

ABORIGINAL CULTURAL HERITAGE ASSESSMENT

Lot 2889 DP1230906

Marsden Park New Primary School

**Corner of Northbourne Drive (east) and
proposed future road (north), Elara Estate.
Marsden Park, NSW
(Blacktown LGA)**



Archaeological



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Archaeological Management and Consulting
Group & Streat Archaeological Services Pty Ltd

**For
Schools Infrastructure NSW**

**Version 5
September 2019**

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Cover Image

Site inspection image of study site
AMAC (2018) IMG_1080

ACKNOWLEDGEMENT OF COUNTRY

Schools Infrastructure NSW would like to acknowledge the Traditional Custodians of the western Sydney Area– the Darug peoples– and pay respect to their cultural heritage, beliefs and continuing relationship with the land.

Schools Infrastructure NSW would also like to acknowledge the post contact experiences of Aboriginal peoples who have attachment to the Sydney 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”.

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

Schools Infrastructure NSW 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

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EXECUTIVE SUMMARY

Background

This Aboriginal Cultural Heritage Assessment and supporting Aboriginal Archaeological Assessment has been prepared by Archaeological Management and Consulting Group (AMAC) in conjunction with Streat Archaeological Services Pty Ltd (SAS) on behalf of Schools Infrastructure NSW (SINSW) (the Applicant). It accompanies an Environmental Impact Statement (EIS) in support of State Significant Development Application (SSDA) #9809 for the Marsden Park New Primary School at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park (the site).

The site is legally described as Lot 2889 in Deposited Plan 1230906. The development footprint does not include a portion of the site to the west as this is reserved for a future alternative use.

The Marsden Park New Primary School will cater for 1,000 primary school students at completion. The proposal seeks consent for:

- Construction Stage 1 (Temporary School): a temporary school facility constructed within the western portion of the development site located on the future sports grounds. This temporary school facility is to accommodate a maximum of 500 students at any given time. Should the permanent school progress as per the program, the temporary school will not be required.
- Construction Stage 2 (Construction of Permanent School Facility): a permanent consolidated two storey courtyard building with capacity to accommodate a maximum of 1,000 students. This new school building is to comprise
 - 40 teaching spaces;
 - A canteen;
 - Library;
 - Multipurpose hall;
 - Office and administration space;
 - Staff and student amenities; and
 - Out of school hours care accommodation.
- Multi-purpose sporting facilities and outdoor play spaces;
- Associated site landscaping and public domain improvements;
- An on-site car park for 48 parking spaces and a drop-off and pick-up area; and
- Construction of ancillary infrastructure and utilities as required.

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).

There is a mandatory 28-day period for the Aboriginal stakeholders to comment on this document. All comments have been included in this report of which makes up the final Aboriginal stakeholder approved version of this report. A full transcript of all consultation material can be found in AMAC 2019 *Appendix C: Aboriginal Consultation Log; Lot 288 DP 1230906; Marsden Park New Primary School; Corner of Northbourne Drive (east) and proposed future road ((north), Elara Estate; Marsden Park, NSW; (Blacktown LGA).*

Recommendations

A background analysis of the environment and archaeological context revealed that the study site has moderate - high surface disturbances in response to an early works programme associated with the subdivision of the wider Marsden Park Precinct. As part of these early works, test excavation was undertaken by GML Heritage in 2013 which resulted in the application of an Aboriginal Heritage Impact Permit (AHIP). This permit is currently still active and as such no further investigation is necessary.

A search of the Aboriginal Heritage Information Management System (AHIMS) database as well as the Blacktown Marsden Park Precinct DCP 2016 has revealed a registered site (AHIMS Site #45-5-2752), bordering the northern boundary of the study site. This registered site contains 3 artefacts within a disturbed context. The registered site's close proximity to the study area indicate that the proposed future works will impact said site and will therefore require further investigation.

The following recommendations have been formulated after consultation with the proponent and the Office of Environment and Heritage (OEH);

- The proposed study site is contained to Lot 2889 DP 1230906 (Figure 9.1). The preliminary plans indicate future roads and associated works planned for the surrounding area, of which will directly impact site 45-5-2752, these road works are not subject to this assessment and therefore will require appropriate mitigation to take place such as either an AHIP or ACHMP depending on the development status of the proposed future works;
- 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:

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1.0 INTRODUCTION

1.1 BACKGROUND

This Aboriginal Cultural Heritage Assessment and supporting Aboriginal Archaeological Assessment has been prepared by Archaeological Management and Consulting Group (AMAC) in conjunction with Streat Archaeological Services Pty Ltd (SAS) on behalf of Schools Infrastructure NSW (SINSW) (the Applicant). It accompanies an Environmental Impact Statement (EIS) in support of State Significant Development Application (SSDA) #9809 for the Marsden Park New Primary School at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park (the site).

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 - Staff and student amenities; and
 - Out of school hours care accommodation.
- Multi-purpose sporting facilities and outdoor play spaces;
- Associated site landscaping and public domain improvements;
- An on-site car park for 48 parking spaces and a drop-off and pick-up area; and
- Construction of ancillary infrastructure and utilities as required.

1.1.1 Response to SEARs

The Aboriginal Cultural Heritage Assessment is required by the Secretary's Environmental Assessment Requirements (SEARs) for SSD #9809. This table identifies the SEARs key issue 11: Aboriginal Cultural Heritage, with relevant reference within this report.

Table 1.1 SEARs and Relevant Reference

SEARs Item	Report Reference
An ACHAR must be prepared	Subsection 1.1
The environmental assessment must identify and describe the Aboriginal cultural heritage values that exist across the whole area that will be affected by the development and document these in an Aboriginal Cultural Heritage Assessment Report (ACHAR)	Section 8.0
Surface Survey	Subsection 6.1
Test Excavation	Subsection 6.2
The identification of cultural heritage values must be conducted in accordance with the <i>Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW</i> (OEH 2010)	Subsection 2.5
Guided by <i>Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW</i> (DECCW 2011).	Subsection 2.6
Consultation with Aboriginal people must be undertaken and documented in accordance with the <i>Aboriginal cultural heritage consultation requirements for proponents</i> (DECCW 2010).	Section 4.0
The significance of cultural heritage values for Aboriginal people who have cultural association with the land must be documented in the ACHAR	Section 7.0
Impacts on Aboriginal cultural heritage values are to be assessed and documented in the ACHAR	Section 9.0
The ACHAR must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes.	Section 10.0
Where impacts are unavoidable, the ACHAR must outline measures proposed to mitigate impacts.	Section 10.0
Any objects recorded as part of the assessment must be documented and notified to OEH	Section 10.0

1.1.2 Aboriginal Heritage Impact Permit #C0000307

The study site currently has a valid and active AHIP (Permit ID: 3685) in place. This permit is in the process of having the permit holder name changed to reflect the new owner of the land which is Schools Infrastructure NSW. A copy of the permit is provided in appendix one. This permit was originally approved and commenced on the 4th April 2014 and is valid for 10 years.

1.2 STUDY SITE

The study site is that piece of land described as Lot 2889 of the Land and Property Information, Deposited Plan 1230906, at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park in the Parish of Rooty Hill, County of Cumberland (Figure 3.1 – Figure 3.2).

The development footprint does not include a portion of the site to the west as this is reserved for a future alternative use.

Lot	Deposited Plan
2889	1230906

1.3 SCOPE

The aims of this assessment are, to assess the Aboriginal archaeological potential of the study site 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 site. 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. All comments have been included in this report of which makes up the final Aboriginal stakeholder approved version of this report. A full transcript of all consultation material can be found in AMAC 2019 *Appendix C: Aboriginal Consultation Log; Lot 288 DP 1230906; Marsden Park New Primary School; Corner of Northbourne Drive (east) and proposed future road ((north), Elara Estate; Marsden Park, NSW; (Blacktown LGA).*

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;

- Mathew Wood of Department of Education – Education School Infrastructure;
- Richard Sheraton of Ontoit Global Pty Ltd;
- Darug Land Observation;
- Muragadi;
- Elouera;
- Gunyuu;
- Eora;
- Walbunja;
- Djiringanj;
- Dharug Dharug;
- Curwur Murre;
- Bullawaya;
- Murra Bidgee Mullangari;
- Bidawal;
- Badu;
- Tharawal CHTS;
- Bilinga CHTS;
- Gangangarra;
- Kuringgai;
- Munyunga;
- Murrin;
- Gunjeewong Cultural Heritage Aboriginal Corp;
- Didge Ngunawal Clan;
- Ngarigo;
- Ngunawal;
- Nundagurri;
- Walbunja Elders;
- Gulla Gunar;
- Golangaya;
- Gadung;
- Bulling Gang;
- Yerramurra;
- Wingikara;
- Wandandian;
- Thauaira;
- Walgalu;
- Tocomwall;
- Merrigarn Indigenous Corp.;
- Wailwan Aboriginal Group;
- Yurrandaali Cultural Services;
- Murrumbul;
- Darug Custodian Aboriginal Corp.;
- Darug Aboriginal Cultural Heritage Assessments
- Deerubbin Local Aboriginal Land Council;

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, or*
- (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, or*
- (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 3.1 and 3.4 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 4.15 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).

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).

2.2.7 North West Priority Growth Area 2017

The study site is located within the North West Growth Centre pursuant to State Environmental Planning Policy. Section 5, Subsection 5.2.7 Aboriginal and European Heritage, outlines the general heritage considerations as part of the precinct planning process. These considerations can be seen below.

Due consideration given to Aboriginal and European heritage is given during the precinct planning process. To complete the analysis across the growth area, Archaeological and Heritage Management Solutions Pty Ltd (AHMS, June 2015) produced an Aboriginal and Historic Heritage Gap Analysis for the two remaining unreleased Priority Precincts within the Growth Area, Shanes Park and West Schofields.

The study found that there are a number of localities that are worthy of further assessment in West Schofields while there is an absence of listed sites in Shanes Park despite the fact that this parcel of land formed part of one of the earliest land grants in the region – John Harris' 'Shanes Park' Estate.

These areas are characterised by the Cumberland Plain subregion and, from an Aboriginal heritage perspective, are archaeologically similar to the rest of the Priority Growth Area. The areas have several key waterways including South Creek, Ropes Creek, Eastern Creek, and Bells Creek, and therefore have potential for cultural sites along these, similar to those found elsewhere along Second Ponds Creek and the Hawkesbury Nepean River.

There is also some limited potential for culturally modified (scarred) trees to be present in areas with remnant native vegetation. Recent work by AHMS in the Schofields Dairy Corporation site and the Colebee release area suggests the banks of Eastern Creek contain extensive cultural material (including sites with tens of thousands of stone tools) and are some of the most important deposits currently known in the Cumberland Plain.

Two other areas of key importance were also identified in relation to Aboriginal heritage: Plumpton Ridge and a possible precontact Aboriginal cemetery. These areas will be considered in detail during precinct planning.

This extract identifies the importance of waterways as areas of potential cultural sites. The hydrology of the site including watercourses within the vicinity have been addressed within this report in order to further understand the likelihood of potential Aboriginal objects and/or features of archaeological and/or cultural value within the study site.

2.3 LOCAL PLANNING INSTRUMENTS

2.3.1 Blacktown Marsden Park Precinct DCP 2016

The Blacktown City Council Marsden Park Precinct was endorsed in 2016 under Schedule 6 of the Development Control Plans. Aboriginal Heritage is discussed in Chapter 4.0 General Precinct Controls under Section 4.5. The following section highlights heritage considerations in relation to the Marsden Park Precinct Zone:

4.5 Aboriginal Heritage

Due Diligence

In order to ensure that a person who undertakes activities that may harm Aboriginal objects identified in Figure 3-5 exercises due diligence, a due diligence assessment will be required for those activities.

The Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales is designed to assist individuals and organisations to exercise due diligence when carrying out activities that may harm Aboriginal objects and to determine whether they need to apply for an Aboriginal heritage impact permit (AHIP) under the National Parks and Wildlife Act 1974. The Code of Practice outlines a five-step assessment process:

- Step 1. Establish whether the activity will disturb the ground surface or any culturally modified trees.*
- Step 2. Establish whether there are any (a) relevant confirmed site records on the Aboriginal Heritage Information Management System (AHIMS) sites database or any other sources of information of which a person is already aware, and (b) landscape features that are likely to indicate the presence of Aboriginal objects.*
- Step 3. Establish whether harm to any Aboriginal objects or landscape features identified in Step 2 can be avoided by the proposed activity;*
- Step 4. Undertake further desktop assessment and visual inspection to establish whether there are Aboriginal objects present or whether they are likely.*
- Step 5. Undertake further investigation and impact assessment if required.*

Investigations to support an AHIP application are to be undertaken in consultation with Aboriginal stakeholders including the Darug Aboriginal Cultural Heritage Assessments and the Darug Custodian Aboriginal Corporation.

Consultation and Interpretation

A subdivision Development Application is to detail opportunities for ongoing consultation and interpretation of Aboriginal heritage values.

This document adheres to the steps outlined within the Blacktown Marsden Park Precinct DCP 2016 in the assessment of potential harm and impact to Aboriginal objects and or features of archaeological and or cultural heritage value that may be present. A desktop study has indicated that further investigation in the form of test excavation is to be undertaken and in consultation with the Registered Aboriginal Parties this is currently being undertaken.

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

All works for this report were 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).
- Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW 2011).

3.0 DESCRIPTION OF STUDY SITE

The study site is that piece of land described as Lot 2889 of the Land and Property Information, Deposited Plan 1230906, at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park in the Parish of Rooty Hill, County of Cumberland (Figure 3.1 – Figure 3.2).

The development footprint does not include a portion of the site to the west as this is reserved for a future alternative use.

Lot	Deposited Plan
2889	1230906



Figure 3.1 Aerial of study site.
Study site in red. Six Maps, LPI Online (accessed 08/01/19)

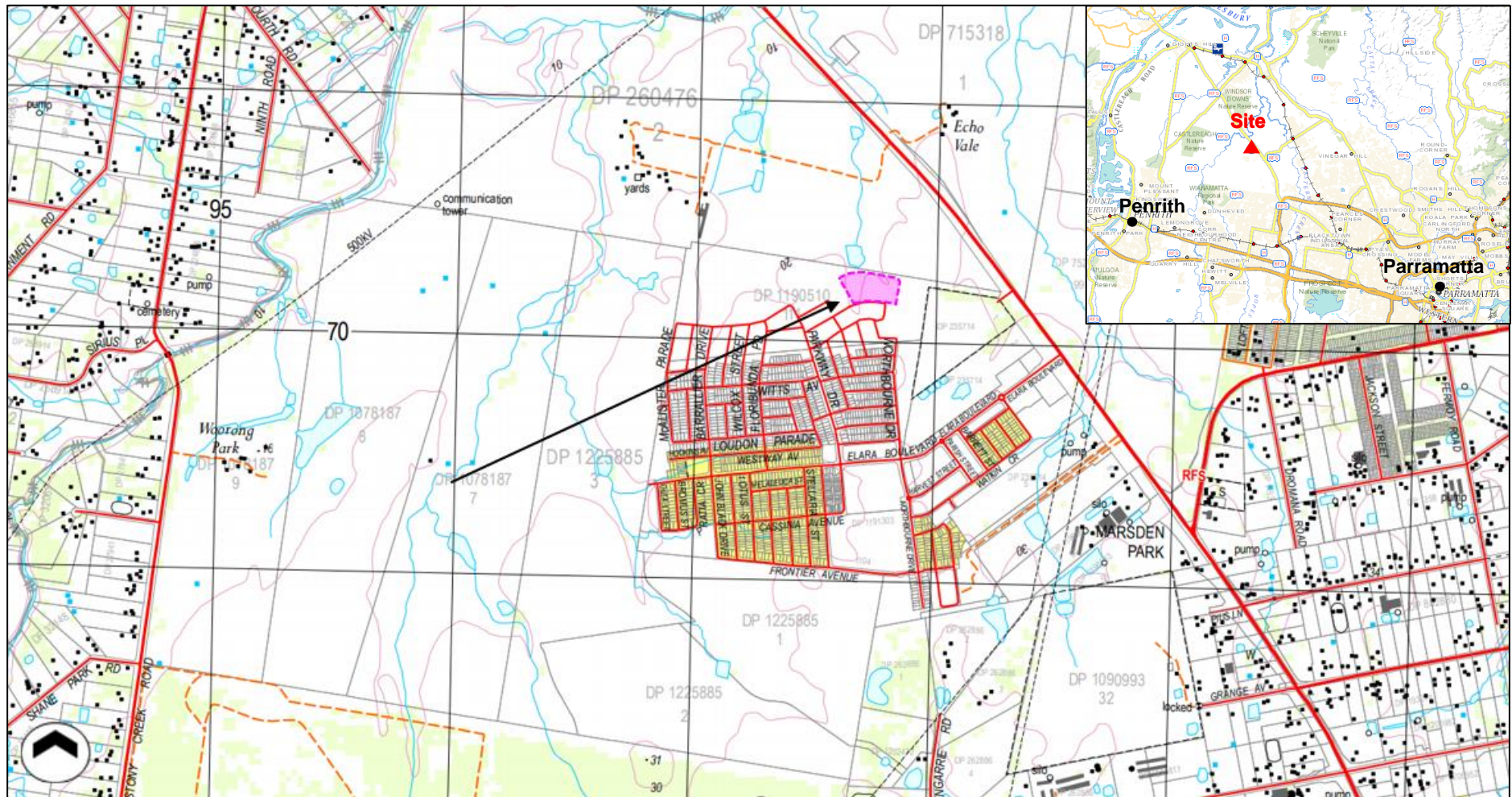


Figure 3.2 Topographic map with site location.
Study site indicated in pink with black arrow. Six Maps, LPI Online (accessed 08/01/19)

3.1 REGISTERED ABORIGINAL SITES NEAR THE STUDY SITE

AHIMS Site 45-5-2752 – C-0S-1

Registered AHIMS site # 45-5-2752 is located on the northern boundary of the study site in the located of the dam within the adjacent property. The site was recorded as part of a survey by Kelton (2001) for the proposed egg packing and detention ponds for the Clydesdale property off Richmond Road, Marsden Park. The location of the site has been subject to minor discrepancies with regards to the geographical coordinates. This marginal differentiation can occur when data is exchanged between datum systems overtime as well as GPS errors. All the information available has been utilised to construct an accurate representation of the location of the registered site (Figure 3.5)

The registered site includes an open campsite with stone artefact scatter, consisting of 3 artefacts

- A tan-brown coloured indurated mudstone flake fragment (14mmx14mmx5mm) with a feather termination;
- A red coloured silcrete flake fragment (17mmx10mmx6mm) with a feather termination;
- A tan coloured indurated mudstone flake (11mmx8mmx3mm) displaying typical conchoidal fracture characteristics including a broad platform, a bulk and feather termination.

The site was considered heavily disturbed on its discovery due to the dam construction and subsequent trampling by watering stock. The surface and shallow sub surface were subject to erosion. The site was believed to have originally included the area encompassing the dam however through its construction the surface scatter of site 45-5-2752 is all that remains of what was believed to be a larger campsite.

The significance assessment of the site indicated it was of low cultural significance, low scientific significance and low education significance due to the disturbed context and structural integrity of the site, there is no further research that can be applied.

The site remains valid within the AHIMS database as it was not subject to impact during the original investigation and proposal undertaken by Kelton (2001).

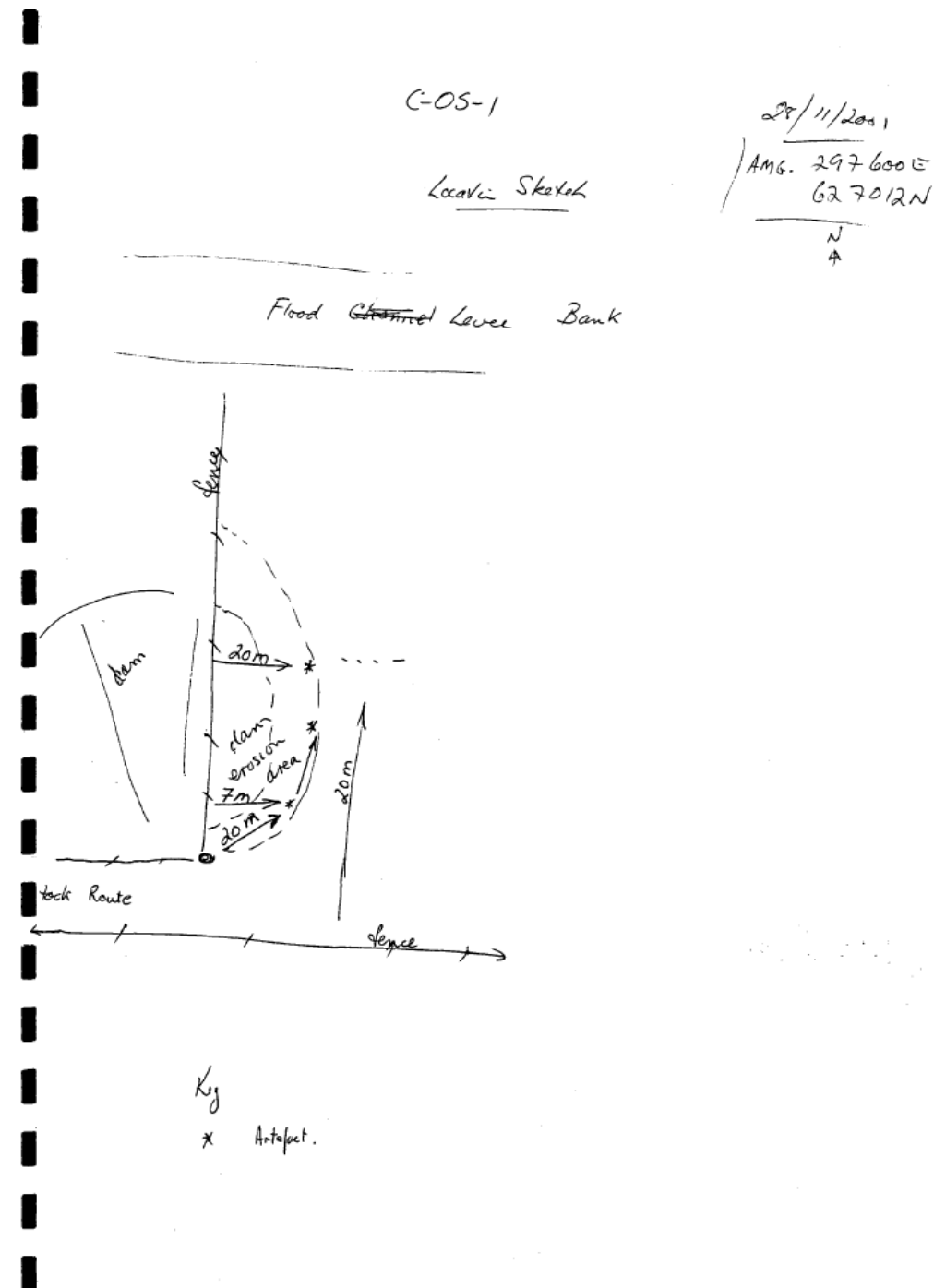


Figure 3.3 45-5-2752 Site Plan
Kelton (2001)

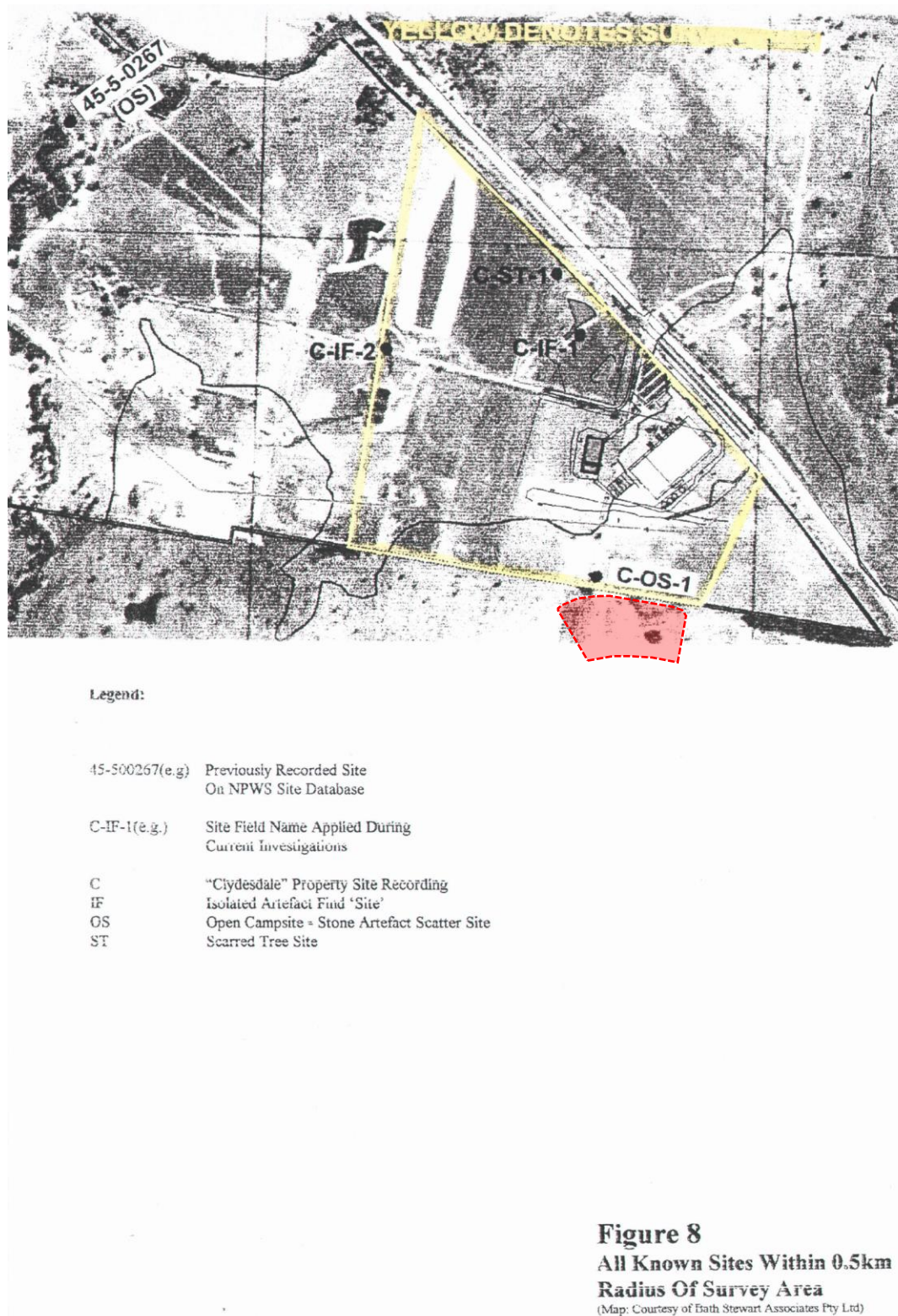


Figure 3.4 Location of registered sites as a result of the survey conducted by Kelton (2001) with current study site indicated in red.
Kelton (2001) AMAC (2019)



Figure 3.5 Study site with approximate artefact location including boundary of dam
Study site indicated in red, approximate artefact location indicated in yellow and current dam indicated in blue with dark blue identifying extent of dam over time. AMAC (2019)

3.2 ENVIRONMENTAL CONTEXT

To adequately understand and assess the potential Aboriginal archaeological resource that may be present within the study site it is vital to understand the environment in which the Aboriginal inhabitants of the study site 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 site lies between the lower terraces of the Hawkesbury/Nepean River System. It intersects a number of major tributaries including South Creek and Agnes Banks.

The study site extends over one topographic zone, that belonging to the Berkshire Park (bp) alluvial landscape which consists of mostly flat terrace tops as well as gently undulating low rises, that have been modified to include small drainage channels and lines for agricultural purposes. The area can be prone to flooding and seasonal waterlogging.

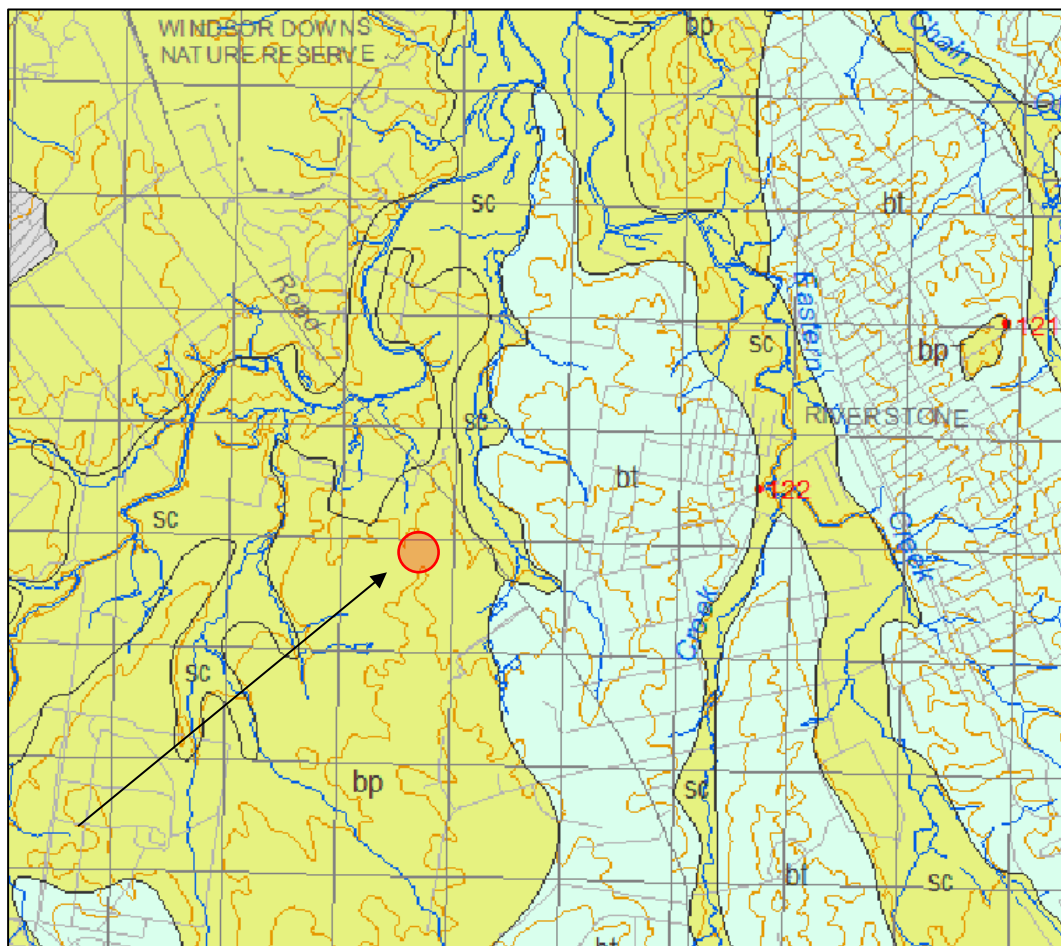


Figure 3.6 Study site on soil map
Study site in red with black arrow. Soil Landscapes of the Penrith 1:100 000 Sheet Report (Hazelton *et al*)

3.2.2 Geology and Soils

The soil landscape map for the Penrith 1:100 000 map sheet shows that the study site lies on the Berkshire Park (bp) soil landscape (Bannerman & Hazelton, 1990).

The geology of the study site consists of three depositional phases of Tertiary alluvial/ colluvial origin. This includes the following sandstone and clay formations, St Mary's overlain by the Rickabys Creek gravel formation, which varies in thickness across the region, and is then topped by the Londonderry Clay.

The Berkshire Park (bp) soil profile is made up of weakly pedal clays and clayey sands. In high wind erosion and sheet erosion is likely in cleared/ exposed areas.

N.B lower in the landscape where drainage conditions are poor there can be a thin (<20cm) layer of bp1 or bp2. On flats and drainage lines there can be up to 50cm of bp2. Most areas consist of 50cm of sandy clay (bp3) overlaying >50cm of high chroma clay (bp4) for a total depth of <450cm.

Table 3.1 Description of dominant soil material

Soil Material	Soil Horizon	Description
bp1	A1 Horizon	brownish black fine sandy loam to silt loam with apedal single grained structure and is very porous. Can also be found as bright reddish brown. Roots and charcoal do not occur.
bp2	A2 Horizon	reddish brown – yellowish brown sandy to fine sandy clay loam with a porous sandy fabric, however can be hardsetting.no inclusions.
bp3	B Horizon	brown sandy (slightly silty) clay with porous sandy fabric. It has a weak structure and may contain mottles, usually orange in colour, ironstone nodules are common.
bp4	B2 Horizon (deep subsoil)	bright coloured reddish brown to bright yellowish brown with white/ grey pipes are common as well as mottles of orange or red. This soil is light – heavy clay and can contain up to 90% stones.

