and Heritage (OEH) and National Parks and Wildlife Act 1974: Part 6; National Parks and Wildlife Act *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010).

### **Recommendations**

A background analysis of the environment and archaeological context revealed that the study area has moderate/major surface disturbances however due to the deep soil profile of the soil landscape it is still likely for *insitu* or non *insitu* Aboriginal objects and/or deposits of conservation value being present. Hunter region and Central Coast Aboriginal Cultural Landscape Map (Section 5.5) indicates the area to be of spiritual and ceremonial significance and as such further investigation into the Aboriginal cultural heritage of the study area should take place which involves full community consultation with Registered Aboriginal Stakeholders, which as previously indicated has already commenced. Although the area may have low archaeological significance it may however hold high cultural significance with intrinsic value to the Aboriginal community.

The surrounding landscape features present do indicate that sub-surface Aboriginal objects and/or deposits are likely in undisturbed areas and are likely to be considered of low to moderate Aboriginal archaeological significance.

The proposed activity is not:

- located within a sand dune system, or;
- located within 200m below or above a cliff face, or;
- within 20m of or in a cave, rock shelter, or a cave mouth.
- located on a ridge top, ridge line or headland, or;

The study area is:

- located within 200m of waters

Based on the locale of water and major water tributaries such as the Hunter River and Newcastle Beach, it is likely that Aboriginal movement and land use would be channelled to this location and therefore the site may hold information regarding cultural activities of the area.



In accordance with the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974 (DECCW, 2010)*, it is recommended that further archaeological and cultural assessment is required and in accordance with *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974 (DECCW, 2010)*.

The following recommendations have been formulated after consultation with the proponent and the RAPs;

- Further assessment was required in the form of a full Aboriginal Cultural Heritage Assessment, including full Aboriginal community consultation in accordance with Part 6; National Parks and Wildlife Act, *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW, 2010) AMAC have been commissioned to proceed with this has been undertaken and this document and appendices constitute this process.
- Subsequent to this report and in accordance with the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010)*, a program of systematic, sub surface archaeological test excavation in accordance with the *Code Of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 4 National Parks and Wildlife Act 1974 (DECCW 2010)*, should be undertaken to establish the nature and extent of any archaeological objects and/or deposits including sand bodies that are/may be present. AMAC have been commissioned to proceed with this and is currently being undertaken;
- If archaeological test excavation in accordance with the *Code of Practice for Archaeological Investigations of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010)* reveals no Aboriginal archaeological objects or deposits; The proposed development as outlined in Figure 8.1 – 8.10, should be allowed to 'proceed with caution'. The timing of any test excavation will be dependent on the appointment of building contractors and will occur prior to demolition and building excavation works being undertaken on within the study area.
- If archaeological test excavation in accordance with *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974 (DECCW 2010)* reveals Aboriginal archaeological objects or deposits; once the nature and extent of the archaeological site has been established through test excavation. This data is to be analysed and synthesised into a test excavation report and is to accompany the application of an Aboriginal Heritage Impact Permit (AHIP) or and Aboriginal Cultural Heritage Management Plan if the development achieves State Significant Development (SSD) status. This may entail further excavation or other mitigative strategies Amendment of the full Aboriginal Cultural Heritage Assessment, including full Aboriginal community consultation in accordance with Part 6; National Parks and Wildlife Act, *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW, 2010) will need to occur to include test excavation results;
- After this and before any ground disturbance takes place all development staff, contractors and workers should be briefed prior to works commencing on site, as to the status of the area and their responsibilities in ensuring preservation of the said area. They should also be informed of their responsibilities regarding any

Indigenous archaeological deposits and/or objects that may be located during the following development;

**Should any human remains be located during the following development;**

- All excavation in the immediate vicinity of any objects of deposits shall cease immediately;
- The NSW police and OEH's Enviroline be informed as soon as possible:
- Once it has been established that the human remains are Aboriginal ancestral remains, OEH and the relevant Registered Aboriginal Parties will identify the appropriate course of action.

## CONTACT DETAILS

The contact details for the following archaeologist, NSW Police, OEH and the Local Aboriginal Land Council are as follows:

Organisation	Contact	Contact Details
NSW Environment Line		131 555
NSW Newcastle City Local Area Command		LAC Office: 30 Harriet Street Waratah NSW 2298 Ph: (02) 4926 6515 Fax: (02) 4926 6511
Archaeological Management & Consulting Group	Mr. Benjamin Streat or Mr. Martin Carney	122c-d Percival Road Stanmore NSW 2048 Ph:(02) 9568 6093 Fax:(02) 9568 6093 Mob: 0405 455 869 Mob: 0411 727 395 benjaminstreat@archaeological.com.au
Office of Environment & Heritage NSW Department of Planning and Environment	Archaeologist – Newcastle regional office	PO Box 1002 Dangar NSW 2309 Ph: (02) 4927 3119 rog.hcc@environment.nsw.gov.au
Awabakal Local Aboriginal Land Council (ALALC)	Cultural Heritage Office; Pete Townsend	PO Box 101 Islington NSW 2296 Ph: (02) 4965 4532 culture@awabakallalc.com.au
Lower Hunter Aboriginal Inc	David Ahoy	lowerhunterai@gmail.com
Guringai Tribal Link Aboriginal Corp.	Tracey Howie	Tracy@guringai.com.au
Awabakal Traditional Owners Aboriginal Corp.	Kerrie Brauer	Kerrie@awabakal.com.au
Awabakal Descendants Traditional Owners	Peter Leven	peterleven@y7mail.com
Worimi Traditional Owners Corp.	Candy Towers	Worimitoc@hotmail.com
A1 Indigenous	Carolyn Hickey	Cazadirect@live.com
Widescope Indigenous Group	Steven Hickey	Widescope.group@live.com
Didge Ngunawal Clan	Paul Boyd	didgengunawalclan@yahoo.com.au

Organisation	Contact	Contact Details
Gidawaa Walang Cultural Heritage Consultants	Craig Horne	Gidawaa.walang@hotmail.com
Steve Talbott		Talbo.minda@hotmail.com
Lower Hunter Wonnarua Cultural Services	Tom Miller	tn.miller@southernphone.com.au
Merrigarn	Shaun Carroll	merrigarn@hotmail.com
Muragadi	Jesse Johnson	muragadi@yahoo.com.au
Murra Bidgee Mullangari	Ryan Johnson	Murrabidgeemullangari@yahoo.com.au
Worimi ACS	Tamara Towers	worimiacs@gmail.com

## 1.0 INTRODUCTION

### 1.1 BACKGROUND

Archaeological Management and Consulting Group (AMAC) in conjunction with Streat Archaeological Services Pty Ltd (SAS) was commissioned by Azusa Sekkei in January 2019, to prepare a full Aboriginal Cultural Heritage Assessment and Aboriginal Archaeological assessment including full consultation and a programme of test excavation for the proposed development of an educational facility at Lot 1 DP 1199904, at the following street address 9 Church Street, Newcastle, New South Wales.

A Due Diligence Aboriginal Archaeological Assessment of the study area was undertaken by AMAC (2019), of which it is recommended that further investigation including a programme of test excavation takes place prior to any works commencing.

### 1.2 STUDY AREA

The study site is that piece of land described as Lot 1 of the Land and Property Information, Deposited Plan 1199904, forming the following street address 9 Church Street, Newcastle in the Parish of Newcastle, County of Northumberland (Figure 3.1 – Figure 3.2).

Lot	Deposited Plan
1	1199904

### 1.3 SCOPE

The aims of this assessment are, to assess the Aboriginal archaeological potential of the study area and to measure the impact of the proposed development on any soil profiles with the potential to contain Aboriginal archaeological deposits and objects, to develop mitigative strategies under the appropriate legislation and to devise an appropriate strategy for the management of Aboriginal archaeological and cultural heritage values of the area. No information in this report has been identified as or is of a restricted nature.

This report will assess the impact of the proposed development on any identified items or places of Aboriginal cultural heritage value and to develop mitigative strategies under the appropriate legislation for the management of Aboriginal archaeological and cultural heritage values of the study area. The process has also allowed the proponent and/or the proponent's representative to outline the project details and the participating Aboriginal stakeholders to have input into formulating mitigative strategies at identified points in the impact assessment process.

### 1.4 ABORIGINAL CONSULTATION & PARTICIPATION SUMMARY

Consultation for this report has been undertaken in accordance with the Office of Environment and Heritage (OEH) and National Parks and Wildlife Act 1974: Part 6; National Parks and Wildlife Act *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010).

*There is a mandatory 28-day period for the Aboriginal stakeholders to comment on this document. A final Aboriginal stakeholder approved version of this report shall be issued at*

*the close of this period (should any changes be required as a result of the exhibition process or Aboriginal stakeholder comment they will be included at this stage).*

## **1.5 AUTHOR IDENTIFICATION**

The analysis of the archaeological background and the reporting were undertaken by Mr. Benjamin Streat (BA, Grad Dip Arch Her, Grad Dip App Sc), archaeologist and Director of Streat Archaeological Services Pty Ltd in association with archaeologist Ms. Yolanda Pavincich (B. Arch., Grad Dip Cul Her.) and under the guidance of Mr. Martin Carney archaeologist and Managing Director of AMAC Group.

## **1.6 ACKNOWLEDGEMENTS**

The author would like to thank the following for advice and/or input into this assessment;

- Ms. K. .Daunt of DWP;
- Awabakal Local Aboriginal Land Council (ALALC);
- Lower Hunter Aboriginal Inc;
- Guringai Tribal Link Aboriginal Corp.;
- Awabakal Traditional Owners Aboriginal Corp.;
- Awabakal Descendants Traditional Owners;
- Worimi Traditional Owners Corp.;
- A1 Indigenous;
- Widescope Indigenous Group;
- Didge Ngunawal Clan;
- Gidawaa Walang Cultural Heritage Consultants;
- Steve Talbott;
- Lower Hunter Wonnarua Cultural Services;
- Merrigarn;
- Muragadi;
- Murra Bidgee Mullangari;
- Worimi ACS;

## **2.0 LEGISLATIVE CONTEXT AND STATUTORY CONTROLS**

This section of the report provides a brief outline of the relevant legislation and statutory instruments that protect Aboriginal archaeological and cultural heritage sites within the state of New South Wales. Some of the legislation and statutory instruments operate at a federal or local level and as such are applicable to Aboriginal archaeological and cultural heritage sites in New South Wales. This material is not legal advice and is based purely on the author's understanding of the legislation and statutory instruments. This document seeks to meet the requirements of the legislation and statutory instruments set out within this section of the report.

### **2.1 COMMONWEALTH HERITAGE LEGISLATION AND LISTS**

One piece of legislation and two statutory lists and one non-statutory list are maintained and were consulted as part of this report: The National Heritage List; the Commonwealth Heritage List and the Register of the National Estate.

#### **2.1.1 Environmental Protection and Biodiversity Conservation Act 1999**

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) offers provisions to protect matters of national environmental significance. This act establishes the National Heritage List and the Commonwealth Heritage List which can include natural, Indigenous and historic places of value to the nation. This Act helps ensure that the natural, Aboriginal and historic heritage values of places under Commonwealth ownership or control are identified, protected and managed (Australian Government 1999).

#### **2.1.2 National Heritage List**

The National Heritage List is a list which contains places, items and areas of outstanding heritage value to Australia; this can include places, items and areas overseas as well as items of Aboriginal significance and origin. These places are protected under the Australian Government's EPBC Act.

#### **2.1.3 Commonwealth Heritage List**

The Commonwealth Heritage List can include natural, Indigenous and historic places of value to the nation. Items on this list are under Commonwealth ownership or control and as such are identified, protected and managed by the Federal Government.

### **2.2 NEW SOUTH WALES STATE HERITAGE LEGISLATION AND LISTS**

The state (NSW) based legislation that is of relevance to this assessment comes in the form of the acts which are outlined below.

#### **2.2.1 National Parks and Wildlife Act 1974**

The NSW National Parks and Wildlife Act 1974 (as amended) defines Aboriginal objects and provides protection to any and all material remains which may be evidence of the Aboriginal occupation of lands continued within the state of New South Wales. The relevant sections of the Act are sections 84, 86, 87 and 90.



An Aboriginal object, formerly known as a relic, is defined as:

*any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains” (NSW Government, 1974).*

It is an offence to harm or desecrate an Aboriginal object or places under Part 6, Section 86 of the NPW Act:

Part 6, Division 1, Section 86: Harming or desecrating Aboriginal objects and Aboriginal places:

- (1) *A person must not harm or desecrate an object that the person knows is an Aboriginal object.*

*Maximum penalty:*

- (a) *in the case of an individual—2,500 penalty units or imprisonment for 1 year, or both, or (in circumstances of aggravation) 5,000 penalty units or imprisonment for 2 years, or both, and*
- (b) *in the case of a corporation—10,000 penalty units.*

- (2) *A person must not harm an Aboriginal object.*

*Maximum penalty:*

- (a) *in the case of an individual—500 penalty units or (in circumstances of aggravation) 1,000 penalty units, or*
- (b) *in the case of a corporation—2,000 penalty units.*

- (3) *For the purposes of this section, **circumstances of aggravation** are:*

- (a) *that the offence was committed in the course of carrying out a commercial activity, or*
- (b) *that the offence was the second or subsequent occasion on which the offender was convicted of an offence under this section.*

*This subsection does not apply unless the circumstances of aggravation were identified in the court attendance notice or summons for the offence.*

- (4) *A person must not harm or desecrate an Aboriginal place.*

*Maximum penalty:*

- (a) *in the case of an individual—5,000 penalty units or imprisonment for 2 years, or both, and*
- (b) *in the case of a corporation—10,000 penalty units.*

- (5) *The offences under subsections (2) and (4) are offences of strict liability and the defence of honest and reasonable mistake of fact applies.*

- (6) *Subsections (1) and (2) do not apply with respect to an Aboriginal object that is dealt with in accordance with section 85A.*

- (7) *A single prosecution for an offence under subsection (1) or (2) may relate to a single Aboriginal object or a group of Aboriginal objects.*

- (8) *If, in proceedings for an offence under subsection (1), the court is satisfied that, at the time the accused harmed the Aboriginal object concerned, the accused*

*did not know that the object was an Aboriginal object, the court may find an offence proved under subsection (2).*

### 2.2.2 Environmental Planning & Assessment Act 1979

The *Environmental Planning and Assessment Act 1979 (EP&A Act)* states that environmental impacts of proposed developments must be considered in land use planning procedures. Four parts of this act relate to Aboriginal cultural heritage.

- Part 3, divisions 3, 4 and 4A refer to Regional Environmental Plans (REP) and Local Environmental Plans (LEP) which are environmental planning instruments and call for the assessment of Aboriginal heritage among other requirements.
- Part 4 determines what developments require consent and what developments do not require consent. Section 79C calls for the evaluation of

*The likely impacts of that development, including environmental impacts on both the natural and built environments and the social and economic impacts in the locality (NSW Government 1979).*

- Part 5 of this Act requires that impacts on a locality which may have an impact on the aesthetic, anthropological, architectural, cultural, historic, scientific, recreational or scenic value are considered as part of the development application process (NSW Government, 1979).

### 2.2.3 The Aboriginal Land Rights Act 1983

The NSW *Aboriginal Land Rights Act 1983 (ALR Act)*, administered by the NSW Department of Aboriginal Affairs, established the NSW Aboriginal Land Council (NSWALC) and Local Aboriginal Land Councils (LALCs). The ALR Act requires these bodies to:

- take action to protect the culture and heritage of Aboriginal persons in the council's area, subject to any other law;
- promote awareness in the community of the culture and heritage of Aboriginal persons in the council's area.

These requirements recognise and acknowledge the statutory role and responsibilities of New South Wales Aboriginal Land Council and Local Aboriginal Land Councils. The ALR Act also establishes the Office of the Registrar whose functions include but are not limited to, maintaining the Register of Aboriginal Land Claims and the Register of Aboriginal Owners.

Under the ALR Act the Office of the Registrar is to give priority to the entry in the Register of the names of Aboriginal persons who have a cultural association with:

- lands listed in Schedule 14 to the NPW Act;
- lands to which section 36A of the ALR Act applies (NSW Government, 1974 & DECCW 2010).

### 2.2.4 The Native Title Act 1993

The *Native Title Act 1993 (NTA)* provides the legislative framework to:

- recognise and protect native title;
- establish ways in which future dealings affecting native title may proceed, and to set standards for those dealings, including providing certain procedural rights for registered native title claimants and native title holders in relation to acts which affect native title;

- establish a mechanism for determining claims to native title;
- provide for, or permit, the validation of past acts invalidated because of the existence of native title.

The National Native Title Tribunal has a number of functions under the NTA including maintaining the Register of Native Title Claims, the National Native Title Register and the Register of Indigenous Land Use Agreements and mediating native title claims (NSW Government, 1974 & DECCW 2010).

### **2.2.5 New South Wales Heritage Register and Inventory 1999**

The State Heritage Register is a list of places and objects of particular importance to the people of NSW. The register lists a diverse range of over 1,500 items, in both private and public ownership. Places can be nominated by any person to be considered to be listed on the Heritage register. To be placed an item must be significant for the whole of NSW. The State Heritage Inventory lists items that are listed in local council's local environmental plan (LEP) or in a regional environmental plan (REP) and are of local significance.

### **2.2.6 Register of Declared Aboriginal Places 1999**

The NPW Act protects areas of land that have recognised values of significance to Aboriginal people. These areas may or may not contain Aboriginal objects (i.e. any physical evidence of Aboriginal occupation or use). Places can be nominated by any person to be considered for Aboriginal Place gazettal. Once nominated, a recommendation can be made to EPA/OEH for consideration by the Minister. The Minister declares an area to be an 'Aboriginal place' if the Minister believes that the place is or was of special significance to Aboriginal culture. An area can have spiritual, natural resource usage, historical, social, educational or other type of significance.

Under section 86 of the NPW Act it is an offence to harm or desecrate a declared Aboriginal place. Harm includes destroying, defacing or damaging an Aboriginal place. The potential impacts of the development on an Aboriginal place must be assessed if the development will be in the vicinity of an Aboriginal place (DECCW 2010).

## **2.3 LOCAL PLANNING INSTRUMENTS**

### **2.3.1 Newcastle Local Environmental Plan 2012**

The Newcastle Local Environmental Plan was prepared by Newcastle City Council in 2012. Section 5.10 deals with Heritage Conservation. The plan states in Clause 1:

The objectives of this clause are as follows:

- (a) to conserve the environmental heritage of Newcastle,
- (b) to conserve the heritage significance of heritage items and heritage conservation areas, including associated fabric, settings and views,
- (c) to conserve archaeological sites, and
- (d) to conserve Aboriginal objects and Aboriginal places of heritage significance.

It is subsections c and d of this clause which are of relevance to this development.

The plan states in Clause 2, that consent is required when:

- (a) demolishing or moving any of the following or altering the exterior of any of the following (including, in the case of a building, making changes to its detail, fabric, finish or appearance):
  - (i) a heritage item,
  - (ii) an Aboriginal object,
  - (iii) a building, work, relic or tree within a heritage conservation area.
- (b) altering a heritage item that is a building by making structural changes to its interior or by making changes to anything inside the item that is specified in Schedule 5 in relation to the item.
- (c) disturbing or excavating an archaeological site while knowing, or having reasonable cause to suspect, that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed,
- (d) disturbing or excavating an Aboriginal place of heritage significance.
- (e) erecting a building on land:
  - (i) on which a heritage item is located or that is within a heritage conservation area, or;
  - (ii) on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance.
- (f) subdividing land:
  - (i) on which a heritage item is located or that is within a heritage conservation area, or;
  - (ii) on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance.

In addition to this Clause 8 states:

The consent authority must, before granting consent under this clause to the carrying out of development in an Aboriginal place of heritage significance:

- (a) consider the effect of the proposed development on the heritage significance of the place and any Aboriginal object known or reasonably likely to be located at the place by means of an adequate investigation and assessment (which may involve consideration of a heritage impact statement), and
- (b) notify the local Aboriginal communities, in writing or in such other manner as may be appropriate, about the application and take into consideration.

This report is fulfilling section 8 (a) of this clause.

### **2.3.2 Newcastle Development Control Plan 2012**

The Newcastle DCP states that:

Where a development will disturb the ground surface, provide documentation to satisfy the consent authority that the due diligence process has been followed. The documentation should include (but is not limited to) the following:

- A statement indicating the results of the AHIMS database search and any other sources of information considered.
- A statement indicating whether there are landscape features that indicate the presence of Aboriginal objects.

- A statement indicating whether the proposed development is likely to harm Aboriginal objects.
- A statement indicating whether an Aboriginal Heritage Impact Permit (AHIP) is required.
- Where required, prepare an Aboriginal cultural heritage assessment to assess the impact of the proposed development on Aboriginal cultural heritage consistent with the Office of Environment and Heritage *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW*.
- Where required, prepare an Aboriginal cultural heritage assessment report consistent with the Office of Environment and Heritage *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* that includes strategies to avoid or minimise harm to Aboriginal objects and places of cultural significance.
- Where the investigation and assessment requires the preparation of an Aboriginal cultural heritage assessment report, provide documentation to satisfy the consent authority that the relevant Aboriginal community and stakeholders have been involved in the decision-making process.

### **2.3.3 Newcastle Archaeological Management Plan**

Suters Architects and Planners, in association with Lavelle, C and M.J. Doring Pty Ltd and Turner, created an Archaeological Management Plan for Newcastle City Council in 1997, regarding potential archaeological sites in Newcastle. This plan does not refer to Aboriginal Archaeology.

## **2.4 DUE DILIGENCE CODE OF PRACTICE FOR THE PROTECTION OF ABORIGINAL OBJECTS IN NEW SOUTH WALES**

This assessment conforms to the parameters set out in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974*, (DECCW 2010).

*The Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales* states that if;

- a desktop assessment and visual inspection confirm that there are Aboriginal objects or that they are likely, then further archaeological investigation and impact assessment is necessary.

## **2.5 CODE OF PRACTICE FOR ARCHAEOLOGICAL INVESTIGATION OF ABORIGINAL OBJECTS IN NSW**

Any further work resulting from recommendations should be carried out conforming to the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974*, (DECCW 2010).

## **2.6 GUIDELINES**

This report has been carried out in consultation with the following documents which advocate best practice in New South Wales:

- Aboriginal Archaeological Survey, Guidelines for Archaeological Survey Reporting (NSW NPWS 1998);

- Aboriginal Cultural Heritage Standards and Guidelines Kit (NPWS 1998);
- Australia ICOMOS 'Burra' Charter for the conservation of culturally significant places (Australia ICOMOS 1999);
- Part 6; National Parks and Wildlife Act Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010);
- Protecting Local Heritage Places: A Guide for Communities (Australian Heritage Commission 1999).

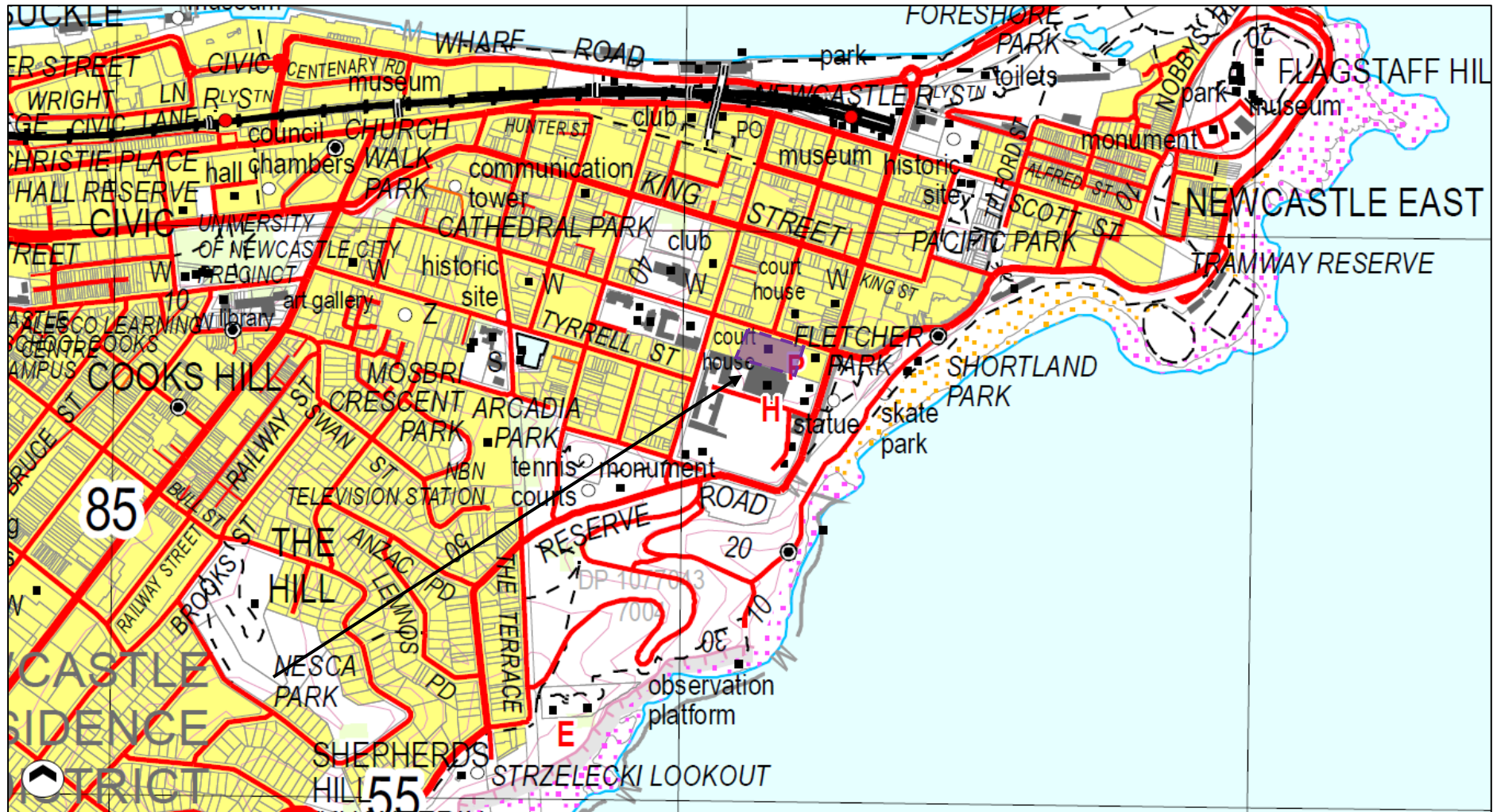
The project site is that piece of land described as Lot 1 of the Land and Property Information, Deposited Plan 1199904, forming the following street address 9 Church Street, Newcastle in the Parish of Newcastle, County of Northumberland (Figure 3.1 – Figure 3.2).

### 3.1 REGISTERED ABORIGINAL SITES NEAR THE AREA

[illegible]

**Archaeological Management and Consulting Group  
& Streat Archaeological Services Pty Ltd  
July 2019**





**Figure 3.2** Topographic map with site location.

Study area indicated in purple fill and black arrow. Six Maps, LPI Online (accessed 13<sup>th</sup> February 2019).

## 3.2 ENVIRONMENTAL CONTEXT

To adequately understand and assess the potential Aboriginal archaeological resource that may be present within the study area it is vital to understand the environment in which the Aboriginal inhabitants of the study area carried out their activities. The environment that Aboriginal inhabitants lived in is a dominant factor in shaping their activity and therefore the archaeological evidence created by this activity. Not only will the resources available to the Aboriginal population have an influence on the evidence created but the survival of said evidence will also be influenced by the environment.

### 3.2.1 Topography

The study area lies on a sloping landform towards the Hunter River. The study area extends over one topographic zone which consists of rolling low hills (slope 3-20%) on sediments of the Newcastle Coal Measures of the Awaba Hills region. The average elevation ranging between 50-160m. This topographic zone is located on the Killingworth (ki) soil landscape where drainage plains are long (>500m) and gently inclined (Matthei 1995)



**Figure 3.3 Newcastle Soil Landscape Sheet Map 1:100 000.**  
Approximate location of study area indicated in red circle. Matthei (1995).

### 3.2.2 Geology and Soils

The soil landscape map for the Newcastle 1:100 000 map sheet shows the majority of the study area lies within the Killingworth (ki) soil landscape.

The geology of the study area is on Permian Newcastle Coal Measures consisting of coal, tuff, conglomerate, sandstone and shale. Sediment depth is up to 38 m, comprising 1 – 3 m of sand which is underlain by stiff estuarine clay.



Table 3.1 Description of dominant soil material

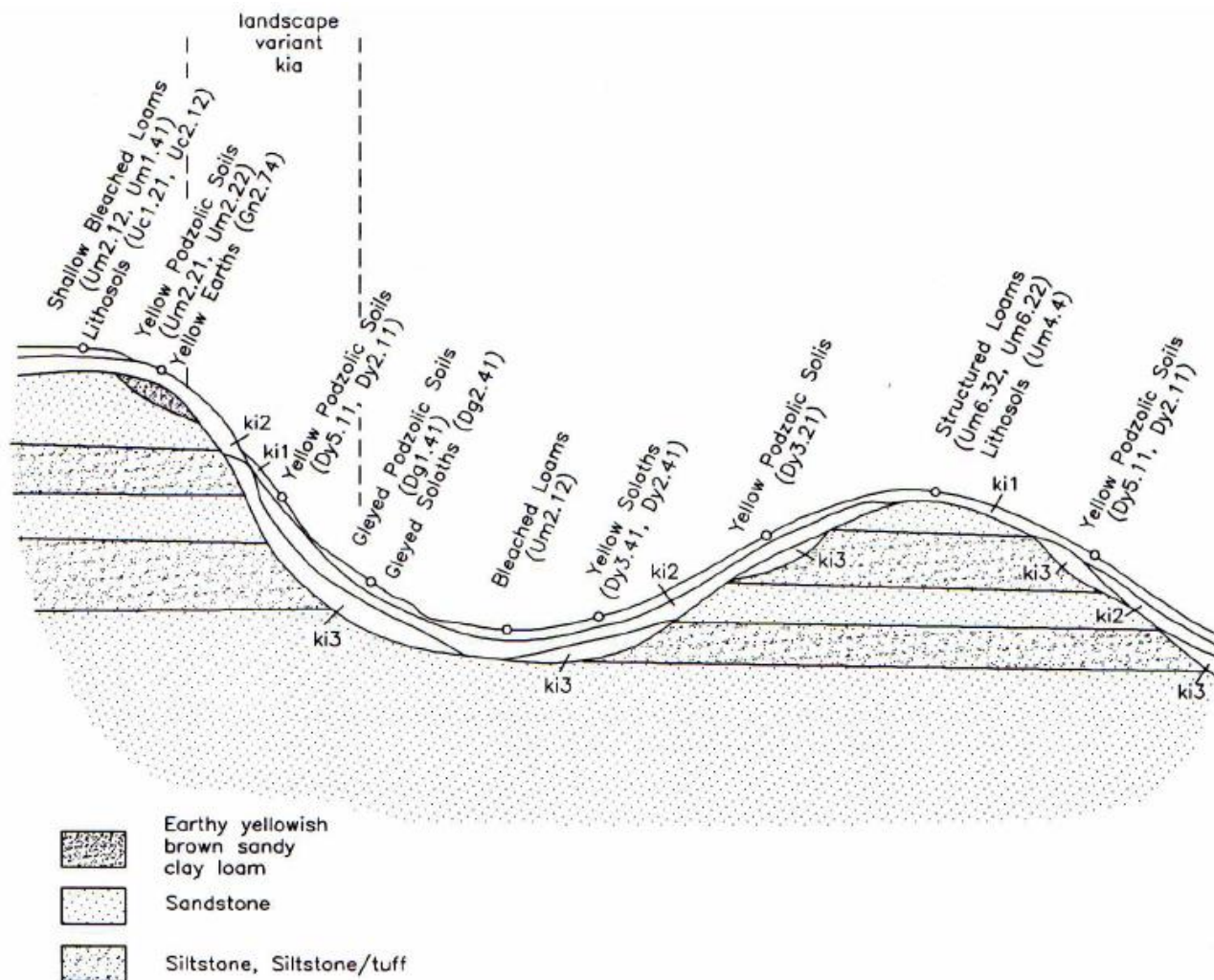
Dominant Soil Material	Soil Horizon	Description
Ki1	A1 Horizon	Brownish black pedal loam with sandy loam or silt loam texture with a weak-moderate structure and a porous fabric. Slightly acidic, few charcoal fragments and ironstone occur. Roots are common near the surface and rare at depth
Ki2	A2 Horizon	Bleached Hardsetting loamy sand to sandy clay loam - dull yellow orange to greyish yellow sand, massive structure with angular peds. Strongly to slightly acidic, stones and charcoal are few. Roots are common near the surface and rare at depth.
Ki3	B Horizon	Yellowish brown clay to dull yellow brown/ orange with small orange red mottles. Strong angular ped structure which is strongly – slightly acidic. Few siltstone, sandstone or ironstone fragments occur with roots rare/ absent.

### 3.2.3 Watercourse

The study area lies in a resource zone in which reliable fresh water was present. Much of the study area is covered by very well drained soil profiles, however, reliable fresh water was available from Cottage Creek and Hunter River, which is on the immediate western edge of the study area. The study area is on the immediate coastal fringe where enormous food resources were available. As such this area has been identified as of being of high archaeological potential.

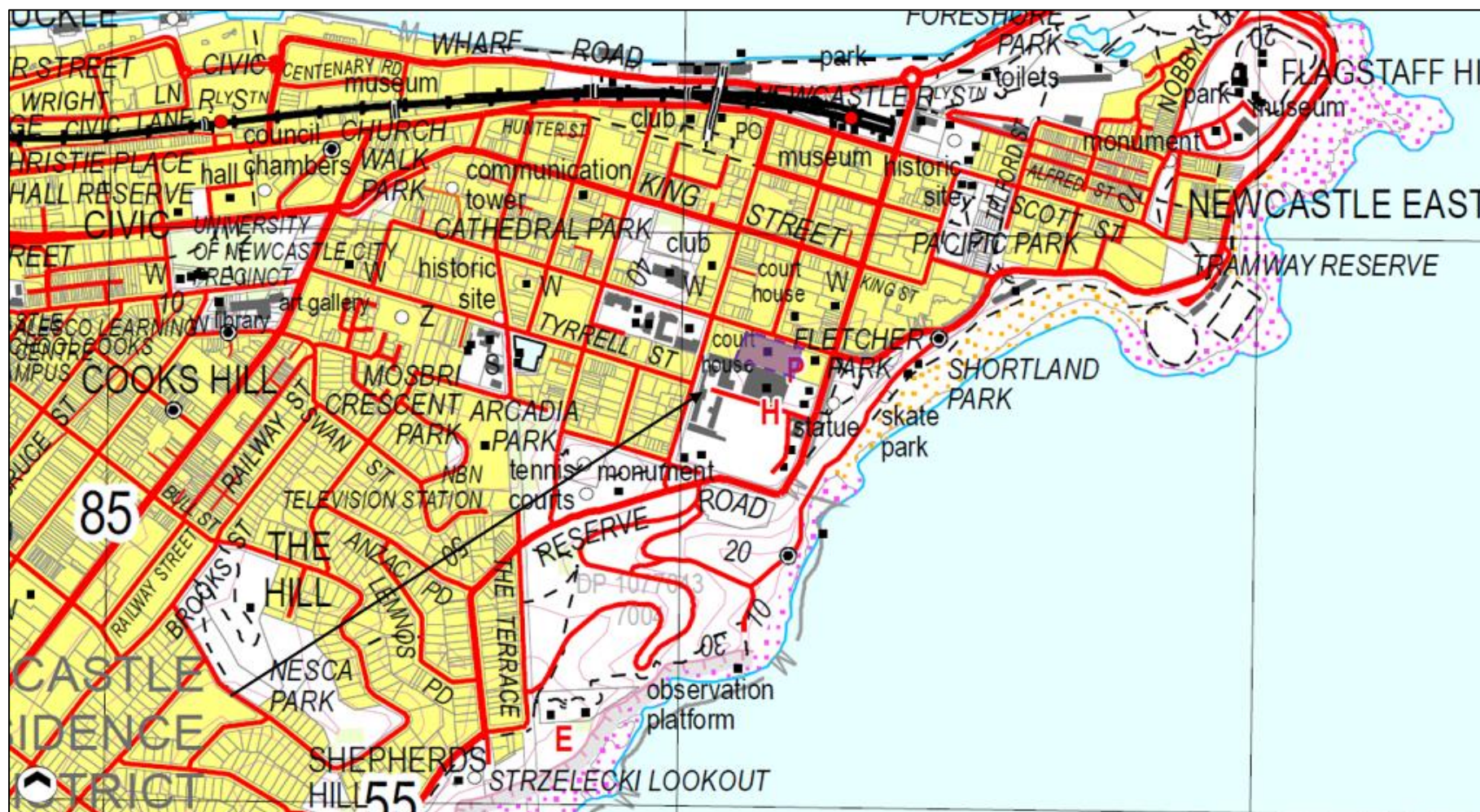
### 3.2.4 Vegetation

All the natural vegetation has been cleared from the study area for urban development. Species that may have occupied the site include *Casuarina cunninghamiana* 'River Sheoak' along the banks of the Hunter River and Cottage Creek. *Casuarina glauca* 'Swamp Sheoak', *Eucalyptus robusta* 'Swamp Mahogany', *Melaleuca quinquenervia* 'Broad-Leaved Paperbark', *Eucalyptus grandis* 'Flooded Gum' and *Waterhousea floribunda* 'Weeping Lilly Pilly' (Matthei 1995, p. 38).



**Figure 3.4** Cross Section of soil landscape illustrating relationships between landscape features and dominant soil materials.  
Soil Landscapes of the Newcastle 1:100 000 sheet report. Matthei (1995)





**Figure 3.5** Topographic map indicating watercourses in blue.  
Study area indicated in purple fill and black arrow. Six Maps, LPI Online (Accessed 13<sup>th</sup> February 2019)

### 3.3 LAND USE AND DISTURBANCE FACTORS

This section of the report provides an assessment of land use, the level of disturbance and the likely archaeological potential of the study area. The archaeological potential is based on the level of previous disturbance as well as the previously discussed predictive model for the region.

The Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010); defines disturbed lands as given below.

*“Land is disturbed if it has been the subject of a human activity that has changed the land’s surface, these being changes that remain clear and observable. Examples include ploughing, construction of rural infrastructure (such as dams and fences), construction of roads, trails and tracks (including fire trails and tracks and walking tracks), clearing vegetation, construction of buildings and the erection of other structures, construction or installation of utilities and other similar services (such as above or below ground electrical infrastructure, water or sewerage pipelines, stormwater drainage and other similar infrastructure and construction of earthworks)”*

This definition is based on the types of disturbance as classified in The Australian Soil and Land Survey Field Handbook (CSIRO 2010). The following is a scale formulated by CSIRO (2010) of the levels of disturbances and their classification.

Minor Disturbance		Moderate Disturbance		Major Disturbance	
0	No effective disturbance; natural	3	Extensive clearing (e.g.: poisoning and ringbarking)	6	Cultivation; grain fed
1	No effective disturbance other than grazing by hoofed animals	4	Complete clearing; pasture native or improved, but never cultivated	7	Cultivation; irrigated, past or present
2	Limited clearing (e.g.: selected logging)	5	Complete clearing; pasture native or improved, cultivated at some stage	8	Highly disturbed (quarrying, road works, mining, landfill, urban)

N.B The above scale is used in determining the level of disturbance of the study area and its impact on the potential archaeology which may be present.

It is important to note that the following assessments describe the *archaeological* potential of the study area. It is acknowledged if the study area has little or no archaeological potential the study area may still have cultural significance to the Aboriginal community.

### 3.3.1 Aboriginal Land Use and Resources

The study area lies in a resource zone in which reliable fresh water was available from Cottage Creek which is on the immediate western edge of the study area. The study area was on the immediate coastal fringe where enormous food resources were available.

Sites containing fresh water and sedentary food sources, coupled with the presence of other resources which may have been exploited or available on a seasonal basis, would suggest that Aboriginal land use of the study area was regular and repeated, with this reflected in the archaeological record.

Concentrated and repeated occupation may be represented in areas that have reliable access to water and foods sources. These areas will possess a high archaeological potential (Goodwin 1999). Newcastle's coastline and the Hunter River provided a rich dietary intake for the local inhabitants in which estuarine and marine resources could be exploited. Coastal populations depended heavily on marine resources such as fish and shellfish but were not limited to such diets as cabbage palms and bracken fern roots were also included (Dyall 1971). During some of the early explorations of the area there are accounts regarding the density of shell middens found along the Hunter River

*"These are four feet deep, without either sand or earth."* (cited, Dallas 2004).

Farming practices were also utilised in the form of land clearing. This was conducted through the burning of grasslands in order to encourage new growth which attracted local game. It is likely that these activities would result in repeated occupation as do ritualistic activities which take place within specific sacred places.

The procurement of specific resources for ritualistic or domestic purposes would rely on the accessibility and availability of these resources. There are readily mapped resources within the region that may have been exploited by Aboriginal occupants and more were present before the land was cleared and settled.

The Lower Hunter River was found to be the dividing boundary between the Worimi people who occupied the northern side of the river and the Awabakal who occupied the southern side (AHMS 2001). Repeated occupation by both groups indicates the area to have been a resource rich zone, one where natural landforms provide a common landmark.

The traditional life of the Aboriginal population of the Newcastle area was seen to remain despite European settlement and the impact of European culture. This is reflected in the historical documentation of the area and illustrations by Joseph Lycett in which the cultural activities of local Indigenous people are depicted. One of the key ethnohistoric sources was Reverend Lancelot Threlkeld. Threlkeld, took an interest in the language and culture of the Awabakal people. He established a missionary at Belmont and later at Toronto, where many local Indigenous stayed. He wrote about the various encounters he had with the local Indigenous including the stories which they spoke of, some of which referred to ceremonial events and sacred places (Umwelt 2014).

Through to the later 1830s, there are accounts of ongoing interactions between Aboriginal and non-Aboriginal people in the Newcastle settlement, as the employment



of Aboriginal people in Newcastle grew. Jobs such as fishing, carriers, and servants were undertaken by local Indigenous in return for European items such as, blankets and corn (Turner 1997). Influenza and diseases spread through the population, however, it was not seen to have affected the Hunter region as much as, the Sydney based Indigenous populations. However, inevitably the continued expansion of the settlement and the selling off of land when free settlement was introduced, led to the marginalization of Aboriginal people.

### 3.3.2 European Land Use

Background research indicates that past European land use has led to the clearing of the land. Deep excavations have been undertaken on the site with the standing buildings being three storeys with underground carparking facilities as well as associated services. The courthouse was completed in 1892 of which the land has undergone repair works and modifications over time. The rear of the property has been paved with overgrown vegetation in the western corner. No native vegetation remains.

### 3.3.3 Disturbance and Archaeological Potential

*It is important to note that the following assessments describe the archaeological potential of the study area. It is acknowledged that if the study area has little or no archaeological potential, the study area may still have cultural significance to the Aboriginal community.*

Onsite inspections and research suggest the presence of some original soil profile being intact and parts of the study area have low - moderate potential to contain *in situ* Aboriginal objects and/or areas of archaeological potential.

In light of this and in the context of the information provided about the land use of the site, its proximity to major tributaries, the following has been predicted;

**Moderate/ High disturbance to sections of the landscape:** Sub-surface Aboriginal objects with potential conservation value have a low- moderate probability of being present within the study area –most likely towards the rear of the property.