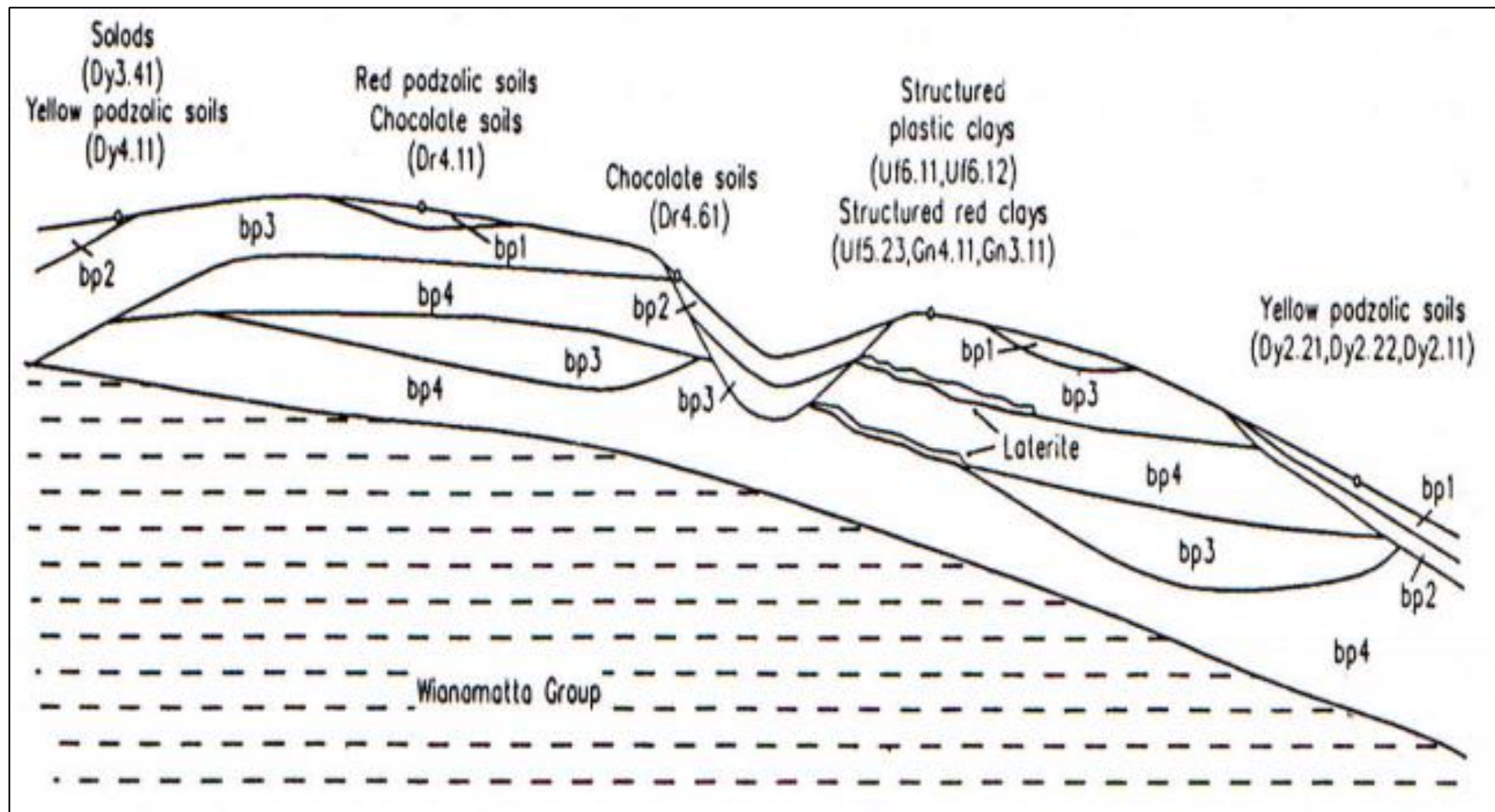


Figure 3.7 Cross Section of soil landscape illustrating relationships between landscape features and dominant soil materials.
Soil Landscapes of the Penrith 1:100 000 sheet report (Bannerman and PA Hazelton 1990)

3.2.3 Watercourses

The study site is located south approximately 4.9km of the confluence of major water courses, South Creek and Eastern Creek. It is approximately 1.1km south of South Creek and west approximately 3.2km from Eastern Creek as well as Bells Creek approximately 2.9km to the east. There are a number of minor surrounding unknown tributaries within close proximity to the study site ranging from 153m to the north (connecting to a nearby man made dam), 568m to the east and a unknown creek 572m to the west of the study site.

Past aerals indicate a man-made dam was located to the east of the study area this has however been filled in and no longer exists.

3.2.4 Vegetation

The vegetation found in the study site is no longer in a native state and is comprised of a variety of introduced and noxious types of vegetation. This movement away from the natural vegetation is a result of previous land clearing for farming, residential and urban development.

These lands were cleared soon after European settlement due to the relatively high agricultural value of the soils upon which they are situated. The native vegetation of this area probably comprised of *Eucaluptus fibrosa* (broad leaved ironbark), *Angophora bakeri* (narrow leaved apple), *E. sclerophylla* (scribbly gum), *Melaleuca decora* and *M. nodosa* (paperbarks).

The shrub understorey would have been dominated by the following families; Fabaceae, Papilionaceae, Sapindaceae, Proteaceae and Myrtaceae. (Benson, 1981)

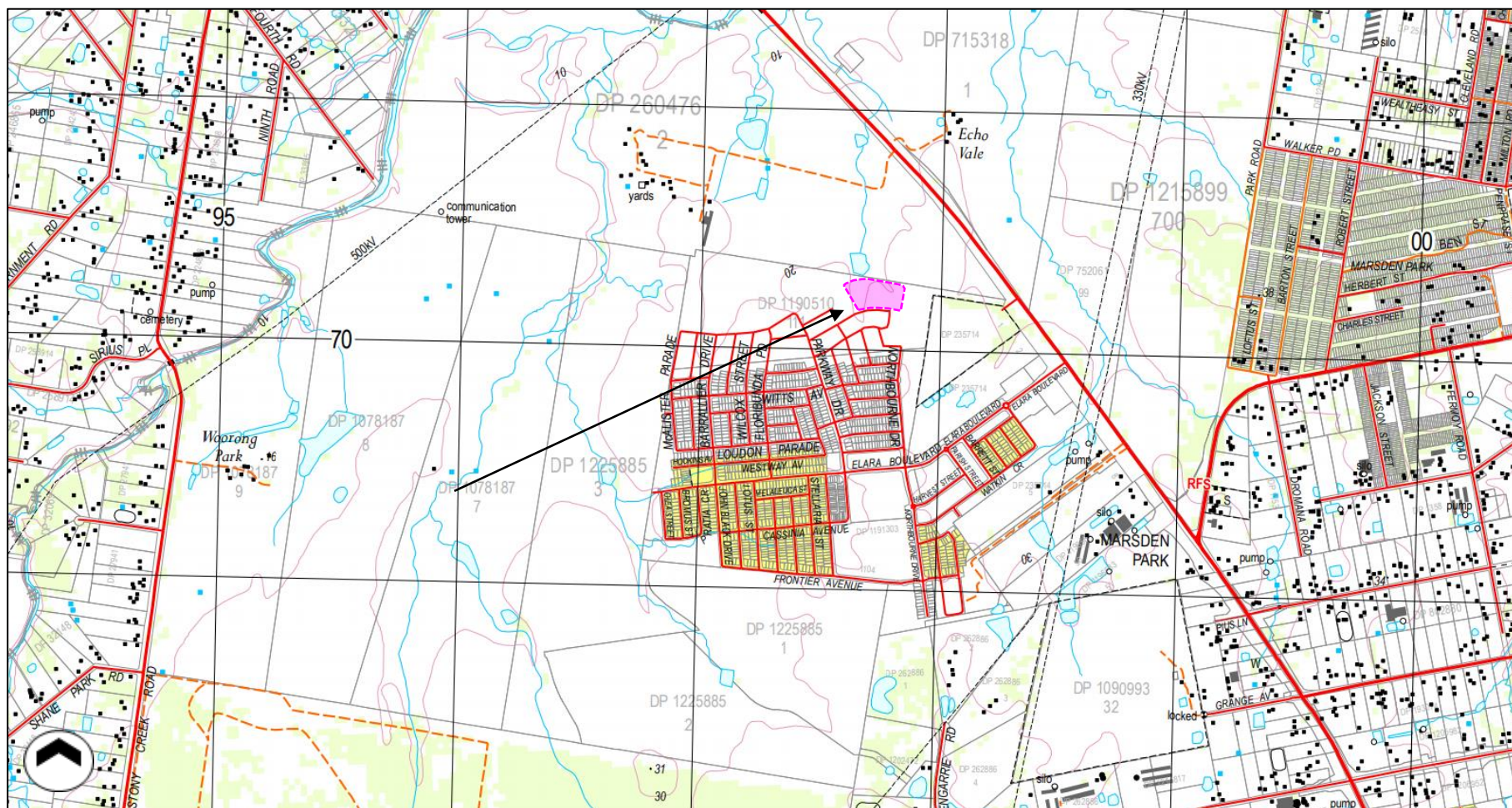


Figure 3.8 Topography Map indicating watercourses in blue
Study site indicated in pink with black arrow, Six Maps (2019)

3.3 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 site. 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 (eg: 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 (eg: 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 site 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 site. It is acknowledged if the study site has little or no archaeological potential the study site may still have cultural significance to the Aboriginal community.

3.3.1 Disturbance Summary

Background research and aeriels indicate that the study site has undergone significant clearance of vegetation between 1977 – 2013 (Figures 3.9-3.10) with further disturbance by 2018 (figure 3.11). There is however no indication of deep excavations having been undertaken on the site. The area of most significant disturbance is the man made well within the study site as highlighted in the aeriels below as well as outlined in the disturbance summary map (Figure 3.12). An early works programme has already been undertaken which has involved major earthworks in levelling and site preparation.

The Berkshire Park (bp) soil profile is relatively shallow especially in areas with poor drainage where <20cm of A horizon and/or A2 horizon is present (known artefact bearing soil horizons) of which consists of a sandy loam subject to dispositional movement.

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

Moderate - high disturbance to sections of the landscape: Sub-surface Aboriginal objects with potential conservation value have a nil-low probability of being present within the study site.



Figure 3.9 1977 aerial of study site
Approximate location of study site indicated in red. Blacktown City Council Online Mapping <http://maps.blacktown.nsw.gov.au/> (accessed 08/01/19)



Figure 3.10 2013 aerial of study site
Approximate location of study site indicated in red. Six Maps (accessed 08/01/19)



Figure 3.11 2018 aerial of study site
Approximate location of study site indicated in red. Six Maps (accessed 08/01/19)

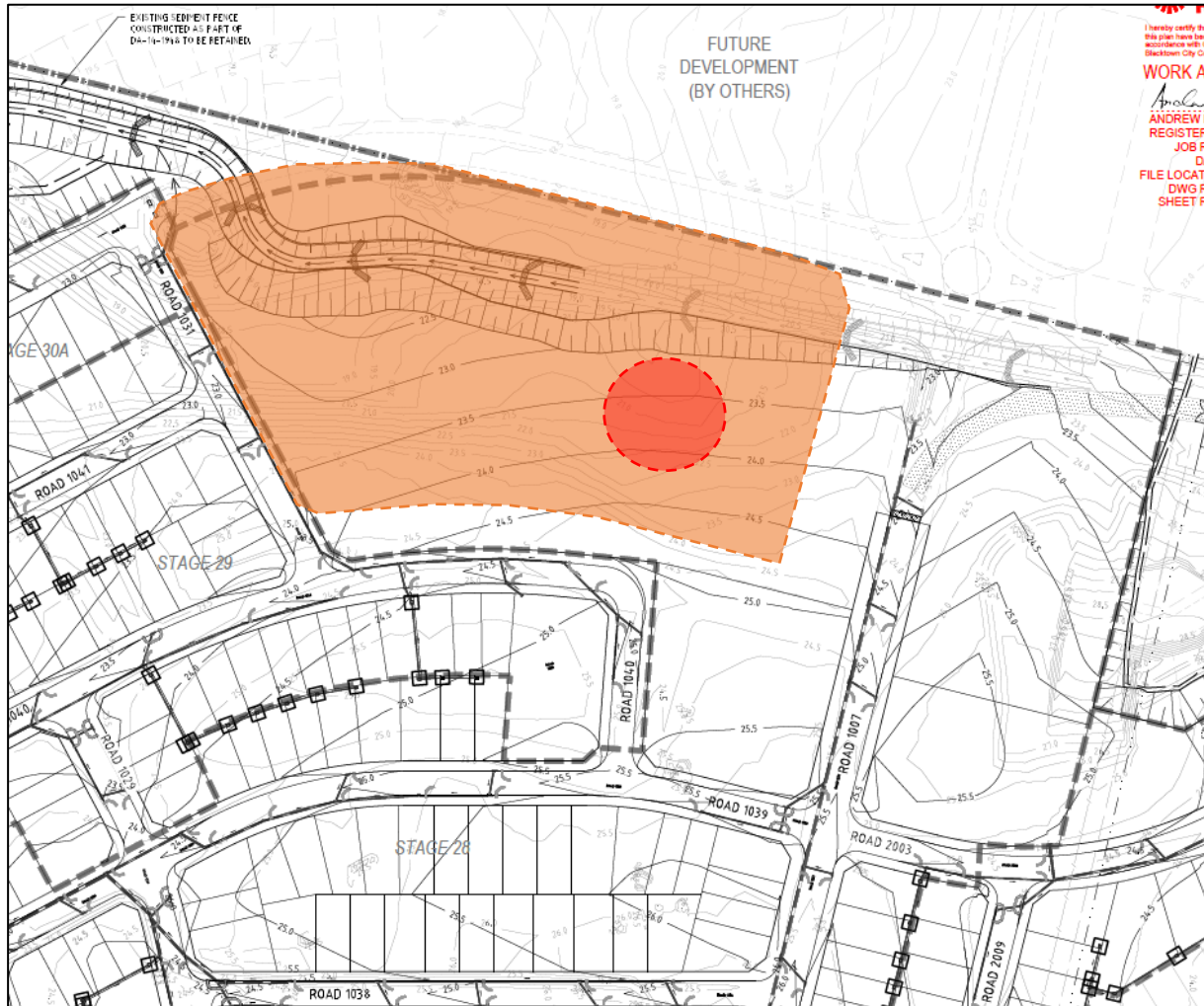


Figure 3.12 Disturbance summary map of study site
Moderate disturbance indicated in orange, high disturbance indicated in red.
Cardno Pty Ltd (2016) & AMAC (2019)

3.3.2 Geotechnical Investigation

Construction Sciences Pty Ltd conducted geotechnical investigations on 25th October 2018, comprising of eight boreholes (BH02 -BH04 within the study site) which tested to a depth of 1.5m (Figure 3.13). All three boreholes within the study site (BH02-BH04) were found to contain disturbed soils consisting of brown clay with a high plasticity with gravel and shale inclusions with no evidence of intact top soils. The site has been subject to extensive cut/fill earthworks involving filling greater than 2.0m in depth.

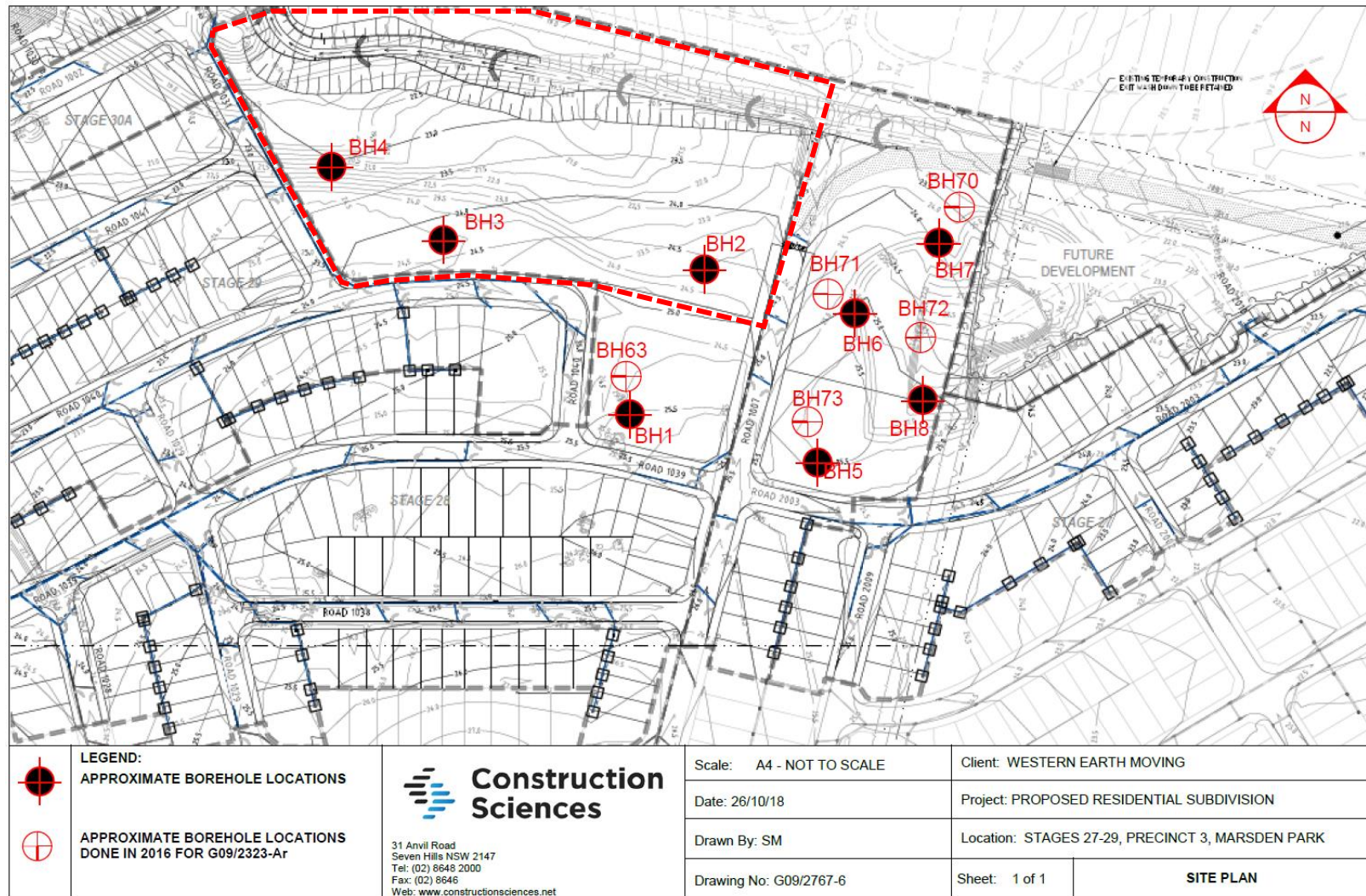


Figure 3.13 **Geotechnical investigations – Borehole locations**
Study site indicated in red outline. Construction Sciences Pty Ltd (2018) Drawing No. G09/2767-6.

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.

There is a mandatory 28-day period for the Aboriginal stakeholders to comment on this document. All comments have been included in this report of which makes up the final Aboriginal stakeholder approved version of this report. A full transcript of all consultation material can be found in AMAC 2019 *Appendix C: Aboriginal Consultation Log; Lot 288 DP 1230906; Marsden Park New Primary School; Corner of Northbourne Drive (east) and proposed future road ((north), Elara Estate; Marsden Park, NSW; (Blacktown LGA).*

Table 4.1 Consultation Log Summary (in progress)

STAGE 1						
Authority Letters & Advertisement						
Authority Body/ Organisation	Contact Person	Contact Details	Date Sent	Method	Response Received	Date
Blacktown City Council	Heritage Officer	Po Box 63, Blacktown NSW 2148	9/01/2019	Mail	No	
Greater Sydney LLS	Heritage Officer	PO BOX 4515, Westfield Penrith NSW 2750	9/01/2019	Mail	Yes/Email	5/02/2019
Deerubbin Local Aboriginal Land Council	Heritage Officer	PO BOX 40, Penrith BC NSW 2751	9/01/2019	Mail	No	
NSW Native Title Services	Heritage Officer	PO BOX 2105, Strawberry Hills NSW 2012	9/01/2019	Mail	No	
NNTT	Heritage Officer	GPO BOX 9973, Sydney NSW 2001	9/01/2019	Mail	Yes/Email	24/01/2019
NTSCORP	Heritage Officer	PO BOX 2105, Strawberry Hills NSW 2012	9/01/2019	Mail	No	
OEH	Archaeologist	PO BOX 644, Parramatta NSW 2124	9/01/2019	Mail	Yes/Email	25/01/2019
Office of Registrar	Heritage Officer	PO BOX 112, Glebe NSW 2037	9/01/2019	Mail	Yes/Email	23/01/2019
Newspaper Advertisement:	Hawkesbury Gazette	Ad Placed: 04/02/19			Date printed: 06/02/19	End Period: 20/02/19
Stakeholders Contacted	Minimum 14 days to register	(01/02/2019) - (15/02/2019)				
Name/Organisation	Contact Person	Contact Details	Date Sent	Method	Notes	
Deerubbin Local Aboriginal Land Council	Steven Randall	PO BOX 40, Penrith BC NSW 2751	1/02/2019	Post		
Darug Custodian Aboriginal Corp.	Justine Coplin	PO BOX 81, Windsor NSW 2756	1/02/2019	Post		
Darug Tribal Aboriginal Corp.	Dirk Schmitt	PO BOX 441, Blacktown NSW 2148	1/02/2019	Post		
Darug Aboriginal Cultural Heritage Assessments	Gordon Morton/Celestine	9/6 Chapman Ave. Chatswood NSW 2067	1/02/2019	Post		
Darug Land Observations	Anna O'hara	PO BOX 173, Ulladulla NSW 2539	1/02/2019	Post		
Des Dyer		18a Perigee Close, Doonside NSW 2767	1/02/2019	Post		
A1 Indigenous Services	Carolyn Hickey	10 Marie Pitt Pl, Glenmore Park NSW 2745	1/02/2019	Post		
Gunjeewong Cultural Heritage Aboriginal Corp	Cherie Carroll	1 Bellvue Place, Portland NSW 2847	1/02/2019	Post		
Merrigarn Indigenous Corp.	Shaun Carroll	GPO BOX 158, Canberra City ACT 2601	1/02/2019	Post		
Murra Bidgee Mullangari	Ryan Johnson	PO BOX 246, Seven Hills NSW 2147	1/02/2019	Post		

Bidjawang Aboriginal Corp.	James Carroll	PO BOX 124, Round Corner NSW 2158	1/02/2019	Post
Kamilaroi Yankuntjatjara Working Group	Phil Khan	78 Forbes St. Emu Plains NSW 2750	1/02/2019	Post
Wurrumay Consultancy	Kerrie Slater	89 Pyramid St. Emu Plains NSW 2750	1/02/2019	Post
Warragil Cultural Services	Aaron Slater	Warragil_c.s@hotmail.com	1/02/2019	Email
Kawul Cultural Services	Vicky Slater	89 Pyramid St. Emu Plains NSW 2750	1/02/2019	Post
Tocomwall	Scott Franks	PO BOX 76, Caringbah NSW 1495	1/02/2019	Post
Amanda Hickey Cultural Services	Amanda Hickey	57 Gough St. Emu Plains NSW 2750	1/02/2019	Post
Widescope	Steven Hickey	73 Russell St. Emu Plains NSW 2750	1/02/2019	Post
HSB Consultants	Patricia Hampton	62 Ropes Crossing Blvd. Ropes Crossing NSW 2760	1/02/2019	Post
Rane Consulting	Tony Williams	1 Pyrenees Way, Beaumont Hills NSW 2155	1/02/2019	Post
Anthony Williams		2/24 Goodwin St. Narrabeen NSW 2101	1/02/2019	Post
Dhinawan-Dhigaraa Culture & Heritage Pty Ltd	Ricky Fields	dhinawan.fields@gmail.com	1/02/2019	Email
Dhinawan-Dhigaraa Culture & Heritage Pty Ltd	Athol Smith	16 Yantara Place, Woodcroft NSW 2767	1/02/2019	Post
Gunyu	Kylie Ann Bell	gunyuuchs@gmail.com	1/02/2019	Email
Walbunja	Hika Te Kowhai	walbunja@gmail.com	1/02/2019	Email
Badu	Karia Lea Bond	11 Jeffery Place, Moruya NSW 2537	1/02/2019	Post
Goobah Developments	Basil Smith	66 Grantham Rd. Batehaven NSW 2536	1/02/2019	Post
Wullung	Lee-Roy James Boota	54 Blackwood St. Gerringong NSW 2534	1/02/2019	Post
Yerramurra	Robert Parson	yerramurra@gmail.com	1/02/2019	Email
Nundagurri	Newton Carriage	nundagurri@gmail.com	1/02/2019	Email
Murrumbul	Mark Henry	murrumbul@gmail.com	1/02/2019	Email
Jerringong	Joanne Anne Stewart	jerringong@gmail.com	1/02/2019	Email
Pemulwuy CHTS	Pemulwuy Johnson	14 Top Place, Mt Annan NSW 2567	1/02/2019	Post
Bilinga	Simalene Carriage	bilingachts@gmail.com	1/02/2019	Email
Munyunga	Kaya Dawn Bell	munyungachts@gmail.com	1/02/2019	Email
Wingikara	Hayley Bell	wingikarachts@gmail.com	1/02/2019	Email
Minnamunnung	Aaron Broad	1 Waratah Ave. Albion Park Rail NSW 2527	1/02/2019	Post

Walgalu	Ronald Stewart	walgaluchts@gmail.com	1/02/2019	Email	
Thauaira	Shane Carriage	thauairachts@gmail.com	1/02/2019	Email	
Dharug	Andrew Bond	dharugchts@gmail.com	1/02/2019	Email	
Bilinga CHTS	Robert Brown	bilinga@mirramajah.com	1/02/2019	Email	Email Bounced
Gunyu CHTS	Darlene Hoskins-McKenzie	gunyu@mirramajah.com	1/02/2019	Email	Email Bounced
Munyunga CHTS	Suzannah McKenzie	munyunga@mirramajah.com	1/02/2019	Email	Email Bounced
Murrumbul CHTS	Levi McKenzie-Kirkbright	murrumbul@mirramajah.com	1/02/2019	Email	Email Bounced
Wingikara CHTS	Wandai Kirkbright	wingikara@mirramajah.com	1/02/2019	Email	Email Bounced
Gulaga	Wendy Smith	gulagachts@gmail.com	1/02/2019	Email	
Biamanga	Seli Storer	biamangachts@gmail.com	1/02/2019	Email	
Cullendulla	Corey Smith	cullendullachts@gmail.com	1/02/2019	Email	
Murramarang	Roxanne Smith	murramarangchts@gmail.com	1/02/2019	Email	
DJMD Consultancy	Darren Duncan	darrenjohnduncan@gmail.com	1/02/2019	Email	
Butucarbin Aboriginal Corp.	Jennifer Beale	PO BOX E18, Emerton NSW 2770	1/02/2019	Post	
Didge Ngunawal Clan	Paul Boyd	7 Siskin St. Quakers Hill NSW 2763	1/02/2019	Post	
Ginninderra Aboriginal Corp.	Steven Johnson & Krystle Carroll	PO BOX 3143, Grose Vale NSW 2754	1/02/2019	Post	
Nerrigundah	Newton Carriage	nerrigundahchts@gmail.com	1/02/2019	Email	Email Bounced
Wailwan Aboriginal Group	Phil Boney	waarlan12@outlook.com	1/02/2019	Email	
Barking Owl Aboriginal Corp.	Jody Kulakowski	barkingowlcorp@gmail.com	1/02/2019	Post	
Yulay Cultural Services	Arika Jalomaki	15 Rowley Place, Airds NSW 2560	1/02/2019	Post	
Thoorga Nura	John Carriage	50B Hilltop Cresc. Surf Beach NSW 2536	1/02/2019	Post	
Darug Boorooberongal Elders Aboriginal Corp.	Gordon Workman	73 Judith Anderson Dr. Doonside NSW 2767	1/02/2019	Post	
B.H. Heritage Consultants	Ralph Hampton	184 Captain Cook Dr. Willmot NSW 2770	1/02/2019	Post	
B.H. Heritage Consultants	Nola Hampton	95 Mt. Ettalong Rd. Umina Beach NSW 2257	1/02/2019	Post	
Ngambaa Cultural Connections	Kaarina Slater	6 Natchez Cres. Greefield Park NSW 2167	1/02/2019	Post	
Registered Organisations/Individuals	Contact Person	Email Address	Date	Method	Notes
Kamilaroi Yankuntjatjara Working Group	Phil Khan	philipkhan.acn@live.com.au	5/02/2019	Verbal	
DLO	Anna O'hara	daruglandobservations@gmail.com	31/01/2019	Email	Attached Letter

Wailwan Aboriginal Group	Phil Boney	waarlan12@outlook.com	2/02/2019	Email	
Didge Ngunawal Clan	Paul Boyd	didgengunawalclan@yahoo.com.au	6/02/2019	Email	
Badu	Karia Bond	baduchts@gmail.com	11/02/2019	Email	
Barraby	Lee Field	barrabyculturalservices@gmail.com	8/02/2019	Email	Attached Letter
Bidawal	Maria Stewart	bidawalchts@gmail.com	11/02/2019	Email	
Bilinga	Simalene Carriage	bilingachts@gmail.com	11/02/2019	Email	
Bullaya	Fay Campbell	bullawaya@gmail.com	11/02/2019	Email	
Bulling Gang	Whane Carberry	bullinggangers@gmail.com	11/02/2019	Email	
Curwur Murre	Donald Parsons	curwurmurreelders@gmail.com	11/02/2019	Email	
Dharug Dharug	Wally Caines	dharugchts@gmail.com	11/02/2019	Email	
Djiringanj	John Walker	djiringanjchts@gmail.com	11/02/2019	Email	
Elouera	James Sutton	elouerachts@gmail.com	11/02/2019	Email	
Eora	Kahu Brennan	eorachts@gmail.com	11/02/2019	Email	
Gadung	Kathy Burns	gadungelders@gmail.com	12/02/2019	Email	
Gangangarra	Kim Carriage	gangangarra@gmail.com	11/02/2019	Email	
Golangaya	Adreian Connolly	golangayaelders@gmail.com	12/02/2019	Email	
Gulla Gunar	Clayton Moore	gullagunarelders@gmail.com	12/02/2019	Email	
Gunyu Gunyu	Mundurra Drew	gunyuuchts@gmail.com	11/02/2019	Email	
Darug Custodian Aboriginal Corp.	Justine Coplin	justinecoplin@optusnet.com.au	11/02/2019	Email	Attached Letter
Kuringgai	Toni Brierley	kuringgaichts@gmail.com	11/02/2019	Email	
Merrigarn Indigenous Corp.	Shaun Carroll	Merrigarn@hotmail.com	6/02/2019	Email	
Muragadi	Jesse Johnson	muragadi@yahoo.com.au	6/02/2019	Email	
Munyunga	Jason Bell	munyungachts@gmail.com	11/02/2019	Email	
Murra Bidgee Mullangari	Ryan Johnson	murrabidgeemullangari@yahoo.com.au	6/02/2019	Email	
Murrin	Tarlarra Te Kowhai	murrinchts@gmail.com	11/02/2019	Email	
Murrumbul	Shane Saunders	murrumbul@gmail.com	11/02/2019	Email	
Ngarigo	David Pittman	ngarigochts@gmail.com	11/02/2019	Email	
Ngunawal	Edward Stewart	ngunawalchts@gmail.com	11/02/2019	Email	
Nundagurri	Thomas Tighe	nundagurri@gmail.com	11/02/2019	Email	
Wailwan Aboriginal Group	Phil Boney	waarlan12@outlook.com	2/02/2019	Email	
Tharawal	John Stewart	tharawalchts@gmail.com	11/02/2019	Email	

Thauaira	Shane Davis	thauairachts@gmail.com	12/02/2019	Email	
Tocomwall	Danny Franks	danny@tocomwall.com.au	8/02/2019	Email	Attached Letter
Walbunja Elders	Dean Scott	walbunjaelders@gmail.com	12/02/2019	Email	
Walbunja	Hika Te Kowhai	walbunja@gmail.com	11/02/2019	Email	
Walgalu	Ronald Stewart	walgaluchts@gmail.com	12/02/2019	Email	
Wandandian	William Bond	wandandianchts@gmail.com	12/02/2019	Email	
Wingikara	Izahya Clay	wingikarachts@gmail.com	12/02/2019	Email	
Yerramurra	Nathan Walker-Davis	yerramurra@gmail.com	12/02/2019	Email	
Yulay Cultural Services	Arika Jalomaki	yulayculturalservices@gmail.com	8/02/2019	Email	Attached Letter
Yurrandaali Cultural Services	Bo Field	yurrandaali_cs@hotmail.com	8/02/2019	Email	Attached Letter
Darug Aboriginal Cultural Heritage Assessments	Celestine Everingham	(02) 9410 3665	8/02/2019	Phone	

STAGE 2 & 3

ACHA Methodology (/Test Excavation Methodology)		Minimum 28 days to respond (22/03/2019) - (19/04/2019)			
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes
All RAPS	Steven J. Vasilakis/AMAC	Dispatch ACHA Research Design & Methodology	22/03/2019	Email	Posted to Celestine
Steven J. Vasilakis/AMAC	Muragadi	ACHA Methodology Response	26/03/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Merrigarm	ACHA Methodology Response	26/03/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Murra Bidgee Mullangari	ACHA Methodology Response	3/04/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	DACHA	ACHA Methodology Response	5/04/2019	Phone	Celestine Supports Recommendations
Steven J. Vasilakis/AMAC	DLO	ACHA Methodology Response	8/04/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Tocomwall	ACHA Methodology Response	26/03/2019	Email	Supports Recommendations

STAGE 4

ACHA Report		Minimum 28 days to respond (11/07/2019) - (08/08/2019)			
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes

All RAPs	Steven J. Vasilakis/AMAC	Dispatch ACHA Report	11/07/2019	Email	Posted to Celestine Everingham
Steven J. Vasilakis/AMAC	Murra Bidgee Mullangari	ACHA Report Response	11/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Merrigarn	ACHA Report Response	11/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Muragadi	ACHA Report Response	11/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Badu	ACHA Report Response	22/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Munyunga	ACHA Report Response	24/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	DLO	ACHA Report Response	24/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Walbunja	ACHA Report Response	19/07/2019	Email	Supports Recommendations and on behalf of Murrin Nation DHARUG, GUNDUNGURRA, THARAWAL, EORA, ELOUERA, WANDANDIAN, NGUNAWAL, WALGALU, NGARIGO, WALBUNJA, DJIRINGANJ, THAUAIRA and BIDAWAL
Steven J. Vasilakis/AMAC	DCAC	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	Gunjeewong	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	DNC	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	Wailwan	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	DACHA	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Yulay	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
Yurrandaali	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
Barraby	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
Deerubbin LALC	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
All RAPS	Yolanda Pavincich/AMAC	ACHA - amended version for review	13/08/2019	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, ethno history and archaeological background of the study site 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 site 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 site.