The soil landscape of the area exhibits a deep profile indicating the potential for intact soils to be present. The foundations of carparking facilities of both the annex buildings to the courthouse are considered areas of high disturbance due to the extent of excavation and expected foundations. However, previous excavation within the Newcastle CBD and surrounds (AMAC 2014, Umwelt 2018 and AMAC 2019) have indicated that despite significant disturbance Aboriginal archaeological deposits (intact or disturbed) and objects may still be present. Test excavation has been recommended in order to ascertain the nature and extent of the soil profile including any potential significant sand bodies.

Aboriginal people of the region and throughout Australia do not differentiate between disturbed and undisturbed relics and all said material holds cultural significance, as such the presence or absence of Aboriginal archaeological and cultural material needs to be established as does the level of disturbance. This can only occur through consultation and test excavation.

## 4.0 ABORIGINAL CONSULTATION

This section documents the requirements of the Aboriginal consultation process that should be undertaken as part of any Aboriginal archaeological and cultural heritage assessment where an Aboriginal Heritage Impact Permit (AHIP) or test excavation is required. Section 4.1 outlines the guidelines for Aboriginal consultation issued by the DECCW. Section 4.2 documents the steps taken for this Aboriginal cultural assessment and the outcomes of the consultation.

### 4.1 OEH CONSULTATION REQUIREMENTS

Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW 2010), referring to Part 6 Approvals under the NPW Act were released in April 2010. The responsibilities of the proponent when test excavation is to take place and/or permit under section 90 of the NPW Act are listed below.

<http://www.environment.nsw.gov.au/resources/cultureheritage/commconsultation/09781ACHconsultreq.pdf>

#### Stage 1 – Notification of project proposal and registration of interest

Stage 1 states that:

*4.1.2- Proponents are responsible for ascertaining, from reasonable sources of information, the names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places. Reasonable sources of information could include (a) to (g) below. Proponents must compile a list of Aboriginal people who may have an interest for the proposed project area and hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places by writing to:*

- (a) the relevant DECCW (sic) EPRG regional office*
- (b) the relevant Local Aboriginal Land Council(s)*
- (c) the Registrar, Aboriginal Land Rights Act 1983 for a list of Aboriginal owners*
- (d) the National Native Title Tribunal for a list of registered native title claimants, native title holders and registered Indigenous Land Use Agreements*
- (e) Native Title Services Corporation Limited (NTSCORP Limited)*
- (f) the relevant local council(s)*
- (g) the relevant catchment management authorities for contact details of any established Aboriginal reference group.*

*4.1.3- Proponents must write to the Aboriginal people whose names were obtained in step 4.1.2 and the relevant Local Aboriginal Land Council(s) to notify them of the proposed project. The proponent must also place a notice in the local newspaper circulating in the general location of the proposed project explaining the project and its exact location. The notification by letter and in the newspaper, must include:*

- (a) the name and contact details of the proponent*
- (b) a brief overview of the proposed project that may be the subject of an application for an AHIP, including the location of the proposed project*

- (c) a statement that the purpose of community consultation with Aboriginal people is to assist the proposed applicant in the preparation of an application for an AHIP and to assist the Director General of DECCW in his or her consideration and determination of the application*
- (d) an invitation for Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) in the area of the proposed project to register an interest in a process of community consultation with the proposed applicant regarding the proposed activity*
- (e) a closing date for the registration of interests.*

*4.1.4- There must be a minimum of 14 days from the date the letter was sent, or notice published in the newspaper to register an interest. The time allowed to register an interest should reflect the project's size and complexity.*

*4.1.5- The proponent must advise Aboriginal people who are registering an interest that their details will be forwarded to DECCW and the Local Aboriginal Land Council (LALC) unless they specify that they do not want their details released.*

*4.1.6- The proponent must make a record of the names of each Aboriginal person who registered an interest and provide a copy of that record, along with a copy of the notification from 4.1.3 to the relevant DECCW EPRG regional office and LALC within 28 days from the closing date for registering an interest.*

*4.1.7- LALCs holding cultural knowledge relevant to determining the significance of Aboriginal objects and places in the proposed project area who wish to register an interest to be involved in consultation must register their interest as an Aboriginal organisation rather than as individuals.*

*4.1.8- Where an Aboriginal organisation representing Aboriginal people who hold cultural knowledge has registered an interest, a contact person for that organisation must be nominated. Aboriginal cultural knowledge holders who have registered an interest may indicate to the proponent they have appointed a representative to act on their behalf. Where this occurs, the registered Aboriginal party must provide written confirmation and contact details of those individuals to act on their behalf.*

## **Stage 2 – Presentation of information about the proposed project**

Stage 2 states that:

*4.2.1- The proponent must initiate arrangements for presenting the proposed project information to the registered Aboriginal parties (from Stage 1).*

*4.2.2- The presentation of proposed project information should provide the opportunity for:*

- (a) the proponent to present the proposal, outline project details relevant to the nature, scope, methodology and environmental and other impacts*
- (b) the proponent to outline the impact assessment process including the input points into the investigation and assessment activities*
- (c) the proponent to specify critical timelines and milestones for the completion of assessment activities and delivery of reports*
- (d) the proponent and registered Aboriginal parties to clearly define agreed roles, functions and responsibilities*

- (f) the registered Aboriginal parties to identify raise and discuss their cultural concerns, perspectives and assessment requirements (if any).*

*4.2.3- The proponent should record or document that the proposed project information has been presented. This record or documentation should include any agreed outcomes, and any contentious issues that may require further discussion to establish mutual resolution (where applicable). The proponent should provide a copy of this record or documentation to registered Aboriginal parties.*

*4.2.4- Depending on the nature, scale and complexity of the proponent's project, it may be reasonable and necessary for the proponent to:*

- (a) conduct additional project information sessions to ensure that all necessary information about the project is provided and enable registered Aboriginal parties to provide information about the cultural significance of Aboriginal object(s) and/or place(s) that may be present on the proposed project area*
- (b) create the opportunity for registered Aboriginal parties to visit the project site" (DECCW 2010).*

### **Stage 3 – Drafting, review and finalisation of the Cultural Heritage Assessment Report**

Stage 3 states that:

*4.3.1- The proponent must present and/or provide the proposed methodology(s) for the cultural heritage assessment to the registered Aboriginal parties.*

*4.3.2- The registered Aboriginal parties must be given the opportunity to review and provide feedback to the proponent within a minimum of 28 days of the proponent providing the methodology. The review should identify any protocols that the registered Aboriginal parties wish to be adopted into the information gathering process and assessment methodology and any matters such as issues/areas of cultural significance that might affect, inform or refine the assessment methodology. Comments should be provided in writing or may be sought verbally by the proponent and accurately recorded.*

*4.3.3- As part of this consultation, the proponent must also seek cultural information from registered Aboriginal parties to identify:*

- (a) whether there are any Aboriginal objects of cultural value to Aboriginal people in the area of the proposed project*
- (b) whether there are any places of cultural value to Aboriginal people in the area of the proposed project (whether they are Aboriginal places declared under s.84 of the NPW Act or not). This will include places of social, spiritual and cultural value, historic places with cultural significance, and potential places/areas of historic, social, spiritual and/or cultural significance.*

*4.3.4- Some information obtained from registered Aboriginal parties may be sensitive or have restricted public access. The proponent must, in consultation with registered Aboriginal parties, develop and implement appropriate protocols for sourcing and holding cultural information. In some cases, the sensitive information may be provided to the proponent by an individual and the proponent should not share that information with all registered Aboriginal parties or others without the express permission of the individual.*

*4.3.5- Information obtained in 4.3.4 is used to understand the context and values of Aboriginal object(s) and/or place(s) located on the proposed project site. This information*

*must be integrated with the scientific (archaeological) assessment of significance. Together the context, values, and scientific assessment provide the basis for assessing Aboriginal heritage values and recommending management options.*

*The information collected by the proponent during the consultation process must be used only to inform decision making for any application for an AHIP, unless the registered Aboriginal parties agree otherwise.*

*4.3.6- The proponent must seek the views of registered Aboriginal parties on potential management options. Management options will include ways to avoid or mitigate harm and/or conserve known Aboriginal object(s) and/or place(s). Management options should consider how Aboriginal people can continue their association with identified Aboriginal heritage values.*

*4.3.7- The proponent must document all feedback received in Stage 3 from registered Aboriginal parties in the final cultural heritage assessment report. This must include copies of any submissions received and the proponent's response to the issues raised. In some cases, this may require an acknowledgment of sensitive information and a list of Aboriginal people who should be contacted for permission to receive further details" (DECCW 2010).*

#### **Stage 4 – Review of draft cultural heritage assessment report.**

Stage 4 states that:

*4.4.1- The proponent must prepare a draft cultural heritage assessment report.*

*4.4.2- The proponent must provide a copy of the draft cultural heritage assessment report to registered Aboriginal parties for their review and comment.*

*4.4.3- The proponent must give registered Aboriginal parties a minimum of 28 days from sending the draft report to make submissions. The time allowed for comment on the draft report should reflect the project's size and complexity. Comments should be provided in writing or, where provided verbally, accurately recorded.*

*4.4.4- After considering the comments received on the draft report the proponent must finalise the report. The final report must include copies of any submissions received, including submissions on the proposed methodology and on the draft report. The final report must also include the proponent's response to each submission. The report must then be submitted to DECCW for consideration with the proponent's application for an AHIP.*

*4.4.5- The proponent must provide or make available copies of the final cultural heritage assessment report and the AHIP application to registered Aboriginal parties and the relevant LALC(s) (whether or not the LALC is registered in Stage 1). The report and application must be provided or made available within 14 days of the AHIP application being made" (DECCW 2010).*

## **4.2 CONSULTATION SUMMARY**

Consultation for this report has been undertaken in accordance with the Office of Environment and Heritage and National Parks and Wildlife Act 1974: Part 6; National Parks and Wildlife Act *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010).

All registered stakeholders were given a copy of a proposed Aboriginal Cultural Heritage research methodology and given 28 days to respond to this document.

All registered stakeholders were given a copy of this Aboriginal Cultural Heritage Assessment. All registered parties have had the opportunity to review and comment on this document. A final Aboriginal stakeholder approved version of this report shall be issued at the close of the mandatory 28-day period (should any changes be required as a result of the exhibition process or Aboriginal stakeholder comment they will be included at this stage). All comments have been included in this report. The following consultation summary has been provided.

Table 4.1 Consultation Summary

STAGE 1						
Authority Letters & Advertisement						
Authority Body/ Organisation	Contact Person	Contact Details	Date Sent	Method	Response Received	Date
Newcastle City Council	Heritage Officer	Po Box 489, Newcastle NSW 2300	8/02/2019	Mail	Yes - email	19/02/2019
Hunter Local Land Services	Heritage Officer	816 Tocal Rd, Paterson NSW 2421	8/02/2019	Mail		
Awabakal Local Aboriginal Land Council	Heritage Officer	127 Maitland Rd, Islington NSW 2296	8/02/2019	Mail		
NSW Native Title Services	Heritage Officer	PO BOX 2105, Strawberry Hills 2012	8/02/2019	Mail		
NNTT	Heritage Officer	GPO Box 9973, Sydney 2001	8/02/2019	Mail		
NTSCORP	Heritage Officer	PO BOX 2105, Strawberry Hills 2012	8/02/2019	Mail		
OEH	Archaeologist	Locked Bag 1002, Newcastle 2309	8/02/2019	Mail	Yes - email	25/02/2019
Office of Registrar	Heritage Officer	PO BOX 112, Glebe 2037	8/02/2019	Mail	Yes - email	19/02/2019
Newspaper Advertisement:	Newcastle Herald	<a href="http://Advertisers.com.au">Advertisers.com.au</a>	11/02/2019	Email	Date printed: 12/02/19	End Period: 26/02/19
Stakeholders Contacted						
Minimum 14 days to register (7/02/2019) - (21/02/2019)						
Name/Organisation	Contact Person	Contact Details	Date Sent	Method	Notes	
A1 Indigenous Services	Ann Hickey	10 Marie Pitt Place, Glenmore Park NSW 2745	8/02/2019	Mail		
Awabakal LALC	Heritage Officer	127 Maitland Rd, Islington NSW 2296	8/02/2019	Mail		
AGA Services	Ashley Sampson	22 Ibis Parade, Woodberry NSW 2322	8/02/2019	Mail		
Aliera French Trading	Aliera French	17 Kalinda St. Blacksmiths NSW 2281	8/02/2019	Mail		
Arwarbukarl Cultural Resource Assoc.	Darren McKenny	840 Hunter St, Newcastle West NSW 2302	8/02/2019	Mail		
Awabakal Descendants Traditional Owners	Pete Leven	PO Box 137 Budgewoi NSW 2262	8/02/2019	Mail		
Lower Hunter Aboriginal Incorporated	David Ahoy	5 Killara Dr, Cardiff South NSW 2285	8/02/2019	Mail		
Guringai Tribal Link Aboriginal Corp.	Tracey Howie	PO BOX 4061, Wyongah NSW 2259	8/02/2019	Mail		
Awabakal Traditional Owners Aboriginal Corp.	Kerrie Brauer	PO BOX 122, Rutherford NSW 2320	8/02/2019	Mail		
Cacatua Culture Consultants	Donna & George Sampson	22 Ibis Parade, Woodberry NSW 2322	8/02/2019	Mail		
Crimson-Rosie	Jeffery Matthews	6 Eucalypt Ave, Muswellbrook NSW 2333	8/02/2019	Mail		
DFTV Enterprises	Derrick Vale Snr	5 Mountbatten Cl, Rutherford NSW 2320	8/02/2019	Mail		
Deslee Talbott Consultants	Deslee Matthews	Unit 2/19 South St, Gunnedah NSW 2380	8/02/2019	Mail		
Divine Diggers Aboriginal Cultural Consultants	Deidre Perkins	6 Ashleigh St, Heddon Greta NSW 2321	8/02/2019	Mail		



Gidawaa Walang & Barkuma Neighbourhood Centre Inc	Craig Horne	76 Lang St, Kurri Kurri NSW 2327	8/02/2019	Mail	
Didge Ngunawal Clan	Paul Boyd	7 Siskin St, Quakers Hill NSW 2763	8/02/2019	Mail	
B-H Heritage Consultants	Nola, Darren, & Ralph Hampton	95 Mt. Ettalong Rd. Umina Beach NSW 2257	8/02/2019	Mail	
Hunter Valley Cultural Surveying	Luke Hickey	165 Susan St. Scone NSW 2337	8/02/2019	Mail	
Indigenous Learning	Craig Archibald	2 Victoria St. Bellbird Heights NSW 2325	8/02/2019	Mail	
Jarban & Mugrebea	Les Atkinson	11 Nelson St. Cessnock NSW 2325	8/02/2019	Mail	
Jumbunna Traffic Management Group Pty Ltd	Norm Archibald	17 Flobern Ave. Wauchope NSW 2446	8/02/2019	Mail	
Kauma Pondee Inc.	Jill Green	Unit6/1 Central St. Lambton NSW 2305	8/02/2019	Mail	
Kawul Cultural Services	Vicky Slater	33 Gardner Circuit, Singleton NSW 2330	8/02/2019	Mail	
Kawul Pty Ltd	Arthur Fletcher	619 Main Rd. Glendale NSW 2285	8/02/2019	Mail	
Lower Hunter Wonnarua Cultural Services	Lea-Anne Ball & Uncle Tom Miller	51 Bowden St. Heddon Greta NSW 2321	8/02/2019	Mail	
Mindaribba LALC	CEO	1A Chelmsford Dr. Metford NSW 2323	8/02/2019	Mail	
Murra Bidgee Mullangari Aboriginal Corp.	Ryan Johnson	PO Box 246, Seven Hills NSW 2147	8/02/2019	Mail	
Mur-Roo-Ma Inc.	Anthony Anderson	7 Vardon Rd. Fern Bay NSW 2295	8/02/2019	Mail	
Myland Cultural & Heritage Group	Warren Schillings	30 Taurus St. Elmore Vale NSW 2287	8/02/2019	Mail	
Nur-Run-Gee Pty Ltd	Leonard Anderson	22 Popplewell Rd. Fern Bay NSW 2295	8/02/2019	Mail	
Roger Matthews Consultancy	Roger Matthews	105 View St. Gunnedah NSW 2380	8/02/2019	Mail	
Wattaka Wonnarua CC Service	Des Hickey	4 Kennedy St. Singleton NSW 2330	8/02/2019	Mail	
Widescope Indigenous Group	Steven Hickey	73 Russell St. Emu Plains NSW 2750	8/02/2019	Mail	
Wonnarua Culture Heritage	Gordon Griffiths	19 O'Donnell Cr. Metford NSW 2323	8/02/2019	Mail	
Wonnarua Elders Council	Richard Edwards	PO Box 844, Cessnock NSW 2325	8/02/2019	Mail	
Worimi LALC	CEO	2163 Nelson Bay Rd. Williamtown NSW 2318	8/02/2019	Mail	
Worimi Traditional Owners Indigenous Corp	Candy Lee Towers	36 Avon St. Mayfield NSW 2304	8/02/2019	Mail	
Yarrawalk	Scott Franks	PO Box 76, Carringbah NSW 1495	8/02/2019	Mail	
Yinarr Cultural Services	Kathleen Steward Kinchela	Lot 5 Westwood Estate, Merriwa NSW 2329	8/02/2019	Mail	
Kevin Duncan	Kevin Duncan	95 Moala Parade, Charmhaven NSW 2262	8/02/2019	Mail	
Ron Smith	Ron Smith	8/19-21 Burrawan St. Port Macquarie NSW 2444	8/02/2019	Mail	
Steven Talbott	Steven Talbott	73 Kiah Rd. Gillieston Heights NSW 2321	8/02/2019	Mail	
Registered Organisations/Individuals	Contact Person	Email Address	Date	Method	Notes

Lower Hunter Aboriginal Inc.	David Ahoy	<a href="mailto:lowerhunterai@gmail.com">lowerhunterai@gmail.com</a>	12/02/2019	Verbal	
Awabakal LALC	Pete Townsend	<a href="mailto:culture@awabakallalc.com.au">culture@awabakallalc.com.au</a>	12/02/2019	Email	
Guringai Tribal Link Aboriginal Corp.	Tracey Howie	<a href="mailto:tracey@guringai.com.au">tracey@guringai.com.au</a>	12/02/2019	Verbal	
Awabakal Traditional Owners Aboriginal Corp.	Kerrie Brauer	<a href="mailto:kerrie@awabakal.com.au">kerrie@awabakal.com.au</a>	12/02/2019	Verbal	
Awabakal Descendants Traditional Owners	Pete Leven	<a href="mailto:peterleven@y7mail.com">peterleven@y7mail.com</a>	12/02/2019	Verbal	
Worimi Traditional Owners Corp.	Candy Towers	<a href="mailto:worimitoc@hotmail.com">worimitoc@hotmail.com</a>	14/02/2019	Email	
A1 Indigenous Services	Carolyn Hickey	<a href="mailto:cazadirect@live.com">cazadirect@live.com</a>	13/02/2019	Email	
Widescope Indigenous Group	Steven Hickey	<a href="mailto:widescope.group@live.com">widescope.group@live.com</a>	13/02/2019	Email	
Didge Ngunawal Clan	Lilly Carroll & Paul Boyd	<a href="mailto:didgengunawalcla@yahoo.com">didgengunawalcla@yahoo.com</a>	13/02/2019	Email	
Gidawaa Walang Cultural Heritage Consult.	Craig Horne	<a href="mailto:gidawaa.walang@hotmail.com">gidawaa.walang@hotmail.com</a>	14/02/2019	Email	
Merrigarn	Shaun Carroll	<a href="mailto:merrigarn@hotmail.com">merrigarn@hotmail.com</a>	15/02/2019	Email	
Lower Hunter Wonnarua Cultural Services	Tom Miller	<a href="mailto:tn.miller@southernphone.com.au">tn.miller@southernphone.com.au</a>	23/02/2019	Email	
Muragadi	Jesse Johnson	<a href="mailto:muragadi@yahoo.com">muragadi@yahoo.com</a>	15/02/2019	Email	
Murra Bidgee Mullangari Aboriginal Corp.	Ryan Johnson	<a href="mailto:murrabidgeemullangari@yahoo.com">murrabidgeemullangari@yahoo.com</a>	15/02/2019	Email	
Steve Talbott	Steve Talbott	<a href="mailto:talbo.minda@hotmail.com">talbo.minda@hotmail.com</a>	26/02/2019	Email	
Worimi ACS	Tamara Towers	<a href="mailto:worimiacs@gmail.com">worimiacs@gmail.com</a>	16/04/2019	Email	
<b>STAGE 2 &amp; 3</b>					
<b>ACHA Methodology (/Test Excavation Methodology)</b>		<b>Minimum 28 days to respond (22/03/2019) - (19/04/2019)</b>			
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes
All RAPS	AMAC Group/Steven J. Vasilakis	Dispatch ACHA Research Design & Methodology	22/03/2019	Email	
AMAC Group/Steven J. Vasilakis	A1 Indigenous Services/Carolyn Hickey	ACHA Research Design & Methodology Review	24/03/2019	Email	Supports ACHA & Methodology
AMAC Group/Steven J. Vasilakis	Merrigarn/Shaun Carroll	ACHA Research Design & Methodology Review	26/03/2019	Email	Supports ACHA & Methodology
AMAC Group/Steven J. Vasilakis	Muragadi/Jesse Johnson	ACHA Research Design & Methodology Review	26/03/2019	Email	Supports ACHA & Methodology
AMAC Group/Steven J. Vasilakis	Murra Bidgee/Ryan Johnson	ACHA Research Design & Methodology Review	3/04/2019	Email	Supports ACHA & Methodology
AMAC Group/Steven J. Vasilakis	Steve Talbott	ACHA Research Design & Methodology Review	4/04/2019	Email	Supports ACHA & Methodology

AMAC Group/Steven J. Vasilakis	Widescope/Steven Hickey	ACHA Research Design & Methodology Review	29/03/2019	Email	Supports ACHA & Methodology
STAGE 4					
ACHA Report	Minimum 28 days to respond	(24/05/2019) - (21/06/2019)			
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes
All RAPs	AMAC Group/Steven J. Vasilakis	Dispatch ACHA Report	24/05/2019	Email	
AMAC Group/Steven J. Vasilakis	Merrigarn/Shawn Carroll	ACHA Report Review	28//05/2019	Email	
AMAC Group/Steven J. Vasilakis	Muragadi/Jesse Johnson	ACHA Report Review	24/05/2019	Email	
AMAC Group/Steven J. Vasilakis	Murra Bidgee/Ryan Johnson	ACHA Report Review	27/05/2019	Email	
AMAC Group/Steven J. Vasilakis	Worimi Traditional Owners Corporation	ACHA Report Review	21/06/19	Email	
AMAC Group/Steven J. Vasilakis	Widescope/Steven Hickey	ACHA Report Review	19/06/2019	Email	

## 5.0 BACKGROUND INFORMATION

Pre-field work research consisted of an analysis and synthesis of the background data to determine the nature of the potential archaeological and cultural heritage resource in the region.

Background research entailed a detailed review of sources of information on the history, oral history, ethnohistory and archaeological background of the study area and surrounds and will include but not be limited to material from:

- OEH archaeological assessment and excavation reports and cultural heritage assessments;
- OEH Library;
- State Library of NSW including the Mitchell Library;
- Local libraries and historical associations;
- National Library of Australia.

A search of the OEH AHIMS was undertaken and the results examined. The site card for each site within 1000m in all directions from the centre of the study area was inspected (where available) and an assessment made of the likelihood of any of the sites being impacted by the proposed development.

The OEH library of archaeological reports (Hurstville) was searched and all relevant reports were examined. Searches were undertaken on the relevant databases outlined in Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010);

Further to this the following sources were examined:

- The National Heritage List;
- The Commonwealth Heritage List;
- The NSW State Heritage Inventory;
- The National Native Title Register;
- The Register of Declared Aboriginal Places;
- Prevailing local and regional environmental plans;
- Environmental background material for the study area.

### 5.1 ARCHAEOLOGICAL CONTEXT

It is generally accepted that Aboriginal occupation of Australia dates back at least 40,000 years (Attenbrow 2002, p.20-21; Kohen et al. 1983). The result of this extensive and continued occupation has left a vast amount of accumulated depositional evidence, and the Port Stephens area is no exception. Archaeological evidence of occupation of the region by Aboriginal people dates from the Pleistocene period. Evidence for the earliest occupation includes C14 dates from Moffats Swamp of 14,750 BP, north of Newcastle (AMBS 1993) and 10 000–13000 BP, at Glennies Creek (Dallas 2003, p.17). The majority of reliably dated archaeological sites within the region are less than 5,000 years old which places them in the mid to late Holocene period. A combination of reasons has been suggested for this collection

of relatively recent dates. There is an argument that an increase in population or 'intensification' of resource use across much of the continent took place around this time leading to a great deal more evidence being deposited compared to the sparser pre-occupation period. It is also the case that many archaeological sites along the past coastline may have been submerged as the seas rose to approximately their current level around 6,000 years ago. This would have had the effect of covering evidence of previous coastal occupation.

Different landscape units not only influence the preservation of sites but can determine where certain site types will be located. On the coastal fringe of the most common Aboriginal archaeological site type are Open Artefact Scatters or Open Campsites which are locations where two or more pieces of stone show evidence of human modification. These sites can sometimes be very large, up to thousands of artefacts and include other habitation remains such as animal bone, shell or fireplaces known as *hearths*, (Attenbrow 2002, p.75-76). Evidence of open scatters can be located in areas where erosion has taken place or embedded in stratified sediments visible only if erosion or excavation has occurred. Open scatters are most likely to occur near water sources and are generally found on ridges, saddles, spurs and headlands (Brayshaw 1985; AMBS 1993, p.3).

## 5.2 THE AWABAKAL NATION

It is estimated that around 250 distinct languages were in use throughout the continent at the time of contact. The exact number cannot be known for certain, however, 250 is a conservative estimate. These languages fell within two language groups; the *Pama-Nyungan* and the *Non-Pama-Nyungan* languages. Knowledge of the different language groups in any given area is variable. Early European recordings noted the names of particular Aboriginal individuals and groups but were not always clear about which named groups represented a language rather than some other social grouping (Hardy and Streat 2008). There was one language group observed in the Newcastle area at the time of European contact, this was the Awabakal language group.

Austin (Austin et al. 1995) suggests, that speakers of the Awabakal language were spread around the greater Newcastle region and the estuary of the Hunter River. Their territory ranged from Fern Bay and Stockton in the north to Tuggerah Lakes area in the south. Their nearest neighbours were the Worimi to the north who were centred around Port Stephens, however, it is believed the Hunter River, as a major geographic feature, was the demarcation line between the territories of these two language groups. To the south of the Awabakal were the Kuringgai, whilst the Wonaruah, and the Darkinjung, occupied areas to the northeast and southeast of the Awabakal, and the Kamilaroi occupied land to the northwest. This view is concurred with by the Australian Institute of Aboriginal and Torres Strait Islander Studies, (Australian Institute of Aboriginal and Torres Strait Islander Studies 2000). There may have been a significant amount of interaction, both cultural and linguistic, between the Awabakal and the Worimi nations and it is probable that the territorial boundary altered from time to time.

Within these large language groups resource access and ownership was centred around extended family groups or 'clans' which appear to have had ownership of land, (Attenbrow 2002). As it was unlikely to be acceptable to find sexual partners within the family grouping, and for other reasons such as resource sharing, a number of clans would often travel together in a larger group. These groups are referred to as *bands*. Whether the clan or the band was the most important group politically to an individual is likely to have varied from place to place. Group borders were generally physical characteristics of the landscape inhabited, such as waterways or the limits of a particular resource. Groups also shared

spiritual affiliations, often a common dreaming ancestor, history, knowledge and dialect, (Attenbrow 2002).

The majority of reliably dated archaeological sites within the region are less than 5,000 years old which places them in the mid to late Holocene period. A combination of reasons has been suggested for this collection of relatively recent dates. There is an argument that an increase in population and 'intensification' of much of the continent took place around this time leading to a great deal more evidence being deposited than was deposited as a result of the sparser pre-occupation period (Hiscock 2008, p.106).

Different landscape units not only influence the preservation of sites but can determine where certain site types will be located. Across the whole of the Newcastle area the most common Aboriginal archaeological site type is occupation evidence in open artefact scatters (DECCW 2010). These are often found in elevated areas above swamps or creeks and often contain diagnostic tool types. Many hundreds of artefact sites have been recorded within the Hunter Valley, despite the fact, that much of the area has already been developed to such an extent that any archaeological evidence that may have once been present has been destroyed.

A wide variety of activities comprised the lifestyle of the Aboriginal groups across the region. Some behaviours leave traces which can be retrieved by archaeological study of material remains. Many of these can be reconstructed by oral history, observations of European explorers and ethnologists, and other forms of past recording such as photography or art. Some of the details of the complexity and sophistication of the past lifestyles of Aboriginal people in the area have been lost, but many can be reconstructed using the variety of sources available.

The influx of European settlers had a substantial impact on the land use patterns of the Worimi and severely altered the movement between the coast and the interior that is thought to have existed at the time. The coastal fringe was a particularly rich resource zone and was exploited for resources such as fish, shellfish, small mammals and on occasion whales. Seasonal movement was observed by European settlers and documented at the time; however, prevailing archaeological theory suggests that the traditional view of a nomadic Aboriginal band is somewhat inaccurate. While movement undoubtedly occurred, it appears to have been on a lower scale than previously thought, particularly in such resource rich zones as the coastal fringe (Dallas 2008).

It is generally accepted that Aboriginal occupation of Australia dates back at least 40,000 years (Attenbrow 2002 p.20-21; Kohen et al. 1983). The result of this extensive and continued occupation has left a vast amount of accumulated depositional evidence, and the Port Stephens area is no exception. Archaeological evidence of occupation of the region by Aboriginal people dates from the Pleistocene period. Evidence for the earliest occupation includes C14 dates from Moffats Swamp of 14,750 BP, north of Newcastle (Baker, 1993) and 10 000–13000 BP, at Glennies Creek (Dallas 2003, p.17). The majority of reliably dated archaeological sites within the region are less than 5,000 years old which places them in the mid to late Holocene period. A combination of reasons has been suggested for this collection of relatively recent dates. There is an argument that an increase in population and 'intensification' of much of the continent took place around this time leading to a great deal more evidence being deposited compared to the sparser, pre-occupation period. It is also the case that many archaeological sites along the past coastline may have been submerged as the seas rose to approximately their current level around 6,000 years ago. This would have had the effect of covering evidence of previous coastal occupation.

### 5.3 OEH AHIMS SEARCH RESULTS

The Archaeological Heritage and Information Management System Database (AHIMS) is located at the OEH Offices at Hurstville in New South Wales. This database comprises information about all the previously recorded Aboriginal archaeological sites registered with OEH. Further to the site card information that is present about each recorded site, the assessments and excavation reports that are associated with the location of many of these sites are present in the library of reports.

The location of these sites must be viewed as purely indicative as errors in the recording of the locations of sites often occurs due to the disparate nature of the recording process, the varying level of experience of those locating the sites and the errors that can occur when transferring data. If possible, sites that appear to be located near a study area should be relocated.

An AHIMS extensive 1km search was conducted on the 18<sup>th</sup> January 2019 (ID 392075). This search resulted in 24 registered sites within 1000 m of the study area. The following table is comprised of the results listed from the extensive search.

**Table 5.1 AHIMS Search Results**

Site ID	Site name	Site status	Site features
38-4-0525	Catholic Education Site	Valid	Artefact
38-4-0454	Yirannaii;	Valid	Aboriginal Ceremony and Dreaming
38-4-0796	200 Hunter Street PAD	Valid	Potential Archaeological Deposit (PAD)
38-4-0957	NCL 931	Valid	Artefact-
38-4-1020	Coutts Sailors Home PAD1	Valid	Potential Archaeological Deposit (PAD)
38-4-1084	Newcastle CBD PAD	Valid	Potential Archaeological Deposit (PAD)
38-4-1205	Restriction applied. Please contact ahims@environment.nsw.gov.au.	Valid	
38-4-1632	TA1 Newcastle	Destroyed	Artefact-
38-4-1695	11-15 Watt St IF 1	Valid	Artefact-
38-4-1960	Newcastle Signal Box IF	Destroyed	Artefact-





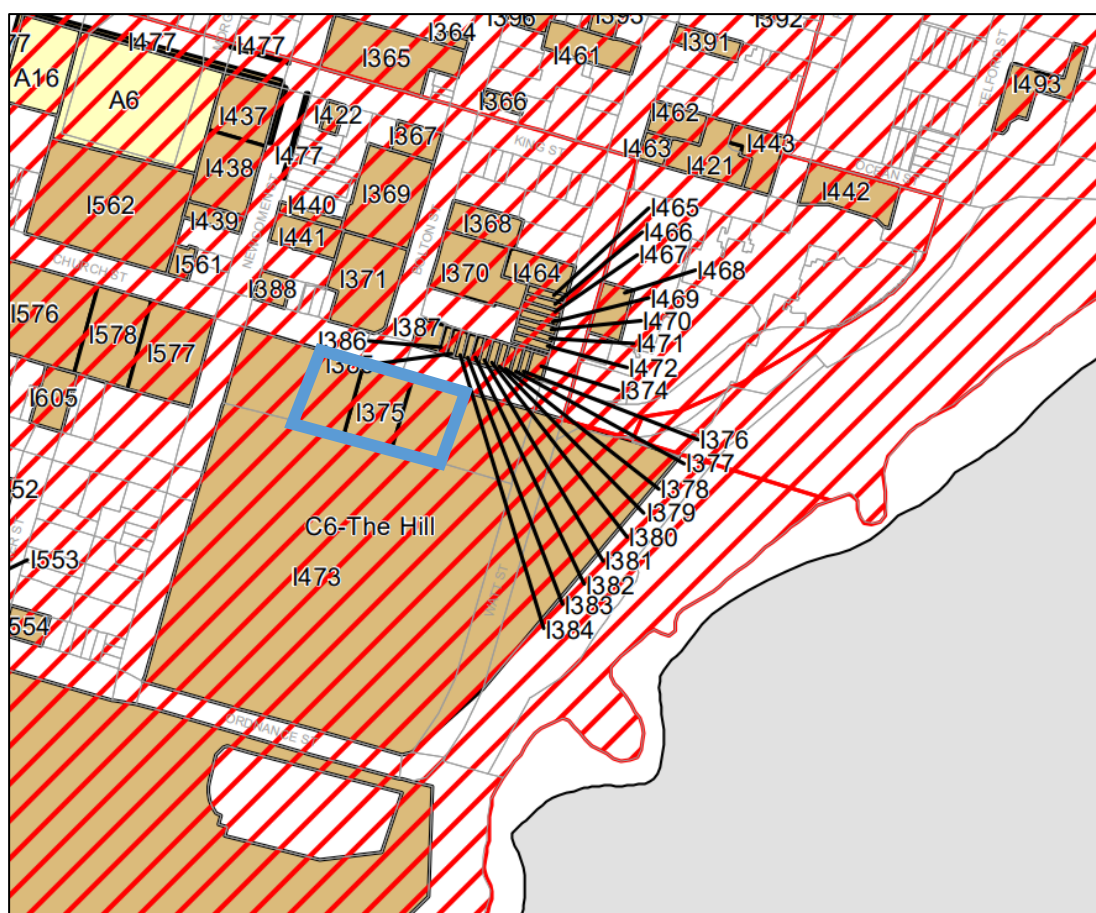
**Figure 5.1 AHIMS Search Results**  
OEH (2018) Memory Map (2012) Topographic Map 1:25000 South East



## 5.4 OTHER SEARCH RESULTS

Results for other statutory databases searched are given below;

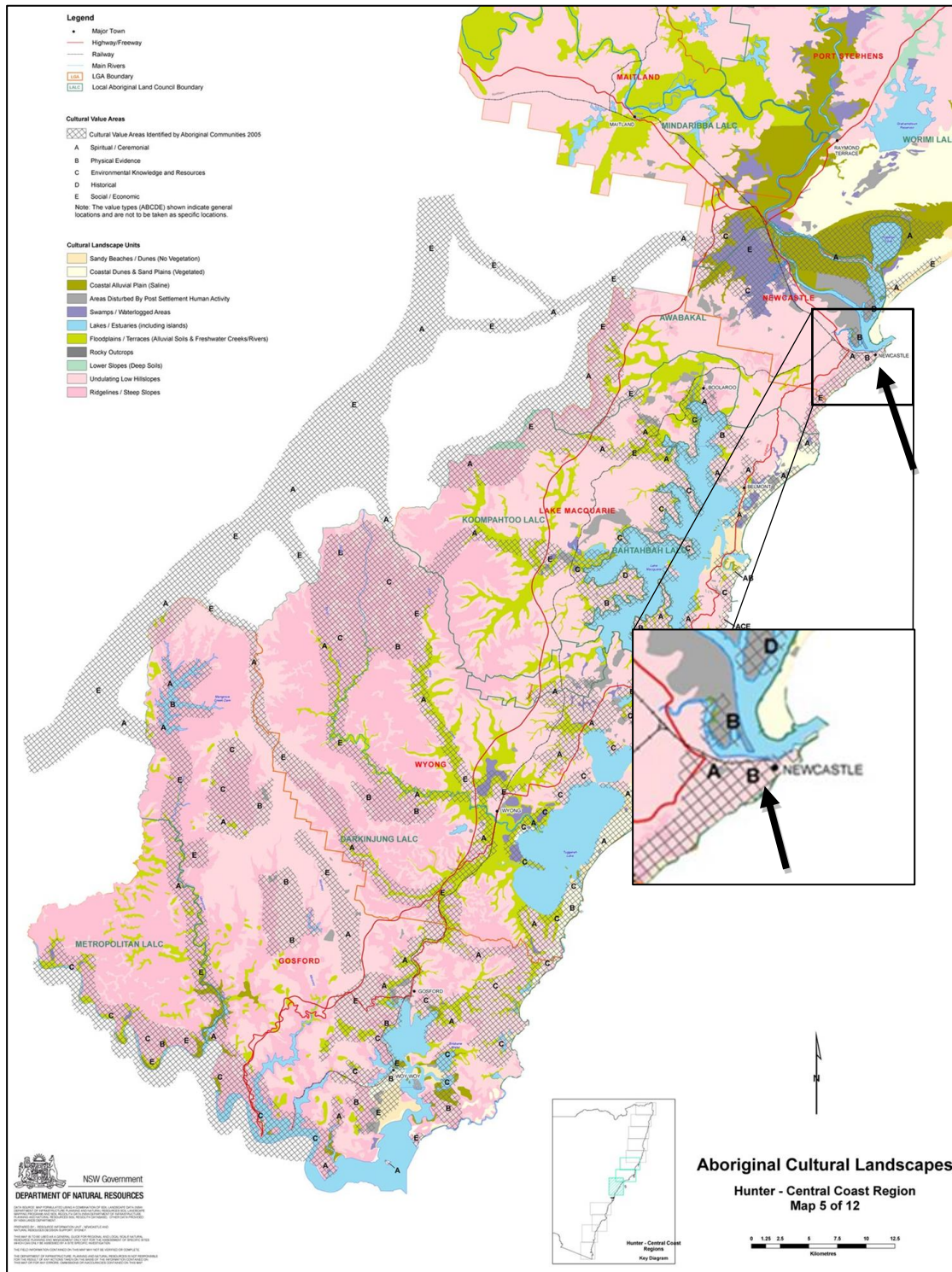
Heritage Listings/ Register/ Other	Result
National Heritage List	N/a
Commonwealth Heritage List	N/a
NSW State Heritage Register	Yes - 1375
Register of Declared Aboriginal Places	N/a
National Native Title Register	N/a
Aboriginal Cultural Landscapes within the Hunter and Central Coast Region	Yes – See Section 4.7



**Figure 5.2 The Newcastle Local Environmental Plan Heritage Items**  
Study area outlined in blue. (Newcastle Local Environmental Plan, 2012)

## 5.5 ABORIGINAL CULTURAL LANDSCAPE MAP 2005

The study area has been identified within the Hunter and Central Coast Aboriginal Cultural Landscapes Map 5 (Figure 5.3) as holding cultural value. This map was developed in consultation with the local Aboriginal Communities in 2005. The study site is located in an area identified by Aboriginal communities as holding both spiritual/ ceremonial value as well as physical evidence.

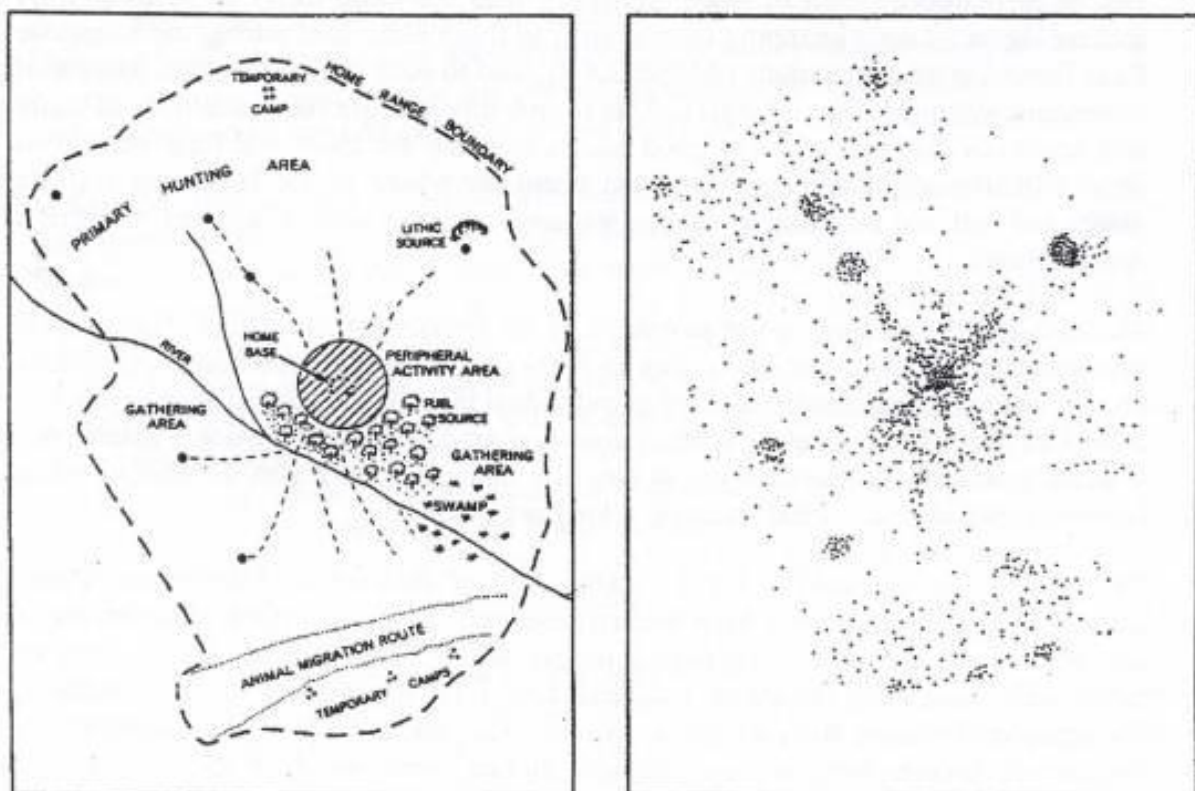


**Figure 5.3 Aboriginal Cultural Landscapes within the Hunter and Central Coast Region.**  
Study area indicated by Black arrow. Department of Planning (2005).