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 which includes the Sydney region has left a vast amount of accumulated depositional evidence and the Cumberland Lowlands is no exception. The oldest date generally considered to be reliable for the earliest occupation around the region comes from excavations at Parramatta which contain objects or features which have been dated to 30,735 ± 407 BP (McDonald et al 2005).

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 prior occupation period. It is also the case that many archaeological sites along the past coastline may have been submerged as the seas rose approximately to their current level around 6,000 years ago. This would have had the effect of covering evidence of previous coastal occupation. In addition, it is also true that the acidic soils which are predominate around the Sydney region do not allow for longer-term survival of sites (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 Sydney Basin, the most common Aboriginal archaeological site type is occupation evidence within Rock Shelters. However, the most common Aboriginal archaeological site type in the Cumberland Lowlands is 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, with 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). Many hundreds of artefact sites have been recorded within the Cumberland Lowlands. This is despite the fact that at least 50% of the Cumberland Lowlands has already been developed to such an extent that any archaeological evidence which may have once been present has been destroyed.

5.2 THE DARUG AND GANDANGARA NATION

It is estimated that around 250 distinct languages were in use throughout the Australian 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 *Non Pama-Nyungan* languages.

Knowledge of the different language groups in a 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 were two known distinct language groups observed in the Cumberland Lowlands at the time of contact. Each one is likely to have had a number of dialects, but the observed language groups appear to have been the Darug and Gandangara. One of these language groups, the Darug, was divided into two dialects, a coastal dialect and a hinterland dialect; the later may have been spoken by the inhabitants of the Cumberland Lowlands (Attenbrow 2002).

The boundary between the territories of these two language groups and dialect groups is unclear. Attenbrow (2002) suggests that speakers of the hinterland dialect of the Darug were spread across the Cumberland Lowlands, from the Hawkesbury River in the north to Appin in the area south-west of the Georges River, Parramatta, the Lane Cove River and Berowra Creek. The Gandangara inhabited the southern rim of the Cumberland Lowlands, west of the Georges River and into the southern Blue Mountains. Kohen (1993) suggests that the boundary between the hinterland dialect speakers of the Darug language and the Gandangara was the Nepean River and the Gandangara occupied an area that “extended from the Blue Mountains at Hartley and Lithgow through the Burrangong and Megalong Valleys at least as far as the Nepean River” (Kohen 1993 p. 13) This view is concurred

with by the Australian Institute of Aboriginal And Torres Strait Islander Studies (2000). There may have been a significant amount of interaction both cultural and linguistic between these two 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 on 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 (Hardy 2008).

A wide variety of activities comprised the lifestyle of the Aboriginal groups across the Cumberland Lowlands. Some behaviours leave traces which can be retrieved by archaeological study of material remains. Many of these can only 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 sources available.

5.3 PREVIOUS ARCHAEOLOGICAL STUDIES NEAR THE STUDY SITE

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 site, 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 site.

Brayshaw & McDonald (1993) – Survey – Rouse Hill Development Area

In 1993 Brayshaw McDonald Pty Ltd conducted an archaeological survey as part of the Rouse Hill Development Area along Second Ponds and Caddies Creek, Rouse Hill. As a result, six sites and five PAD's were identified. In total 470 artefacts were discovered, 364 of which were made of Silcrete. Of the total assemblage, 186 were intact flakes, 34 were cores, 3 manuports and 7 backed blades. The rest of the assemblage were various types of broken flakes or debitage. The investigations resulted in the discovery of several sites containing high densities of artefacts as well as some with low densities. This variability in sites has been interpreted by Brayshaw McDonald Pty Ltd as representing a range of activity areas of which intact knapping floors were identified as well as heat treatment locations and generalised campsites. It was concluded that alluvial terraces (and other depositional environments) contain the best potential for intact archaeological remains. It was also noted that artefact assemblages were also discovered within disturbed context as well as below disturbed context such as agricultural ploughing and activities etc.

Baker (1998 & 2000) – Survey – Caddies Creek Valley

Baker, in 1998 and 2000, conducted field surveys and test excavations within the Caddies Creek valley on the eastern side of Windsor Road. The excavation of 211m² resulted in

the recovery of 994 artefacts from test pits. Three open area excavations were also conducted resulting in the recovery of 4,510 artefacts.

Australian Museum Business Services (1998) – Survey – Windsor Rd, Rouse Hill

Australian Museum Business Services (1998) surveyed an area land on Windsor Road, Rouse Hill in association with a proposed Mungerie Park Town Centre development. This survey located one new indigenous archaeological feature an open artefact scatter. The feature was recorded as MP-OS-3 and consisted of four red silcrete flaked pieces. The conclusion of the survey was that the study area on Windsor Road was of high archaeological potential and as such developments which would impact on the potential archaeological deposits should be avoided.

Mary Dallas Consulting (2000) – Survey – Withers & Mungerie Rds, Kellyville

Dallas (2000) surveyed an area of land at the intersection Withers and Mungerie Roads, Kellyville in association with an undefined development. This survey located no new Indigenous archaeological features and recommended no further archaeological work.

Kelton (2001) – Archaeological Study – Clydesdale Property (Marsden Park)

Kelton (2001) conducted an archaeological study including site survey of the proposed egg packing and detention ponds at the Clydesdale property off Richmond Road, Marsden Park. This survey resulted in the registration of 4 Aboriginal sites consisting off 2 isolated finds, a scarred tree and an open scatter. The study area was found to be heavily disturbed as a result of past agricultural activity and erosion. The study area was considered to have low- moderate Aboriginal archaeological sensitivity. In conclusion the proposed development would not impact the registered sites and therefore no further archaeological work was recommended however consultation with the Aboriginal community was to continue.

Therin (2001) – Survey – Tebutts Poultry Farm

In 2001 Therin conducted a field survey at Tebutts Poultry Farm, Schofields Road within the Second Ponds Creek valley. The survey focused on landforms such as ridge crests and hillslopes within the area. The survey resulted in three artefact scatters being identified as well as two isolated artefacts (Therin 2001). In conclusion the density of artefacts directly correlates with the landforms located in the area and their proximity to permanent water sources.

Mary Dallas Consulting (2001) – Test Excavation – Muir's Land, Kellyville

Dallas et al (2001) carried out test excavations in association with a proposed residential subdivision on Muir's Land, Kellyville. This excavation yielded total of 664 artefacts from test pits running along three transects. It must be stressed that only 46 were suitable for analysis which may suggest a great deal of debitage or misidentification of artefacts. This correlated into assemblages of a low to medium artefact density with insufficient variation in artefact depth to allow for inferences regarding temporal change to be drawn. The recommendations of this excavation were that monitoring of the removal of topsoil by indigenous stakeholder groups be carried out and a section 90 permit be sought from DECC for the destruction of existing archaeological features.

Therin (2002) – Survey – Windsor Rd, Kellyville

Therin (2002) surveyed an area 1.2 km length of land along the line of Windsor Road, Kellyville in association with a proposed upgrade of Windsor Road. This survey located

one new indigenous archaeological feature an isolated artefact. The feature was recorded as W1 and consisted of one red silcrete flaked piece. Two previously recorded open artefact scatters are located within the study area on Windsor Road however no evidence of the continued presence of these sites was located during the Therin assessment. The conclusion of the survey was that the study area on Windsor Road was of high archaeological significance and as such recommended a monitoring of the removal of topsoil by indigenous stakeholders and a section 90 permit be sought from DECC for the destruction of existing archaeological features.

McDonald (2002) – Survey – Rouse Hill Infrastructure Project

Jo McDonald Cultural Heritage Management conducted a survey in Development Areas 2, 5, 20, 22 and 24B as part of the Rouse Hill Infrastructure Project. Area 20 included land along Second Ponds Creek near the study area. A Potential Archaeological Deposit (PAD) was identified (AHIMS No. 45-5-2807) immediately north east of the study area and consisted of seven artefacts on a sheet wash erosion along the creek line. A total of twenty-two archaeological sites and eight PADs were identified within Area 20. These sites were predominantly located along Second Ponds Creek and within the riparian zone (McDonald 2002).

McDonald (2002) – Salvage Excavation – Balfour Dr, Kellyville

McDonald (2002c) carried out salvage excavations of potential archaeological deposits in association with residential developments on Balfour Drive, Kellyville on the western bank of Small's Creek. This excavation yielded total of 1099 artefacts which correlated into a low to medium artefact density with sufficient enough size to allow for inferences regarding temporal change to be drawn. The upper (younger) levels of the excavated assemblage were dominated by silcrete artefacts whereas the lower (older) levels were dominated by tuff. This shift in raw material usage has been associated with the shift from the Capertian phase of artefact production to the Bondaian phase of the Eastern Regional Sequence. The most important conclusion drawn from McDonald's excavation was that the early Holocene deposits such as those represent by the Balfour Drive assemblage would not be apparent during a surface survey even if conducted with a high level of visibility.

Brayshaw (2003) – Survey – Conrad Rd, Kellyville

Brayshaw (2003) surveyed an area of 2 hectares of land on Conrad Road, Kellyville in association with a residential subdivision development. This survey located one new indigenous archaeological feature with a total of six artefacts. The feature was recorded as RH/CR1 and was an open scatter that consisted of six artefacts, one yellow tuff flake, two yellow tuff fragments, one red silcrete broken flake, one red silcrete fragment and one pink silcrete fragment. The conclusion of the survey was that the study area on Conrad Road was of low archaeological significance and as such recommended a section 90 permit be sought from DECC for the destruction of existing archaeological features.

AHMS (2003) – Survey – Green Rd, Samantha Riley Dr and Glenhaven Rd, Kellyville

Archaeological Heritage Management Solutions (2003) surveyed an area of partially disturbed land at the intersection of Green Road, Samantha Riley Drive and Glenhaven Road, Kellyville in association with the construction of a proposed stormwater detention basin and roundabout. This survey located no new indigenous archaeological features however due to the location and predictive models the monitoring of earthworks by indigenous stakeholders was recommended.

Therin (2004) – Test Excavation – Mile End Road

Therin (2004) conducted test excavations at four locations between Mile End Road and Level Crossing Road as a result of the proposed Windsor Road Upgrade. Excavations took place along minor drainage lines and major creek lines as well as hillslopes. As a result of these excavations a total of 1,840 artefacts were recovered.

McDonald (2005) – Test Excavation – Area 20 Precinct

In 2005 Jo McDonald conducted test and salvage excavations both south and northeast of Area 20 precinct for the Windsor Road Upgrade. This consisted of the excavation of eight sites of 230 test pits of which 40,909 artefacts were recovered – 7,922 were surface collections. The excavations were conducted along various landforms located along the Second Ponds Creek valley, specifically along ridge tops and creek flats and slopes. It can therefore be summarised that majority of the artefacts were recovered from subsurface deposits within the location of Second Ponds Creek (McDonald 2005).

McDonald (2005) – Survey – Fyfe Rd, Kellyville

McDonald (2005) surveyed an area of 2 hectares of land on Fyfe Road, Kellyville in association with a residential subdivision development. This survey located one new indigenous archaeological feature with a total of eight artefacts. The feature was recorded as RH/FR1 and was an open scatter that consisted of eight artefacts, 1 red silcrete focalised platform, 1 yellow silcrete fragment, one red silcrete core, one pink silcrete fragment and three red silcrete fragments. The conclusion of the survey was that the study area on Fyfe Road was of moderate to low archaeological potential and as such recommended a section 90 permit be sought from DECC for the destruction of existing archaeological features.

Austral Archaeology (2005) – Test Excavation – Old Windsor Rd, Kellyville

Austral Archaeology (2005) carried out test excavations of three potential archaeological deposits (PAD's) in association with the upgrade of Old Windsor Road, Kellyville. This excavation yielded total of 66 artefacts from the three PAD's numbering 51 artefacts, 15 artefacts and 0 artefacts respectively. This correlated into assemblages with high (51) and low (15) artefact density both with insufficient size to allow for inferences regarding temporal change to be drawn. The recommendations of these test excavations was that one of the PAD's should be subject to a section 90 permit as it yielded only 15 artefacts and was not of high archaeological significance. The second PAD was recommended to be subject to further excavation as it was of a high enough artefact density to be a deviation from the norm of the Cumberland Plain and therefore warranted further investigation. The final PAD was not assessed as it did not contain any artefacts.

Total Earth Care (2007) – Survey – Oppy Reserve, Schofields

Total Earth Care (2007) surveyed an area of land at Oppy Reserve, Schofields in association with a landscaping and drainage works. This survey located one new indigenous archaeological feature and relocated two previously recorded archaeological features all of which were open artefact scatters. The conclusion of the survey was that the study area was of moderate to low archaeological potential and as such recommended a section 90 permit be sought from DECC for any impact on the existing archaeological features.

McDonald (2007) – Test & Salvage Excavation – Caddies Creek

Further investigations surrounding Caddies Creek were conducted by Jo McDonald in 2007. Both salvage and test excavations were conducted at three previously recorded sites RH/CD 5, RH/CD10 and RH/CD. Excavations removed 7.545m² and found 18,263 artefacts. The highest density of artefacts recovered were from the excavations of site RH/Cd 5 located on a lower slope landform within 200m from Caddies Creek.

AHMS (2007) – Survey – 79 Alex Ave, Schofields

In 2007 AHMS conducted an Aboriginal archaeological investigation at 79 Alex Avenue, Schofields. As a result of this investigation was the discovery of an isolated find. This site was found to be over 1km from Eastern Creek a permanent water source.

Cultural Heritage Connections (2008) – Monitoring/ Testing– Electricity Upgrade Vineyard to Rouse Hill

Cultural Heritage Connections (CHC) conducted an Aboriginal archaeological survey and excavation as part of an Electricity upgrade for Integral Energy. The site location consisted of 8.5 kilometres of land running from Vineyard, through Riverstone and to Rouse Hill. The survey was conducted within a 30 metre radius around each proposed pole site, with a total of 45 sites investigated. As a result, two Aboriginal archaeological sites were recorded including one open camp and one isolated find. The test excavation consisted of 37 trenches being excavated along the easement, resulting in the recovery of the 130 stone artefacts. The artefacts were primarily silcrete with fairly low-density assemblages. Remnant A horizon soils were found in 33 of the test trenches.

McDonald (2008) – Survey – Mungerie Withers Rd, Kellyville

McDonald (2008) surveyed an area of 16.2 hectares of land at the corner of Mungerie and Withers Roads, Kellyville in association with a residential subdivision development for Baulkham Hills Shire Council. This survey located two new indigenous archaeological features and one previously recorded feature with a total of ten artefacts. Recorded as MW01, the largest of the three features located in this survey was an open scatter that consisted of seven artefacts, two silcrete flakes, one tuff flake and four silcrete flaked pieces. Recorded as MW02, the second new feature was an open scatter and this consisted of two artefacts, one tuff flake and one silcrete flaked piece. The relocation of MP-OS-3 yielded only one artefact, a silcrete core while the initial investigation (AMBS 1998) showed four silcrete artefacts. This survey found an artefact density of one per 1.62 ha.

The conclusion of the survey was that the study site at the corner of Mungerie and Withers Roads was of medium to high archaeological potential and as such recommended a variety of actions due to the varying nature of zones of the study area. Recommendations ranging from conservation for zones of high potential to monitoring of earthworks by indigenous stakeholders and the issue of section 90 permit from DECC for the destruction of existing archaeological features were made.

McDonald (2008) – Survey – Windsor Rd, Kellyville

McDonald (2008) surveyed an area of 9.2 hectares of land on the southern side of Windsor Road, Kellyville in association with a residential subdivision development for Rose Atkins Conics. This survey located no new indigenous archaeological artefacts and one potential archaeological deposit. A recommendation was made for the issue of section 90 permit from DECC for the destruction of potential archaeological deposit.

Kelleher Nightingale Consulting (2009) – Survey – Cudgegong Rd & Schofields Rd, Rouse Hill

In 2009 Kelleher Nightingale Consulting Pty Ltd conducted a survey near the junction of Cudgegong Road and Schofields Road, Rouse Hill. As a result of this investigation was the discovery of one artefact scatter containing seven silcrete artefacts. This site was revisited by GML in 2012 who only found three silcrete artefacts present. One potential archaeological deposit (PAD) was also identified during KNC's 2009 survey. It was located within close range to Second Ponds Creek. The surrounding area had been identified as original Cumberland Plain Woodland, indicating that the area was likely to contain intact subsoils and therefore salvage excavation was recommended (KNC 2009).

Kelleher Nightingale Consulting (2010) – Survey – Area 20 Precinct

Kelleher Nightingale Consulting Pty Ltd conducted a survey within the Area 20 precinct in 2010 to reassess the significance of previously identified sites. Within the 245 hectares of land (including the study site) an artefact scatter 40m x 2m was identified and contained five silcrete artefacts adjacent to Second Ponds Creek. In conclusion higher densities of artefacts are likely to occur within the margins of Second Ponds Creek including that of the north eastern part of the current study site. It is likely that there will be artefacts within the subsurface deposits (Kelleher Nightingale Consulting 2010).

Streat Archaeological Services (2011) – Survey – 9 Balmoral Rd, Kellyville

Streat (2011) surveyed an area of land at 9 Balmoral Road, Kellyville in association with a residential subdivision development. This survey located no new indigenous archaeological deposits or objects. The conclusion of the survey was that the study site was of low to nil archaeological potential and as such recommended no further archaeological work, however, DLALC requested a representative be present to monitor the disturbance of topsoil that took place in accordance with 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, p. 1, Streat 2010).

Mary Dallas Consulting (2011) – Survey – 45 Arnold Ave, Kellyville

Dallas (2011) surveyed an area of land at the intersection 45 Arnold Ave, Kellyville in association with a residential subdivision. This survey located one new indigenous archaeological feature, an isolated artefact named Arnold Ave IF1. It was recommended that this artefact be collected under an AHIP and a care and control agreement be development to offer storage and conservation measures.

Mary Dallas Consulting (2011) – Survey – 28 Fairway Dr, Kellyville

Dallas (2011) surveyed an area of land at the intersection 28 Fairway Drive, Kellyville in association with a residential subdivision. This survey located one new indigenous archaeological feature, an isolated artefact named Fairway Drive IF1. It was recommended that this artefact be collected under an AHIP and a care and control agreement be development to offer storage and conservation measures.

GML (2011) – Survey – Schofields Road, Rouse Hill

In 2011 Godden Mackay Logan (GML) conducted a survey along Schofields Road, Rouse Hill. The investigation resulted in the discovery of an artefact scatter along one of the minor ridges overlooking First Ponds Creek. The scatter consisted of two silcrete artefacts. There was the identification of a PAD towards Second Ponds Creek. A section of this PAD was excavated by KNC in 2012 who found three artefacts.

Streat Archaeological Services (2012) – Survey – 28 Balmoral Rd, Kellyville

Besant and Streat (2008) surveyed an area of 1.60 hectares of land at 28 Balmoral Road, Kellyville in association with a residential subdivision development. This survey located no new indigenous archaeological deposits or objects. The conclusion of the survey was that the study area on Balmoral Road was of moderate to low archaeological potential and as such recommended a section 87 permit be sought from DECC in association with a monitoring brief for any earthworks that took place (Streat 2012).

GML (2012) – Cultural Heritage Assessment – North West Rail Link Project

In 2012 Godden Mackay Logan (GML) conducted an Aboriginal heritage assessment for the North West Rail Link Project (NWRL). This assessment identified 27 Aboriginal archaeological sites and PADs which would be impacted as a result of the NWRL. Of these sites, 24 are located within the West Zone. 17 of these sites were Aboriginal archaeological sites and the other seven were Potential Archaeological Deposits (PADs). All of the sites were found to be within close proximity to First Ponds Creek and/or Second Ponds Creek and with only some sites and deposits being located within moderately disturbed areas, as a result of agricultural land clearing. Majority of the PADs were located within the Cumberland Plain Woodland and were indicative of having intact subsoils.

Streat Archaeological Services (2013) – Survey – Memorial Ave, Kellyville

Streat (2013) surveyed an area of land on 33 Memorial Ave, Kellyville in association with a residential subdivision development. This survey located no new indigenous archaeological deposits or objects. The conclusion of the survey was that the study area on Memorial Ave was of low to nil archaeological potential and as such recommended no further archaeological work however DLALC requested a representative be present to monitor disturbance of topsoil that took place in accordance with 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, p. 1), (Streat 2013).

Ecological Australia (2016)- Cultural Heritage Assessment – Marsden Park, Riverstone & Vineyard

Ecological (2016) conducted a series of surveys along the proposed route of the new 132V power line and waste water infrastructure between Marsden Park, Riverstone and Vineyard inspecting known and unknown registered Aboriginal sites. A total of 14 sites were located within 100m of the proposed route with over 90% of these sites being artefacts. These sites were located on known landforms of potential including rises, crests as well as in open paddocks. The level of disturbance ranges from vegetative removal, land clearance, eroded soils near mad man dams, as well as completely disturbed contexts. As a result, this report was compiled in support of an Aboriginal Heritage Impact Permit for site 45-5-4444.

The practical ramifications of the results of the aforementioned archaeological assessments and excavations, are that artefacts are present within disturbed contexts in which there is a nil-low potential for Aboriginal archaeological objects to be present within the study site.

5.4 PREVIOUSL ARCHAEOLOGICAL STUDIES WITHIN THE STUDY SITE

The following studies were undertaken within the study site.

Kelleher Nightingale Consulting (2012) – Aboriginal Cultural Heritage Assessment – Marsden Park Precinct

A site survey was conducted by Kelleher Nightingale Consulting as part of an Aboriginal Cultural Heritage Assessment for the Marsden Park Precinct which incorporates the study site subject to this report. The survey resulted in the identification of 67 Aboriginal sites in the precinct of which 24 were newly recorded Aboriginal archaeological sites. The document provided the following mitigation of the precinct based on the proposed layout of which 32 of the registered sites would be conserved and 35 of the sites impacted by future development. Of those to be impacted upon by future development an AHIP permit was recommend to be in place prior to these works taking place.

GML Heritage (2013) – Test Excavation – Marsden Park Precinct, Marsden Park

GML Heritage conducted a program of test excavation within the Marsden Park Precinct. This involved the excavation of 134 test pits between 10 transects located within landscape features associated with past Aboriginal activity. Test excavation resulted in a total of 15 artefacts and two possible artefacts being located. Three areas of Potential Archaeological Deposits (PADS) were located as part of the initial investigation of which, PAD 1 was found to contain the eastern side of the study site subject of this report. Test unit 1 -3 located on Transect 1 were positioned within the study site. No artefacts were located within these testing units and soils were found to be stripped and disturbed. This testing programme along with an Aboriginal Cultural Heritage Assessment formed the current AHIP permit that is valid for the study site.

5.5 OEHS AHIMS SEARCH RESULTS

The Aboriginal Heritage and Information Management System (AHIMS) database is located at the OEHS Offices at Hurstville in New South Wales. This database comprises information about all the previously recorded Aboriginal archaeological sites registered with OEHS. 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 site should be relocated.

An AHIMS extensive 1km search was conducted on the 9th January 2019 (ID391206). This search resulted in 75 registered sites within 1000 m of the study site. 37 of the listed sites have been destroyed and 1 partially destroyed. 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
45-5-0267	Clydesdale EKC 31	Valid	Artefact, Modified Tree (Carved or Scarred)
45-5-0576	Blacktown Northwest 5 Riverstone Meatworks	Valid	Artefact

Site ID	Site name	Site status	Site features
45-5-0578	Blacktown Northwest 7;Riverstone Meatworks;	Valid	Artefact
45-5-0583	Marsden Park Echo Vale No 1 Riverstone Meatworks	Valid	Artefact
45-5-0584	Marsden Park Echo Vale No 2 Riverstone Meatworks	Partially Destroyed	Artefact
45-5-2735	WD9	Valid	Artefact
45-5-2750	C-IF-1/Clydesdale	Valid	Artefact
45-5-2751	C-IF-2	Valid	Artefact
45-5-2752	C-OS-1/Clydsdale	Valid	Artefact
45-5-2753	C-ST-1	Valid	Modified Tree Carved or Scarred
45-5-4159	MPP-02	Destroyed	Artefact
45-5-4161	WP 1 (Woorong Park)	Destroyed	Artefact
45-5-4162	WP 2 (Woorong Park)	Destroyed	Artefact
45-5-4163	WP 3 (Woorong Park)	Destroyed	Artefact
45-5-4164	WP6	Destroyed	Artefact
45-5-4165	WP 4 (Woorong Park)	Destroyed	Artefact
45-5-4166	WP5	Destroyed	Artefact
45-5-4167	MPP-04	Destroyed	Artefact
45-5-4168	MPP-05	Destroyed	Artefact
45-5-4169	MPP-06	Destroyed	Artefact
45-5-4181	MPP-18	Valid	Artefact
45-5-4349	MPE04-1	Destroyed	Artefact
45-5-4350	MPS 1 -1	Destroyed	Artefact
45-5-4351	MPE02-1	Destroyed	Artefact
45-5-4352	MPE03-1	Destroyed	Artefact
45-5-4353	MPE1-1	Destroyed	Artefact
45-5-4344	MPE04	Destroyed	Artefact
45-5-4345	MPS 1	Destroyed	Artefact
45-5-4346	MPE02	Destroyed	Artefact
45-5-4347	MPE03	Destroyed	Artefact
45-5-4348	MPE 1	Destroyed	Artefact
45-5-4522	NMP PAD 1	Valid	PAD
45-5-4588	Woorong 1	Destroyed	Artefact
45-5-4589	Woorong 2	Destroyed	Artefact
45-5-4590	Woorong 4	Destroyed	Artefact
45-5-4591	Woorong 3	Destroyed	Artefact
45-5-4592	Woorong 5	Destroyed	Artefact
45-5-4593	Woorong 6	Destroyed	Artefact
45-5-4705	Little Creek Alluvial Landscape	Destroyed	PAD
45-5-4697	Woorong Park Isolated Artefact 6	Destroyed	Artefact
45-5-4699	Woorong Park Artefact Scatter 2	Destroyed	Artefact

Site ID	Site name	Site status	Site features
45-5-4701	Woorong Park Isolated Artefact 2	Destroyed	Artefact
45-5-4637	WOORONG 7	Destroyed	Artefact
45-5-4638	WOORONG 8	Destroyed	Artefact
45-5-4639	WOORONG 9	Destroyed	Artefact
45-5-4640	WP7	Destroyed	Artefact
41-5-0013	WP8	Destroyed	Artefact
45-5-4641	WP9	Destroyed	Artefact
45-5-4642	WP10	Destroyed	Artefact
45-5-4949	Elara Keeping Place	Valid	Artefact
45-5-4970	MPIA8	Valid	Artefact
45-5-4971	MPIA13	Valid	Artefact
45-5-4972	MPIA17	Valid	Artefact
45-5-4974	MPIA1	Valid	Artefact
45-5-4975	MPIA2	Valid	Artefact
45-5-4976	MPIA3	Valid	Artefact
45-5-4977	MPIA4	Valid	Artefact
45-5-4978	MPIA5	Valid	Artefact
45-5-4979	MPIA6	Valid	Artefact
45-5-4980	MPIA7	Valid	Artefact
45-5-4981	MPIA16	Valid	Artefact
45-5-4982	MPIA14	Valid	Artefact
45-5-4986	MPIA9	Valid	Artefact
45-5-4987	MPIA10	Valid	Artefact
45-5-4988	MPIA11	Valid	Artefact
45-5-4989	MPIA12	Valid	Artefact
45-5-4990	MPIA15	Valid	Artefact
45-5-4994	MPAS4	Valid	Artefact
45-5-4995	MPAS3	Valid	Artefact
45-5-4996	MPAS2	Valid	Artefact
45-5-4997	MPAS1	Valid	Artefact
45-5-5003	MPAS6	Valid	Artefact
45-5-5004	MPAS5	Valid	Artefact
45-5-5006	MPAS8	Valid	Artefact
45-5-5007	MPAS7	Valid	Artefact

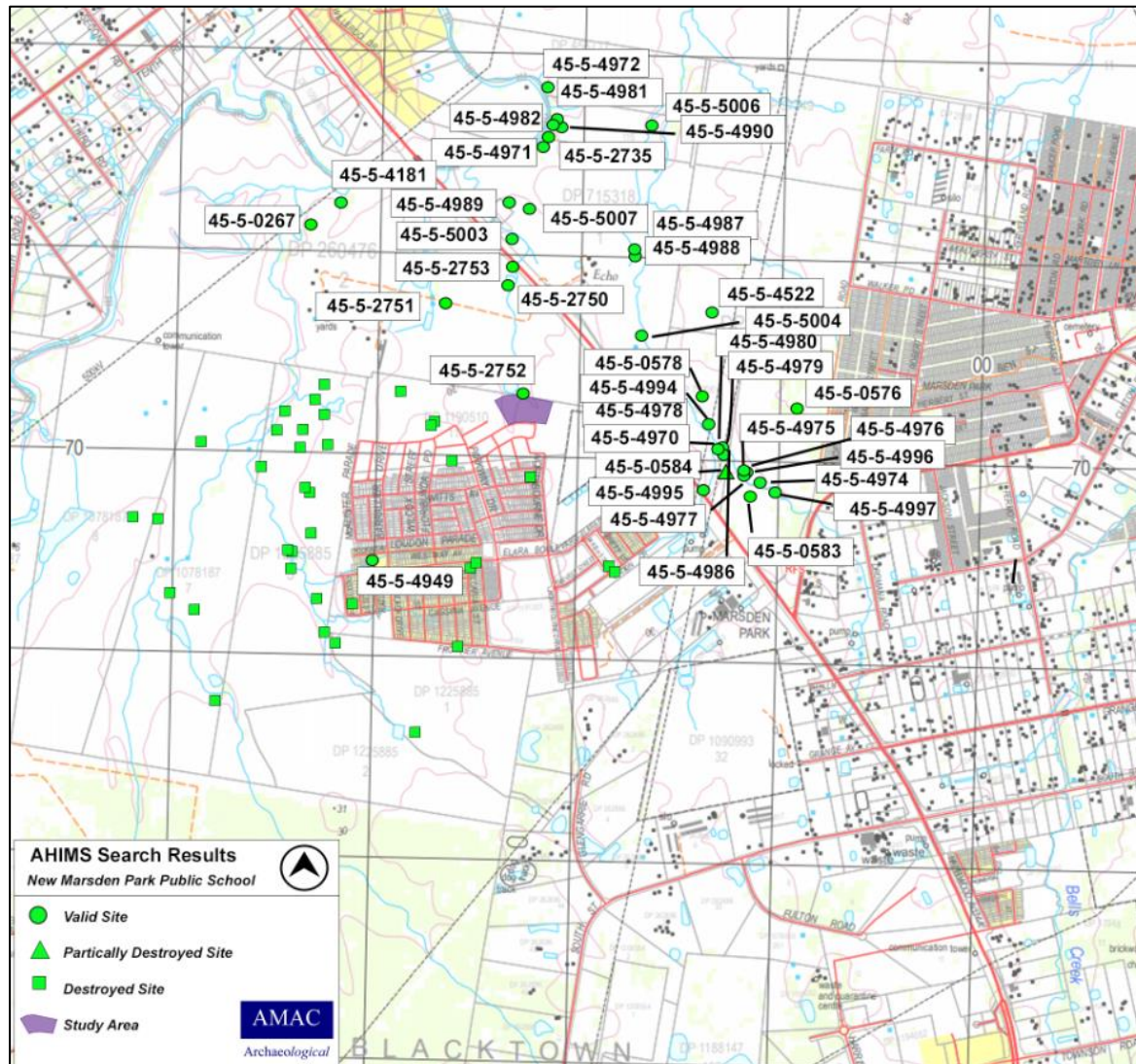


Figure 5.1 AHIMS Search Results
OEH (2018) Memory Map (2012) Topographic Map 1:25000 South East

5.6 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	N/a
Register of Declared Aboriginal Places	N/a
National Native Title Register	N/a
Local DCP – Marsden Park Precinct DCP, Aboriginal Cultural Heritage map (Figure 5.2)	low archaeological significance – Due Diligence Aboriginal Archaeological Assessment required



5.7 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).