## 5.6 SUMMARY OF ARCHAEOLOGICAL PREDICTIVE MODEL FOR THE REGION

Predictive modelling is an adaptive process which relies on a framework formulated by a number of factors, including but not limited to the use of local land systems, the environmental context, archaeological work and any distinctive sets of constraints that would influence land use patterns. This is based on the concept that different landscape zones may offer different constraints, which is then reflected in the spatial distributions and forms of archaeological evidence within the region (Hall and Lomax 1996).

Early settlement models focused on seasonal mobility, with the exploitation of inland resources being sought once local ones become less abundant. These principles were adopted by Foley (1981) who developed a site distribution model for forager settlement patterns. This model identifies two distinctive types of hunter and gather settlements; 'residential base camps' and 'activities areas'. Residential base camps are predominately found located in close proximity to a reliable source of permanent water and shelter. From this point the surrounding landscape is explored and local resources gathered. This is reflected in the archaeological record, with high density artefact scatters being associated with camp bases, while low density and isolated artefacts are related to the travelling routes and activity areas (Foley 1981).



**Figure 5.4** Examples of forager settlement patterns  
Foley (1981)

However, more recently, investigation into understanding the impacts of various episodes of occupation on the archaeological record has been explored, of which single or repeated events are being identified. This is often a complex process to establish, specifically within predictive models as land use and disturbance can often result in post depositional processes and the superimposition of archaeological materials by repeated episodes of occupation.



The principals behind this model have been incorporated into other predictive models such as that of McBryde (1976). McBryde's model is centred on the utilisation of food resources as a contributor to settlement patterns, specifically with reference to the predictability and reliability of food resources for Aboriginal people within the immediate coastal fringe and/or hinterland zone, with migratory behaviour being a possibility. Resources such as certain species of animals, particularly; small marsupials and reptiles, plant resources and nesting seabirds may have been exploited or only available on a seasonal or intermittent basis. As such, archaeological sites which represent these activities whilst not being representative of permanent occupation may be representative of brief, possibly repeated occupation.

Jo McDonald and Peter Mitchell have since contributed to this debate, with reference to Aboriginal archaeological sites and proximity to water using their Stream order model (1993). This model utilises Strahler's hierarchy of tributaries. This model correlates with the concept of proximity to permanent water and site locations and their relationship with topographical units. They identify that artefact densities are greatest on terraces and lower slopes within 100m of water.

Intermittent streams, however, also have an impact on the archaeological record. It was discovered that artefacts were most likely within 50 – 100m of higher (4<sup>th</sup>) order streams, within 50m (2<sup>nd</sup>) order streams and that artefact distributions around (1<sup>st</sup>) order streams was not significantly affected by distance from the watercourse. Landscapes associated with higher order streams (2<sup>nd</sup>) order streams were found to have higher artefact densities and more continuous distribution than lower order streams.

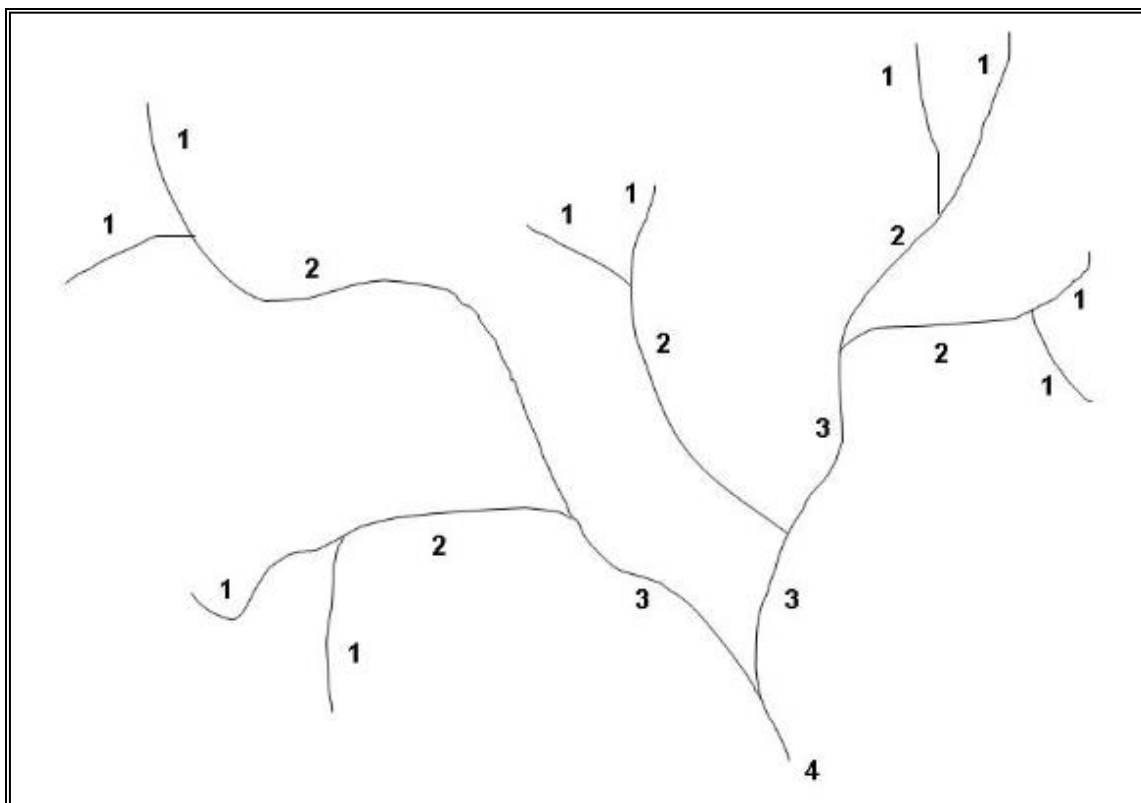


Figure 5.5

Strahler's hierarchy of tributaries  
Strahler (1957)

This Hunter Region predictive model was developed by Kuskie and Kamminga (2000) through the use of data attained from previous archaeological work regarding site location and distribution. The following table is based on the archaeological expectations regarding the use of landscape units and resources and how this is likely to be reflected in the archaeological record.

**Table 5.2 Occupation patterns as reflected in the archaeological record**

Occupation Pattern	Activity Location	Proximity to water	Proximity to food	Archaeological Record
Transitory Movement	All landscape zones, often on ridge and spur crest, watercourses and valley flats	Not important	Not important	<ul style="list-style-type: none"> <li>• Assemblages of low density and diversity</li> <li>• Evidence of tool maintenance &amp; repair</li> <li>• Evidence for stone knapping</li> </ul>
Hunting and/or gathering without camping	All landscape zones	Not Important	Near food resources	<ul style="list-style-type: none"> <li>• Assemblages of low density and diversity</li> <li>• Evidence of tool maintenance &amp; repair</li> <li>• Evidence for stone knapping</li> <li>• High frequency of used tools</li> </ul>
Camping by small groups	Frequently associated with permanent & temporary water	Nearby	Near food resources	<ul style="list-style-type: none"> <li>• Assemblages of low to moderate density and diversity</li> <li>• Evidence of tool maintenance &amp; repair</li> <li>• Evidence for stone knapping</li> <li>• Hearths</li> </ul>
Nuclear family base camp	Level or gently undulating ground	Nearby reliable source	Near food resources	<ul style="list-style-type: none"> <li>• Assemblages of high density and diversity</li> <li>• Evidence of tool maintenance &amp; repair and casual knapping</li> <li>• Heat treatment pits, stone lined ovens</li> <li>• Grindstones</li> </ul>
Community base camp	Level or gently undulating ground	Nearby reliable source	Near food resources	<ul style="list-style-type: none"> <li>• Assemblages of high density and diversity</li> <li>• Evidence of tool maintenance &amp; repair and casual knapping</li> <li>• Heat treatment pits, stone lined ovens</li> <li>• Grindstones &amp; ochre</li> <li>• Large area &gt; 100sqm with isolated campsites</li> </ul>

The Aboriginal Cultural Heritage Data Audit (DOP, 2005) produced the following table as part of the NSW Comprehensive Coastal Assessment Toolkit (DOP, 2005) which made the following statements outlined in table 4.3 about the predictive location of Aboriginal sites in Coastal NSW. These statements support the conclusions drawn in the following predictive model established for the study area. The study makes one very important claim which is that Aboriginal Ceremonial or Dreaming Sites can only be identified by Aboriginal community knowledge.

All models state that the primary requirement of all repeated, concentrated or permanent occupation is reliable access to fresh water. Brief and possibly repeated occupation may

be represented in areas that have unreliable access to ephemeral water sources, however these areas will not possess a high archaeological potential (Goodwin 1999)

**Table 5.3 Aboriginal Cultural Heritage Data Audit, Predictive Modelling for Coastal Aboriginal Sites, NSW.**

Site Type	Archaeological/ Predictive Modelling
Aboriginal Ceremony and Dreaming Sites	Can only be identified on the basis of Aboriginal community knowledge.
Aboriginal Resource and Gathering Sites	Can occur at any location where plant and animal target species are found at present or were available in the past.
Art Sites:	All rock paintings or drawings and some rock engravings will occur within rock shelters/overhangs, most commonly within sandstone cliff lines and in granite boulder fields. Rock engravings may occur wherever there are suitable rock-surface exposures.
Artefacts:	Will occur in all landscapes with varying densities. Artefacts of greatest scientific significance will occur in stratified open contexts (such as alluvial terraces, sand bodies) and rock shelter floors.
Burials:	Most likely (but not always) to be buried in, or eroding from, sandy soils. Can occur within rock shelters/overhangs, most commonly within sandstone cliff lines and in granite boulder fields.
Ceremonial Ring Sites:	Environmental factors may be of particular importance in site location including association with sources of water, ridges, unstructured soils and geological boundaries. Distance to adjacent ceremonial ring sites may influence site location.
Conflict Sites:	Can only be identified on the basis of historical records and community knowledge.
Grinding Grooves:	Most likely to occur on surface exposures of sandstone. Occasionally occur within sandstone rock shelters.
Modified Trees	Will only occur where target tree species survive and if these are of an age generally greater than 100 years old.
Non-Human Bone and Organic Material Sites:	Will occur in any surface or buried context where preservation conditions allow. Most commonly survive in open shell midden sites and in rock shelter floor deposits.
Ochre Quarry Sites:	Can occur at any location where suitable ochre sources are found, either as isolated nodules or as suitable sediments (clays).
Potential Archaeological Deposits:	Can occur in all landscape types. PADs of greatest scientific significance will occur in stratified open contexts (such as alluvial terraces, sand bodies) and rock shelter floors.
Shell Middens:	Will occur as extensive packed shell deposits to small shell scatters in all coastal zones along beaches, headlands and estuaries, both in open situations and in rock shelters. May occur along rivers and creeks where edible shellfish populations exist or existed in the past.
Stone Arrangements	Tend to be on high ground, often on the tops of ridges and peaks commanding views of the surrounding country. Often situated in relatively inaccessible places.
Stone Quarry Sites:	Can occur at any location where suitable raw materials outcrop, including pebble beds/beaches.
Waterholes	May occur within any river or creek. Rare examples may occur in open exposures of rock.



## 5.7 ARCHAEOLOGICAL PREDICTIVE MODEL FOR THE STUDY AREA

The following section gives an indication of the likelihood of certain site types being located within the study area. These indications are based on the research and results of assessments and excavations in the vicinity of the study area and also from the Northumberland region.

Site Type	Research	Likelihood
Open Artefact Scatters	The presence of a known reliable raw material source (outcrop of tuff at Nobbys Headland) within nearby landscape units, would suggest the artefacts may be of significant number and size and, a high percentage of cortex will be present in any assemblage located. Excavations at locations in the immediate vicinity of the study are also suggestive of the presence of open artefact scatters. It is likely open artefact scatters will be located within <u>undisturbed parts</u> of the study area. It is unlikely that undisturbed soil profiles are present within the study area and as such any archaeological or cultural material located will be disturbed.	Likely within undisturbed parts of the study area.
Isolated Artefacts	The presence of a known reliable raw material source (outcrop of tuff at Nobbys Headland) within nearby landscape units, would suggest the artefacts may be of significant number and size and, a high percentage of cortex will be present in any assemblage located. Excavations at locations in the immediate vicinity of the study are also suggestive of the presence of isolated artefacts. It is likely isolated artefacts will be located within <u>undisturbed parts</u> of the study area. It is unlikely that undisturbed soil profiles are present within the study area and as such any archaeological or cultural material located will be disturbed.	Likely within undisturbed parts of the study area.
Grinding Grooves	Boulders of sandstone or outcrops do not occur in the landscape units represented in the study area.	Unlikely/
Stone Resource Sites	Rock outcrops of suitable flaking material are almost absent from the soil landscapes represented within the study area.	Unlikely/
Scarred Trees	Trees of sufficient age are not present within the study area.	Unlikely/
Sandstone Shelters	The soil landscapes of the study area do not contain sandstone overhangs	Unlikely/
Burials	While it is possible that undisturbed sand bodies may lie within the study area. These sites tend to occur within deep, sandy and/or soft soil contexts within sand dune formations, often in association with midden materials. The soil landscape is highly acidic which leads to the poor preservation of organic material such as bone.	Unlikely/
Ceremonial Sites	Consultation with relevant Aboriginal parties and individuals is taking place, however it is possible that such information may become available in the future as a result of further consultation	Possible that Ceremonial/Social sites will be present within the study area

## 5.8 PREVIOUS ARCHAEOLOGICAL STUDIES NEAR THE STUDY AREA

As part of the research process of this report the library of archaeological assessments, test excavation and open area salvage excavation reports which is located at the offices of DECCW at Hurstville was consulted. Presented below are summaries of indigenous archaeological survey assessments, test excavations and salvage excavations in the vicinity of the study area, which have all been carried out. This list is by no means exhaustive and is merely a representative sample of archaeological activity within the vicinity of the study area.

### **Bairstow & Turner (1987) – Test Excavations – Bond & Scotts Sts, Newcastle.**

Bairstow and Turner carried out an archaeological excavation at Bond & Scott Streets in Newcastle East in 1987, but the finds were neither retained nor analysed. During a subsequent test excavation in 1989, a number of additional flaked stone artefacts were located close to Bond Street and were located in what was thought to be buried intact original soil profiles.

### **Lavelle & Mider (1993) – Archaeological Monitoring – Bond St, Newcastle.**

Lavelle & Mider undertook archaeological monitoring of excavation works in 1993, at Bond Street in Newcastle East and located 6 stone tools. These included a chert point and a sandstone grinding stone and were also located in what was thought to be buried intact original soil profiles.

### **Higginbotham & Assoc. (1998) – Test Excavations – Bond St, Newcastle.**

Higginbotham and Associates carried out test excavations at the same site in 1998, which revealed a considerable quantity of 'stone rubble' that was initially considered to constitute railway ballast associated with the later historic period of site use. Australian Museum Business Services (AMBS), later identified this material as being largely Aboriginal in origin, as flaked stone tools were present amongst un-worked cobbles and boulders. It remains a point of conjecture, as to whether this material was located within buried intact original soil profiles or was representative of re-deposited material from the historical European period.

### **Godden McKay Logan (1997) – Test Excavations – 738 Hunter St, Newcastle.**

Godden McKay Logan (GML) conducted archaeological excavations at 738 Hunter Street, Newcastle in 1997, which located 3 flaked stone artefacts. The 3 flaked stone artefacts were all relatively small and were reduced from silcrete and chert. These artefacts were located within buried intact original soil profiles.

### **Archaeological Heritage Management Solutions (2001) – Test Excavations – Palais Royale Hunter St, Newcastle.**

Archaeological Heritage Management Solutions (AHMS) conducted an assessment in conjunction with a European archaeological survey on a portion of land located on the northern side of Hunter Street, between the existing 'Palais Royale' Cottage Creek and the Great North Railway, Newcastle in 2001. No Indigenous archaeological resources were located during the course of this survey. However, due to the possibility of intact topsoil deposits and the undertaking of a European test excavation programme members of the Awabakal Local Aboriginal Land Council requested to be present in case Indigenous artefacts were recovered during the test excavation process.

The subsequent program of test excavation as was the case with GML's excavation, yielded buried intact original soil profiles, which contained significant Aboriginal archaeological deposits comprising shell midden materials and large numbers of flaked stone artefacts. The assemblage consisted of approximately 5,734 pieces of stone. While the assemblage has not

yet been completely catalogued it is expected that upwards of 4,000 flaked stone artefacts will be evident. The assemblage also contained a total of some 2,939 whole or fragmentary shells, and approximately 326 pieces of animal bone. The stone artefacts consisted of tuff, silcrete, quartz, rhyolite and flint.

#### **Archaeological Heritage Management Solutions (2004) – Test Excavations – 710 Hunter St, Newcastle.**

In 2004, AHMS conducted an archaeological excavation at 710 Hunter Street, Newcastle, which yielded 513 stone artefacts, predominately tuff pieces which exhibited attributes of abrasion. Only small areas of intact original soil profiles could be found as it was mainly disturbed, and re-deposited fills encountered.

#### **Mary Dallas Consulting (2004) – Test Excavations – Boardwalk Site Honeysuckle Dr, Newcastle.**

Mary Dallas Consulting conducted a test excavation programme in conjunction with a European archaeological excavation at the 'Boardwalk Site' on Honeysuckle Drive, east of the 'square about', within the bounds of the Civic Railway workshops, Newcastle in 2004. This excavation yielded the partial and disturbed remains of a coastal campsite with a thin scatter of shells some 113 stone artefacts as well animal bone from a buried former landscape. The stone artefacts consisted of tuff, silcrete, quartz, rhyolite and flint. No further archaeological work was recommended based on the highly disturbed nature of the area due to two centuries of European activity.

#### **Umwelt (2005) – Test Excavations – 9 Watt St, Newcastle.**

Umwelt conducted a subsurface historical test excavation programme at 9 Watt Street, Newcastle, which yielded disturbed soil profiles that contained five Aboriginal flaked stone artefacts. These were identified as coming from disturbed contexts and no evidence was located to suggest they had been manufactured on site. The artefacts, it was concluded, were imported onto the site as a result of the importation of levelling fill (Umwelt, 2005).

#### **Archaeological Heritage Management Solutions (2005) – Test Excavations – 700 Hunter St, Newcastle.**

In 2005, AHMS conducted a subsurface excavation programme at 700 Hunter Street, Newcastle which yielded buried intact and disturbed soil profiles which contained significant Aboriginal archaeological deposits comprising shell midden materials and large numbers of flaked stone artefacts. The assemblage consisted of more than 4000 stone artefacts and included human skeletal remains as a result of the study areas association with a former cemetery. Some of the skeletal remains were identified as Aboriginal, however, they were not in a pre-European burial context that were associated with the cemetery. The stone artefacts consisted of tuff, silcrete, quartz, rhyolite and flint, (AHMS 2005).

#### **Insite Heritage (2005) – Test Excavations – 200-212 Hunter St, Newcastle.**

Insite Heritage undertook historical archaeological excavations at 200–212 Hunter Street, Newcastle, in 2006. Aboriginal artefacts were identified during these excavations. However, they were all identified as coming from disturbed contexts and no evidence was located to suggest they had been manufactured on site. These artefacts it was concluded, were imported onto the site as a result of the importation of levelling fill (Insite, 2005).

#### **Archaeological Management & Consulting (2014) – Test Excavations – 409 Hunter St, Newcastle.**

AMAC conducted a subsurface test excavation programme at 409 Hunter Street, Newcastle, in 2014, which yielded both buried intact and disturbed soil profiles and contained significant Aboriginal archaeological deposits comprising large numbers of flaked stone artefacts. The

assemblage consisted of more than 500 stone artefacts. The stone artefacts consisted of tuff, silcrete and quartz (AMAC 2015).

**Archaeological Management & Consulting (2014) – Test Excavations – 11-15 Watt St, Newcastle.**

AMAC conducted a subsurface historical test excavation programme at 11–15 Watt Street, Newcastle, in 2014, which yielded disturbed soil profiles which contained one Aboriginal flaked stone artefact and was identified as coming from disturbed contexts. However, no evidence was located to suggest they had been manufactured on site. The artefact, it was concluded, was imported onto the site as a result of the importation of levelling fill (AMAC 2014).

**Archaeological Management & Consulting (2014) – Salvage Excavations – 409 Hunter St, Newcastle.**

AMAC conducted a subsurface salvage excavation as part of an Aboriginal Cultural Heritage Management Plan at 409 Hunter Street, Newcastle, in 2014, which yielded both buried intact and disturbed soil profiles and contained significant Aboriginal archaeological deposits comprising large numbers of flaked stone artefacts. The assemblage consisted of more than 6500 stone artefacts. The stone artefacts consisted of tuff, silcrete and quartz, (AMAC, in press).

The practical ramifications of the results of the aforementioned archaeological assessments and excavations are that there is a low/moderate potential for Aboriginal archaeological objects to be present within the study area, particularly if buried intact original soil profiles are present.

However, given the disturbance identified within the study area it is more likely that disturbed Aboriginal archaeological objects are present. These would still require an AHIP and/or Aboriginal Cultural Heritage Management Plan (ACHMP) to legally allow for the disturbance of the said objects. This potential is not reflected in the visibility of surface archaeological material and is more accurately reflected in the results of past assessments and excavations within the vicinity of the study area and from within similar landscape units in the Hunter Valley.

The practical ramifications of the results of the afore mentioned archaeological assessments and excavations, indicates that there is a potential for Aboriginal archaeological objects to be present within undisturbed parts of the study area, particularly if buried intact original soil profiles are present. However as the study area is significantly disturbed intact soil profiles are not thought to be present. There remains the potential for disturbed Aboriginal archaeological remains to be present in the study area which may be of interest to the Aboriginal stakeholder representatives.

## 6.0 CULTURAL HERITAGE RESPONSES

All registered stakeholders were given a copy of this report and were given a minimum of 28 days to comment on this report. All comments will be incorporated into this report. This section outlines the research questions and responses concerning the cultural heritage of the study area.

### 6.1 REGISTERED STAKEHOLDER QUESTIONS

All registered stakeholders were given a copy of a proposed Aboriginal Cultural Heritage Assessment (ACHA) research methodology and given 28 days to respond to this methodology.

The following is a questionnaire that was included with the ACHA methodology.

Does the study area hold any social, spiritual or cultural values to the participating Aboriginal stakeholders? If so, what are these values and are they confined to particular parts of the study area?

Why are these parts or the whole of the study area culturally significant to the participating Aboriginal stakeholders?

Are particular parts of the study area more important than others?

Are any previously unidentified known culturally significant places present within the study area? If so where are they located?

Are any previously unidentified Aboriginal objects or Aboriginal places present within the study area? If so where are they located?

Are any previously unidentified natural or archaeological resources present within the study area? If so where are they located?

Are there any traditional stories or legends associated with the study area?

Are there any recollections of Aboriginal people living within the study area?

Is there any information to suggest the presence of burials within the study area?

Are any traditional flora or fauna resources associated with the study area?

Does the study area have any sensory scenic or creatively significant cultural values? If so, what are these values and are they confined to particular parts of the study area and where are they located?

In what way, if any, will the proposed development harm the identified cultural heritage and archaeological values of the study area?

Do the participants have suggestions on the mitigative strategies for the management of the cultural and archaeological values of the study area?

Are there any gender specific cultural values associated with the study area which cannot be raised in a male presence?

Are there any gender specific cultural values associated with the study area which cannot be raised in a female presence? If so, how would the Aboriginal stakeholders like these dealt with?

Do the participants have any concerns not yet raised in this interview?

## 6.2 REGISTERED STAKEHOLDER SUBMISSIONS TO QUESTIONS

### 6.2.1 Awabakal Local Aboriginal Land Council Response

#### Aboriginal Cultural Heritage Assessment - 9 Church Street, Newcastle

##### Awabakal LALC responses

##### 6.1 Registered Stakeholder Questions

- 1) From Awabakal LALC's perspective, the study area is of high cultural importance and holds significant cultural values to the local Aboriginal community, as it lies within a known Aboriginal cultural landscape, which includes the whole Newcastle foreshore area and higher points leading up to the area now known as King Edward Park.
- 2) The study area is important for the simple fact that, it lies within a cultural landscape & was a heavily occupied area for the local Awabakal peoples. Hunting & ceremonial practices took place in the vicinity.
- 3) No, all parts of the study area have equal significance.
- 4) None known
- 5) To Awabakal LALC's understanding, there has never been any previous cultural or archaeological investigations/inspections/assessments at this location to suggest there isn't any known Aboriginal objects and or places at this location. With the location of the site being set back a bit from the foreshore, I am 100% confident that there will be objects of significance located in subsurface deposits whether they're in fill or natural deposits.
- 6) Am not 100% sure, but from previous experience working on archaeological sites in the surrounding area, there would be remnants of local occurring Nobby's Tuff in the immediate vicinity, whether they're in or out of situ. This could only be determined, by conducting an accompanying archaeological excavation and Aboriginal assessment of potential recovered objects of the study area.
- 7) There are story/song lines all through Australia and there is no exception to this area. The whole foreshore and King Edward Park area/s would have had an adjoining story or song line connected to it. ALALC is of the belief that only people of high degree would know these stories or song lines.
- 8) There are available paintings from the likes of Joseph Lycett, that capture Aboriginal people occupying the area. There are other sources of information of Aboriginal people living in the area as well.
- 9) No available information
- 10) Unsure
- 11) Unsure
- 12) As always and like all developments, there is always the extremely high possibility that objects and places of cultural significance will be damaged and or desecrated through this europeanised practice & process.
- 13) Yes, do not disturb natural soil profiles!
- 14) None known



15) None known

16) Yes! A question asked to RAP's by the proponent/s and or consultant, about how they feel about having our culture & heritage ripped out of the ground would be interesting. As a majority of people of European descent have a no care factor attitude towards Aboriginal people, our culture and or our ancient objects. So maybe include a question like this in our next list of question to ask community.

### 6.3 REGISTERED STAKEHOLDER SUBMISSIONS TO ACHA

The following formal written responses were received.

#### 6.3.1 Merrigarn



Tue 28/05/2019 8:35 AM

Shaun Carroll <Merrigarn@hotmail.com>

Re: Newcastle Courthouse - ACHA Report

To: Steven John Vasilakis

Hi Steve

I have read the project information and methodology. I agree with the recommendations

Thanks

Shaun Carroll

#### 6.3.2 Muragadi



Fri 24/05/2019 2:18 PM

Muragadi <muragadi@yahoo.com.au>

RE: Newcastle Courthouse - ACHA Report

To: 'Steven John Vasilakis'

Hi Steven,

I have read the ACHA for the above project, I agree with the recommendations made by AMAC

Kind regards

Jesse Johnson

#### 6.3.3 Murra Bidgee Mullangari



Mon 27/05/2019 2:37 PM

Ryan Johnson <murrabidgeemullangari@yahoo.com.au>

RE: Newcastle Courthouse - ACHA Report

To: 'Steven John Vasilakis'

Hi Steve

I have read the ACHA and endorse the recommendations made for the Newcastle Courthouse by AMAC.

Thanks

Ryan Johnson | Murra Bidgee Mullangari

#### 6.3.4 Widescope Indigenous Group



Wed 19/06/2019 10:29 AM

WIDESCOPE , <[widescope.group@live.com](mailto:widescope.group@live.com)>

RE: Newcastle Courthouse - ACHA Report

To Steven John Vasilakis

Hi Steven

Thanks, I have reviewed and support the ACHR Report

Regards

Steven Hickey

#### 6.3.5 Worimi Traditional Owners Corporation

**From:** Tamara Towers <[worimiacs@gmail.com](mailto:worimiacs@gmail.com)>

**Sent:** Friday, 21 June 2019 5:09 PM

**To:** Steven John Vasilakis <[consultation@archaeological.com.au](mailto:consultation@archaeological.com.au)>

**Cc:** Benjamin Streat (AMAC) <[benjaminstreat@archaeological.com.au](mailto:benjaminstreat@archaeological.com.au)>; amacarch <[amacarch@gmail.com](mailto:amacarch@gmail.com)>

**Subject:** Re: Newcastle Courthouse - ACHA Report

Hi Steve,

Please see my comments below on behalf of Worimi Aboriginal Cultural Services.

5.2-The Awabakal Nation.

Worimi A.C.S do not agree with all the information provided as the project area is within the Traditional Worimi Nation. Worimi people do not believe and accept the word Awabakal to be a Nation, clan or tribe as the word Awabakal was introduced and given to people within the Worimi Nation and was the meaning of "people of the place" from the language by reverence Lancelot Threlkeld.

The project area is located near a Traditional Aboriginal ceremonial blessing site. The project area is culturally significant to the Worimi and does have high potential to find Aboriginal objects within the Project area is extremely important to our Worimi people to gain the best outcome for protection of our local sites/objects.

Regarding the acknowledgements of country, I would like for the report to acknowledge the Worimi people as they are culturally connected to the area.

Warm regards  
Tamara Towers

## 7.0 SIGNIFICANCE ASSESSMENT

The processes of assessing significance for items of cultural heritage value are set out in *The Australian ICOMOS Charter for the Conservation of Places of Cultural Significance: the Burra Charter* (amended 1999) formulated in 1979 and based largely on the Venice Charter of International Heritage established in 1966. Archaeological sites may be significant according to four criteria, including scientific or archaeological significance, cultural significance to Aboriginal people, representative significance which is the degree to which a site is representative of archaeological and/or cultural type, and value as an educational resource. In New South Wales the nature of significance relates to the scientific, cultural, representative or educational criteria and sites are also assessed on whether they exhibit historic or cultural connections.

### 7.1 ARCHAEOLOGICAL SIGNIFICANCE

#### 7.1.1 Educational Significance

The educational value of any given location will depend on the importance of any archaeological material located, on its rarity, quality and the contribution this material can have on any educational process (Australia ICOMOS, 1999 p. 11).

No educational significance can as yet be assigned to the study area. However, natural soils are present on site and further investigation has been recommended.

#### 7.1.2 Scientific Significance

The scientific value of any given location will depend on the importance of the data that can be obtained from any archaeological material located, on its rarity, quality and on the degree to which this may contribute further substantial information to a scientific research process. (Australia ICOMOS, 1999 p.11).

No scientific significance can as yet be assigned to the study area. However, natural soils are present on site and further investigation has been recommended.

#### 7.1.3 Representative Significance

The representative value of any given location will depend on rarity and quality of any archaeological material located and on the degree to which this representativeness may contribute further substantial information to an educational or scientific research process. (Australia ICOMOS, 1999 p.11).

No representative significance can as yet be assigned to the study area. However, natural soils are present on site and further investigation has been recommended.

### 7.2 SOCIAL AND CULTURAL SIGNIFICANCE

As defined in the 'Burra Charter' (ICOMOS, 1999) cultural significance is broken into three parts: aesthetic, historic and scientific value for past, present or future generations. Cultural significance is a concept which assists in estimating the value of any given place. Places that are likely to be of significance are those which can contain information which may assist with the understanding of the past or enrich the present, and which will be of value to future generations. The meaning of these terms in the context of cultural significance is outlined below. It should be noted that they are not mutually exclusive, (Australia ICOMOS, 1999 p.12).

### **7.2.1 Historic Significance**

A place may have historic value because it has influenced, or has been influenced by, an historic figure, event, phase or activity. It may also have historic value as the site of an important event. For any given place the significance will be greater where evidence of the association or event survives in situ, or where the settings are substantially intact, than where it has been changed or evidence does not survive. However, some events or associations may be so important that the place retains significance regardless of subsequent treatment. (Australia ICOMOS, 1999 p.11).

No specific historic significance has been assigned by registered Aboriginal parties. However Worimi Traditional Owners Corporation assign a high general significance to the area and surrounds as well as the Awabakal Local Aboriginal Land Council.

### **7.2.2 Scientific Significance**

The scientific value of any given location will depend on the importance of the data that can be obtained from any archaeological material located, on its rarity, quality and on the degree to which this may contribute further substantial information to a scientific research process. (Australia ICOMOS, 1999 p.11).

No specific scientific significance has been assigned by registered Aboriginal parties. However Worimi Traditional Owners Corporation assign a high general significance to the area and surrounds as well as the Awabakal Local Aboriginal Land Council.

### **7.2.3 Aesthetic Significance**

Aesthetic value includes aspects of sensory perception for which criteria can and should be stated. Such criteria may include consideration of the form, scale, colour, texture and material of the fabric; the smells and sounds associated with the place and its use. (Australia ICOMOS, 1999 p.11).

No specific Aesthetic significance has been assigned by registered Aboriginal parties. However Worimi Traditional Owners Corporation assign a high general significance to the area and surrounds as well as the Awabakal Local Aboriginal Land Council.

## 8.0 PROPOSED ACTIVITY

This section outlines the proposed activity including the staging and timeframes along with the potential harm of the proposed activity on Aboriginal objects and or declared Aboriginal places, assessing both the direct and indirect result of the activity on any cultural heritage values associated with the study area.

### 8.1 DESCRIPTION OF PROPOSED ACTIVITY AND IMPACTS

The proposed development aims to conserve the old courthouse building while demolishing both the annex buildings (Figure 8.1); the high court and administration building on either side, in order to construct a cohesive campus complex that incorporates the aesthetics and façade of the old courthouse while rebuilding the footprint in order to support student accommodation and education facilities, including outdoor spaces (Figure 8.1- 8.10).

The new buildings being constructed on either side of the old courthouse will consist of 4 floors including a rooftop terrace. The old courthouse will be converted to connect with the rooftop terrace. The ground level is approximately 22.30 RL with deep excavations exceeding an additional 2m for the lift shaft between the educational building and old courthouse building, as well as the foundations for the building and rain storage tank at the rear of the property which will be approximately 20.25 RL.

The proposed development will impact the entirety of the study area with deep excavations taking place including in the rear where intact soil profiles may exist.

There is a low-moderate potential for Aboriginal artefacts and/or deposits of archaeological and cultural significance to be present.

No formal areas of exclusion have been identified in the current plans.

### 8.2 PROPOSED DEVELOPMENT JUSTIFICATION

The development is proposing the adaptive reuse of the State heritage-listed former Newcastle Courthouse as an educational establishment with associated student accommodation, including:

- Demolition of the existing Administration Building and Supreme Court Building;
- Change of use of the former Courthouse building from a 'public administration building' to an 'educational establishment';
- Minor internal demolition works and alterations to the former Courthouse building ('Public Building');
- Construction of two new 4-storey buildings consisting of a 108 bed 'Residential Building' and an 'Education Building', both connected to the proposed 'Public Building' by atria;

As part of the Japanese Government's New Growth Strategy: Internationalisation of Japanese Universities, Nihon University has selected the former Newcastle Courthouse as the site on which to open its first international campus and purchased the property back in 2016.

### **8.3 POTENTIAL HARM TO ABORIGINAL OBJECTS AND CULTURAL HERITAGE**

The proposed development activity will disturb the ground surface and may disturb Aboriginal objects and areas of cultural significance. The study area has the potential to contain low-moderate significant Aboriginal archaeological and cultural objects and/or deposits which would be subject to disturbance from the development.

### **8.4 ASSESSING HARM**

The proposed development will harm objects and/or deposits of Aboriginal and archaeological significance. Test excavation has been proposed under *the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales*, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010) to assess the level of disturbance of the site and the potential harm on any potential Aboriginal objects and/or deposits.

### **8.5 AVOIDING AND MINIMISING HARM TO ABORIGINAL OBJECTS**

The proposed development will harm objects and/or deposits of Aboriginal and archaeological significance. Test excavation has been proposed under the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales*, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010) to assess the level of disturbance of the site and the potential harm that may be the result of the proposed activity on the current registered site as well as any potential Aboriginal objects and/or deposits. The results of said excavation will assist in minimising harm to Aboriginal objects and/or places, if present.

### **8.6 JUSTIFICATION OF HARM TO ABORIGINAL OBJECTS**

This cannot be addressed at this point in time. Test excavation has been proposed to assess the level of disturbance and whether Aboriginal objects and/or places are present.

### **8.7 ECOLOGICALLY SUSTAINABLE DEVELOPMENT AND INTERGENERATIONAL EQUITY**

The ability of any development to be completely ecologically sustainable will be limited by definition. However, the proponents of this subdivision appear to have made significant efforts to meet the needs of the current generation without compromising the ability of future generations to meet their own needs. This has been accomplished by proposing a plan on a manageable and affordable scale while still protecting and conserving the archaeological resources. This is being accomplished by a program of subsurface test excavation with the possibility of further salvage excavation if needed as well as extensive consultation with the relevant Aboriginal community.

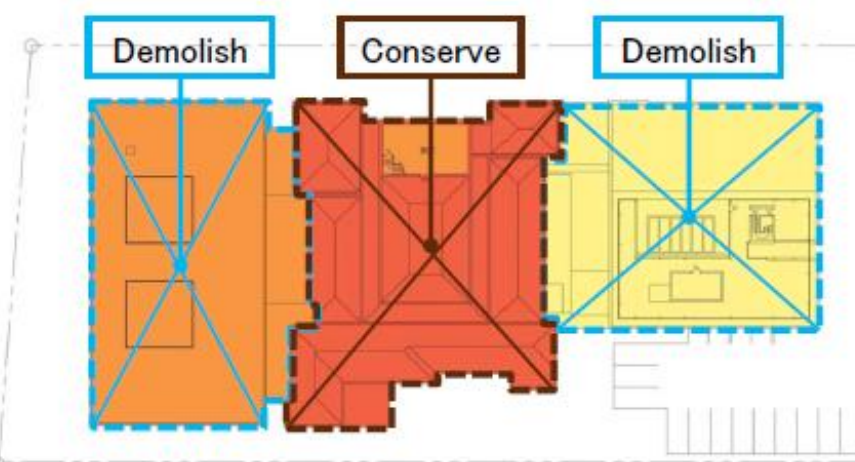
Inter-generational equity refers to the equitable sharing of resources between current and future generations. The planet's current generation should ensure that future generations have the same opportunities and resources available. This idea is being accomplished by designing a building with as little disturbance to the ground surface as possible and as such any archaeological or cultural material that may be present in these areas either identified or unidentified will be left intact and persevered for future generations.



### Gratings of significance

- 

Conservation Area :



Cell



## Interview



Court 3



Entrance



Lobby



Court 4



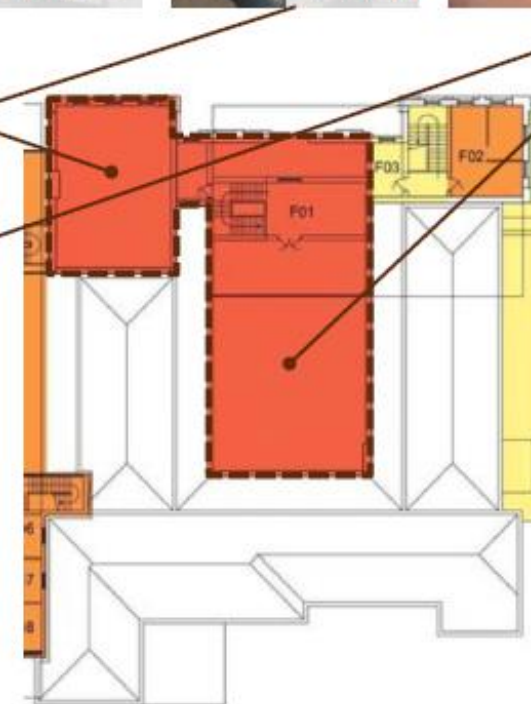
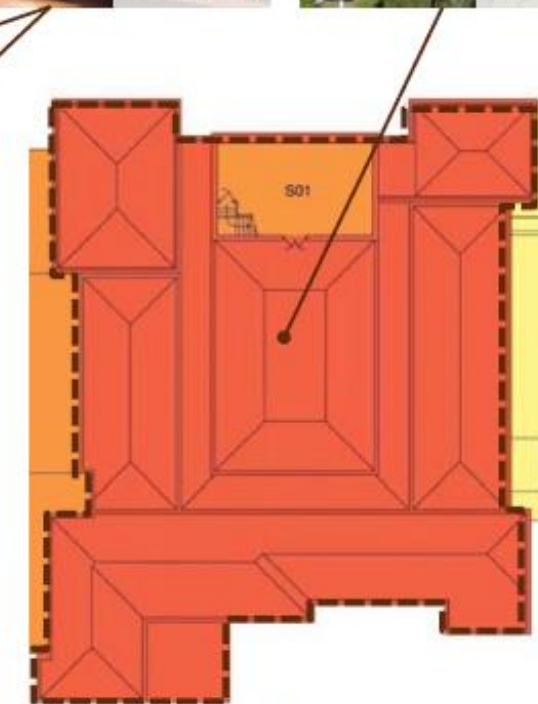
Root



<B1F>



<1F>

 $\langle 2F \rangle$ 

<RF>



Planner										Nihon University Australia Newcastle Campus Project		Drawing No. A - 0	
										Conservation Plan	Scale 1/2000	Page 01 of 01	Rev 0