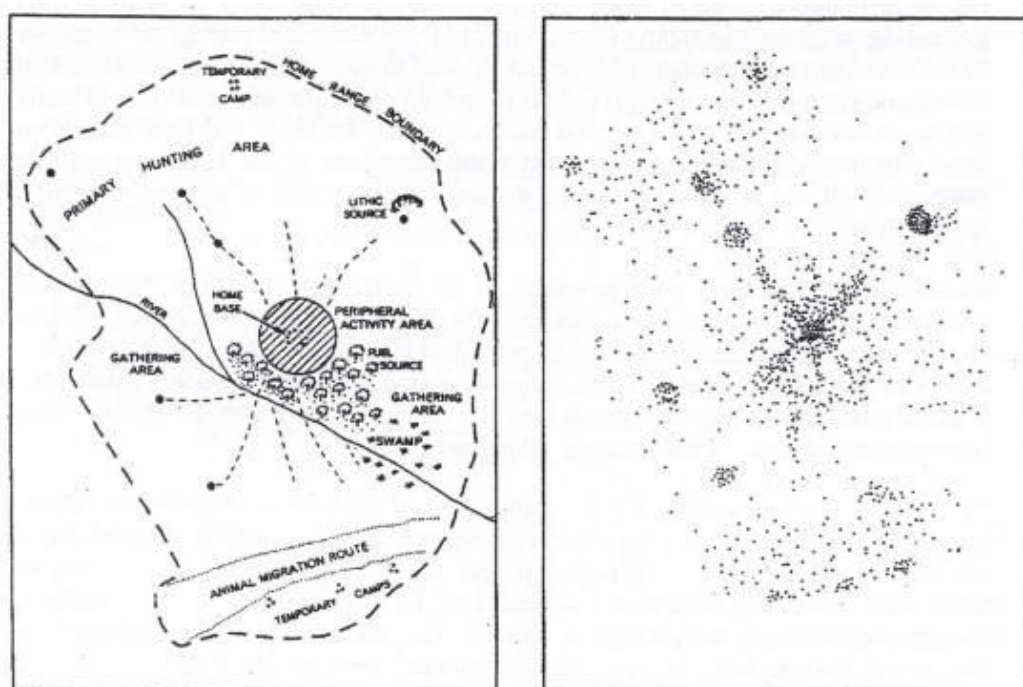


Figure 5.3 Examples of forager settlement patterns
Foley (1981)

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 (4th) order streams, within 50m (2nd) order streams and that artefact distributions around (1st) order streams was not significantly affected by distance from the watercourse. Landscapes associated with higher order streams (2nd) order streams were found to have higher artefact densities and more continuous distribution than lower order streams.

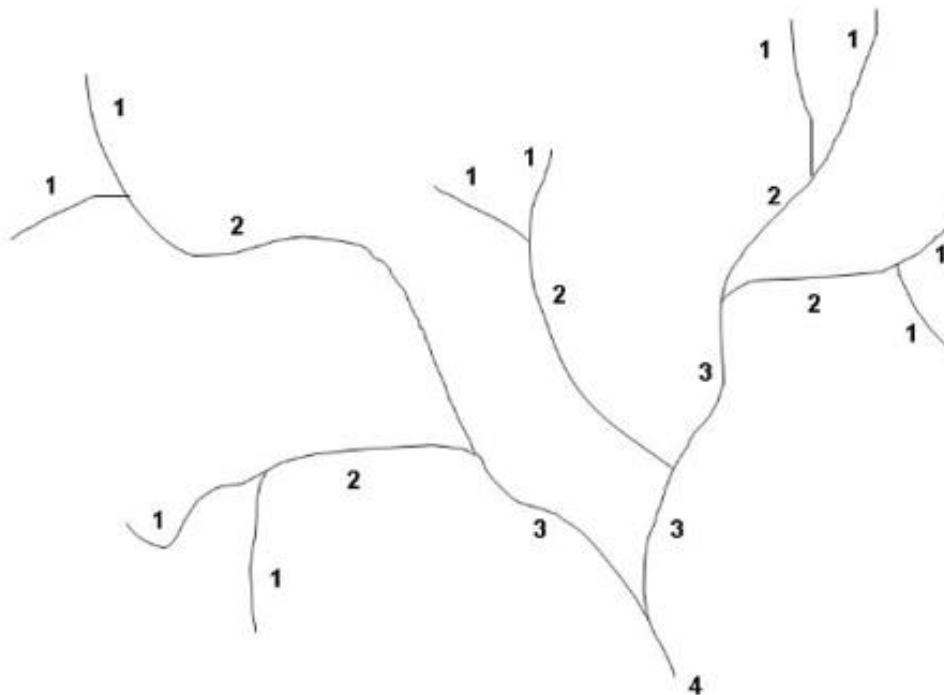


Figure 5.4

Strahler's hierarchy of tributaries
Strahler (1957)

Table 5.2 Relationship between landscape unit and site distribution for region

Landscape Unit /Site types	Site Distribution and activity
1st order stream	Archaeological evidence will be sparse and reflect little more than a background scatter
Middle reaches of 2nd Order Stream	Archaeological evidence will be sparse but focus activity (one off camp locations, single episodes and knapping floor)
Upper reaches of 2nd order stream	Archaeological evidence will have a relatively sparse distribution and density. These sites contain evidence of localised one-off behaviour.
Lower reaches of 3rd order stream	Archaeological evidence for frequent occupation. This will include repeated occupation by small groups, knapping floors (used and unused material) and evidence of concentrated activities.
Major creeklines 4th order streams	Archaeological evidence for more permanent or repeated occupation. Sites will be complex and may be stratified with a high distribution and density.
Creek junctions	This landscape may provide foci for site activity, the size of the confluence in terms of stream rankings could be expected to influence the size of the site, with the expectation of there being higher artefact distribution and density.
Ridge top locations between drainage lines	Ridge Tops will usually contain limited archaeological evidence, although isolated knapping floors or other forms of one off occupation may be in evidence in such a location.
Raw Materials near watersources	The most common raw materials are silcrete and chert in sites closer to coastal headlands, though some indurated mudstone/silicified tuff and quartz artefacts may also be found.
Grinding Grooves	Grinding Grooves may be found in the sandstone or shale/sandstone transition areas.
Scarred trees -	May occur in stands of remnant vegetation.
Ceremonial Sites	Consultation with relevant Aboriginal Stakeholder groups, individuals and review of ethnographic sources often reveal the presence of ceremonial or social sites.

This predictive model has been refined with focus on the dominant environment and landscape zones of the Cumberland Lowlands, such as the Wianamatta Group Shales, Hawksbury Sandstone, Quaternary alluvium, Quaternary Aeolian and Tertiary alluvium. Attenbrow (2002) discovered that the Quaternary alluvial deposits had a greater concentration of archaeological sites, which is likely the result of these deposits being located towards major creeklines and rivers, such as Eastern Creek, Second Ponds Creek etc. Areas of alluvial deposits were found by Kohen (1986) to contain artefact scatters of a large and complex nature the closer they were to permanent creeks.

Umwelt (2004) have identified similar environmental – archaeological relationships which contribute to the mapping and modelling of archaeological sites, such as;

- The pattern of watercourses and other landscape features such as ridge lines affected the ease with which people could move through the landscape;
- Certain landscape features such as crests or gently sloping, well-drained landforms influenced the location of camping places or vantage points that provided outlooks across the countryside;

- The morphology of different watercourses affected the persistence of water in dry periods and the diversity of aquatic resources and so influenced where, and for how long, people could camp or procure food;
- The distribution of rock outcrops affected the availability of raw materials for flakes and ground stone tools;
- The association of alluvial, colluvial and stable landforms affects the potential that sites will survive;
- European land-use practices affect the potential for site survival and/or the capacity for sites to retain enough information for us to interpret the types of activities that took place at a specific location.

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)

5.8 PREDICTIVE MODEL FOR THE STUDY SITE

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

Site Type	Research	Likelihood
Open Artefact Scatters	Higher order streams are located within the vicinity of the study area. The dearth of known reliable raw material source within nearby landscape units, would suggest that the artefacts may be significant in number but smaller in size on account to greater levels of stone tool reduction. Excavations in the vicinity of the study area indicate the presence of deposits that are suggestive of concentrated and repeated occupation.	Likely within undisturbed parts of the study site.
Isolated Artefacts	Higher order streams are located within the vicinity of the study site. The dearth of known reliable raw material source within nearby landscape units, would suggest that the artefacts may be significant in number but smaller in size, on account to greater levels of stone tool reduction. Excavations in the vicinity of the study area indicate the presence of deposits that are suggestive of concentrated and repeated occupation.	Likely within undisturbed parts of the study site.
Grinding Grooves	Boulders of sandstone or outcrops do not occur in the landscape units represented in the study site.	Unlikely/
Stone Resource Sites	Rock outcrops of suitable flaking material are almost absent from the soil landscapes represented within the study site.	Unlikely/
Scarred Trees	Trees of sufficient age are not located within the study site due to land clearing.	Unlikely/
Sandstone Shelters	The soil landscapes of the study site do not contain sandstone overhangs	Unlikely/
Burials	Undisturbed sandy loam deposits do not lie within the study site and the soil landscapes in which the study site is located are generally acidic. Skeletal remains tend to decompose very quickly in acidic soil profiles.	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 site

6.0 FIELDWORKS

The field inspection was undertaken on the 16th January 2019 by archaeological Benjamin Streat of AMAC/ SAS and a representative of the Deerubbin Local Aboriginal Land Council was present.

6.1 SITE SURVEY

6.1.1 Survey Methods

The study site was inspected on foot. Where practical the whole of the study site was inspected, however, there were a number of limiting factors such as dense grass/weeds covering areas of the site as well as bitumen surface encompassing the western end of the study site. Any areas of exposed soil or areas of erosion were inspected in detail.

All visible landscape units were inspected as well as photographed where informative details as to land use and disturbance could be ascertained. Information was also collected regarding land surface and vegetation conditions as encountered during the survey.

The following broadly outlines the methods adopted;

- field inspections will be carried out on foot;
- attempts will be made to relocate the registered sites within the study site and assess their condition;
- highly disturbed areas indicated on plans will be inspected to verify the level of disturbance and depending on level of disturbance will be included or excluded from the additional survey;
- undisturbed areas will be inspected in as much detail as the remaining surface coverage and environment will allow and the results will be recorded;
- areas of exposed ground such as tracks or eroded surfaces which allow good surface visibility will form the focus of the field inspections;

6.1.2 Inspection Results

It was observed that the study site has been significantly disturbed in the form of complete clearance of all vegetation. Full exposure of soils indicated the site has also been subject to erosion due to surface runoff causing sheet erosion. There are no dwellings currently standing. A man-made dam exists along the northern boundary.

Intact natural deposits were not observed. The surface exposed consisted of mixed material and rock fragments suggesting a fill deposit.

Table 6.1 Survey Results

Unit	Landform	Area (sq. m)	Visibility (%)	Exposure (%)	Effective Coverage (sq. m)	Effective Coverage (%)
Site	Flat/Ridge	33,380	90%	90%	27,037	80.9%



Figure 6.1 Study site illustrating level of clearing the site has been subject to.
AMAC (2019) IMG_1082



Figure 6.2 Study site illustrating level of exposure compared to adjacent property.
AMAC (2019) IMG_1083



Figure 6.3 Extent of fill on slope within study site
AMAC (2019) IMG_1087



Figure 6.4 Exposed soils have been subject to erosion
AMAC (2019) IMG_1085

6.2 TEST EXCAVATION

Test excavation is not necessary as there is currently a valid AHIP #C0000307 already in place for the study site. A copy of this AHIP can be seen in Appendix One.

6.3 SITE MEETING

All RAPs were given the opportunity to visit the site on Thursday 8th and Friday the 9th in order to discuss the way forward and new information attained regarding AHIP #C0000307. Benjamin Streat was on site both days. The following groups visited the site

- Deerubbin LALC – Steve Randall;
- Darug Custodian Aboriginal Corp. – Justin Coplin;
- Muragadi – Andrew Johnson;
- Murra Bidgee Mullangari – Ryan Johnson;
- Darug Aboriginal Cultural Heritage Assessments – Gordon Morton;

All RAPs present were in agreeance with the way forward and the status of the project. All RAPs were emailed with the project update and development information that was provided on site, in order to inform those who were unable to attend.

An updated version of this ACHA and AAA will be distributed to all RAPs for review and comment before finalisation.

7.0 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 site in consultation with the Registered Aboriginal Parties.

7.1 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 be dealt with?
- Do the participants have any concerns not yet raised in this interview?

7.2 REGISTERED STAKEHOLDER SUBMISSIONS TO QUESTIONS

No formal responses were received by any of the registered stakeholders.

7.3 REGISTERED STAKEHOLDER RESPONSES TO ACHA

7.2.1 Badu



Mon 22/07/2019 11:38 PM

BADU <baduchts@gmail.com>

Re: Marsden Park School - ACHA Responses

To Steven John Vasilakis

I agree with the ACHA and you have my full support, can you please put my stakeholder on the roster for the test excavation.

7.2.2 Walbunja



Fri 19/07/2019 2:01 PM

WALBUNJA <walbunja@gmail.com>

Re: Marsden Park School - ACHA Responses

To Steven John Vasilakis

I have read the ACHA and I agree and endorse the document, please consider including me in the test excavation.

7.2.3 Merrigarn



Thu 11/07/2019 12:29 PM

Shaun Carroll <Merrigarn@hotmail.com>

RE: Marsden Park School - ACHA

To Steven John Vasilakis

Hi Steve,

I have read the ACHA for the Marsden Park School and agree with your recommendations.

Kind regards

Shaun Carroll

0498696317

7.2.4 Muragadi



Thu 11/07/2019 1:06 PM

Muragadi <muragadi@yahoo.com.au>

RE: Marsden Park School - ACHA

To 'Steven John Vasilakis'

Hi Steve

I have read the ACHA for the Marsden Park School and endorse your recommendations.

Thanks

Anthony

0418970389

7.2.5 Darug Custodian Aboriginal Corporation



DARUG CUSTODIAN
ABORIGINAL
CORPORATION

PO BOX 81 WINDSOR 2756
PHONE: 0245775181 FAX: 0245775098
MOBILE: 0414962766 Justine Coplin
EMAIL: justinecoplin@optusnet.com.au

Attention: AMAC

Date: 19/07/19

Subject: Lot 2889 DP1230906 New Marsden Park Public School Richmond Road Marsden Park, NSW

Dear Steve

Our group is a non-profit organisation that has been active for over forty years in Western Sydney, we are a Darug community group with over three hundred members. The main aim in our constitution is the care of Darug sites, places, wildlife and to promote our culture and provide education on the Darug history.

Our group promotes Darug Culture and works on numerous projects that are culturally based as a proud and diverse group. It has been discussed by our group and with many consultants and researches that our history is generic and is usually from an early colonists perspective or solely based on archaeology and sites. These histories are adequate but they lack the people's stories and parts of important events and connections of the Darug people and also other Aboriginal people that now call this area home and have done so for numerous generations.

This area is significant to the Darug people due to the evidence of continued occupation, within close proximity to this project site there is a complex of significant sites.

Landscapes and landforms are significant to us for the information that they hold and the connection to Darug people. Aboriginal people (Darug) had a complex lifestyle that was based on respect and belonging to the land, all aspects of life and survival did not impact on

the land but helped to care for and conserve land and the sustenance that the land provided. As Darug people moved through the land there were no impacts left, although there was evidence of movement and lifestyle, the people moved through areas with knowledge of their areas

and followed signs that were left in the landscape. Darug people knew which areas were not to be entered and respected the areas that were sacred.

Knowledge of culture, lifestyle and lore have been part of Darug people's lives for thousands of years, this was passed down to the next generations and this started with birth and continued for a lifetime. Darug people spent a lifetime learning and as people grew older they passed through stages of knowledge, elders became elders with the learning of stages of knowledge not by their age, being an elder is part of the kinship system this was a very complicated system based on respect.

Darug sites are all connected, our country has a complex of sites that hold our heritage and past history, evidence of the Darug lifestyle and occupation are all across our country, due to the rapid development of Sydney many of our sites have been destroyed, our sites are thousands of years old and within the short period of time that Australia has been developed pre contact our sites have disappeared.

The *Aboriginal cultural heritage consultation requirements for proponents* Section 4.1.8 refers to "Aboriginal organisations representing Aboriginal people who hold cultural knowledge". Recent consultation meetings have revealed that many of these Aboriginal organisations and individuals do not hold cultural knowledge of the Western Sydney area. The increasing involvement of such parties in cultural heritage management means that genuine local Aboriginal organisations are unable to properly care for our cultural heritage.

Many Aboriginal organisations listed in the OEH response letter do not contribute to the Aboriginal community of Western Sydney. Individuals listed in the OEH response letter do not represent the community and while they may be consulted with, should not be employed for their own personal financial benefit.

Our organisation is committed to providing benefits back to our local Aboriginal community through such measures as funding the local Aboriginal juniors' touch football team, painting classes for the local children and donating money to various charities. Employment in cultural heritage activities is source of income that organisations such as ours can use to contribute to beneficial activities and support within the community.

Darug custodian Aboriginal Corporation's site officers have knowledge of Darug land, Darug Culture, Oral histories, landforms, sites, Darug history, wildlife, flora and legislative requirements. We have worked with consultants and developers for many years in Western

Sydney (Darug Land) for conservation, site works, developments and interpretation/education strategie

Darug Custodian Aboriginal Corporation have received and reviewed the report for Lot 2889 DP1230906 New Marsden Park Public School Richmond Road Marsden Park, NSW

We support the recommendations set out in this report.

Please contact us with all further enquiries on the above contacts.

Regards



Justine Coplin

7.2.6 Murra Bidgee Mullangari



Thu 11/07/2019 11:06 AM

Ryan Johnson <murrabidgeemullangari@yahoo.com.au>

RE: Marsden Park School - ACHA

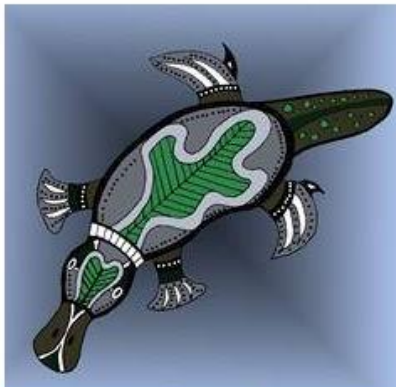
To 'Steven John Vasilakis'

Hi Steve,

I have read the project information and ACHA for the Marsden Park School, I endorse the recommendations made.

Thanks

Ryan Johnson | **Murra Bidgee Mullangari**



Aboriginal Corporation Cultural Heritage

7.2.7 Darug Land Observations



**DARUG LAND
OBSERVATIONS PTY LTD
ABN 27 602 765 453**

EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM
PO BOX 173 ULLADULLA NSW 2539
MOBILE: 0413 687 279

24th July, 2019

Steve Vasilakis
Archaeological Management & Consulting Group and
Streat Archaeological Services
122C Percival Road
STANMORE NSW 2048

Dear Steve,

**RE: LOT 2889 DP 1230906 - NEW MARSDEN PARK PUBLIC SCHOOL,
RICHMOND ROAD, MARSDEN PARK**

Aboriginal Cultural Heritage Assessment

Darug Land Observations Pty Ltd has reviewed the draft Aboriginal Cultural Heritage Assessment and supports the methodology for the proposed new Marsden Park Public School, of Lot 2889 in DP 1230906, located at Richmond Road, in Marsden Park.

In relation to the long-term storage of recovered artefacts, if any, we strongly believe that recovered artefacts should be reburied on Country (study area).

Furthermore, we would like to be involved in the archaeological test excavations, topsoil removal and/or all other forms of works to be carried out on the site.

Look forward to working with you on this project.

Yours sincerely,

Jamie Workman
Darug Land Observations Pty Ltd

The Late Uncle Gordon Workman
Darug Elder

7.2.8 Munyunga



Wed 24/07/2019 11:16 AM

MUNYUNGA MUNYUNGA <munyungachts@gmail.com>

Re: Marsden Park School - ACHA Responses

To Steven John Vasilakis

Hi there Steven, I can confirm My Stakeholder agree with the ACHA we have fully qualified Site Officers if you need them for any upcoming work.

I just got one last question can you send me another copy of the methodology.

7.2.9 Other responses

All stakeholders were contacted via telephone on the 19th July 2019. The following verbal responses were received of which all parties were in support of the recommendations outlined in the Aboriginal Cultural Heritage Assessment.

- Didge Ngunawal Clan;
- Gunjee Wong Cultural Heritage Aboriginal Corporation;
- Wailwan Aboriginal Group;
- Yurrandaali Cultural Services;
- Yulay Cultural Services;
- Darug Aboriginal Cultural Heritage Assessment;
- Walbunja – Representative Hika Te Kowhal has verbally agreed on behalf of the Murrin Nation in representation of the following groups; Dharug, Gundungurra, Tharawal, Eora, Elouera, Wandandian, Ngunawal, Walgalu, Ngarigo, Walbunja, Djiringanj, Thauaira and Bidawal.

8.0 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.

8.1 ARCHAEOLOGICAL SIGNIFICANCE

8.1.1 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).

The educational significance is considered low for the study site due to the highly disturbed nature of the preliminary earthworks conducted under AHIP #C0000307. This AHIP is still valid and covers known and unknown Aboriginal objects within the study site.

8.1.2 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).

The scientific significance is considered low for the study site due to the highly disturbed nature of the preliminary earthworks conducted under AHIP #C0000307. This AHIP is still valid and covers known and unknown Aboriginal objects within the study site.

8.1.3 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).

The representative significance is considered low for the study site due to the highly disturbed nature of the preliminary earthworks conducted under AHIP #C0000307. This AHIP is still valid and covers known and unknown Aboriginal objects within the study site.

8.2 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).

8.2.1 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 any registered Aboriginal parties.

8.2.2 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 any registered Aboriginal parties.

8.2.3 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 any registered Aboriginal parties.

9.0 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 site.

9.1 DESCRIPTION OF PROPOSED ACTIVITY AND IMPACTS

The proposed development will primarily consist of a two-storey building with an open plan quad on the ground floor (Figures 9.1-9.5). This building is surrounded by terraced sporting facilities such as a soccer field, sports court and various play area. Parking facilities are also proposed at the south western end. The plans are currently at a preliminary stage and as such no elevations plans have been provided yet therefore the extent of the impact of the proposed development on any potential archaeological deposits and or objects cannot be fully assessed. However, these plans indicate that significant earthworks are proposed as part of the terracing of the site as well foundations required for a two- storey development.

The study site has the potential to contain low- nil significant Aboriginal archaeological and cultural objects and/or deposits associated, these are likely within both disturbed and intact deposits.

The proposed study site is contained to Lot 2889 DP 1230906 (Figure 9.1). The preliminary plans indicate future roads and associated works planned for the surrounding area, of which will directly impact site# 45-5-2752, these road works are not subject of this assessment and therefore will require appropriate mitigation to take place such as either an AHIP or ACHMP depending on the development status of the proposed future works.

9.2 PROPOSED DEVELOPMENT JUSTIFICATION

The Marsden Park New Primary School will cater for 1,000 primary school students at completion. The proposal seeks consent for:

- Construction Stage 1 (Temporary School): a temporary school facility constructed within the western portion of the development site located on the future sports grounds. This temporary school facility is to accommodate a maximum of 500 students at any given time. Should the permanent school progress as per the program, the temporary school will not be required.
- Construction Stage 2 (Construction of Permanent School Facility): a permanent consolidated two storey courtyard building with capacity to accommodate a maximum of 1,000 students. This new school building is to comprise
 - 40 teaching spaces;
 - A canteen;
 - Library;
 - Multipurpose hall;
 - Office and administration space;
 - Staff and student amenities; and

- Out of school hours care accommodation.
- Multi-purpose sporting facilities and outdoor play spaces;
- Associated site landscaping and public domain improvements;
- An on-site car park for 48 parking spaces and a drop-off and pick-up area; and
- Construction of ancillary infrastructure and utilities as required.

9.3 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 site has the potential to contain low- nil significant Aboriginal archaeological and cultural objects and/or deposits associated, these are likely within both disturbed and intact deposits. AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance

9.4 ASSESSING HARM

The proposed development has the potential to harm objects and/or deposits of Aboriginal and archaeological significance. AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance.

9.5 AVOIDING AND MINIMISING HARM TO ABORIGINAL OBJECTS

The proposed development has the potential to harm objects and/or deposits of Aboriginal and archaeological significance. AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance

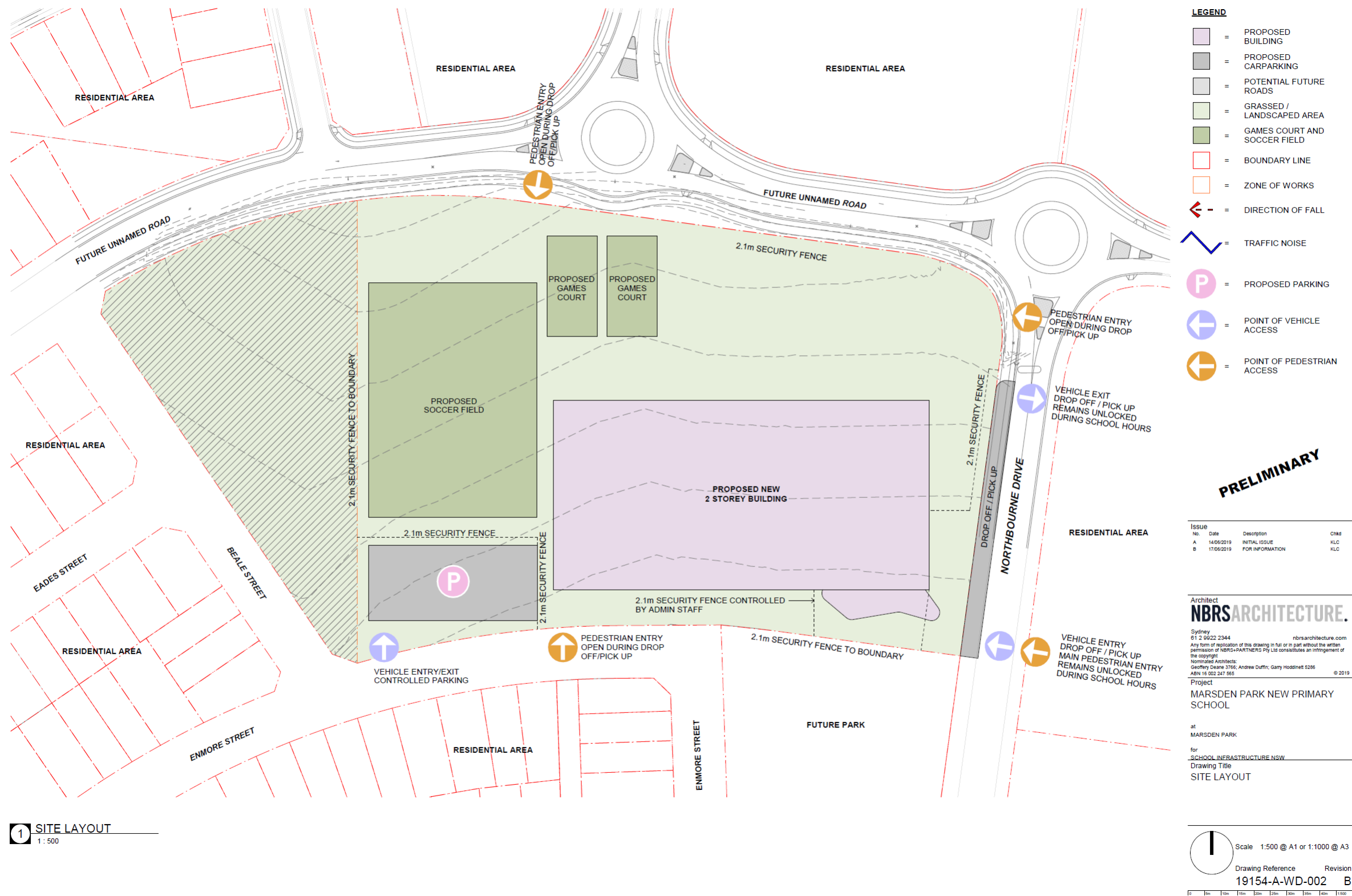
9.6 JUSTIFICATION OF HARM TO ABORIGINAL OBJECTS

AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance.

9.7 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.

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.





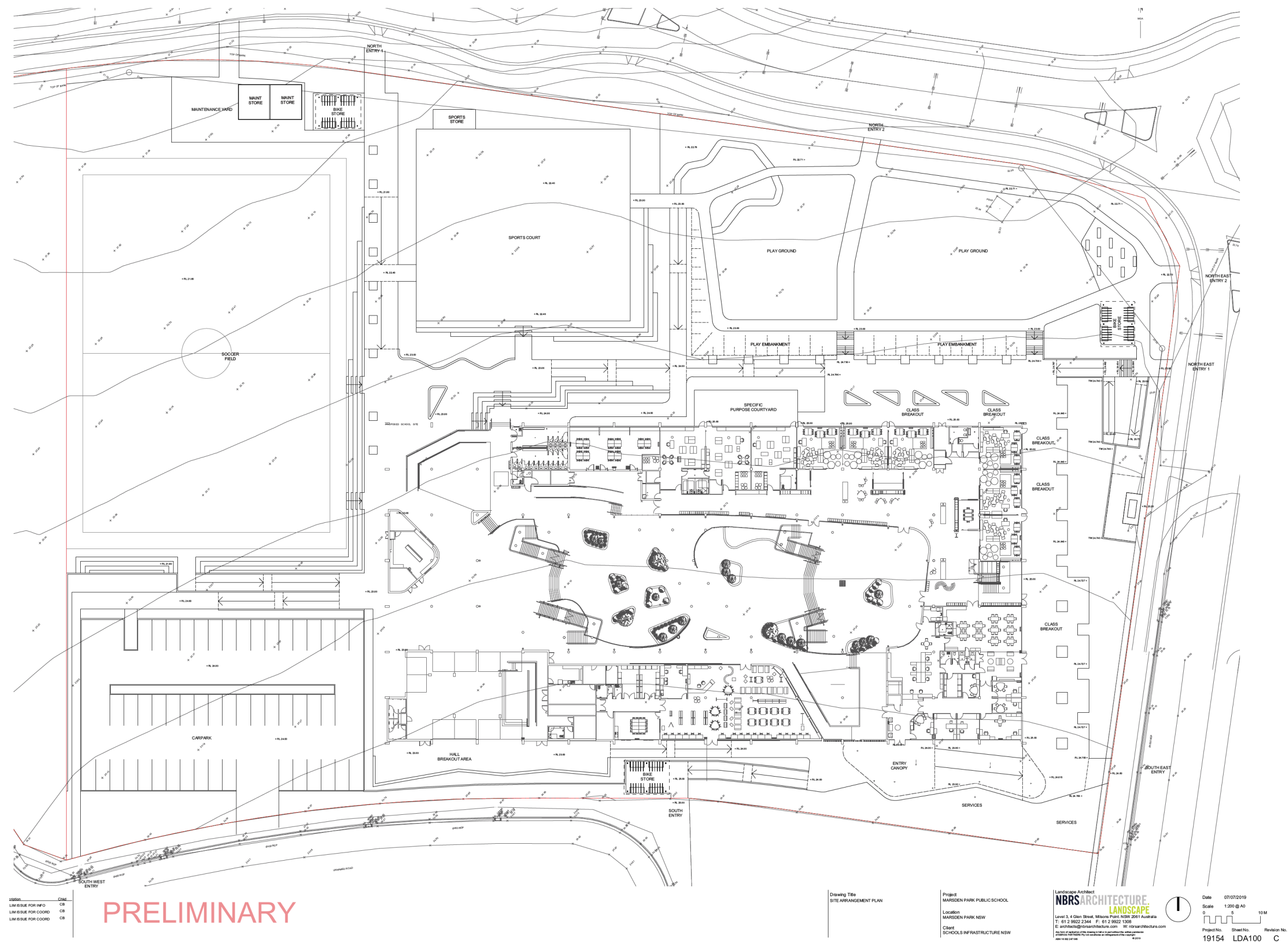
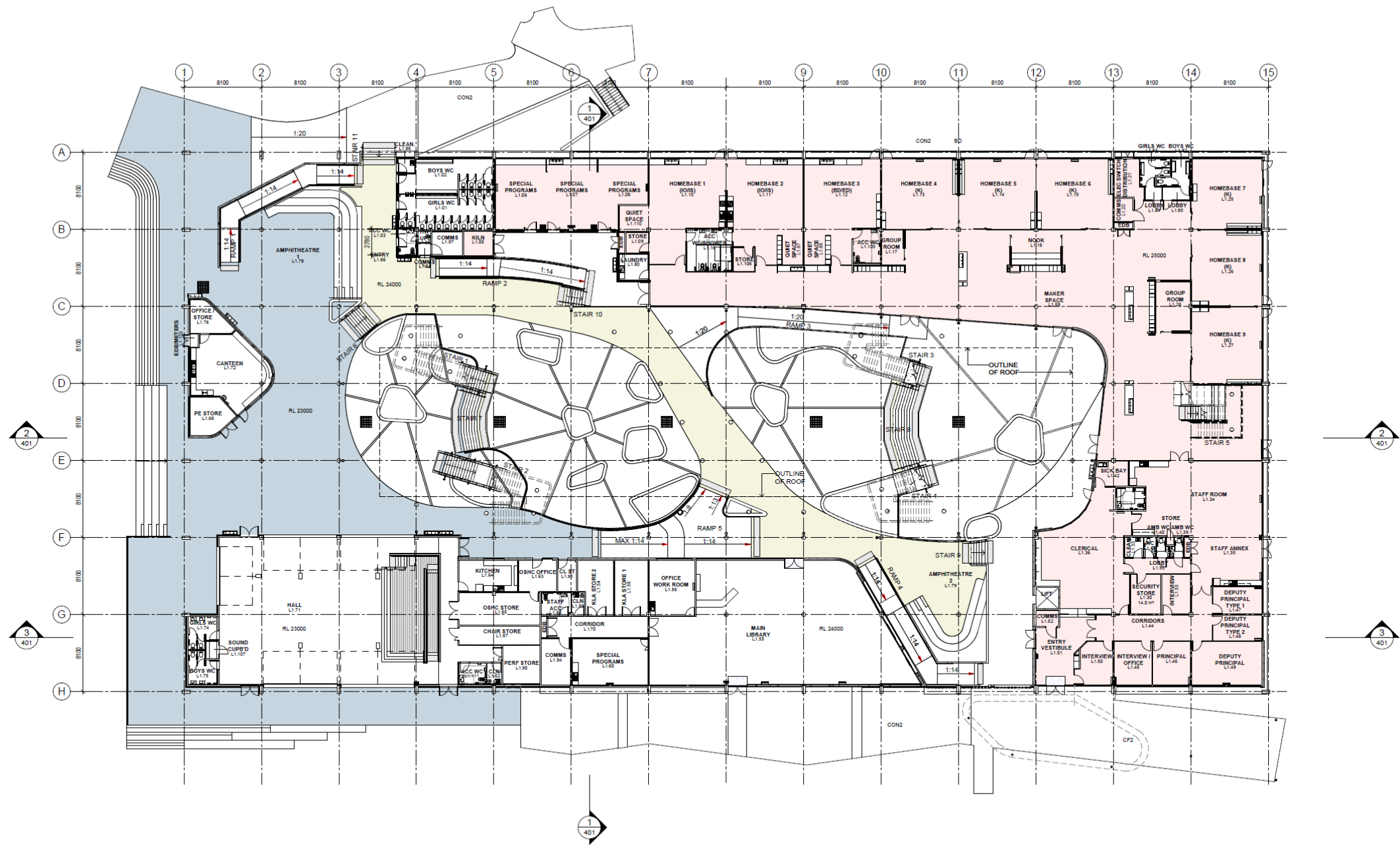


Figure 9.3 Site Arrangement Plan (survey levels)
NBR Architecture (2019) Sheet No. LDA100 Rev C.



1 LEVEL 1 - FLOOR PLAN
1 : 200

ISSUE	No.	Date	Description	CHKD
1	27/05/2019		FOR INFORMATION	

PRELIMINARY

Drawing Title
LEVEL 1 - FULL PLAN

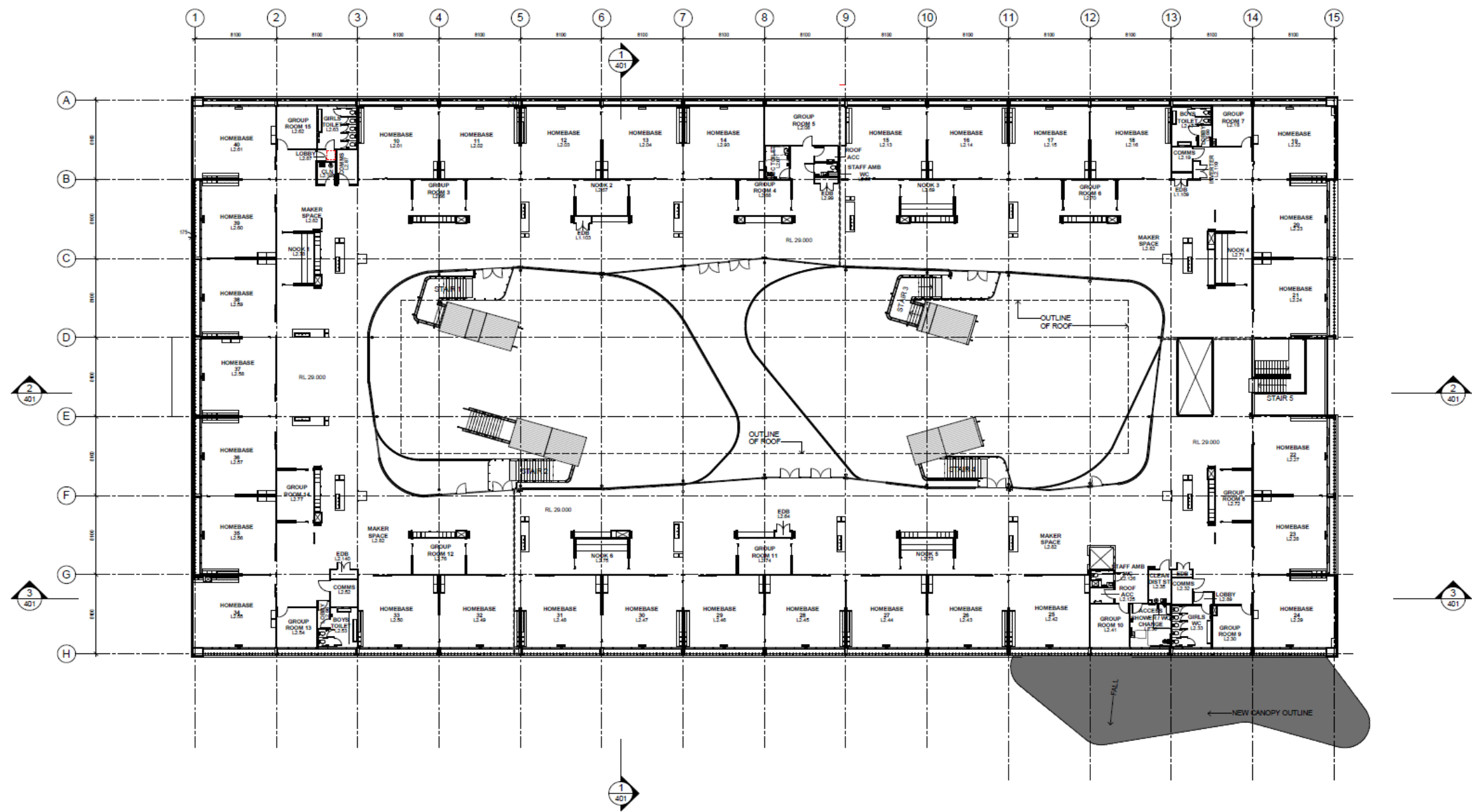
Project
MARSDEN PARK PUBLIC SCHOOL
at
Marsden Park NSW 2786

Architect
NBRSARCHITECTURE.
Sydney
61 2 9522 2344
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Normalised Architects
Andrew Duffin NSW 5602
NBRS & Partners Pty Ltd VIC 51157

Date 27/05/2019 5:17:07 PM
Scale 1 : 200 @ A1

Drawing Reference
19154-NBRS-A-DA-100
Revision
1

Figure 9.4 Level 1 - Full Plan
NBRS Architecture (2019) Drawing No.19154-NBRS-A-DA-100 Rev. 1



1 LEVEL 2 - FLOOR PLAN
1 : 200

Issue			
No.	Date	Description	Child
1	27/08/2019	FOR INFORMATION	

PRELIMINARY

Drawing Title
LEVEL 2 - FULL PLAN

Project
MARSDEN PARK PUBLIC SCHOOL
at
Marsden Park NSW 2765

Architect
NBRARCHITECTURE.
Sydney
61 2 9622 2344
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Nominated Architect:
Andrew Duffin NSW 5602
NBRSPARTNERS Pty Ltd VIC 51197

Date 27/08/2019 5:17:10 PM
Scale 1 : 200 @ A1

Drawing Reference
19154-NBRSPARTNERS-A-DA-105
Revision
1

Figure 9.5 Level 2 – Full Plan
NBRSPARTNERS (2019) 19154-NBRSPARTNERS-A-DA-105 Rev. 1

10.0 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 site;
- The impact of the proposed development on any Aboriginal archaeological material that may be present;
- The requirements of the consent authority (Department of Planning)

10.1 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*.

10.2 RECOMMENDATIONS

A background analysis of the environment and archaeological context revealed that the study site has moderate - high surface disturbances in response to an early works programme associated with the subdivision of the wider Marsden Park Precinct. As part of these early works, test excavation was undertaken by GML Heritage in 2013 which resulted in the application of an Aboriginal Heritage Impact Permit (AHIP). This permit is currently still active and as such no further investigation is necessary.

A search of the Aboriginal Heritage Information Management System (AHIMS) database as well as the Blacktown Marsden Park Precinct DCP 2016 has revealed a registered site (AHIMS Site No. 45-5-2752), bordering the northern boundary of the study site. This registered site contains 3 artefacts within a disturbed context. The registered site's close proximity to the study site indicate that the proposed future works will impact said site and will therefore require further investigation.

The following recommendations have been formulated after consultation with the proponent and the Office of Environment and Heritage (OEH);

- The proposed study site is contained to Lot 2889 DP 1230906 (Figure 9.1). The preliminary plans indicate future roads and associated works planned for the surrounding area, of which will directly impact site 45-5-2752, these road works are not subject of this assessment and therefore will require appropriate mitigation to take place such as either an AHIP or ACHMP depending on the development status of the proposed future works;
- 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

Term	Definition
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.
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.

Term	Definition
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
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.

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APPENDICES

APPENDIX ONE – AHIP #C0000307

Issue of Aboriginal Heritage Impact Permit

National Parks and Wildlife Act 1974 (NPW Act)



Your reference:
Our reference: AHIMS No. 3685 / FIL13/11836
Notice number: C0000308
Contact: Fran Scully (02) 9995 6830

STOCKLAND DEVELOPMENT PTY LTD
GPO Box 998
SYDNEY, NSW 1041
Australia

NOTICE OF THE ISSUE OF ABORIGINAL HERITAGE IMPACT PERMIT C0000307

Issued pursuant to section 90C(4) of the *National Parks and Wildlife Act 1974*

BACKGROUND

- A. Stockland Development Pty Ltd (the applicant) applied to the Office of Environment and Heritage, Department of Premier and Cabinet (OEH) under section 90A of the *National Parks and Wildlife Act 1974* (the NPW Act) for an Aboriginal Heritage Impact Permit (AHIP). The AHIP application was in relation to the subdivision and development of Stage 1 Marsden Park Precinct.
- B. OEH received the application on 10 December 2013 and further information was received on 8 January 2014 and 31 January 2014.

ISSUE OF ABORIGINAL HERITAGE IMPACT PERMIT

1. OEH has considered the application and supporting information provided, and matters under section 90K of the NPW Act and has decided to issue an AHIP C0000307 subject to conditions.
2. The AHIP is attached.
3. You should read the AHIP carefully and ensure you comply with its conditions.

It is an offence under section 90J NPW Act to fail to comply with the conditions of the AHIP. The maximum penalty that a court may impose on a corporation for failing to comply with this AHIP is \$1.1m. OEH can also issue penalty notices for this offence.

Notice No. C0000308
Application Ref No. A20337-2013
Printed: 5:07:30 PM 3/04/2014

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Issue of Aboriginal Heritage Impact Permit

National Parks and Wildlife Act 1974 (NPW Act)



A blue ink signature of David Trewin, consisting of a stylized 'D' followed by a horizontal line and a small flourish.

DAVID TREWIN

Senior Manager, Greater Sydney

Regional Operations

(by Delegation)

Date: 4 April 2014

INFORMATION ABOUT THIS NOTICE

- Details provided in this notice will be available on OEH's Public Register in accordance with section 188F of the National Parks and Wildlife Act 1974.

Variation of this AHIP

- This AHIP may only be varied on application by the AHIP holder or by OEH to correct typographical errors or resolve inconsistencies between conditions of the AHIP. A permit can only be varied by subsequent variation notices.

Appeals against this decision

You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

Notice No. C0000308
Application Ref No. A20337-2013
Printed: 5:07:30 PM 3/04/2014

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Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



Office of
Environment
& Heritage

AHIP number: C0000307

(AHIMS Permit ID: 3685)

AHIP Issued To:

STOCKLAND DEVELOPMENT PTY LTD
GPO Box 998
SYDNEY, NSW 1041
Australia

OEHS Office issuing this AHIP

Office of Environment and Heritage
Department of Premier and Cabinet (NSW)
Environment Protection and Regulation Group (EPRG)
Greater Sydney Region
PO Box 644
NSW 2421
Telephone number: (02) 9995 6830

Additional details for public register

a) Name of development or project	Stage 1 Marsden Park Precinct
b) Location	Marsden Park
c) Local Government Area(s)	Blacktown City Council
d) Description of harm authorised	<ul style="list-style-type: none">• Harm to certain Aboriginal objects through the proposed works•
e) AHIP commencement date and duration	<i>Commencement:</i> 4 April 2014 <i>Duration:</i> 10 years

AHIP number: C0000307
Application Ref No. A20337-2013
Printed: 4:39:59 PM 3/04/2014

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Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



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AHIP TO HARM ABORIGINAL OBJECTS

A. Background

- (i) On 10 December 2013 an application was made to the Director-General of the Department of Premier and Cabinet (OEH) for an Aboriginal Heritage Impact Permit (AHIP) pursuant to s.90 of the *National Parks and Wildlife Act 1974* (the Act).
- (ii) The application is to allow impact to all Aboriginal objects, known and unknown, within the Stage 1 Marsden Park Precinct.
- (iii) OEH considered the application and supporting information provided, and matters under section 90K of the Act and decided to issue an AHIP subject to conditions.

B. AHIP issued subject to conditions

An AHIP is issued to harm Aboriginal objects identified in Schedules B and C, in accordance with the conditions of this AHIP.

This AHIP is issued pursuant to section 90 of the Act.

C. Commencement and duration of AHIP

This AHIP commences on the date it is signed unless otherwise provided by this AHIP.

Unless otherwise revoked in writing, this AHIP remains in force for 10 years from the date of commencement.

D. Proposed Works

The proposed subdivision and redevelopment of the Stage 1 Marsden Park Precinct, including all associated infrastructural works.

Note: A Dictionary at the end of the AHIP defines terms used in this document. Further information about this AHIP is also set out after the Dictionary.

A handwritten signature in blue ink, appearing to read 'D. Trewin'.

DAVID TREWIN
Senior Manager, Greater Sydney
Regional Operations
(by Delegation)
DATED: 4 April 2014

Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



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Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



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LAND TO WHICH THIS AHIP APPLIES

Land as Illustrated in **Attachment 1: Map of the land to which this AHIP applies.**

CONDITIONS

The conditions of this AHIP specify the actions that are permitted and/or required in relation to areas and Aboriginal objects, which are detailed in the Schedules that follow.

Administrative Conditions

Responsibility for compliance with conditions of AHIP

1. The AHIP holder must ensure that all persons involved in actions or works covered by this AHIP (whether employees, contractors, sub-contractors, agents or invitees) are made aware of and comply with the conditions of this AHIP.

Project manager to oversee the actions relating to this AHIP

2. A suitably qualified and experienced individual must be appointed as a project manager who is responsible for overseeing, for and on behalf of the AHIP holder, all the actions relating to this AHIP.
3. The individual appointed as project manager must be the project manager nominated in the application form.
4. If an alternative to the nominated project manager is appointed, OEH must be notified of their contact details within 14 days of this appointment.

Actions must be in accordance with AHIP application

5. All actions on the land must be carried out in accordance with the application except as otherwise expressly provided by a condition of this AHIP.

Operational Conditions

Certain Aboriginal objects must not be harmed

6. All human remains in, on or under the land must not be harmed, other than any human remains identified in Schedule B4.

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Aboriginal Heritage Impact Permit

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Harm of certain Aboriginal objects through the proposed works

7. The Aboriginal objects described in Schedule C may be harmed. Nothing in this condition authorised harm to Aboriginal objects described in Schedule A (whether human remains, Aboriginal objects or 'no-harm areas').

Long term management of certain Aboriginal objects

8. Aboriginal objects recovered from sub-surface testing at Stage 1 Marsden Park Precinct under the *Code of Practice for Aboriginal Objects in New South Wales* will be reburied in the location identified on **Attachment 2: Map of location of reburial of Aboriginal objects** as soon as it is possible.

Notification and Reporting Conditions

Notification of commencement and completion of actions

9. Written notice must be provided to the OEH office at least **7 days** prior to the commencement of actions authorised by this AHIP.
10. Written notice must be provided to the OEH office within **7 days** of the completion of actions authorised by this AHIP.

Copy of this AHIP and notices to be provided to Registered Aboriginal Parties

11. A copy of this AHIP must be provided to each Registered Aboriginal Party, within **14 days** of receipt of the AHIP from OEH.
12. Where this AHIP is varied or transferred, a copy of the AHIP variation or transfer notice must be provided to each Registered Aboriginal Party, within **14 days** of receipt of the notice.

Human remains

13. If any human remains (other than any human remains described in Schedule B4) are discovered and/or harmed in, on or under the land, the AHIP holder must:
 - (a) not further harm these remains
 - (b) immediately cease all work at the particular location
 - (c) secure the area so as to avoid further harm to the remains
 - (d) notify the local police and OEH's Environment Line on 131 555 as soon as practicable and provide any available details of the remains and their location, and
 - (e) not recommence any work at the particular location unless authorised in writing by OEH.

Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



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Incidents which may breach the Act or AHIP

14. The AHIP holder must notify the OEH office in writing as soon as practicable after becoming aware of:
- (a) any contravention of s.86 of the Act not authorised by an AHIP, and/or
 - (b) any contravention of the conditions of this AHIP.

Reports about incidents which may breach the Act or AHIP

15. Where OEH suspects that an incident has occurred which may have breached the Act or AHIP, OEH may request a written incident report, which includes the following:
- (a) the nature of the incident
 - (b) the actual or likely impact of the incident on Aboriginal objects and/or Aboriginal places
 - (c) the nature and location of these Aboriginal objects and/or Aboriginal places, referring to and providing maps and photos where appropriate
 - (d) any conditions of an AHIP which may have been breached, and
 - (e) the measures which have been taken or will be taken to prevent a recurrence of the incident.
16. The incident report must be provided to the OEH office within the timeframe specified in the request.

Provision of Aboriginal Site Impact Recording Form

17. An Aboriginal Site Impact Recording Form must be completed and submitted to the AHIMS Registrar, for each AHIMS site identified in Schedules B and C, within **4 months** of the completion of the actions authorised by this AHIP.

Note:

- (i) The Aboriginal Site Impact Recording Form can be found on the OEH website:
<http://www.environment.nsw.gov.au/licences/DECCAHIIMSSiteRecordingForm.htm>
- (ii) Contact details for the AHIMS Registrar can be found on the OEH website:
<http://www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm>

General Conditions

Indemnity

18. The AHIP holder agrees to indemnify and keep indemnified, the Crown in right of NSW, the Minister administering the Act, the Director-General of OEH, and their employees, agents and contractors, in the absence of any willful misconduct or negligence on their part, from and against all actions, demands, claims, proceedings, losses, damages, costs (including legal costs), charges or expenses suffered or incurred by them resulting from:
- (a) any damage or destruction to any real or personal property; and

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- (b) injury suffered or sustained (including death) by any persons arising out of or in connection with any actions undertaken pursuant to this AHIP.

Release

- 19. The AHIP holder agrees to release to the full extent permitted by law, the Crown in right of NSW, the Minister administering the Act, the Director-General of OEH, and their employees, agents and contractors, in the absence of any willful misconduct or negligence on their part, from all suits, actions, demands and claims of every kind resulting from:
 - (a) any damage or destruction to any real or personal property; and
 - (b) injury suffered or sustained (including death) by any persons arising from or in connection with any actions undertaken pursuant to this AHIP.

Written notice

- 20. Any requirement to provide written notice to the OEH office in this AHIP may be complied with by faxing the notice to the OEH office's fax number or by sending by registered post to the OEH office's address. The OEH office's contact details are specified at the front of this AHIP.

Aboriginal Heritage Impact Permit

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SCHEDULES

The following schedules identify the areas and Aboriginal objects that are subject to the conditions of this AHIP.

Schedule A: Aboriginal objects which must not be harmed

A1 Human remains

All human remains in, on or under the land must not be harmed, other than any human remains identified in Schedule B4, as specified by the conditions of this AHIP.

A2 Aboriginal objects that are identified on AHIMS

N/A

A3 No-harm areas

N/A

Schedule B: Aboriginal objects that may be harmed through the certain actions

B1 Movement only

N/A

B2 Test/salvage excavations

N/A

B3 Community collection

N/A

B4 Other

N/A

Schedule C: Aboriginal objects which may be harmed through the proposed works

The Aboriginal objects described in this schedule may be harmed, but only in accordance with the conditions of this AHIP (excluding any Aboriginal objects described in Schedule A).

Aboriginal Heritage Impact Permit

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C1 Harm of Aboriginal objects identified on AHIMS

Portion of Site (whole or part)	AHIMS Site ID	Site Feature	Site Name	Information access restriction? (Y/N)	Easting	Northing	Datum
Whole	45-5-4167	Artefact & PAD	MPP04	N	297419	6269047	GDA
Whole	45-5-4168	Artefact	MPP05	N	296887	6269239	GDA
Whole	45-5-4162	Artefact	WP2 (Woorong Park)	N	297390	6269942	GDA
Whole	45-5-4353	Artefact & PAD	MPE01	N	297087	6270306	GDA
Whole	45-5-4351	Artefact & PAD	MPE02	N	297265	6270124	GDA
Whole	45-5-4352	Artefact & PAD	MPE03	N	297813	6269910	GDA
Whole	45-5-4349	Artefact & PAD	MPE04	N	297481	6269457	GDA
Whole	45-5-4350	Artefact	MPs01	N	298156	6268450	GDA

C2 Areas where harm of Aboriginal objects is authorised

All Aboriginal objects in, on or under the land, as illustrated on **Attachment 1: Map of the land to which this AHIP applies**.

Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



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DICTIONARY

In this AHIP, unless the contrary is indicated the terms below have the following meanings:

Aboriginal object	has the same meaning as in the Act.
Act	means the <i>National Parks and Wildlife Act 1974</i> .
AHIMS	means the Aboriginal Heritage Information Management System maintained by OEH, as defined in s.90Q of the Act.
AHIP	means Aboriginal Heritage Impact Permit
AHIP holder	means the entity or person listed on the cover page under the heading "AHIP issued to".
Application	means the completed application form and all other documents in written or electronic form which accompanied the application when it was lodged or which were subsequently submitted in support of the application.
Community collection	means the collection of Aboriginal objects by one or all Registered Aboriginal Parties or their representatives.
Community collection area	means an area described as a community collection area in Schedule B3
DPC	Department of Premier and Cabinet (NSW).
Director-General	means the Director-General of the Department of Premier and Cabinet (NSW).
EPRG	means Environment Protection and Regulation Group (in OEH)
Harm	has the same meaning as in the Act. In relation to Aboriginal objects, harm means the movement, damage, defacement and/or destruction of Aboriginal objects. In relation to an Aboriginal place, harm means the damage, defacement and/or destruction of the Aboriginal place.
Land	means the land described under the heading "Land to which this AHIP applies".
No-harm areas	means those areas described in Schedule A3.
OEH	Office of Environment and Heritage within the Department of Premier and Cabinet (NSW).
OEH office	means the office listed on the cover page of this AHIP.
Proposed works	means the works described under the heading "D. Proposed Works" at the front of this AHIP.
Public register	means the public register established under s.188F of the Act, that contains details of AHIPs issued by the Director-General DPC, as described under the heading "Information about this AHIP".
Registered Aboriginal Parties	means the Registered Aboriginal Parties listed in the application.
Salvage excavation	means an archaeological excavation carried out in accordance with the methodology accompanying the application, as modified by the conditions of this AHIP. The purpose of salvage excavation is to

AHIP number: C0000307
Printed: 4:39:59 PM 3/04/2014

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Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



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	recover a sample of Aboriginal objects as an archival record of Aboriginal life from a site that will be destroyed.
Salvage excavation area	means any area described as a salvage excavation area in Schedule B2.
Test excavation	means an archaeological excavation carried out in accordance with methodology accompanying the application, as modified by the conditions of this AHIP. The purpose of test excavation is to collect a sample of Aboriginal objects, in order to establish the nature and extent of sub-surface Aboriginal objects and to assist in the assessment of management options for the site.
Test excavation area	means any area described as a test excavation area in Schedule B2

Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



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INFORMATION ABOUT THIS AHIP

Public Register

Under section 188F of the Act, the Director-General is required to keep a public register containing the details of each AHIP issued. The details of this AHIP that will be published on the public register are outlined on the front page of this AHIP.

The public register is available online at www.environment.nsw.gov.au

Appeals

Under section 90L of the Act, the AHIP holder may appeal to the Land and Environment Court if they are dissatisfied with any condition of this AHIP. The appeal must be lodged within 21 days of the date this AHIP was issued.

Penalties for breach of the Act or AHIP condition

Significant penalties can be imposed by the Land and Environment Court for harm to an Aboriginal object or Aboriginal Place other than as authorised by a condition of an AHIP, or for a breach of an AHIP condition. OEH can also issue penalty notices for a breach of the Act or AHIP condition.

Responsibility for obtaining all approvals and compliance with applicable laws

The AHIP holder is responsible for obtaining and complying with all approvals necessary to lawfully carry out the work referred to in this AHIP, including but not limited to development consents.

Other relevant provisions of the *National Parks and Wildlife Act*

Newly identified Aboriginal objects must be notified to the Director-General under s.89A of the Act using the form available online at www.environment.nsw.gov.au

Stop work orders, interim protection orders and remediation directions may be issued in certain circumstances to protect Aboriginal objects or places.

Obligation to report Aboriginal remains under Commonwealth laws

The AHIP holder may have additional obligations to report any discovery of Aboriginal remains under the *Aboriginal and Torres Strait Islander Heritage Protection Act 1984*.

Exercise of investigation and compliance powers

Officers appointed or authorised under the Act may exercise certain powers and functions, including the power to enter land.

Duration of AHIP

This AHIP remains in force for the period specified in the AHIP.

Variation of AHIP

The AHIP holder may apply to the OEH office for a variation of any conditions of an AHIP, using the AHIP variation application form available online at www.environment.nsw.gov.au. Requests for significant variations must be accompanied by evidence of further consultation with Registered Aboriginal Parties and may include payment of fees.

Aboriginal Heritage Impact Permit

Section 90 of the National Parks and Wildlife Act 1974



The conditions of an AHIP may be varied at any time by the Director General in order to correct a typographical error or to resolve an inconsistency between conditions. The AHIP holder may appeal a decision of the Director General to vary the conditions of the AHIP.

Transfer of AHIP

The AHIP holder may apply to transfer this AHIP to another person by using the AHIP transfer application form available online at www.environment.nsw.gov.au.

Surrender of AHIP

The AHIP holder may apply to surrender this AHIP by using the AHIP surrender application form available online at www.environment.nsw.gov.au. The surrender must be approved by the Director-General and may be subject to conditions.

Suspension and revocation of AHIP

An AHIP may be suspended or revoked at any time at the discretion of the Director-General. Prior to suspending or revoking the AHIP, the AHIP holder will be given notice and an opportunity to make submissions. The AHIP holder will be notified in writing of the final decision. The AHIP holder may appeal a decision to revoke the AHIP.

Entry to land

An AHIP does not automatically entitle its holder to enter land for the purpose of conducting work related to the AHIP. The AHIP holder is responsible for obtaining permission to enter land from the owner and/or occupier of the land.

Disclosure of information pursuant to lawful requirement

This AHIP does not prevent the disclosure of any information or document in OEH's possession in accordance with any lawful requirement.

Making copies of reports

By providing a report, the AHIP holder acknowledges that OEH can use the information in that report to inform its regulatory functions, note details of that report in AHIMS and include a copy of the report in its library which may be available to members of the public.

OEH is able to make copies of any reports provided to OEH under this AHIP.



ATTACHMENT 1:- MAP OF THE LAND TO WHICH THE AHIP APPLIES, IN YELLOW



APPENDIX TWO – AHIMS SITE SEARCH RESULTS



Office of
Environment
& Heritage

AHIMS Web Services (AWS) Search Result

Purchase Order/Reference : Marsden Park

Client Service ID : 391206

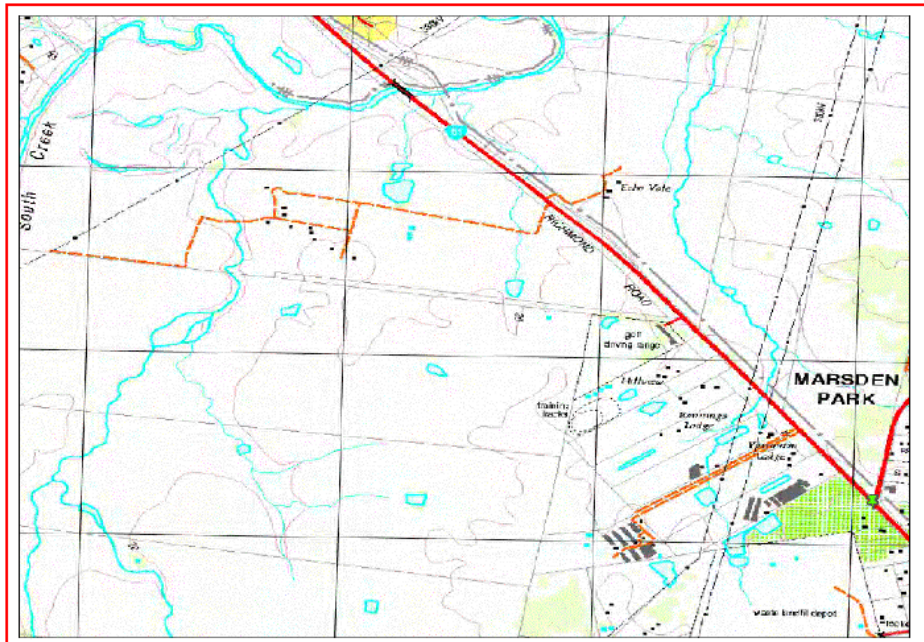
Benjamin Streat
122 c-d Percival Road
Stanmore New South Wales 2048
Attention: Benjamin Streat
Email: streatarchaeological@netspace.net.au

Date: 09 January 2019

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lat, Long From : -33.6937, 150.8078 - Lat, Long To : -33.6847, 150.8221 with a Buffer of 1000 meters, conducted by Benjamin Streat on 09 January 2019.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of the Office of the Environment and Heritage AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

75	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *

APPENDIX A: ABORIGINAL ARCHAEOLOGICAL ASSESSMENT

Lot 2889 DP1230906

Marsden Park New Primary School

**Corner of Northbourne Drive (east) and
proposed future road (north), Elara Estate.
Marsden Park, NSW
(Blacktown LGA)**



Benjamin Streat and Yolanda Pavincich

Archaeological Management and Consulting
Group & Streat Archaeological Services Pty Ltd

For

**School Infrastructure
NSW Department of Education**

Version 5

September 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)*



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Cover Image

Site inspection of study site
AMAC (2018) IMG_1090

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EXECUTIVE SUMMARY

Background

This Aboriginal Cultural Heritage Assessment and supporting Aboriginal Archaeological Assessment has been prepared by Archaeological Management and Consulting Group (AMAC) in conjunction with Streat Archaeological Services Pty Ltd (SAS) on behalf of Schools Infrastructure NSW (SINSW) (the Applicant). It accompanies an Environmental Impact Statement (EIS) in support of State Significant Development Application (SSDA) #9809 for the Marsden Park New Primary School at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park (the site).