**Archaeological Management and Consulting Group  
& Streat Archaeological Services Pty Ltd  
July 2019**



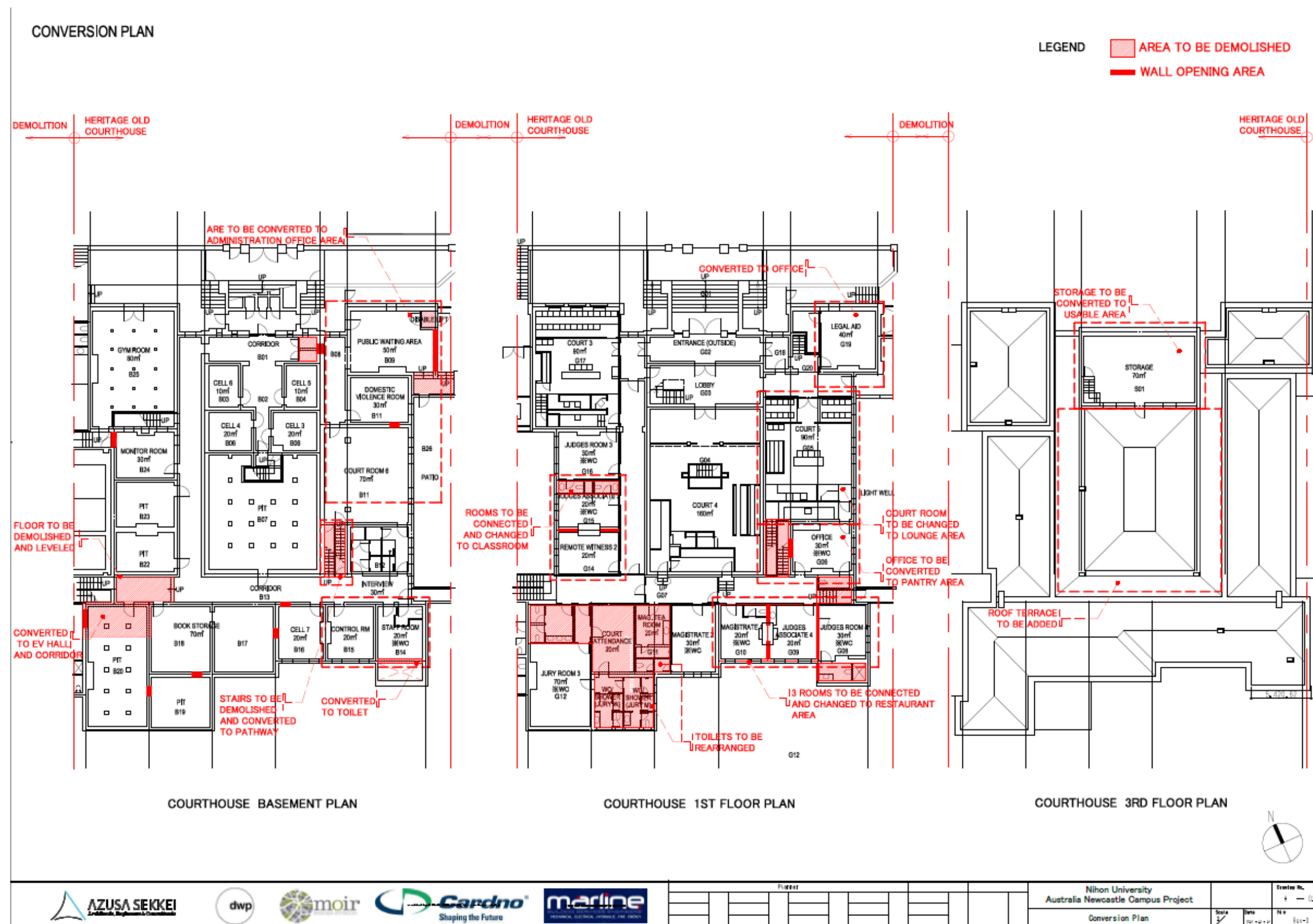


Figure 8.2 Conservation Plan  
Azuska Sekkei (2019) Drawing No. A010

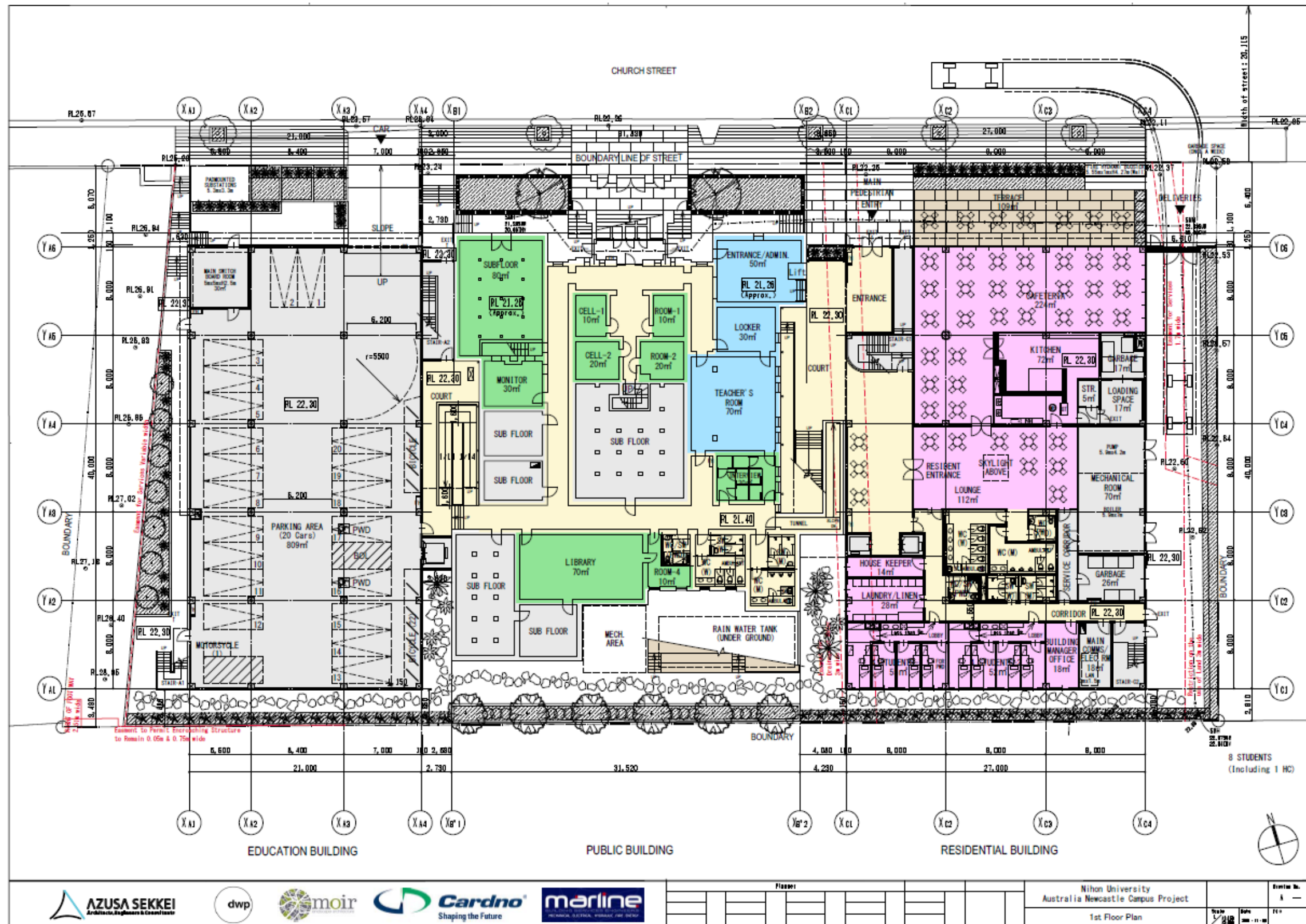


Figure 8.3 Proposed 1<sup>st</sup> Floor Plan.  
Azusa Sekkei A-109.



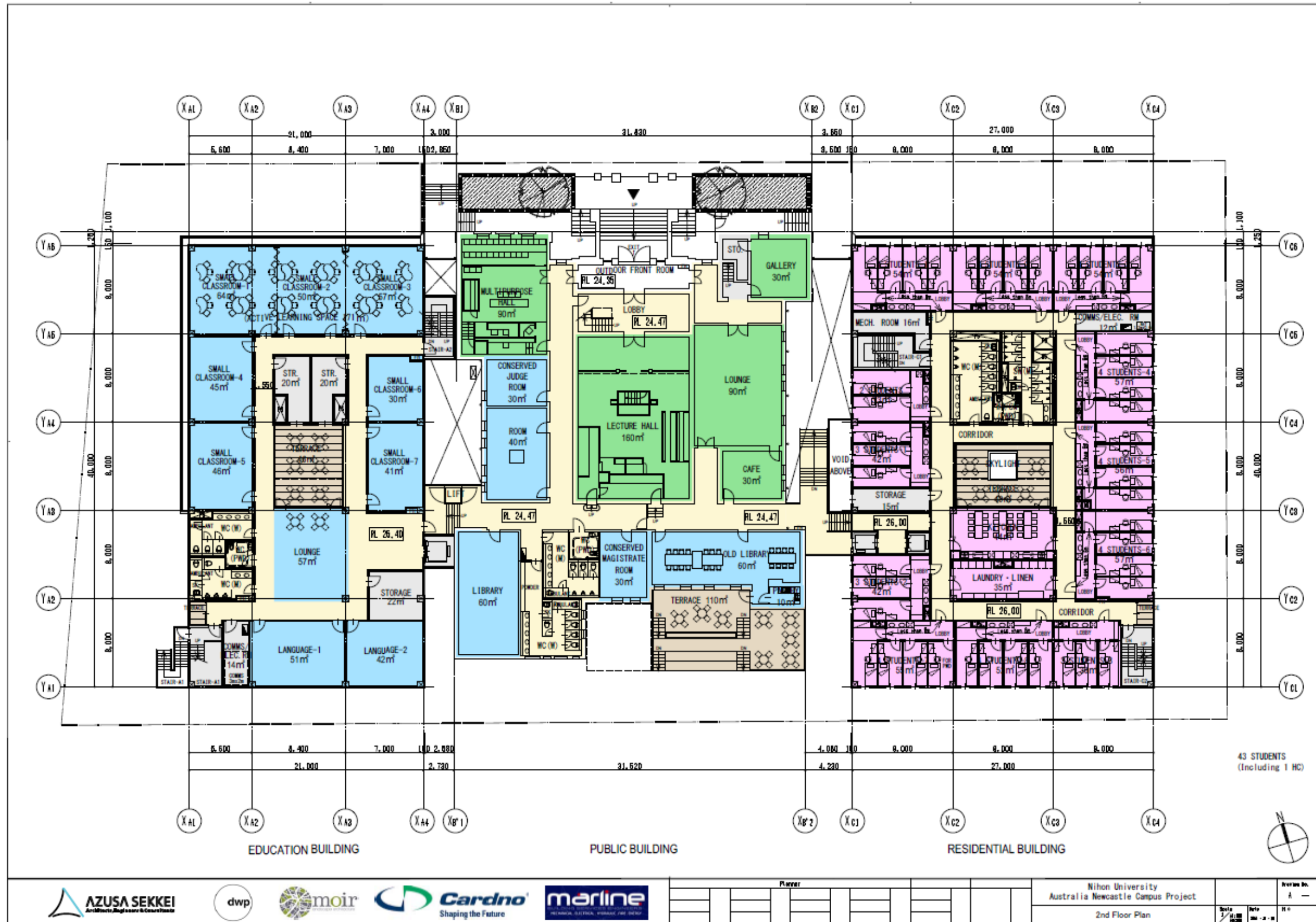


Figure 8.4 Proposed 2<sup>nd</sup> Floor Plan.  
Azusa Sekkei A-110.

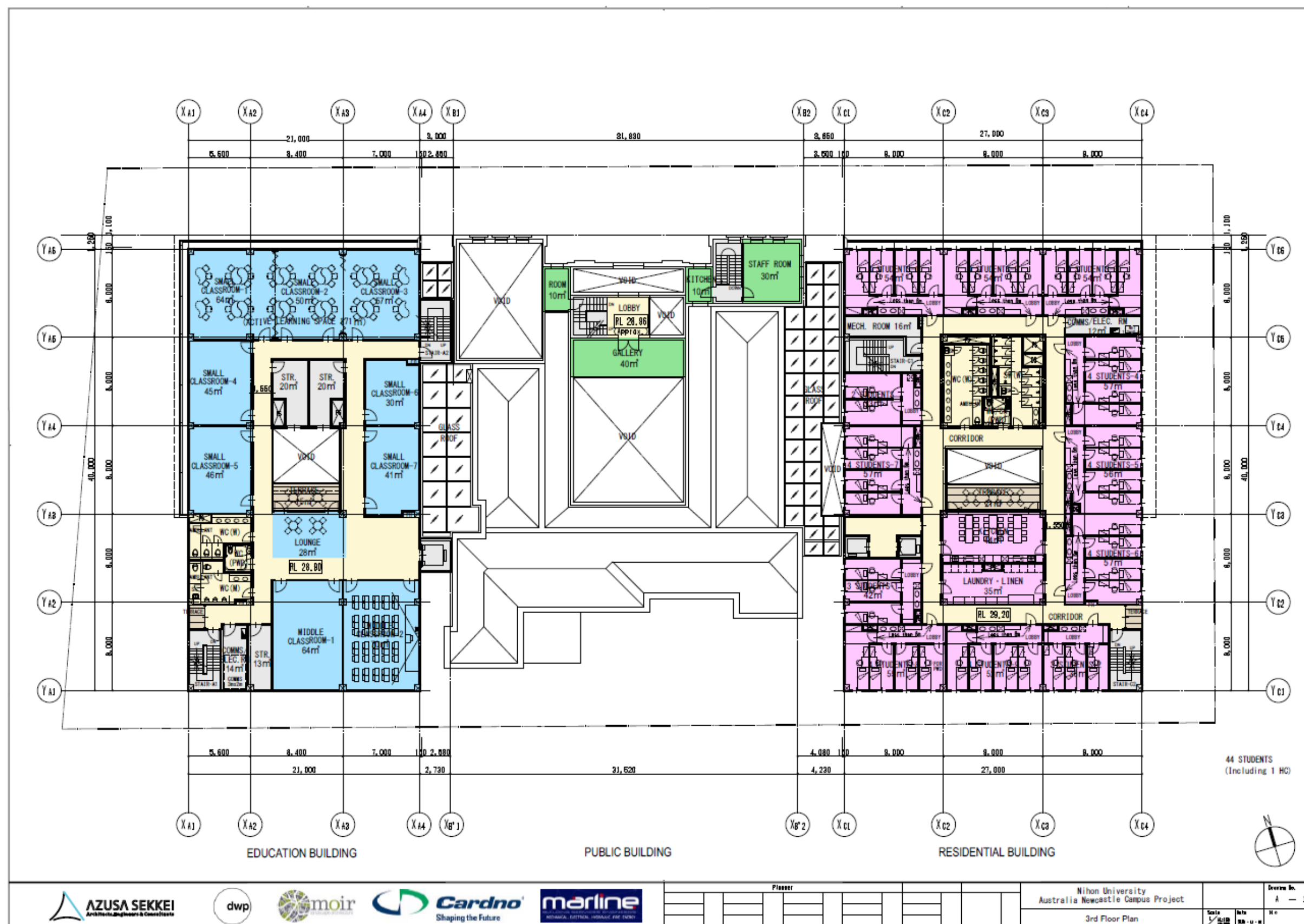


Figure 8.5 Proposed 3<sup>rd</sup> Floor Plan.  
Azusa Sekkei A-111.







Figure 8.7 Sections – 1.  
Azusa Sekkei A-123.

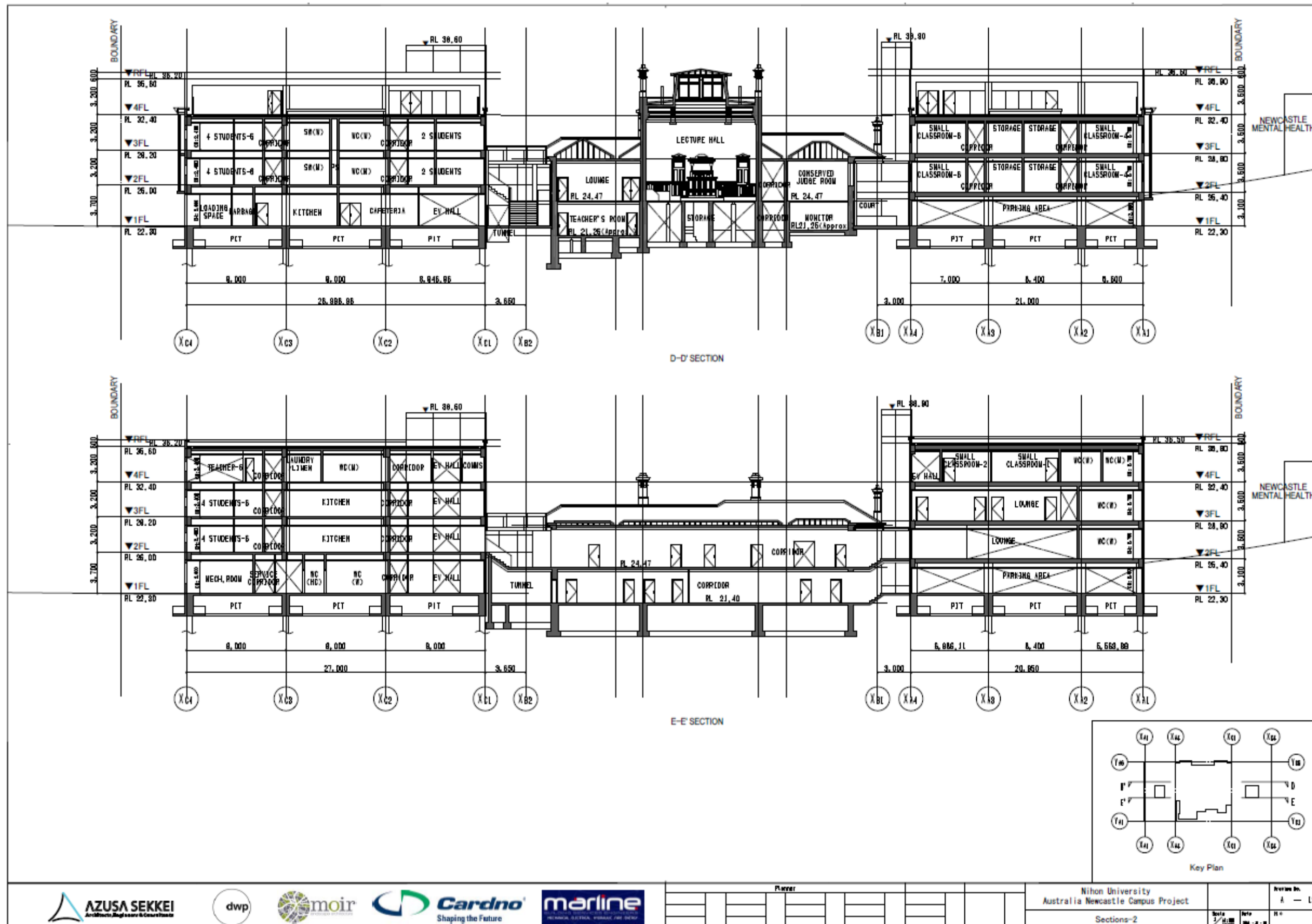


Figure 8.8 Sections – 2.  
Azusa Sekkei A-124.

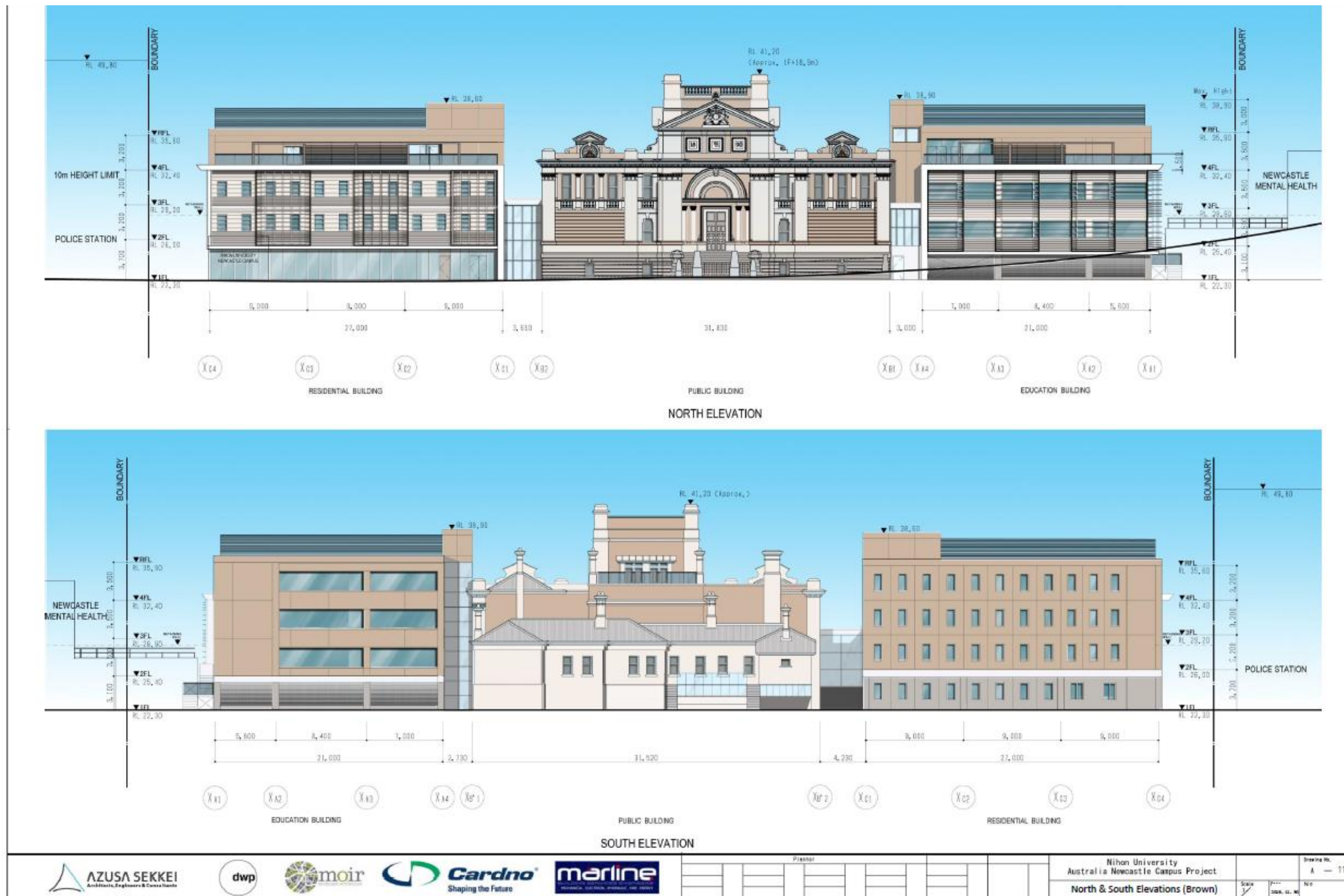
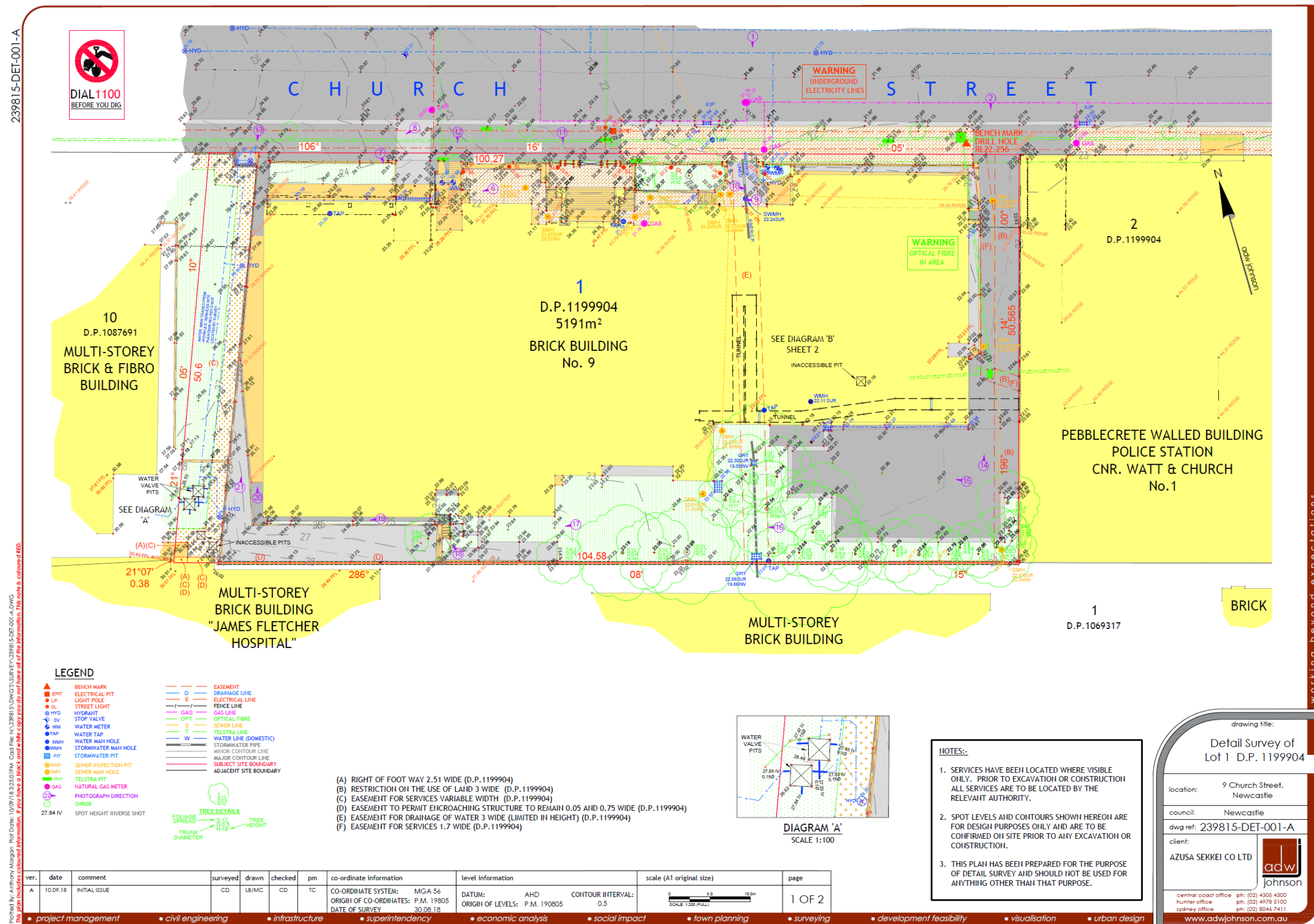


Figure 8.9 Option – 1 Elevations – 1.  
Azusa Sekkei A-114.