The site is legally described as Lot 2889 in Deposited Plan 1230906. The development footprint does not include a portion of the site to the west as this is reserved for a future alternative use.

The Marsden Park New Primary School will cater for 1,000 primary school students at completion. The proposal seeks consent for:

- Construction Stage 1 (Temporary School): a temporary school facility constructed within the western portion of the development site located on the future sports grounds. This temporary school facility is to accommodate a maximum of 500 students at any given time. Should the permanent school progress as per the program, the temporary school will not be required.
- Construction Stage 2 (Construction of Permanent School Facility): a permanent consolidated two storey courtyard building with capacity to accommodate a maximum of 1,000 students. This new school building is to comprise
 - 40 teaching spaces;
 - A canteen;
 - Library;
 - Multipurpose hall;
 - Office and administration space;
 - Staff and student amenities; and
 - Out of school hours care accommodation.
- Multi-purpose sporting facilities and outdoor play spaces;
- Associated site landscaping and public domain improvements;
- An on-site car park for 48 parking spaces and a drop-off and pick-up area; and
- Construction of ancillary infrastructure and utilities as required.

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).

There is a mandatory 28-day period for the Aboriginal stakeholders to comment on this document. All comments have been included in this report of which makes up the final Aboriginal stakeholder approved version of this report. A full transcript of all consultation material can be found in AMAC 2019 *Appendix C: Aboriginal Consultation Log; Lot 288 DP 1230906; Marsden Park New Primary School; Corner of Northbourne Drive (east) and proposed future road ((north), Elara Estate; Marsden Park, NSW; (Blacktown LGA).*

Recommendations

A background analysis of the environment and archaeological context revealed that the study site has moderate - high surface disturbances in response to an early works programme associated with the subdivision of the wider Marsden Park Precinct. As part of these early works, test excavation was undertaken by GML Heritage in 2013 which resulted in the application of an Aboriginal Heritage Impact Permit (AHIP). This permit is currently still active and as such no further investigation is necessary.

A search of the Aboriginal Heritage Information Management System (AHIMS) database as well as the Blacktown Marsden Park Precinct DCP 2016 has revealed a registered site (AHIMS Site #45-5-2752), bordering the northern boundary of the study site. This registered site contains 3 artefacts within a disturbed context. The registered site's close proximity to the study area indicate that the proposed future works will impact said site and will therefore require further investigation.

The following recommendations have been formulated after consultation with the proponent and the Office of Environment and Heritage (OEH);

- The proposed study site is contained to Lot 2889 DP 1230906 (Figure 8.1). The preliminary plans indicate future roads and associated works planned for the surrounding area, of which will directly impact site 45-5-2752, these road works are not subject to this assessment and therefore will require appropriate mitigation to take place such as either an AHIP or ACHMP depending on the development status of the proposed future works;
- 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 Marsden Park Police Area Command		PAC Office: 4 Elizabeth Street Riverstone NSW 2765 Ph: (02) 9838 2199 Fax: (02) 9838 2111
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Office of Environment & Heritage NSW Regional operations: Parramatta	Archaeologist – Head Office	PO Box 644 Parramatta NSW 2124 Ph: (02) 9995 5000 info@environment.nsw.gov.au
Deerubbin Local Aboriginal Land Council (DLALC)	Cultural Heritage Officer	Po Box 40 Penrith, NSW 2750 (02) 4724 5600 srandall@deerubbin.org.au
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Darug Aboriginal Cultural Heritage Assessments	Celestine Everingham	9410 3665/0422 865 831
Kamilaroi Yankuntjatjara Working Group	Phil Khan	Philipkhan.acn@live.com.au

1.0 INTRODUCTION

1.1 BACKGROUND

This Aboriginal Cultural Heritage Assessment and supporting Aboriginal Archaeological Assessment has been prepared by Archaeological Management and Consulting Group (AMAC) in conjunction with Streat Archaeological Services Pty Ltd (SAS) on behalf of Schools Infrastructure NSW (SINSW) (the Applicant). It accompanies an Environmental Impact Statement (EIS) in support of State Significant Development Application (SSDA) #9809 for the Marsden Park New Primary School at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park (the site).

The site is legally described as Lot 2889 in Deposited Plan 1230906. The development footprint does not include a portion of the site to the west as this is reserved for a future alternative use.

The Marsden Park New Primary School will cater for 1,000 primary school students at completion. The proposal seeks consent for:

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 - A canteen;
 - Library;
 - Multipurpose hall;
 - Office and administration space;
 - Staff and student amenities; and
 - Out of school hours care accommodation.
- Multi-purpose sporting facilities and outdoor play spaces;
- Associated site landscaping and public domain improvements;
- An on-site car park for 48 parking spaces and a drop-off and pick-up area; and
- Construction of ancillary infrastructure and utilities as required.

1.2 STUDY SITE

The study site is that piece of land described as Lot 2889 of the Land and Property Information, Deposited Plan 1230906, at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park in the Parish of Rooty Hill, County of Cumberland (Figure 3.1 – Figure 3.2).

The development footprint does not include a portion of the site to the west as this is reserved for a future alternative use.

Lot	Deposited Plan
2889	1230906

1.3 SCOPE

The aims of this assessment are, to assess the Aboriginal archaeological potential of the study site 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 site. 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. All comments have been included in this report of which makes up the final Aboriginal stakeholder approved version of this report. A full transcript of all consultation material can be found in AMAC 2019 *Appendix C: Aboriginal Consultation Log; Lot 288 DP 1230906; Marsden Park New Primary School; Corner of Northbourne Drive (east) and proposed future road ((north), Elara Estate; Marsden Park, NSW; (Blacktown LGA).*

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

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- Mathew Wood of Department of Education – Education School Infrastructure;
- Richard Sheraton of Ontoit Global Pty Ltd;
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- Elouera;
- Gunyuu;
- Eora;
- Walbunja;
- Djiringanj;
- Dharug Dharug;
- Curwur Murre;
- Bullawaya;
- Murra Bidgee Mullangari;
- Bidawal;
- Badu;
- Tharawal CHTS;
- Bilinga CHTS;
- Gangangarra;
- Kuringgai;
- Munyunga;
- Murrin;
- Gunjeewong Cultural Heritage Aboriginal Corp;
- Didge Ngunawal Clan;
- Kamilaroi Yankuntjatjara Working Group;
- Ngarigo;
- Ngunawal;
- Nundagurri;
- Walbunja Elders;
- Gulla Gunar;
- Golangaya;
- Gadung;
- Bulling Gang;
- Yerramurra;
- Wingikara;
- Wandandian;
- Thauaira;
- Walgalu;
- Tocomwall;
- Merrigarn Indigenous Corp.;
- Wailwan Aboriginal Group;
- Yurrandaali Cultural Services;
- Murrumbul;
- Darug Custodian Aboriginal Corp.;
- Darug Aboriginal Cultural Heritage Assessments
- Deerubbin Local Aboriginal Land Council;

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, or*
- (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, or*
- (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 3.1 and 3.4 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 4.15 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).

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).

2.2.7 North West Priority Growth Area 2017

The study site is located within the North West Growth Centre pursuant to State Environmental Planning Policy. Section 5, Subsection 5.2.7 Aboriginal and European Heritage, outlines the general heritage considerations as part of the precinct planning process. These considerations can be seen below.

Due consideration given to Aboriginal and European heritage is given during the precinct planning process. To complete the analysis across the growth area, Archaeological and Heritage Management Solutions Pty Ltd (AHMS, June 2015) produced an Aboriginal and Historic Heritage Gap Analysis for the two remaining unreleased Priority Precincts within the Growth Area, Shanes Park and West Schofields.

The study found that there are a number of localities that are worthy of further assessment in West Schofields while there is an absence of listed sites in Shanes Park despite the fact that this parcel of land formed part of one of the earliest land grants in the region – John Harris' 'Shanes Park' Estate.

These areas are characterised by the Cumberland Plain subregion and, from an Aboriginal heritage perspective, are archaeologically similar to the rest of the Priority Growth Area. The areas have several key waterways including South Creek, Ropes Creek, Eastern Creek, and Bells Creek, and therefore have potential for cultural sites along these, similar to those found elsewhere along Second Ponds Creek and the Hawkesbury Nepean River.

There is also some limited potential for culturally modified (scarred) trees to be present in areas with remnant native vegetation. Recent work by AHMS in the Schofields Dairy Corporation site and the Colebee release area suggests the banks of Eastern Creek contain extensive cultural material (including sites with tens of thousands of stone tools) and are some of the most important deposits currently known in the Cumberland Plain.

Two other areas of key importance were also identified in relation to Aboriginal heritage: Plumpton Ridge and a possible precontact Aboriginal cemetery. These areas will be considered in detail during precinct planning.

This extract identifies the importance of waterways as areas of potential cultural sites. The hydrology of the site including watercourses within the vicinity have been addressed within this report in order to further understand the likelihood of potential Aboriginal objects and/or features of archaeological and/or cultural value within the study site.

2.3 LOCAL PLANNING INSTRUMENTS

2.3.1 Blacktown Marsden Park Precinct DCP 2016

The Blacktown City Council Marsden Park Precinct was endorsed in 2016 under Schedule 6 of the Development Control Plans. Aboriginal Heritage is discussed in Chapter 4.0 General Precinct Controls under Section 4.5. The following section highlights heritage considerations in relation to the Marsden Park Precinct Zone:

4.5 Aboriginal Heritage

Due Diligence

In order to ensure that a person who undertakes activities that may harm Aboriginal objects identified in Figure 3-5 exercises due diligence, a due diligence assessment will be required for those activities.

The Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales is designed to assist individuals and organisations to exercise due diligence when carrying out activities that may harm Aboriginal objects and to determine whether they need to apply for an Aboriginal heritage impact permit (AHIP) under the National Parks and Wildlife Act 1974. The Code of Practice outlines a five-step assessment process:

- Step 1. Establish whether the activity will disturb the ground surface or any culturally modified trees.*
- Step 2. Establish whether there are any (a) relevant confirmed site records on the Aboriginal Heritage Information Management System (AHIMS) sites database or any other sources of information of which a person is already aware, and (b) landscape features that are likely to indicate the presence of Aboriginal objects.*
- Step 3. Establish whether harm to any Aboriginal objects or landscape features identified in Step 2 can be avoided by the proposed activity;*
- Step 4. Undertake further desktop assessment and visual inspection to establish whether there are Aboriginal objects present or whether they are likely.*
- Step 5. Undertake further investigation and impact assessment if required.*

Investigations to support an AHIP application are to be undertaken in consultation with Aboriginal stakeholders including the Darug Aboriginal Cultural Heritage Assessments and the Darug Custodian Aboriginal Corporation.

Consultation and Interpretation

A subdivision Development Application is to detail opportunities for ongoing consultation and interpretation of Aboriginal heritage values.

This document adheres to the steps outlined within the Blacktown Marsden Park Precinct DCP 2016 in the assessment of potential harm and impact to Aboriginal objects and or features of archaeological and or cultural heritage value that may be present. A desktop study has indicated that further investigation in the form of test excavation is to be undertaken and in consultation with the Registered Aboriginal Parties this is currently being undertaken.

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

All works for this report were 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).
- Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW 2011).

3.0 DESCRIPTION OF STUDY SITE

The study site is that piece of land described as Lot 2889 of the Land and Property Information, Deposited Plan 1230906, at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park in the Parish of Rooty Hill, County of Cumberland (Figure 3.1 – Figure 3.2).

The development footprint does not include a portion of the site to the west as this is reserved for a future alternative use.

Lot	Deposited Plan
2889	1230906



Figure 3.1 Aerial of study site.
Study site in red. Six Maps, LPI Online (accessed 08/01/19)

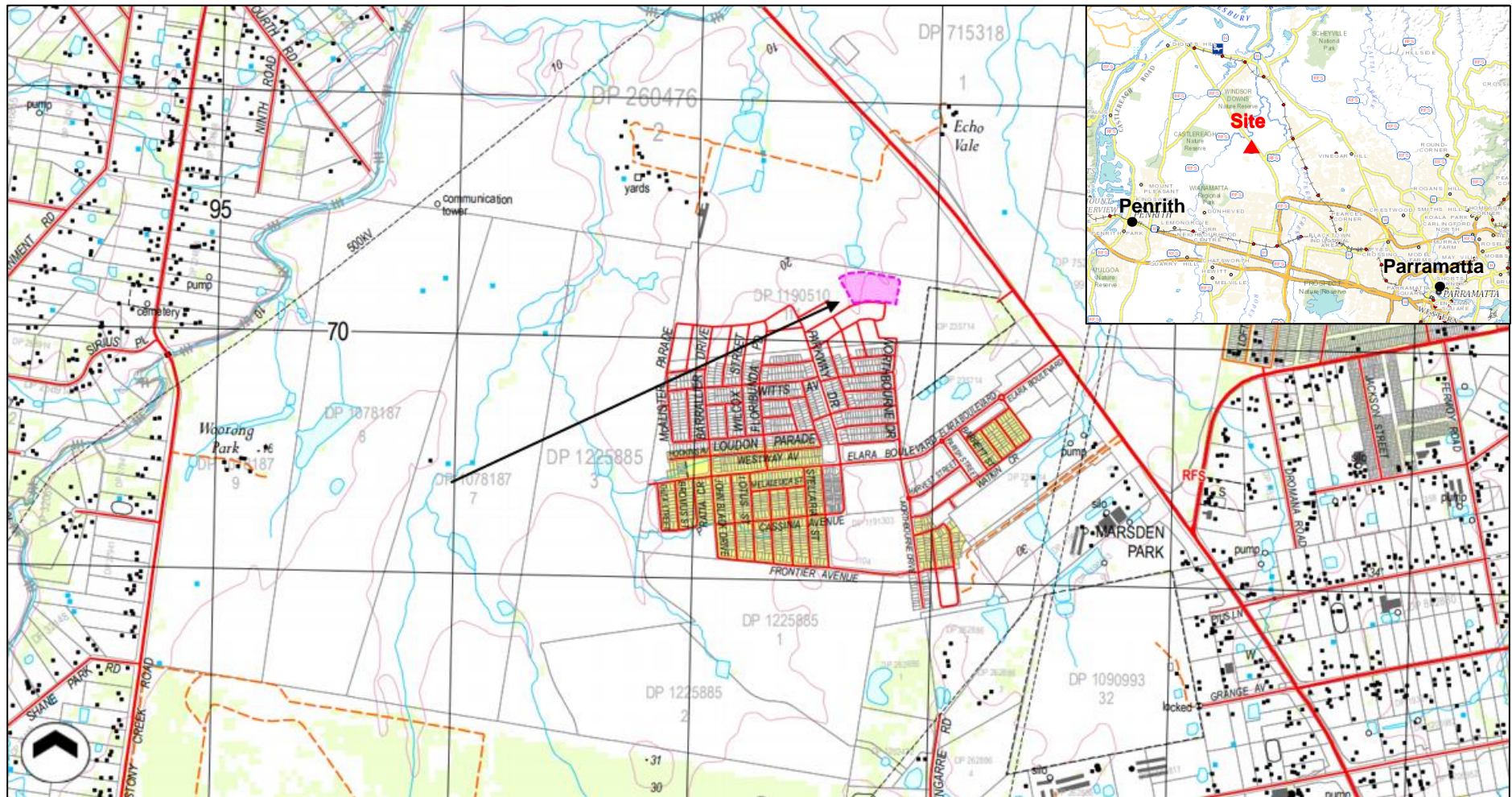


Figure 3.2 Topographic map with site location.
Study site indicated in pink with black arrow. Six Maps, LPI Online (accessed 08/01/19)

3.1 REGISTERED ABORIGINAL SITES NEAR THE STUDY SITE

AHIMS Site 45-5-2752 – C-0S-1

Registered AHIMS site # 45-5-2752 is located on the northern boundary of the study site in the located of the dam within the adjacent property. The site was recorded as part of a survey by Kelton (2001) for the proposed egg packing and detention ponds for the Clydesdale property off Richmond Road, Marsden Park. The location of the site has been subject to minor discrepancies with regards to the geographical coordinates. This marginal differentiation can occur when data is exchanged between datum systems overtime as well as GPS errors. All the information available has been utilised to construct an accurate representation of the location of the registered site (Figure 3.5)

The registered site includes an open campsite with stone artefact scatter, consisting of 3 artefacts

- A tan-brown coloured indurated mudstone flake fragment (14mmx14mmx5mm) with a feather termination;
- A red coloured silcrete flake fragment (17mmx10mmx6mm) with a feather termination;
- A tan coloured indurated mudstone flake (11mmx8mmx3mm) displaying typical conchoidal fracture characteristics including a broad platform, a bulk and feather termination.

The site was considered heavily disturbed on its discovery due to the dam construction and subsequent trampling by watering stock. The surface and shallow sub surface were subject to erosion. The site was believed to have originally included the area encompassing the dam however through its construction the surface scatter of site 45-5-2752 is all that remains of what was believed to be a larger campsite.

The significance assessment of the site indicated it was of low cultural significance, low scientific significance and low education significance due to the disturbed context and structural integrity of the site, there is no further research that can be applied.

The site remains valid within the AHIMS database as it was not subject to impact during the original investigation and proposal undertaken by Kelton (2001).

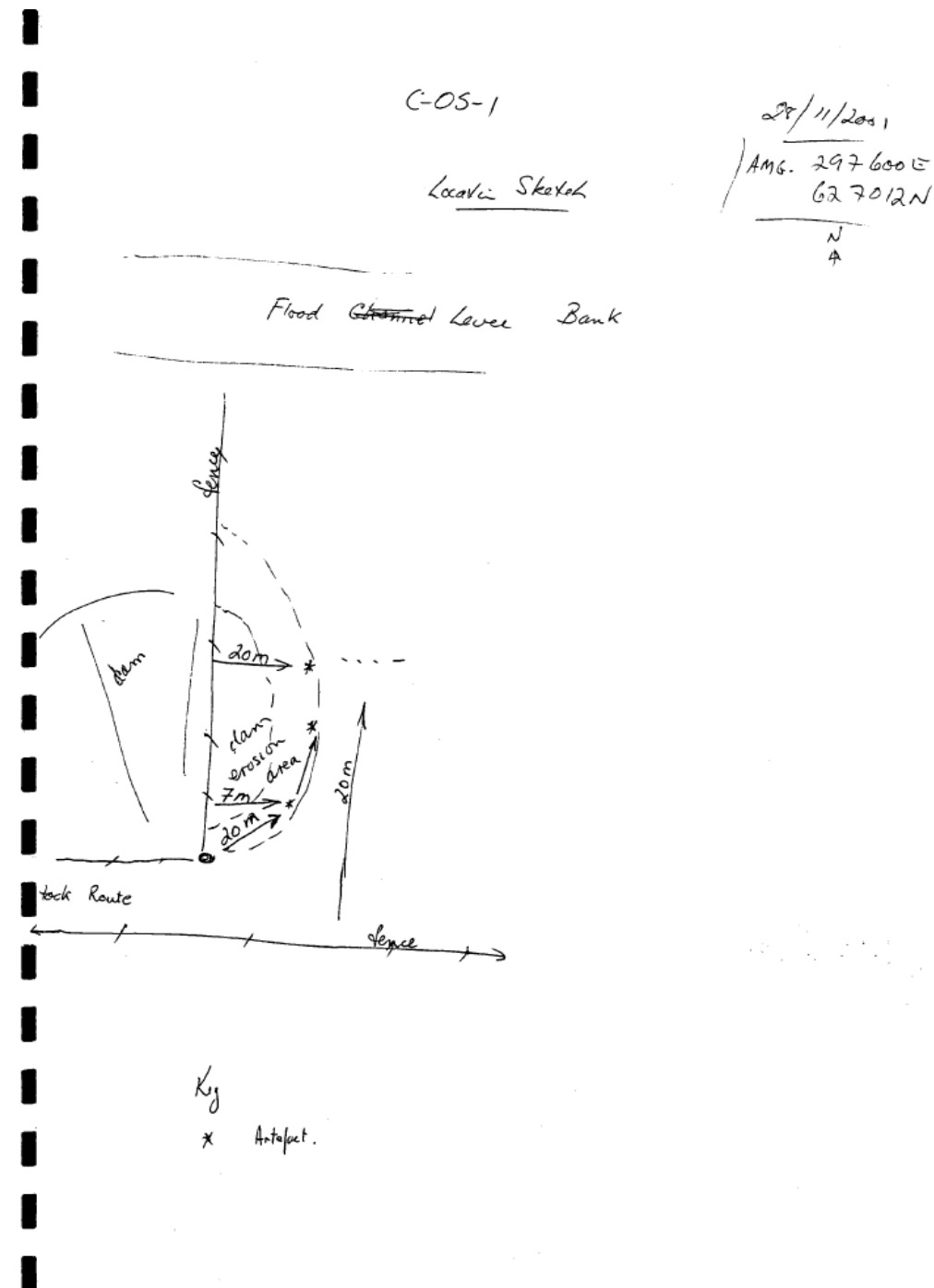


Figure 3.3 45-5-2752 Site Plan
Kelton (2001)

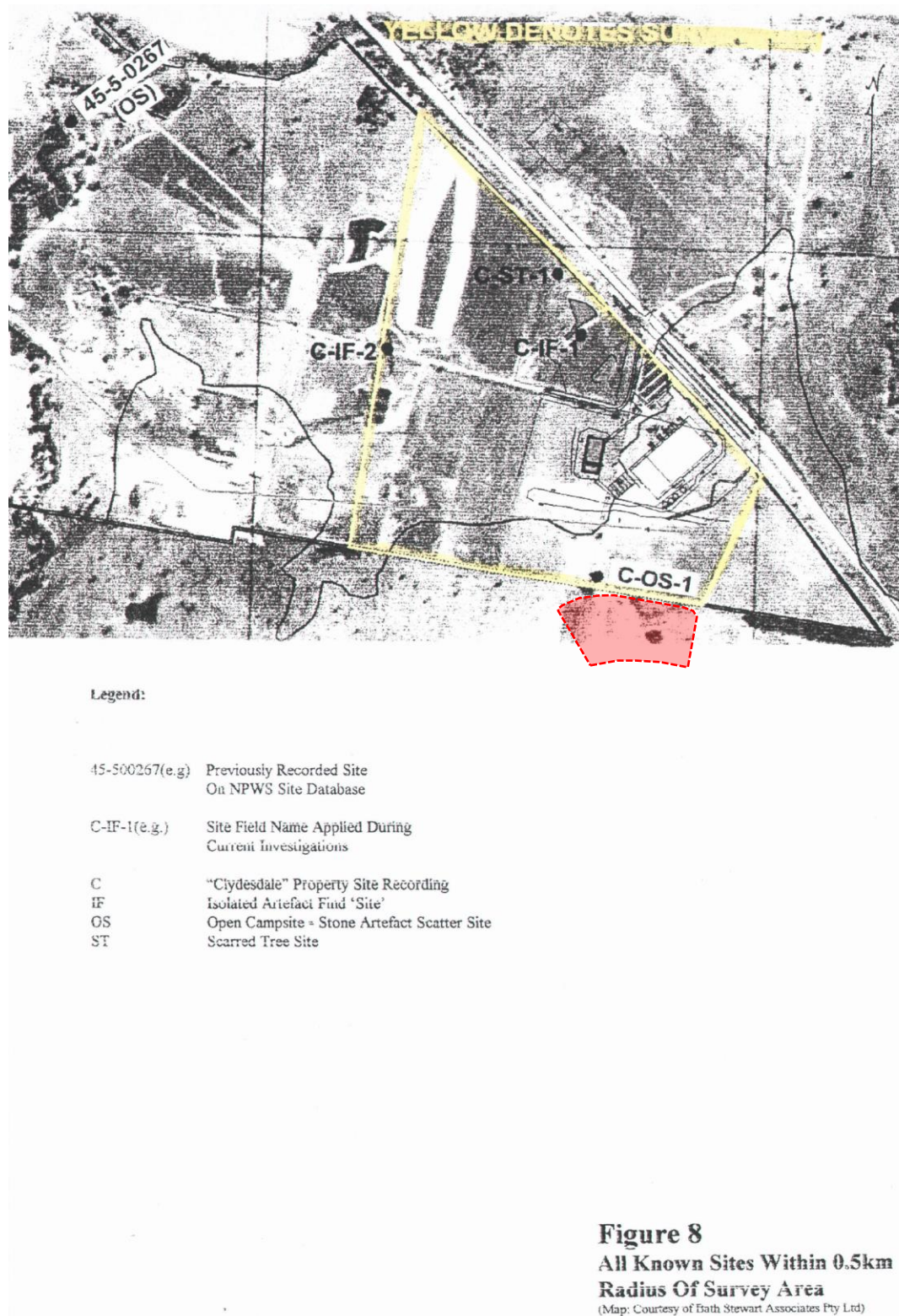


Figure 3.4 Location of registered sites as a result of the survey conducted by Kelton (2001) with current study site indicated in red.
Kelton (2001) AMAC (2019)



Figure 3.5 Study site with approximate artefact location including boundary of dam

Study site indicated in red, approximate artefact location indicated in yellow and current dam indicated in blue with dark blue identifying extent of dam. AMAC (2019)

4.0 ENVIRONMENTAL CONTEXT

To adequately understand and assess the potential Aboriginal archaeological resource that may be present within the study site it is vital to understand the environment in which the Aboriginal inhabitants of the study site 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.

4.1 TOPOGRAPHY

The study site lies between the lower terraces of the Hawkesbury/Nepean River System. It intersects a number of major tributaries including South Creek and Agnes Banks.

The study site extends over one topographic zone, that belonging to the Berkshire Park (bp) alluvial landscape which consists of mostly flat terrace tops as well as gently undulating low rises, that have been modified to include small drainage channels and lines for agricultural purposes. The area can be prone to flooding and seasonal waterlogging.

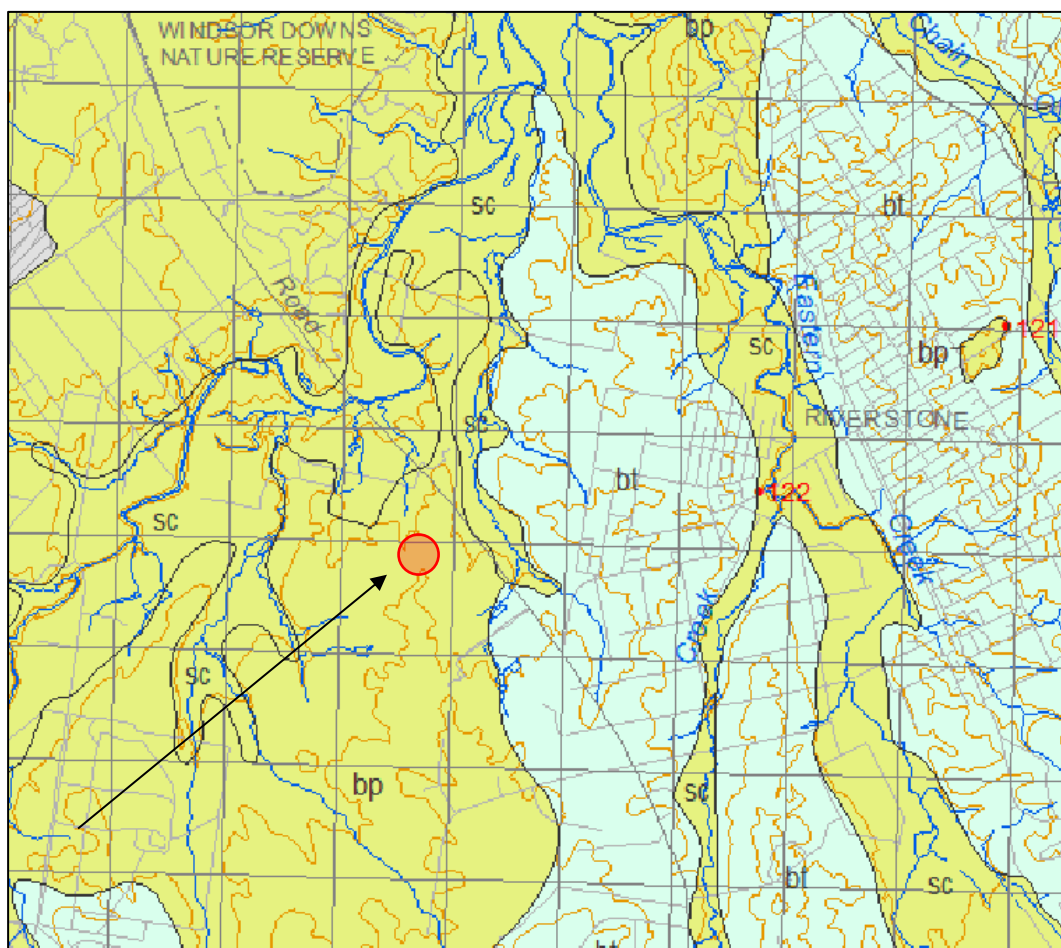


Figure 4.1 Study site on soil map
Study site in red with black arrow. Soil Landscapes of the Penrith 1:100 000 Sheet Report (Hazelton *et al*)

4.2 GEOLOGY AND SOILS

The soil landscape map for the Penrith 1:100 000 map sheet shows that the study site lies on the Berkshire Park (bp) soil landscape (Bannerman & Hazelton, 1990).

The geology of the study site consists of three depositional phases of Tertiary alluvial/ colluvial origin. This includes the following sandstone and clay formations, St Mary's overlain by the Rickabys Creek gravel formation, which varies in thickness across the region, and is then topped by the Londonderry Clay.

The Berkshire Park (bp) soil profile is made up of weakly pedal clays and clayey sands. In high wind erosion and sheet erosion is likely in cleared/ exposed areas.

N.B lower in the landscape where drainage conditions are poor there can be a thin (<20cm) layer of bp1 or bp2. On flats and drainage lines there can be up to 50cm of bp2. Most areas consist of 50cm of sandy clay (bp3) overlaying >50cm of high chroma clay (bp4) for a total depth of <450cm.

Table 4.1 Description of dominant soil material

Soil Material	Soil Horizon	Description
bp1	A1 Horizon	brownish black fine sandy loam to silt loam with apedal single grained structure and is very porous. Can also be found as bright reddish brown. Roots and charcoal do not occur.
bp2	A2 Horizon	reddish brown – yellowish brown sandy to fine sandy clay loam with a porous sandy fabric, however can be hardsetting.no inclusions.
bp3	B Horizon	brown sandy (slightly silty) clay with porous sandy fabric. It has a weak structure and may contain mottles, usually orange in colour, ironstone nodules are common.
bp4	B2 Horizon (deep subsoil)	bright coloured reddish brown to bright yellowish brown with white/ grey pipes are common as well as mottles of orange or red. This soil is light – heavy clay and can contain up to 90% stones.

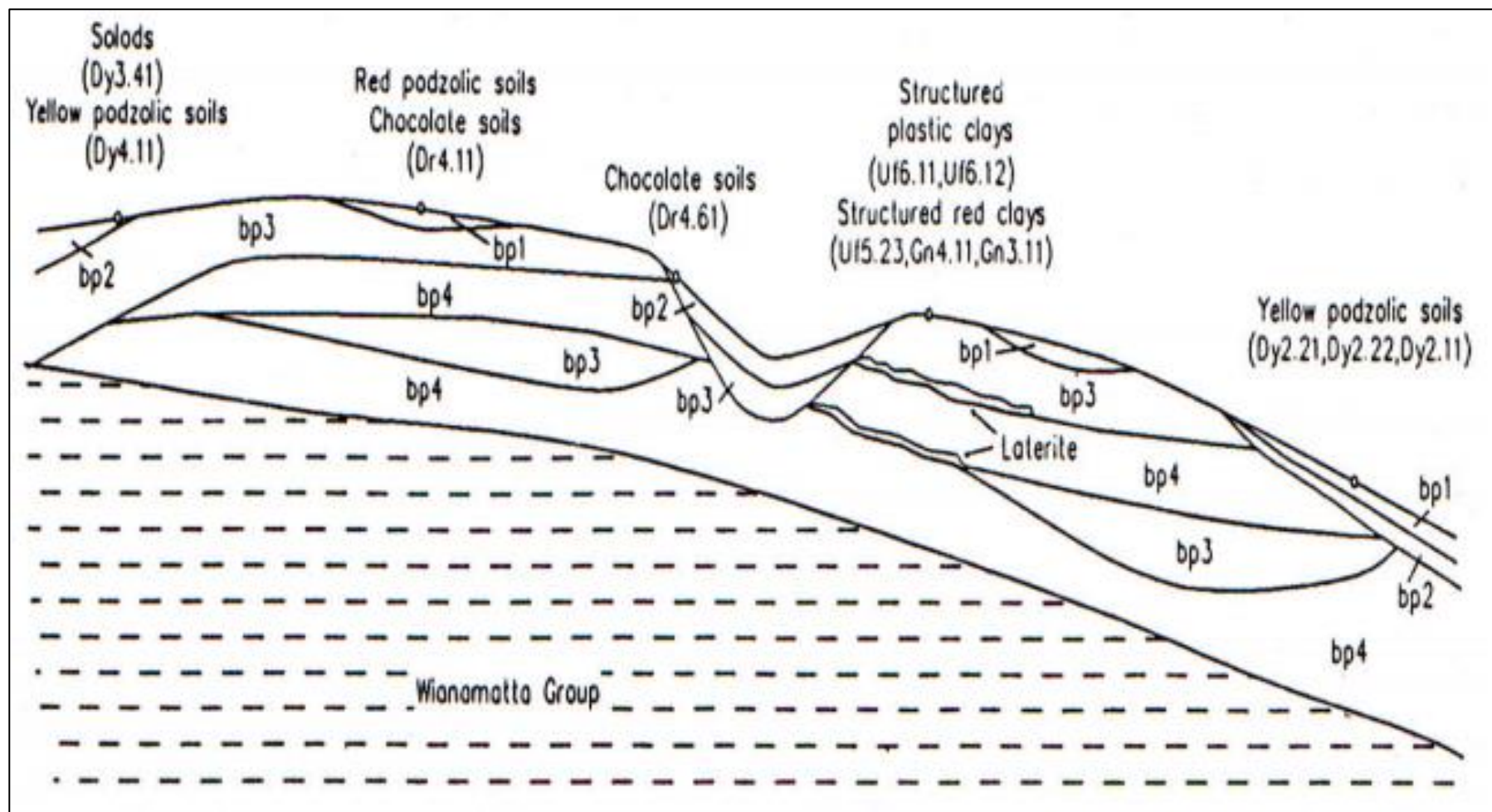


Figure 4.2 Cross Section of soil landscape illustrating relationships between landscape features and dominant soil materials.
Soil Landscapes of the Penrith 1:100 000 sheet report (Bannerman and PA Hazelton 1990)

4.3 WATERCOURSES

The study site is located south approximately 4.9km of the confluence of major water courses, South Creek and Eastern Creek. It is approximately 1.1km south of South Creek and west approximately 3.2km from Eastern Creek as well as Bells Creek approximately 2.9km to the east. There are a number of minor surrounding unknown tributaries within close proximity to the study site ranging from 153m to the north (connecting to a nearby man made dam), 568m to the east and an unknown creek 572m to the west of the study site.

Past aerals indicate a man-made dam was located to the east of the study area this has however been filled in and no longer exists.

4.4 VEGETATION

The vegetation found in the study site is no longer in a native state and is comprised of a variety of introduced and noxious types of vegetation. This movement away from the natural vegetation is a result of previous land clearing for farming, residential and urban development.

These lands were cleared soon after European settlement due to the relatively high agricultural value of the soils upon which they are situated. The native vegetation of this area probably comprised of *Eucaluptus fibrosa* (broad leaved ironbark), *Angophora bakeri* (narrow leaved apple), *E. sclerophylla* (scribbly gum), *Melaleuca decora* and *M. nodosa* (paperbarks).

The shrub understorey would have been dominated by the following families; Fabaceae, Papilionaceae, Sapindaceae, Proteaceae and Myrtaceae. (Benson, 1981)

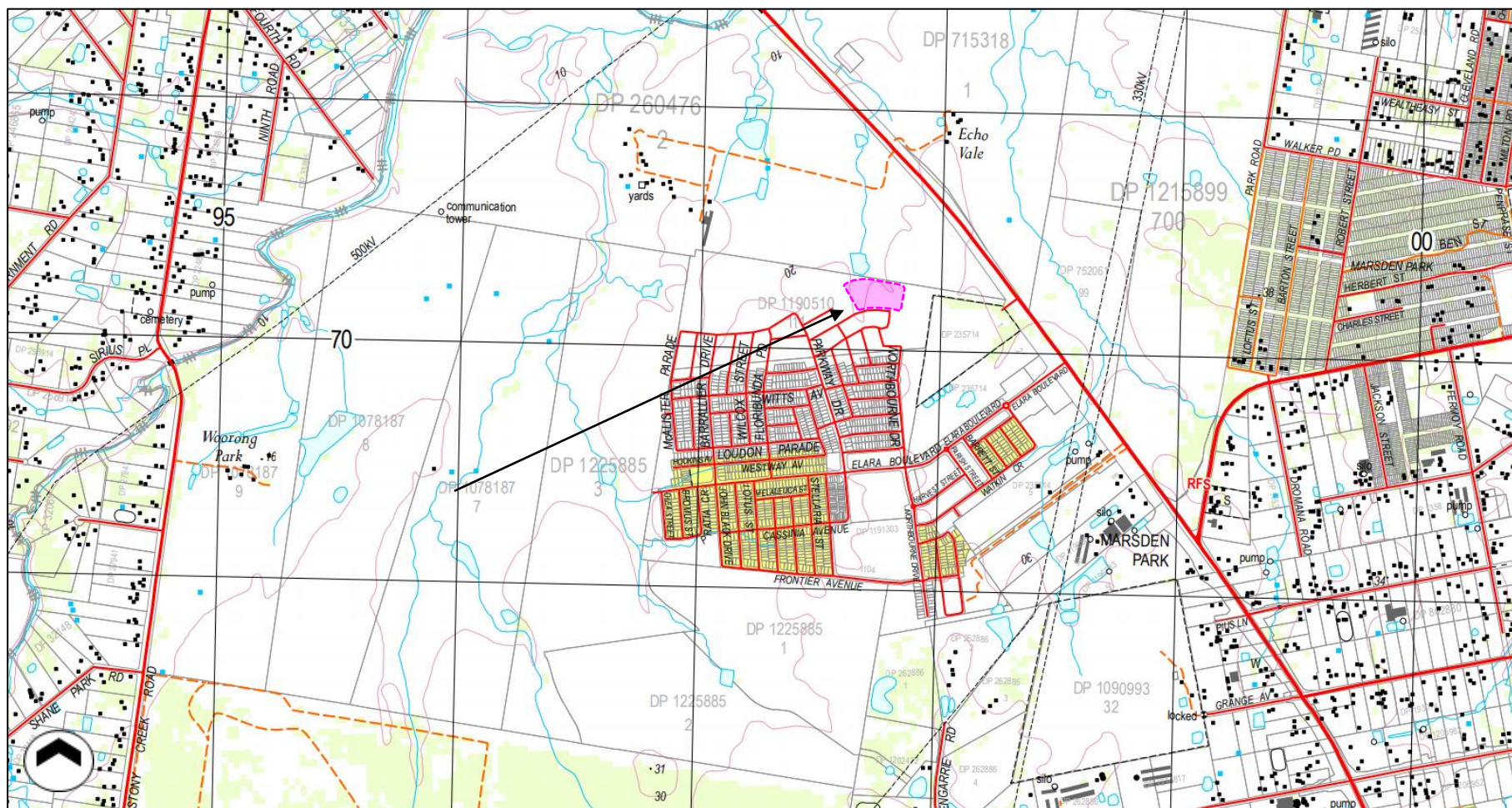


Figure 4.3 Topography Map indicating watercourses in blue
Study site indicated in pink with black arrow, Six Maps (2019)

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, ethno history and archaeological background of the study site 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 site 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 site.

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 which includes the Sydney region has left a vast amount of accumulated depositional evidence and the Cumberland Lowlands is no exception. The oldest date generally considered to be reliable for the earliest occupation around the region comes from excavations at Parramatta which contain objects or features which have been dated to 30,735 ± 407 BP (McDonald et al 2005).

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 prior occupation period. It is also the case that many archaeological sites along the past coastline may have been submerged as the seas rose approximately to their current level around 6,000 years ago. This would have had the effect of covering evidence of previous coastal occupation. In addition, it is also true that the acidic soils which are predominate around the Sydney region do not allow for longer-term survival of sites (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 Sydney Basin, the most common Aboriginal archaeological site type is occupation evidence within Rock Shelters. However, the most common Aboriginal archaeological site type in the Cumberland Lowlands is 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, with 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). Many hundreds of artefact sites have been recorded within the Cumberland Lowlands. This is despite the fact that at least 50% of the Cumberland Lowlands has already been developed to such an extent that any archaeological evidence which may have once been present has been destroyed.

5.2 THE DARUG AND GANDANGARA NATION

It is estimated that around 250 distinct languages were in use throughout the Australian 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 *Non Pama-Nyungan* languages.

Knowledge of the different language groups in a 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 were two known distinct language groups observed in the Cumberland Lowlands at the time of contact. Each one is likely to have had a number of dialects, but the observed language groups appear to have been the Darug and Gandangara. One of these language groups, the Darug, was divided into two dialects, a coastal dialect and a hinterland dialect; the later may have been spoken by the inhabitants of the Cumberland Lowlands (Attenbrow 2002).

The boundary between the territories of these two language groups and dialect groups is unclear. Attenbrow (2002) suggests that speakers of the hinterland dialect of the Darug were spread across the Cumberland Lowlands, from the Hawkesbury River in the north to Appin in the area south-west of the Georges River, Parramatta, the Lane Cove River and Berowra Creek. The Gandangara inhabited the southern rim of the Cumberland Lowlands, west of the Georges River and into the southern Blue Mountains. Kohen (1993) suggests that the boundary between the hinterland dialect speakers of the Darug language and the Gandangara was the Nepean River and the Gandangara occupied an area that "extended from the Blue Mountains at Hartley and Lithgow through the Burragong and Megalong

Valleys at least as far as the Nepean River” (Kohen 1993 p. 13) This view is concurred with by the Australian Institute of Aboriginal And Torres Strait Islander Studies (2000). There may have been a significant amount of interaction both cultural and linguistic between these two 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 on 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 (Hardy 2008).

A wide variety of activities comprised the lifestyle of the Aboriginal groups across the Cumberland Lowlands. Some behaviours leave traces which can be retrieved by archaeological study of material remains. Many of these can only 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 sources available.

5.3 PREVIOUS ARCHAEOLOGICAL STUDIES NEAR THE STUDY SITE

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 site, 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 site.

Brayshaw & McDonald (1993) – Survey – Rouse Hill Development Area

In 1993 Brayshaw McDonald Pty Ltd conducted an archaeological survey as part of the Rouse Hill Development Area along Second Ponds and Caddies Creek, Rouse Hill. As a result, six sites and five PAD’s were identified. In total 470 artefacts were discovered, 364 of which were made of Silcrete. Of the total assemblage, 186 were intact flakes, 34 were cores, 3 manuports and 7 backed blades. The rest of the assemblage were various types of broken flakes or debitage. The investigations resulted in the discovery of several sites containing high densities of artefacts as well as some with low densities. This variability in sites has been interpreted by Brayshaw McDonald Pty Ltd as representing a range of activity areas of which intact knapping floors were identified as well as heat treatment locations and generalised campsites. It was concluded that alluvial terraces (and other depositional environments) contain the best potential for intact archaeological remains. It was also noted that artefact assemblages were also discovered within disturbed context as well as below disturbed context such as agricultural ploughing and activities etc.

Baker (1998 & 2000) – Survey – Caddies Creek Valley

Baker, in 1998 and 2000, conducted field surveys and test excavations within the Caddies Creek valley on the eastern side of Windsor Road. The excavation of 211m² resulted in

the recovery of 994 artefacts from test pits. Three open area excavations were also conducted resulting in the recovery of 4,510 artefacts.

Australian Museum Business Services (1998) – Survey – Windsor Rd, Rouse Hill

Australian Museum Business Services (1998) surveyed an area land on Windsor Road, Rouse Hill in association with a proposed Mungerie Park Town Centre development. This survey located one new indigenous archaeological feature an open artefact scatter. The feature was recorded as MP-OS-3 and consisted of four red silcrete flaked pieces. The conclusion of the survey was that the study site on Windsor Road was of high archaeological potential and as such developments which would impact on the potential archaeological deposits should be avoided.

Mary Dallas Consulting (2000) – Survey – Withers & Mungerie Rds, Kellyville

Dallas (2000) surveyed an area of land at the intersection Withers and Mungerie Roads, Kellyville in association with an undefined development. This survey located no new Indigenous archaeological features and recommended no further archaeological work.

Kelton (2001) – Archaeological Study – Clydesdale Property (Marsden Park)

Kelton (2001) conducted an archaeological study including site survey of the proposed egg packing and detention ponds at the Clydesdale property off Richmond Road, Marsden Park. This survey resulted in the registration of 4 Aboriginal sites consisting off 2 isolated finds, a scarred tree and an open scatter. The study site was found to be heavily disturbed as a result of past agricultural activity and erosion. The study site was considered to have low- moderate Aboriginal archaeological sensitivity. In conclusion the proposed development would not impact the registered sites and therefore no further archaeological work was recommended however consultation with the Aboriginal community was to continue.

Therin (2001) – Survey – Tebutts Poultry Farm

In 2001 Therin conducted a field survey at Tebutts Poultry Farm, Schofields Road within the Second Ponds Creek valley. The survey focused on landforms such as ridge crests and hillslopes within the area. The survey resulted in three artefact scatters being identified as well as two isolated artefacts (Therin 2001). In conclusion the density of artefacts directly correlates with the landforms located in the area and their proximity to permanent water sources.

Mary Dallas Consulting (2001) – Test Excavation – Muir's Land, Kellyville

Dallas et al (2001) carried out test excavations in association with a proposed residential subdivision on Muir's Land, Kellyville. This excavation yielded total of 664 artefacts from test pits running along three transects. It must be stressed that only 46 were suitable for analysis which may suggest a great deal of debitage or misidentification of artefacts. This correlated into assemblages of a low to medium artefact density with insufficient variation in artefact depth to allow for inferences regarding temporal change to be drawn. The recommendations of this excavation were that monitoring of the removal of topsoil by indigenous stakeholder groups be carried out and a section 90 permit be sought from DECC for the destruction of existing archaeological features.

Therin (2002) – Survey – Windsor Rd, Kellyville

Therin (2002) surveyed an area 1.2 km length of land along the line of Windsor Road, Kellyville in association with a proposed upgrade of Windsor Road. This survey located one new indigenous archaeological feature an isolated artefact. The feature was recorded as W1 and consisted of one red silcrete flaked piece. Two previously recorded open artefact scatters are located within the study site on Windsor Road however no evidence

of the continued presence of these sites was located during the Therin assessment. The conclusion of the survey was that the study site on Windsor Road was of high archaeological significance and as such recommended a monitoring of the removal of topsoil by indigenous stakeholders and a section 90 permit be sought from DECC for the destruction of existing archaeological features.

McDonald (2002) – Survey – Rouse Hill Infrastructure Project

Jo McDonald Cultural Heritage Management conducted a survey in Development Areas 2, 5, 20, 22 and 24B as part of the Rouse Hill Infrastructure Project. Area 20 included land along Second Ponds Creek near the study site. A Potential Archaeological Deposit (PAD) was identified (AHIMS No. 45-5-2807) immediately north east of the study site and consisted of seven artefacts on a sheet wash erosion along the creek line. A total of twenty-two archaeological sites and eight PADs were identified within Area 20. These sites were predominantly located along Second Ponds Creek and within the riparian zone (McDonald 2002).

McDonald (2002) – Salvage Excavation – Balfour Dr, Kellyville

McDonald (2002c) carried out salvage excavations of potential archaeological deposits in association with residential developments on Balfour Drive, Kellyville on the western bank of Small's Creek. This excavation yielded total of 1099 artefacts which correlated into a low to medium artefact density with sufficient enough size to allow for inferences regarding temporal change to be drawn. The upper (younger) levels of the excavated assemblage were dominated by silcrete artefacts whereas the lower (older) levels were dominated by tuff. This shift in raw material usage has been associated with the shift from the Capertian phase of artefact production to the Bondaian phase of the Eastern Regional Sequence. The most important conclusion drawn from McDonald's excavation was that the early Holocene deposits such as those represent by the Balfour Drive assemblage would not be apparent during a surface survey even if conducted with a high level of visibility.

Brayshaw (2003) – Survey – Conrad Rd, Kellyville

Brayshaw (2003) surveyed an area of 2 hectares of land on Conrad Road, Kellyville in association with a residential subdivision development. This survey located one new indigenous archaeological feature with a total of six artefacts. The feature was recorded as RH/CR1 and was an open scatter that consisted of six artefacts, one yellow tuff flake, two yellow tuff fragments, one red silcrete broken flake, one red silcrete fragment and one pink silcrete fragment. The conclusion of the survey was that the study site on Conrad Road was of low archaeological significance and as such recommended a section 90 permit be sought from DECC for the destruction of existing archaeological features.

AHMS (2003) – Survey – Green Rd, Samantha Riley Dr and Glenhaven Rd, Kellyville

Archaeological Heritage Management Solutions (2003) surveyed an area of partially disturbed land at the intersection of Green Road, Samantha Riley Drive and Glenhaven Road, Kellyville in association with the construction of a proposed stormwater detention basin and roundabout. This survey located no new indigenous archaeological features however due to the location and predictive models the monitoring of earthworks by indigenous stakeholders was recommended.

Therin (2004) – Test Excavation – Mile End Road

Therin (2004) conducted test excavations at four locations between Mile End Road and Level Crossing Road as a result of the proposed Windsor Road Upgrade. Excavations took place along minor drainage lines and major creek lines as well as hillslopes. As a result of these excavations a total of 1,840 artefacts were recovered.

McDonald (2005) – Test Excavation – Area 20 Precinct

In 2005 Jo McDonald conducted test and salvage excavations both south and northeast of Area 20 precinct for the Windsor Road Upgrade. This consisted of the excavation of eight sites of 230 test pits of which 40,909 artefacts were recovered – 7,922 were surface collections. The excavations were conducted along various landforms located along the Second Ponds Creek valley, specifically along ridge tops and creek flats and slopes. It can therefore be summarised that majority of the artefacts were recovered from subsurface deposits within the location of Second Ponds Creek (McDonald 2005).

McDonald (2005) – Survey – Fyfe Rd, Kellyville

McDonald (2005) surveyed an area of 2 hectares of land on Fyfe Road, Kellyville in association with a residential subdivision development. This survey located one new indigenous archaeological feature with a total of eight artefacts. The feature was recorded as RH/FR1 and was an open scatter that consisted of eight artefacts, 1 red silcrete focalised platform, 1 yellow silcrete fragment, one red silcrete core, one pink silcrete fragment and three red silcrete fragments. The conclusion of the survey was that the study site on Fyfe Road was of moderate to low archaeological potential and as such recommended a section 90 permit be sought from DECC for the destruction of existing archaeological features.

Austral Archaeology (2005) – Test Excavation – Old Windsor Rd, Kellyville

Austral Archaeology (2005) carried out test excavations of three potential archaeological deposits (PAD's) in association with the upgrade of Old Windsor Road, Kellyville. This excavation yielded total of 66 artefacts from the three PAD's numbering 51 artefacts, 15 artefacts and 0 artefacts respectively. This correlated into assemblages with high (51) and low (15) artefact density both with insufficient size to allow for inferences regarding temporal change to be drawn. The recommendations of these test excavations was that one of the PAD's should be subject to a section 90 permit as it yielded only 15 artefacts and was not of high archaeological significance. The second PAD was recommended to be subject to further excavation as it was of a high enough artefact density to be a deviation from the norm of the Cumberland Plain and therefore warranted further investigation. The final PAD was not assessed as it did not contain any artefacts.

Total Earth Care (2007) – Survey – Oppy Reserve, Schofields

Total Earth Care (2007) surveyed an area of land at Oppy Reserve, Schofields in association with a landscaping and drainage works. This survey located one new indigenous archaeological feature and relocated two previously recorded archaeological features all of which were open artefact scatters. The conclusion of the survey was that the study site was of moderate to low archaeological potential and as such recommended a section 90 permit be sought from DECC for any impact on the existing archaeological features.

McDonald (2007) – Test & Salvage Excavation – Caddies Creek

Further investigations surrounding Caddies Creek were conducted by Jo McDonald in 2007. Both salvage and test excavations were conducted at three previously recorded sites RH/CD 5, RH/CD10 and RH/CD. Excavations removed 7.545m² and found 18,263 artefacts. The highest density of artefacts recovered were from the excavations of site RH/Cd 5 located on a lower slope landform within 200m from Caddies Creek.

AHMS (2007) – Survey – 79 Alex Ave, Schofields

In 2007 AHMS conducted an Aboriginal archaeological investigation at 79 Alex Avenue, Schofields. As a result of this investigation was the discovery of an isolated find. This site was found to be over 1km from Eastern Creek a permanent water source.

Cultural Heritage Connections (2008) – Monitoring/ Testing– Electricity Upgrade Vineyard to Rouse Hill

Cultural Heritage Connections (CHC) conducted an Aboriginal archaeological survey and excavation as part of an Electricity upgrade for Integral Energy. The site location consisted of 8.5 kilometres of land running from Vineyard, through Riverstone and to Rouse Hill. The survey was conducted within a 30 metre radius around each proposed pole site, with a total of 45 sites investigated. As a result, two Aboriginal archaeological sites were recorded including one open camp and one isolated find. The test excavation consisted of 37 trenches being excavated along the easement, resulting in the recovery of the 130 stone artefacts. The artefacts were primarily silcrete with fairly low-density assemblages. Remnant A horizon soils were found in 33 of the test trenches.

McDonald (2008) – Survey – Mungerie Withers Rd, Kellyville

McDonald (2008) surveyed an area of 16.2 hectares of land at the corner of Mungerie and Withers Roads, Kellyville in association with a residential subdivision development for Baulkham Hills Shire Council. This survey located two new indigenous archaeological features and one previously recorded feature with a total of ten artefacts. Recorded as MW01, the largest of the three features located in this survey was an open scatter that consisted of seven artefacts, two silcrete flakes, one tuff flake and four silcrete flaked pieces. Recorded as MW02, the second new feature was an open scatter and this consisted of two artefacts, one tuff flake and one silcrete flaked piece. The relocation of MP-OS-3 yielded only one artefact, a silcrete core while the initial investigation (AMBS 1998) showed four silcrete artefacts. This survey found an artefact density of one per 1.62 ha.

The conclusion of the survey was that the study site at the corner of Mungerie and Withers Roads was of medium to high archaeological potential and as such recommended a variety of actions due to the varying nature of zones of the study site. Recommendations ranging from conservation for zones of high potential to monitoring of earthworks by indigenous stakeholders and the issue of section 90 permit from DECC for the destruction of existing archaeological features were made.

McDonald (2008) – Survey – Windsor Rd, Kellyville

McDonald (2008) surveyed an area of 9.2 hectares of land on the southern side of Windsor Road, Kellyville in association with a residential subdivision development for Rose Atkins Conics. This survey located no new indigenous archaeological artefacts and one potential archaeological deposit. A recommendation was made for the issue of section 90 permit from DECC for the destruction of potential archaeological deposit.

Kelleher Nightingale Consulting (2009) – Survey – Cudgegong Rd & Schofields Rd, Rouse Hill

In 2009 Kelleher Nightingale Consulting Pty Ltd conducted a survey near the junction of Cudgegong Road and Schofields Road, Rouse Hill. As a result of this investigation was the discovery of one artefact scatter containing seven silcrete artefacts. This site was revisited by GML in 2012 who only found three silcrete artefacts present. One potential archaeological deposit (PAD) was also identified during KNC's 2009 survey. It was located within close range to Second Ponds Creek. The surrounding area had been identified as original Cumberland Plain Woodland, indicating that the area was likely to contain intact subsoils and therefore salvage excavation was recommended (KNC 2009).

Kelleher Nightingale Consulting (2010) – Survey – Area 20 Precinct

Kelleher Nightingale Consulting Pty Ltd conducted a survey within the Area 20 precinct in 2010 to reassess the significance of previously identified sites. Within the 245 hectares of

land (including the study area) an artefact scatter 40m x 2m was identified and contained five silcrete artefacts adjacent to Second Ponds Creek. In conclusion higher densities of artefacts are likely to occur within the margins of Second Ponds Creek including that of the north eastern part of the current study area. It is likely that there will be artefacts within the subsurface deposits (Kelleher Nightingale Consulting 2010).

Streat Archaeological Services (2011) – Survey – 9 Balmoral Rd, Kellyville

Streat (2011) surveyed an area of land at 9 Balmoral Road, Kellyville in association with a residential subdivision development. This survey located no new indigenous archaeological deposits or objects. The conclusion of the survey was that the study area was of low to nil archaeological potential and as such recommended no further archaeological work, however, DLALC requested a representative be present to monitor the disturbance of topsoil that took place in accordance with 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, p. 1, Streat 2010).

Mary Dallas Consulting (2011) – Survey – 45 Arnold Ave, Kellyville

Dallas (2011) surveyed an area of land at the intersection 45 Arnold Ave, Kellyville in association with a residential subdivision. This survey located one new indigenous archaeological feature, an isolated artefact named Arnold Ave IF1. It was recommended that this artefact be collected under an AHIP and a care and control agreement be development to offer storage and conservation measures.

Mary Dallas Consulting (2011) – Survey – 28 Fairway Dr, Kellyville

Dallas (2011) surveyed an area of land at the intersection 28 Fairway Drive, Kellyville in association with a residential subdivision. This survey located one new indigenous archaeological feature, an isolated artefact named Fairway Drive IF1. It was recommended that this artefact be collected under an AHIP and a care and control agreement be development to offer storage and conservation measures.

GML (2011) – Survey – Schofields Road, Rouse Hill

In 2011 Godden Mackay Logan (GML) conducted a survey along Schofields Road, Rouse Hill. The investigation resulted in the discovery of an artefact scatter along one of the minor ridges overlooking First Ponds Creek. The scatter consisted of two silcrete artefacts. There was the identification of a PAD towards Second Ponds Creek. A section of this PAD was excavated by KNC in 2012 who found three artefacts.

Streat Archaeological Services (2012) – Survey – 28 Balmoral Rd, Kellyville

Besant and Streat (2008) surveyed an area of 1.60 hectares of land at 28 Balmoral Road, Kellyville in association with a residential subdivision development. This survey located no new indigenous archaeological deposits or objects. The conclusion of the survey was that the study area on Balmoral Road was of moderate to low archaeological potential and as such recommended a section 87 permit be sought from DECC in association with a monitoring brief for any earthworks that took place (Streat 2012).

Kelleher Nightingale Consulting (2012) – Aboriginal Cultural Heritage Assessment – Marsden Park Precinct

A site survey was conducted by Kelleher Nightingale Consulting as part of an Aboriginal Cultural Heritage Assessment for the Marsden Park Precinct which incorporates the study area subject to this report. The survey resulted in the identification of 67 Aboriginal sites in the precinct of which 24 were newly recorded Aboriginal archaeological sites. The document provided the following mitigation of the precinct based on the proposed layout of which 32 of the registered sites would be conserved and 35 of the sites impacted by

future development. Of those to be impacted upon by future development an AHIP permit was recommended to be in place prior to these works taking place.

GML (2012) – Cultural Heritage Assessment – North West Rail Link Project

In 2012 Godden Mackay Logan (GML) conducted an Aboriginal heritage assessment for the North West Rail Link Project (NWRL). This assessment identified 27 Aboriginal archaeological sites and PADs which would be impacted as a result of the NWRL. Of these sites, 24 are located within the West Zone. 17 of these sites were Aboriginal archaeological sites and the other seven were Potential Archaeological Deposits (PADs). All of the sites were found to be within close proximity to First Ponds Creek and/or Second Ponds Creek and with only some sites and deposits being located within moderately disturbed areas, as a result of agricultural land clearing. Majority of the PADs were located within the Cumberland Plain Woodland and were indicative of having intact subsoils.

Streat Archaeological Services (2013) – Survey – Memorial Ave, Kellyville

Streat (2013) surveyed an area of land on 33 Memorial Ave, Kellyville in association with a residential subdivision development. This survey located no new indigenous archaeological deposits or objects. The conclusion of the survey was that the study area on Memorial Ave was of low to nil archaeological potential and as such recommended no further archaeological work however DLALC requested a representative be present to monitor disturbance of topsoil that took place in accordance with 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, p. 1), (Streat 2013).

Ecological Australia (2016)- Cultural Heritage Assessment – Marsden Park, Riverstone & Vineyard

Ecological (2016) conducted a series of surveys along the proposed route of the new 132V power line and waste water infrastructure between Marsden Park, Riverstone and Vineyard inspecting known and unknown registered Aboriginal sites. A total of 14 sites were located within 100m of the proposed route with over 90% of these sites being artefacts. These sites were located on known landforms of potential including rises, crests as well as in open paddocks. The level of disturbance ranges from vegetative removal, land clearance, eroded soils near mad man dams, as well as completely disturbed contexts. As a result, this report was compiled in support of an Aboriginal Heritage Impact Permit for site 45-5-4444.

The practical ramifications of the results of the aforementioned archaeological assessments and excavations, are that artefacts are present within disturbed contexts in which there is a low to moderate potential for Aboriginal archaeological objects to be present within the study site.

5.4 PREVIOUSLY ARCHAEOLOGICAL STUDIES WITHIN THE STUDY SITE

The following studies were undertaken within the study site.

Kelleher Nightingale Consulting (2012) – Aboriginal Cultural Heritage Assessment – Marsden Park Precinct

A site survey was conducted by Kelleher Nightingale Consulting as part of an Aboriginal Cultural Heritage Assessment for the Marsden Park Precinct which incorporates the study site subject to this report. The survey resulted in the identification of 67 Aboriginal sites in the precinct of which 24 were newly recorded Aboriginal archaeological sites. The document provided the following mitigation of the precinct based on the proposed layout of which 32 of the registered sites would be conserved and 35 of the sites impacted by

future development. Of those to be impacted upon by future development an AHIP permit was recommend to be in place prior to these works taking place.

GML Heritage (2013) – Test Excavation – Marsden Park Precinct, Marsden Park

GML Heritage conducted a programme of test excavation within the Marsden Park Precinct. This involved the excavation of 134 test pits between 10 transects located within landscape features associated with past Aboriginal activity. Test excavation resulted in a total of 15 artefacts and two possible artefacts being located. Three areas of Potential Archaeological Deposits (PADS) were located as part of the initial investigation of which, PAD 1 was found to contain the eastern side of the study site subject of this report. Test unit 1 -3 located on Transect 1 were positioned within the study site. No artefacts were located within these testing units and soils were found to be stripped and disturbed. This testing programme along with an Aboriginal Cultural Heritage Assessment formed the current AHIP #C0000307 permit that is valid for the study site.

5.5 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 site should be relocated.