**Figure 8.10 Survey Plan.**  
ADW Johnson (2018) Drawing No. 239815-DET-001-A

## 9.0 MANAGEMENT AND MITIGATION

The management recommendations presented in the following section of the report take into account the following:

- Legislation outlined in this report which protects Aboriginal cultural and archaeological objects and places in New South Wales;
- Research and assessment carried out by the author/s of this report;
- Results of previous archaeological assessment and excavation in the vicinity of the study area;
- The impact of the proposed development on any Aboriginal archaeological material that may be present;
- The requirements of the consent authority (NSW Department of Planning & Environment).

### 9.1 CARE AND CONTROL

If any archaeological material is recovered it shall be subject to a care and control agreement established after the nature and significance of the archaeological or cultural material is understood as per requirement 26 of the *Code of Conduct for the investigation of Archaeological objects in NSW*.

### 9.2 RECOMMENDATIONS

A background analysis of the environment and archaeological context revealed that the study area has moderate/major surface disturbances however due to the deep soil profile of the soil landscape it is still likely for *insitu* or non *insitu* Aboriginal objects and/or deposits of conservation value being present. Hunter region and Central Coast Aboriginal Cultural Landscape Map (Section 5.5) indicates the area to be of spiritual and ceremonial significance and as such further investigation into the Aboriginal cultural heritage of the study area should take place which involves full community consultation with Registered Aboriginal Stakeholders, which as previously indicated has already commenced. Although the area may have low archaeological significance it may however hold high cultural significance with intrinsic value to the Aboriginal community.

The surrounding landscape features present do indicate that sub-surface Aboriginal objects and/or deposits are likely in undisturbed areas and are likely to be considered of low to moderate Aboriginal archaeological significance.

The proposed activity is not:

- located within a sand dune system, or;
- located within 200m below or above a cliff face, or;
- within 20m of or in a cave, rock shelter, or a cave mouth.
- located on a ridge top, ridge line or headland, or;

The study area is:

- located within 200m of waters

Based on the locale of water and major water tributaries such as the Hunter River and Newcastle Beach, it is likely that Aboriginal movement and land use would be channelled

to this location and therefore the site may hold information regarding cultural activities of the area.

In accordance with the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974 (DECCW, 2010)*, it is recommended that further archaeological and cultural assessment is required and in accordance with *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974 (DECCW, 2010)*.

The following recommendations have been formulated after consultation with the proponent and the RAPs;

- Further assessment was required in the form of a full Aboriginal Cultural Heritage Assessment, including full Aboriginal community consultation in accordance with Part 6; National Parks and Wildlife Act, *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW, 2010) AMAC have been commissioned to proceed with this has been undertaken and this document and appendices constitute this process.
- Subsequent to this report and in accordance with the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010)*, a program of systematic, sub surface archaeological test excavation in accordance with the *Code Of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 4 National Parks and Wildlife Act 1974 (DECCW 2010)*, should be undertaken to establish the nature and extent of any archaeological objects and/or deposits including sand bodies that are/may be present. AMAC have been commissioned to proceed with this and is currently being undertaken;
- If archaeological test excavation in accordance with the *Code of Practice for Archaeological Investigations of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010)* reveals no Aboriginal archaeological objects or deposits; The proposed development as outlined in Figure 8.1 – 8.10, should be allowed to 'proceed with caution'. The timing of any test excavation will be dependent on the appointment of building contractors and will occur prior to demolition and building excavation works being undertaken on within the study area.
- If archaeological test excavation in accordance with *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974 (DECCW 2010)* reveals Aboriginal archaeological objects or deposits; once the nature and extent of the archaeological site has been established through test excavation. This data is to be analysed and synthesised into a test excavation report and is to accompany the application of an Aboriginal Heritage Impact Permit (AHIP) or and Aboriginal Cultural Heritage Management Plan if the development achieves State Significant Development (SSD) status. This may entail further excavation or other mitigative strategies Amendment of the full Aboriginal Cultural Heritage Assessment, including full Aboriginal community consultation in accordance with Part 6; National Parks and Wildlife Act, *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW, 2010) will need to occur to include test excavation results:
- After this and before any ground disturbance takes place all development staff, contractors and workers should be briefed prior to works commencing on site, as to the status of the area and their responsibilities in ensuring preservation of the



said area. They should also be informed of their responsibilities regarding any Indigenous archaeological deposits and/or objects that may be located during the following development;

**Should any human remains be located during the following development;**

- All excavation in the immediate vicinity of any objects of deposits shall cease immediately;
- The NSW police and OEH's Enviroline be informed as soon as possible:
- Once it has been established that the human remains are Aboriginal ancestral remains, OEH and the relevant Registered Aboriginal Parties will identify the appropriate course of action.

## GLOSSARY

Term	Definition
Aboriginal/ Aborigine	These terms apply to indigenous Australians throughout time.
Aboriginal Object	A term now used (formerly 'relic') within the NSW <i>National Parks and Wildlife Act, 1974</i> to refer to "...any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains."
AHIP	Aboriginal Heritage Impact Permit, issued under Part 6 of the National Parks and Wildlife Act 1974, where harm to an Aboriginal object or Aboriginal place cannot be avoided.
Alluvial	Describes material deposited by, or in transit in flowing water.
AMAC	Archaeological Management and Consulting Group.
Artefact	Any object, usually portable, that has been made or shaped by human hand.
Assemblage	A collection of artefacts found in close proximity with one another often excavated together.
Axe grinding Grooves	Areas on a stone surface where other items such as stone tools, wood or bones have been sharpened.
Basalt	A dark coloured, basic volcanic rock.
Bioturbation	Reworking of sediments through the action of ground dwelling life forms. This can also include soil cracking and root activity.
Broken Flake	A flake fragment which displays only part of the diagnostic features of a complete flake.
BP	Before present (AD1950).
Burial	Sites containing the physical remains of deceased Aboriginal people.
Ceremonial Sites	Places or objects of ceremonial, religious or ritual significance to Aboriginal people.
DCP	Development Control Plan.
DoPE	Department of Planning and Environment
DP	Deposited Plan.
Erosion	Process where particles are detached from rock or soil and transported away principally via water, wind and ice.
Flake	A piece of stone, detached by striking a core with another stone.
Flaking/Knapping	The process of making stone tools by detaching flakes from a piece of stone.
Friable	Easily crumbled or cultivated.
Hard setting	Soil which is compact and hard. It appears to have a pedal structure when dried out.
Heritage Division	Formerly known as the Heritage Branch
Holocene	The period of time since the last retreat of the polar icecaps, commencing approximately 10,000 – 110,000
Intensification	Increased social and economic complexity.

Term	Definition
Landscape Unit	An area of land where topography and soils have distinct characteristics, are recognisable, describable by concise statements and capable of being represented on a map.
Laminite	A thinly bedded, fine grained sedimentary rock.
LEP	Local Environment Plan.
LGA	Local Government Area.
Lithics	A term used to describe stone and stone artefacts.
Loam	A medium textured soil of approximate composition of 10- 25% clay, 25-50% silt and 2% sand.
Loose	A soil which is not cohesive.
Matrix	Finer grained fraction, typically a cementing agent within soil or rock in which larger particles are embedded.
Midden	Aboriginal occupation site consisting chiefly of shells, which can also include bone, stone artefacts and other debris.
NPW Act	National Parks and Wildlife Act 1974
OEH	NSW Office of Environment and Heritage (formerly known as the DECCW)
Open Campsite	A surface accumulation of stone artefacts and/ or other artefacts exposed on the ground surface.
Potential Archaeological Deposit (PAD)	An area where no surface archaeological remains are visible but where it has been assessed that there is some potential for sub-surface archaeological remains to be present.
Ped	An individual, natural soil aggregate.
Pedal	Describes a soil in which some or all of the soil material occurs in the form of peds in a moist state.
Plastic	Describes soil material which is in a condition which allows it to undergo permanent deformation without appreciable volume change or elastic rebound and without rupture.
Pleistocene	The epoch of geological time starting 1.8 million years ago.
RAP	Registered Aboriginal Parties
Rock Painting	Encompassing drawing, paintings or stencils that have been placed on a rock surface usually within a rock shelter.
Rock Engraving	Pictures which have been carved, pecked or abraded into a rock surface, usually sandstone and predominantly open, flat surfaces.
Sandstone	A detrital sedimentary rock with predominantly sand sized particles.
Scarred/ Carved Tree	A tree from which bark has been deliberately removed.
Sclerophyll	Denoting the presence of hard stiff leaves, typically used to classify forest and indicative of drier conditions.
Sedimentation	Deposition of sediment typically by water.
Silcrete	A sedimentary rock comprising of quartz grains in a matrix of fine grained – amorphous silica.
Silt	Fine soil particles in size ranges of 0.02 – 0.002mm.
Slope	A landform element inclined from the horizontal at an angle measured in degrees or as a percentage.
SHI	State Heritage Inventory
SHR	State Heritage Register

Term	Definition
Subsoil	Subsurface material comprising the B and C horizons of soils with distinct profiles.
Stone Resource Site	A geological feature in the landscape from which raw material for the manufacture of stone tools was obtained.
Texture	The coarseness or fineness of a soil as measured by the behaviour of a moist ball of soil when pressed between the thumb and forefinger.
Topsoil	A part of the soil profile, typically the A1 Horizon, containing material, which is usually darker, more fertile and better structured than the underlying layers.
Weathering	The physical and chemical disintegration, alteration and decomposition of rocks and minerals at or near the earth's surface by atmospheric and biological agents.

## REFERENCES

### ABORIGINAL HERITAGE AND INFORMATION MANAGEMENT SYSTEM

2011 & 2012 [www.environment.nsw.gov.au/awssapp](http://www.environment.nsw.gov.au/awssapp)

### ARCHAEOLOGICAL HERITAGE MANAGEMENT SOLUTIONS

2001 *Archaeological Assessment Report*. Unpublished Report for Accor Asia Pacific Pty Ltd, submitted to DECC.

### ARCHAEOLOGICAL MANAGEMENT AND CONSULTING

2014 *Proposed NeW Space Development, Corner Auckland and Hunter Streets, Newcastle, NSW; Aboriginal Cultural Heritage Management Plan*. Unpublished Report to OEH

2008 *Archaeological Assessment, Pilot Station, Wharf Road, Newcastle, NSW*. Unpublished Report for Newcastle Ports Corporation submitted to NSW Heritage Branch.

2014 *Proposed Development 11-15 Watt Street, Newcastle, NSW; Aboriginal Cultural Heritage Assessment*. Unpublished Report to OEH

2014 *Proposed NeW Space Development, Corner Auckland and Hunter Streets, Newcastle, NSW; Aboriginal Cultural Heritage Management Plan*. Unpublished Report to OEH

2017 *NeW Space Development, Corner Auckland and Hunter Sts, Newcastle, NSW; Aboriginal Final Excavation Report*. In Press.

### ATTENBROW, V.

2002 *Sydney's Aboriginal Past: Investigating the archaeological and historical records*. UNSW Press, Sydney.

### AUSTRALIA ICOMOS

1999 *The Australia ICOMOS Charter for Places of Cultural Significance (Burra Charter)*. Australia ICOMOS, Canberra.

### AUSTRALIAN HERITAGE COMMISSION

2002 *Ask First: A guide to respecting Indigenous heritage places and values*. Australian Heritage Commission, Canberra.

### AUSTRALIAN INSTITUTE OF ABORIGINAL AND TORRES STRAIT ISLANDER STUDIES.

2000 *Aboriginal Australia*. Australian Institute of Aboriginal and Torres Strait Islander Studies, Canberra.

### BRANGAN, D, C. HERBERT AND T. LANGFORD-SMITH.

1979 *The Sydney Basin: An outline of the Geology and Geomorphology*. University of Sydney, Sydney.

### BRAYSHAW, H.

1985 *Archaeological Survey at Lambton, Newcastle*. Unpublished Report for Resource Planning submitted to DECC.

### BURKE, H AND C. SMITH.

2004 *The Archaeologists Field Handbook*. Allen & Unwin, St Leonards, NSW.

COLEMAN, J.

1982 *A new look at the North Coast: Fish traps and villages*. In S. Bowdler (ed) Coastal Archaeology in Eastern Australia. Australian National University, Canberra.

COMMONWEALTH HERITAGE LIST

2011

[www.environment.gov.au/cgi-bin/ahdb/search.pl?mode=search\\_results;state=N;list\\_code=CHL;legal\\_status=35](http://www.environment.gov.au/cgi-bin/ahdb/search.pl?mode=search_results;state=N;list_code=CHL;legal_status=35)

DALLAS, M

2004 *Aboriginal Womens Heritage: Port Stephens*. Department of Environment and Conservation. Sydney.

DEC

2004 *Aboriginal Womens Heritage: Port Stephens*. Department of Environment and Conservation. Sydney.

DECC

2005 *Aboriginal Scarred Trees in New South Wales: A Field Manual*. Department of Environment and Climate Change, Sydney.

DECCW

2010 *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974*. Department of Environment, Climate Change and Water, Sydney.

2010 *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974*. Department of Environment, Climate Change and Water, Sydney.

2010 *Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974*. Department of Environment, Climate Change and Water, Sydney.

2010 *Part 6; National Parks and Wildlife Act Aboriginal Cultural Heritage Consultation Requirements for Proponents*. Department of Environment, Climate Change and Water, Sydney.

DEPARTMENT OF PLANNING

2005 *The NSW Comprehensive Coastal Assessment Tool Kit*. NSW Government.

FOLEY, R.A

1981 A model of Regional Archaeological Structure. *Proceedings of the Prehistoric Society* 47: 1-17.

GOODWIN, L

1999 Two steps forward, one back. Some thoughts on settlement models for the North Coast of New South Wales. In *Australian Coastal Archaeology* edited by Jay Hall and Ian J McNiven. ANH Publications, Canberra.

GUNTHER, B.

1998 *Aboriginal site survey for the proposed drainage flood channel at South Creek (Kemps Creek)*. Report prepared for Liverpool Council.



HALL, R AND K. LOMAX

1996 A Regional Landscape Approach to the Management of Stone Artefact Sites in Forested Uplands in Eastern Australia. *Australian Archaeology* 42: 35- 38.

HISCOCK, P.

2008 *Archaeology of Ancient Australia*. Routledge, London & New York.

HOLDAWAY, S AND N. STERN.

2004 *A Record in Stone: The Study of Australia's Flaked Stone Artefacts*. Aboriginal Studies Press, Melbourne.

MATTHEI, L.

1990 *Soil Landscapes of Newcastle 1:100 000 Sheet*. Soil Conservation Service of NSW, Sydney.

1995 *Newcastle Soil Landscape Series Sheet 9029-9129. 1:100 000 Sheet*. Soil Conservation Service of NSW, Sydney.

MCBRYDE, I.

1976 *Subsistence patterns in New England Prehistory*. University of Queensland Occasional Papers in Anthropology. 6:48 – 68.

MULVANEY, J. AND J. KAMMINGA

1999 *Prehistory of Australia*. Allen & Unwin, St Leonards, NSW.

NATIONAL HERITAGE LIST

2011 [www.environment.gov.au/heritage/places/national/index.html](http://www.environment.gov.au/heritage/places/national/index.html)

NATIONAL NATIVE TITLE TRIBUNAL

2011 [www.nntt.gov.au](http://www.nntt.gov.au)

NEW SOUTH WALES HERITAGE BRANCH

2011 *New South Wales Heritage Register*.  
[www.heritage.nsw.gov.au/07\\_subnav\\_04.cfm](http://www.heritage.nsw.gov.au/07_subnav_04.cfm)

NEW SOUTH WALES GOVERNMENT

1974 *National Parks and Wildlife Act*. New South Wales Government, Sydney.

1979 *Environmental Planning and Assessment Act*. New South Wales Government, Sydney.

1983 *Land Rights Act*. New South Wales Government, Sydney.

1993 *Native Title Act*. New South Wales Government, Sydney.

1999 *Environmental Protection and Biodiversity Conservation Act*. New South Wales Government, Sydney.

NEW SOUTH WALES NATIONAL PARKS AND WILDLIFE SERVICE

1997 *Aboriginal Cultural Heritage: Standards and Guidelines Kit*. NSW National Parks and Wildlife Service.

NEWCASTLE CITY COUNCIL

2012 Development Control Plan

2012 Local Environmental Plan

SILCOX, R.

1995 *Archaeological Survey of Land Proposed for Rezoning, Garden Suburb, Newcastle, New South Wales*. Unpublished Report for Michael Apitz & Associates, submitted to DECC

STRAHLER, A.N,

1957 Quantitative analysis of watershed geomorphology. *American Geophysical Union Transaction*, 33: 913-920.

## APPENDIX

### APPENDIX ONE: AHIMS RESULTS



Office of  
Environment  
& Heritage

#### AHIMS Web Services (AWS) Extensive search - Site list report

Your Ref/PO Number : Newcastle Courthouse  
Client Service ID : 398312

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
38-4-0525	Catholic Education Site	AGD	56	385680	6355710	Open site	Valid	Artefact : -	Open Camp Site	100771
	<u>Contact</u>							<u>Permits</u>		
38-4-0454	Yirannaii	AGD	56	386150	6355450	Open site	Valid	Aboriginal Ceremony and Dreaming : -	Natural Mythological (Ritual)	1333
	<u>Contact</u>							<u>Permits</u>		
38-4-0796	200 Hunter Street PAD	AGD	56	385787	6356006	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	<u>Contact</u> T Russell							<u>Permits</u>	2045,2049	
38-4-0957	NCL 931	AGD	56	386400	6356000	Open site	Valid	Artefact : -		
	<u>Contact</u> T Russell							<u>Permits</u>		
38-4-1020	Coutts Sailors Home PAD1	AGD	56	386358	6355971	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	<u>Contact</u> T Russell							<u>Permits</u>	2734	
38-4-1084	Newcastle CBD PAD	AGD	56	385850	6355900	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	<u>Contact</u>							<u>Permits</u>	3008,4225,4248	
38-4-1205	Restriction applied. Please contact ahims@environment.nsw.gov.au.					Open site	Valid			
	<u>Contact</u> Awabakal LALC							<u>Permits</u>		
38-4-1632	TA1 Newcastle	GDA	56	386378	6356088	Open site	Destroyed	Artefact : -		
	<u>Contact</u>							<u>Permits</u>	3683	
38-4-1695	11-15 Watt St IF 1	AGD	56	386381	6356080	Open site	Valid	Artefact : -		
	<u>Contact</u>							<u>Permits</u>	3814,3966	
38-4-1960	Newcastle Signal Box IF	GDA	56	386076	6356240	Open site	Destroyed	Artefact : -		
	<u>Contact</u>							<u>Permits</u>		

Report generated by AHIMS Web Service on 12/02/2019 for Benjamin Streat for the following area at Lot : 1. DP:DP1199904 with a Buffer of 1000 meters. Additional Info : carefully. Number of Aboriginal sites and Aboriginal objects found is 10  
This information is not guaranteed to be free from error omission. Office of Environment and Heritage (NSW) and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

Page 1 of 1