An AHIMS extensive 1km search was conducted on the 9th January 2019 (ID391206). This search resulted in 75 registered sites within 1000 m of the study site. 37 of the listed sites have been destroyed and 1 partially destroyed. 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
45-5-0267	Clydesdale EKC 31	Valid	Artefact, Modified Tree (Carved or Scarred)
45-5-0576	Blacktown Northwest 5 Riverstone Meatworks	Valid	Artefact
45-5-0578	Blacktown Northwest 7; Riverstone Meatworks;	Valid	Artefact
45-5-0583	Marsden Park Echo Vale No 1 Riverstone Meatworks	Valid	Artefact
45-5-0584	Marsden Park Echo Vale No 2 Riverstone Meatworks	Partially Destroyed	Artefact
45-5-2735	WD9	Valid	Artefact
45-5-2750	C-IF-1/Clydesdale	Valid	Artefact
45-5-2751	C-IF-2	Valid	Artefact
45-5-2752	C-OS-1/Clydesdale	Valid	Artefact

Site ID	Site name	Site status	Site features
45-5-2753	C-ST-1	Valid	Modified Tree Carved or Scarred
45-5-4159	MPP-02	Destroyed	Artefact
45-5-4161	WP 1 (Woorong Park)	Destroyed	Artefact
45-5-4162	WP 2 (Woorong Park)	Destroyed	Artefact
45-5-4163	WP 3 (Woorong Park)	Destroyed	Artefact
45-5-4164	WP6	Destroyed	Artefact
45-5-4165	WP 4 (Woorong Park)	Destroyed	Artefact
45-5-4166	WP5	Destroyed	Artefact
45-5-4167	MPP-04	Destroyed	Artefact
45-5-4168	MPP-05	Destroyed	Artefact
45-5-4169	MPP-06	Destroyed	Artefact
45-5-4181	MPP-18	Valid	Artefact
45-5-4349	MPE04-1	Destroyed	Artefact
45-5-4350	MPS 1 -1	Destroyed	Artefact
45-5-4351	MPE02-1	Destroyed	Artefact
45-5-4352	MPE03-1	Destroyed	Artefact
45-5-4353	MPE1-1	Destroyed	Artefact
45-5-4344	MPE04	Destroyed	Artefact
45-5-4345	MPS 1	Destroyed	Artefact
45-5-4346	MPE02	Destroyed	Artefact
45-5-4347	MPE03	Destroyed	Artefact
45-5-4348	MPE 1	Destroyed	Artefact
45-5-4522	NMP PAD 1	Valid	PAD
45-5-4588	Woorong 1	Destroyed	Artefact
45-5-4589	Woorong 2	Destroyed	Artefact
45-5-4590	Woorong 4	Destroyed	Artefact
45-5-4591	Woorong 3	Destroyed	Artefact
45-5-4592	Woorong 5	Destroyed	Artefact
45-5-4593	Woorong 6	Destroyed	Artefact
45-5-4705	Little Creek Alluvial Landscape	Destroyed	PAD
45-5-4697	Woorong Park Isolated Artefact 6	Destroyed	Artefact
45-5-4699	Woorong Park Artefact Scatter 2	Destroyed	Artefact
45-5-4701	Woorong Park Isolated Artefact 2	Destroyed	Artefact
45-5-4637	WOORONG 7	Destroyed	Artefact
45-5-4638	WOORONG 8	Destroyed	Artefact
45-5-4639	WOORONG 9	Destroyed	Artefact
45-5-4640	WP7	Destroyed	Artefact
41-5-0013	WP8	Destroyed	Artefact
45-5-4641	WP9	Destroyed	Artefact
45-5-4642	WP10	Destroyed	Artefact
45-5-4949	Elara Keeping Place	Valid	Artefact

Site ID	Site name	Site status	Site features
45-5-4970	MPIA8	Valid	Artefact
45-5-4971	MPIA13	Valid	Artefact
45-5-4972	MPIA17	Valid	Artefact
45-5-4974	MPIA1	Valid	Artefact
45-5-4975	MPIA2	Valid	Artefact
45-5-4976	MPIA3	Valid	Artefact
45-5-4977	MPIA4	Valid	Artefact
45-5-4978	MPIA5	Valid	Artefact
45-5-4979	MPIA6	Valid	Artefact
45-5-4980	MPIA7	Valid	Artefact
45-5-4981	MPIA16	Valid	Artefact
45-5-4982	MPIA14	Valid	Artefact
45-5-4986	MPIA9	Valid	Artefact
45-5-4987	MPIA10	Valid	Artefact
45-5-4988	MPIA11	Valid	Artefact
45-5-4989	MPIA12	Valid	Artefact
45-5-4990	MPIA15	Valid	Artefact
45-5-4994	MPAS4	Valid	Artefact
45-5-4995	MPAS3	Valid	Artefact
45-5-4996	MPAS2	Valid	Artefact
45-5-4997	MPAS1	Valid	Artefact
45-5-5003	MPAS6	Valid	Artefact
45-5-5004	MPAS5	Valid	Artefact
45-5-5006	MPAS8	Valid	Artefact
45-5-5007	MPAS7	Valid	Artefact

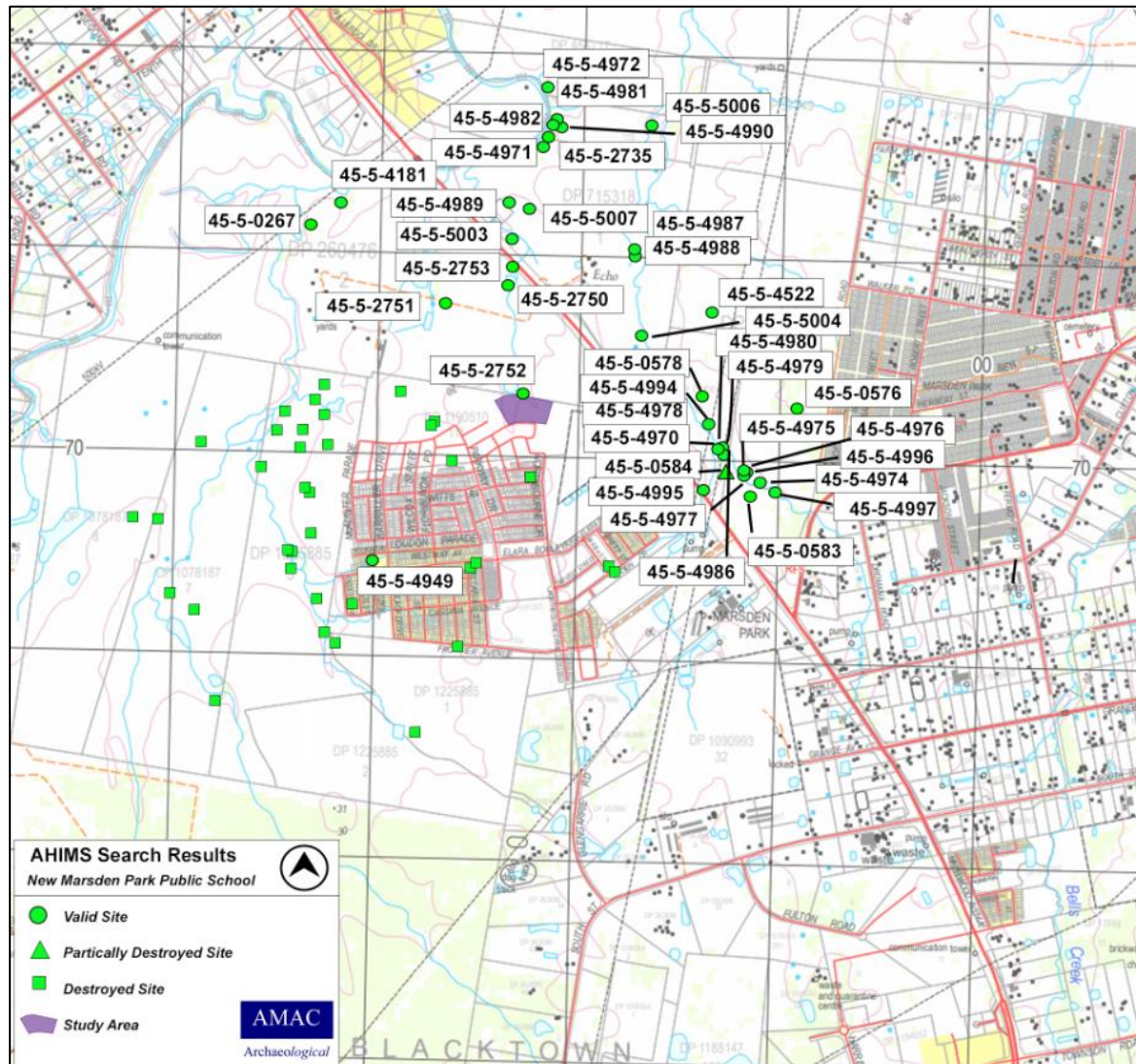


Figure 5.1 AHIMS Search Results
OEH (2018) Memory Map (2012) Topographic Map 1:25000 South East

5.6 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	N/a
Register of Declared Aboriginal Places	N/a
National Native Title Register	N/a
Local DCP – Marsden Park Precinct DCP, Aboriginal Cultural Heritage map (Figure 5.2)	low archaeological significance – Due Diligence Aboriginal Archaeological Assessment required



5.7 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).

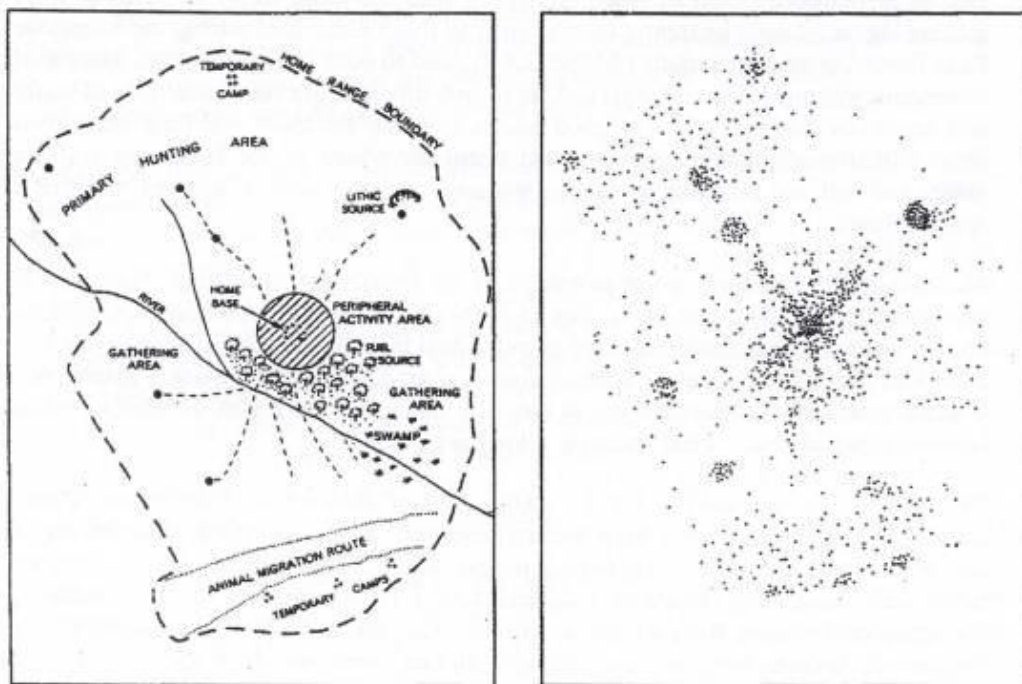


Figure 5.3 Examples of forager settlement patterns
Foley (1981)

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 (4th) order streams, within 50m (2nd) order streams and that artefact distributions around (1st) order streams was not significantly affected by distance from the watercourse. Landscapes associated with higher order streams (2nd) order streams were found to have higher artefact densities and more continuous distribution than lower order streams.

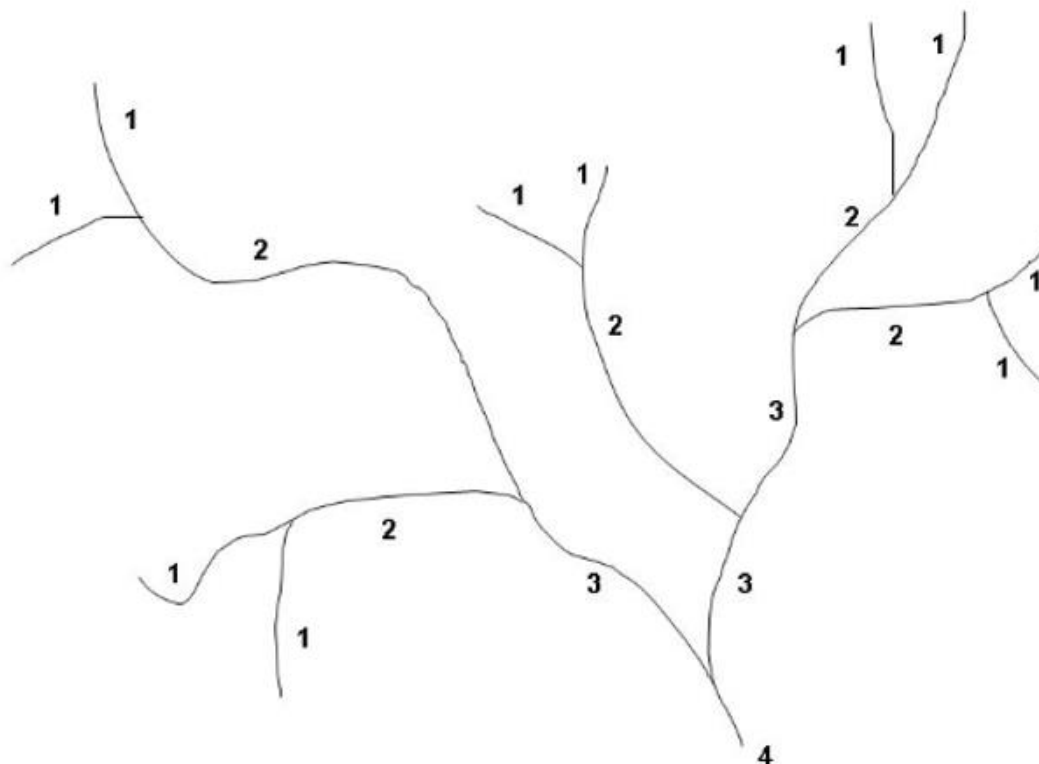


Figure 5.4 **Strahler's hierarchy of tributaries**
Strahler (1957)

Table 5.2 Relationship between landscape unit and site distribution for region

Landscape Unit /Site types	Site Distribution and activity
1st order stream	Archaeological evidence will be sparse and reflect little more than a background scatter
Middle reaches of 2nd Order Stream	Archaeological evidence will be sparse but focus activity (one off camp locations, single episodes and knapping floor)
Upper reaches of 2nd order stream	Archaeological evidence will have a relatively sparse distribution and density. These sites contain evidence of localised one-off behaviour.
Lower reaches of 3rd order stream	Archaeological evidence for frequent occupation. This will include repeated occupation by small groups, knapping floors (used and unused material) and evidence of concentrated activities.
Major creeklines 4th order streams	Archaeological evidence for more permanent or repeated occupation. Sites will be complex and may be stratified with a high distribution and density.
Creek junctions	This landscape may provide foci for site activity, the size of the confluence in terms of stream rankings could be expected to influence the size of the site, with the expectation of there being higher artefact distribution and density.
Ridge top locations between drainage lines	Ridge Tops will usually contain limited archaeological evidence, although isolated knapping floors or other forms of one off occupation may be in evidence in such a location.
Raw Materials near watersources	The most common raw materials are silcrete and chert in sites closer to coastal headlands, though some indurated mudstone/silicified tuff and quartz artefacts may also be found.
Grinding Grooves	Grinding Grooves may be found in the sandstone or shale/sandstone transition areas.
Scarred trees -	May occur in stands of remnant vegetation.
Ceremonial Sites	Consultation with relevant Aboriginal Stakeholder groups, individuals and review of ethnographic sources often reveal the presence of ceremonial or social sites.

This predictive model has been refined with focus on the dominant environment and landscape zones of the Cumberland Lowlands, such as the Wianamatta Group Shales, Hawksbury Sandstone, Quaternary alluvium, Quaternary Aeolian and Tertiary alluvium. Attenbrow (2002) discovered that the Quaternary alluvial deposits had a greater concentration of archaeological sites, which is likely the result of these deposits being located towards major creeklines and rivers, such as Eastern Creek, Second Ponds Creek etc. Areas of alluvial deposits were found by Kohen (1986) to contain artefact scatters of a large and complex nature the closer they were to permanent creeks.

Umwelt (2004) have identified similar environmental – archaeological relationships which contribute to the mapping and modelling of archaeological sites, such as;

- The pattern of watercourses and other landscape features such as ridge lines affected the ease with which people could move through the landscape;
- Certain landscape features such as crests or gently sloping, well-drained landforms influenced the location of camping places or vantage points that provided outlooks across the countryside;

- The morphology of different watercourses affected the persistence of water in dry periods and the diversity of aquatic resources and so influenced where, and for how long, people could camp or procure food;
- The distribution of rock outcrops affected the availability of raw materials for flakes and ground stone tools;
- The association of alluvial, colluvial and stable landforms affects the potential that sites will survive;
- European land-use practices affect the potential for site survival and/or the capacity for sites to retain enough information for us to interpret the types of activities that took place at a specific location.

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)

5.8 PREDICTIVE MODEL FOR THE STUDY SITE

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

Site Type	Research	Likelihood
Open Artefact Scatters	Higher order streams are located within the vicinity of the study area. The dearth of known reliable raw material source within nearby landscape units, would suggest that the artefacts may be significant in number but smaller in size on account to greater levels of stone tool reduction. Excavations in the vicinity of the study area indicate the presence of deposits that are suggestive of concentrated and repeated occupation.	Likely within undisturbed parts of the study site.
Isolated Artefacts	Higher order streams are located within the vicinity of the study site. The dearth of known reliable raw material source within nearby landscape units, would suggest that the artefacts may be significant in number but smaller in size, on account to greater levels of stone tool reduction. Excavations in the vicinity of the study area indicate the presence of deposits that are suggestive of concentrated and repeated occupation.	Likely within undisturbed parts of the study site.
Grinding Grooves	Boulders of sandstone or outcrops do not occur in the landscape units represented in the study site.	Unlikely/
Stone Resource Sites	Rock outcrops of suitable flaking material are almost absent from the soil landscapes represented within the study site.	Unlikely/
Scarred Trees	Trees of sufficient age are not located within the study site due to land clearing.	Unlikely/
Sandstone Shelters	The soil landscapes of the study site do not contain sandstone overhangs	Unlikely/
Burials	Undisturbed sandy loam deposits do not lie within the study site and the soil landscapes in which the study site is located are generally acidic. Skeletal remains tend to decompose very quickly in acidic soil profiles.	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 site

6.0 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 site. 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 (eg: 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 (eg: 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 site 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 site. It is acknowledged if the study site has little or no archaeological potential the study site may still have cultural significance to the Aboriginal community.

6.1 DISTURBANCE SUMMARY

Background research and aerals indicate that the study site has undergone significant clearance of vegetation between 1977 – 2013 (Figures 6.1-6.2) with further disturbance by 2018 (Figure 6.3). There is however no indication of deep excavations having been undertaken on the site. The area of most significant disturbance is the man made well within the study site as highlighted in the aerals below as well as outlined in the disturbance summary map (Figure 6.4). An early works programme has already been undertaken which has involved major earthworks in levelling and site preparation.

The Berkshire Park (bp) soil profile is relatively shallow especially in areas with poor drainage where <20cm of A horizon and/or A2 horizon is present (known artefact bearing soil horizons) of which consists of a sandy loam subject to dispositional movement.

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

Moderate - high disturbance to sections of the landscape: Sub-surface Aboriginal objects with potential conservation value have a nil-low probability of being present within the study site.



Figure 6.1 1977 aerial of study site
Approximate location of study site indicated in red. Blacktown City Council Online Mapping <http://maps.blacktown.nsw.gov.au/> (accessed 08/01/19)



Figure 6.2 2013 aerial of study site
Approximate location of study site indicated in red. Six Maps (accessed 08/01/19)



Figure 6.3 2018 aerial of study site
Approximate location of study site indicated in red. Six Maps (accessed 08/01/19)

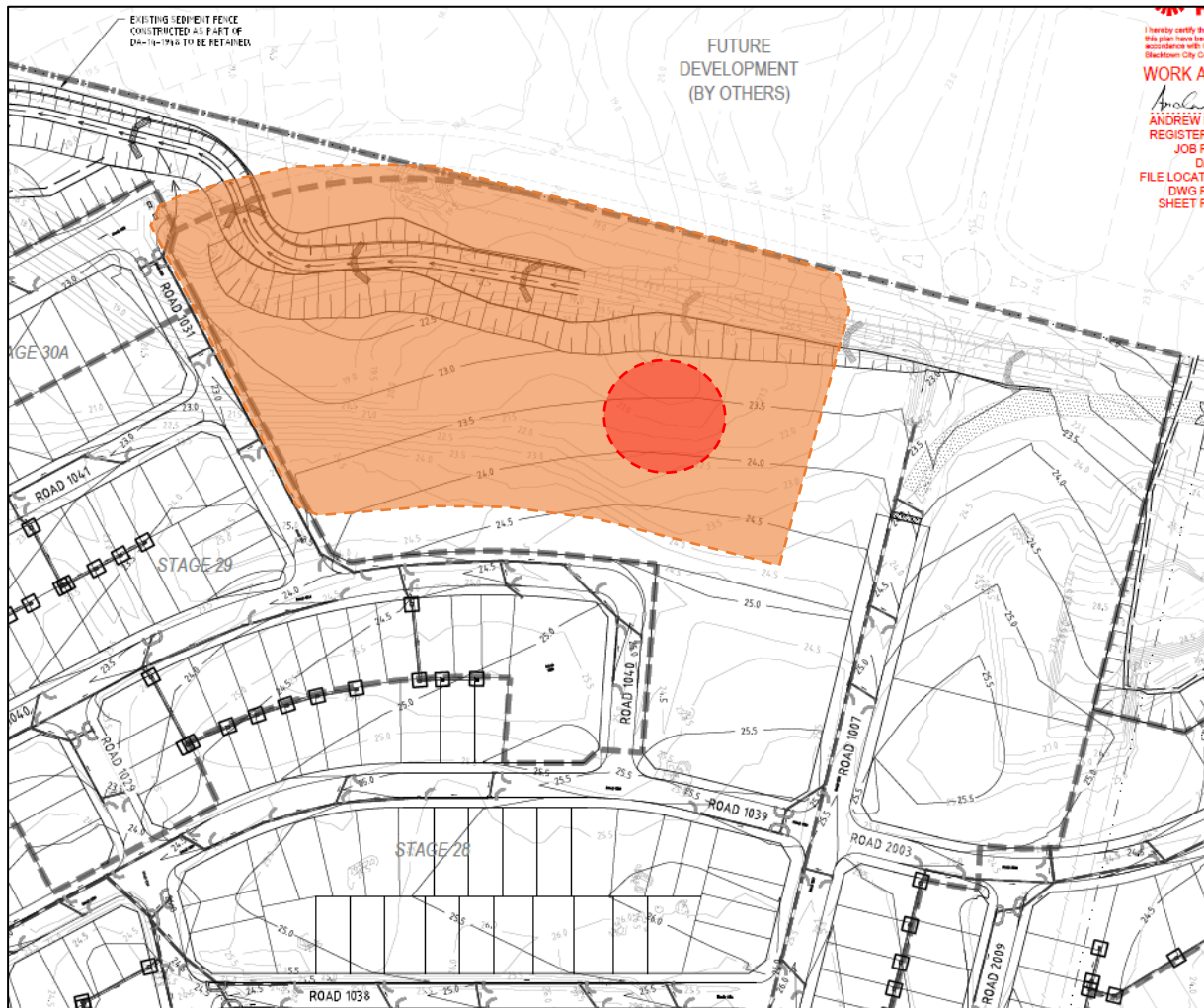


Figure 6.4 Disturbance summary map of study site
Moderate disturbance indicated in orange, high disturbance indicated in red.
Cardno Pty Ltd (2016) & AMAC (2019)

6.2 GEOTECHNICAL INVESTIGATION

Construction Sciences Pty Ltd conducted geotechnical investigations on 25th October 2018, comprising of eight boreholes (BH02 -BH04 within the study site) which tested to a depth of 1.5m. All three boreholes within the study site (BH02-BH04) were found to contain disturbed soils consisting of brown clay with a high plasticity with gravel and shale inclusions with no evidence of intact top soils. The site has been subject to extensive cut/fill earthworks involving filling greater than 2.0m in depth. Soil testing plan can be seen in figure 6.5.

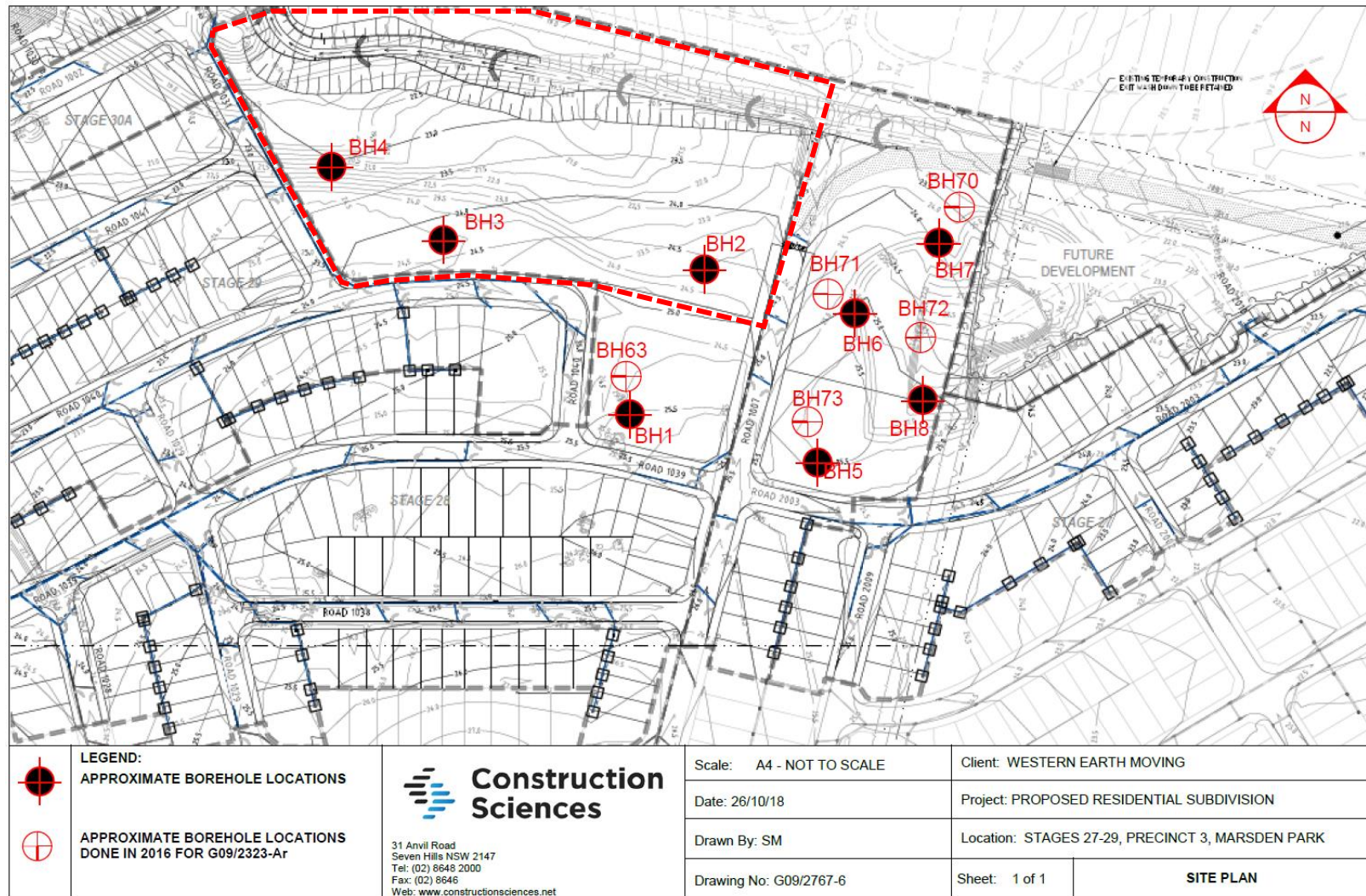


Figure 6.5 Geotechnical investigations – Borehole locations
Study area indicated in red outline. Construction Sciences Pty Ltd (2018) Drawing No. G09/2767-6.

6.3 SITE INSPECTION

The field inspection was undertaken on the 16th January 2019 by archaeological Benjamin Streat of AMAC/ SAS and a representative of the Deerubbin Local Aboriginal Land Council was present.

6.3.1 Survey Methods

The study site was inspected on foot. Where practical the whole of the study area was inspected, however, there were a number of limiting factors such as dense grass/weeds covering areas of the site as well as bitumen surface encompassing the western end of the study area. Any areas of exposed soil or areas of erosion were inspected in detail.

All visible landscape units were inspected as well as photographed where informative details as to land use and disturbance could be ascertained. Information was also collected regarding land surface and vegetation conditions as encountered during the survey.

The following broadly outlines the methods adopted;

- field inspections will be carried out on foot;
- attempts will be made to relocate the registered sites within the study area and assess their condition;
- highly disturbed areas indicated on plans will be inspected to verify the level of disturbance and depending on level of disturbance will be included or excluded from the additional survey;
- undisturbed areas will be inspected in as much detail as the remaining surface coverage and environment will allow and the results will be recorded;
- areas of exposed ground such as tracks or eroded surfaces which allow good surface visibility will form the focus of the field inspections;

6.3.2 Inspection Results

It was observed that the study area has been significantly disturbed in the form of complete clearance of all vegetation. Full exposure of soils indicated the site has also been subject to erosion due to surface runoff causing sheet erosion. There are no dwellings currently standing. A man-made dam exists along the northern boundary.

Intact natural deposits were not observed. The surface exposed consisted of mixed material and rock fragments suggesting a fill deposit.

Table 6.1 Survey Results

Unit	Landform	Area (sq. m)	Visibility (%)	Exposure (%)	Effective Coverage (sq. m)	Effective Coverage (%)
Site	Flat/Ridge	33,380	90%	90%	27,037	80.9%



Figure 6.6 Study area illustrating level of clearing the site has been subject to.
AMAC (2019) IMG_1082



Figure 6.7 Study area illustrating level of exposure compared to adjacent property.
AMAC (2019) IMG_1083



Figure 6.8 Extent of fill on slope within study area
AMAC (2019) IMG_1087



Figure 6.9 Exposed soils have been subject to erosion
AMAC (2019) IMG_1085

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).

The educational significance is considered low for the study site due to the highly disturbed nature of the preliminary earthworks conducted under AHIP #C0000307. This AHIP is still valid and covers known and unknown Aboriginal objects within the study site.

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).

The scientific significance is considered low for the study site due to the highly disturbed nature of the preliminary earthworks conducted under AHIP #C0000307. This AHIP is still valid and covers known and unknown Aboriginal objects within the study site.

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).

The representative significance is considered low for the study site due to the highly disturbed nature of the preliminary earthworks conducted under AHIP #C0000307. This AHIP is still valid and covers known and unknown Aboriginal objects within the study site.

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 any registered Aboriginal parties.

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 any registered Aboriginal parties.

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 any registered Aboriginal parties.

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 will primarily consist of a two-storey building with an open plan quad on the ground floor (Figures 8.1-8.5). This building is surrounded by terraced sporting facilities such as a soccer field, sports court and various play area. Parking facilities are also proposed at the south western end. The plans are currently at a preliminary stage and as such no elevations plans have been provided yet therefore the extent of the impact of the proposed development on any potential archaeological deposits and or objects cannot be fully assessed. However, these plans indicate that significant earthworks are proposed as part of the terracing of the site as well foundations required for a two- storey development.

The study area has the potential to contain low- nil significant Aboriginal archaeological and cultural objects and/or deposits associated, these are likely within both disturbed and intact deposits.

The proposed study area is contained to Lot 2889 DP 1230906 (Figure 8.1). The preliminary plans indicate future roads and associated works planned for the surrounding area, of which will directly impact site# 45-5-2752, these road works are not subject of this assessment and therefore will require appropriate mitigation to take place such as either an AHIP or ACHMP depending on the development status of the proposed future works.

8.2 PROPOSED DEVELOPMENT JUSTIFICATION

The Marsden Park New Primary School will cater for 1,000 primary school students at completion. The proposal seeks consent for:

- Construction Stage 1 (Temporary School): a temporary school facility constructed within the western portion of the development site located on the future sports grounds. This temporary school facility is to accommodate a maximum of 500 students at any given time. Should the permanent school progress as per the program, the temporary school will not be required.
- Construction Stage 2 (Construction of Permanent School Facility): a permanent consolidated two storey courtyard building with capacity to accommodate a maximum of 1,000 students. This new school building is to comprise
 - 40 teaching spaces;
 - A canteen;
 - Library;
 - Multipurpose hall;
 - Office and administration space;
 - Staff and student amenities; and

- Out of school hours care accommodation.
- Multi-purpose sporting facilities and outdoor play spaces;
- Associated site landscaping and public domain improvements;
- An on-site car park for 48 parking spaces and a drop-off and pick-up area; and
- Construction of ancillary infrastructure and utilities as required.

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 site has the potential to contain low- nil significant Aboriginal archaeological and cultural objects and/or deposits associated, these are likely within both disturbed and intact deposits. AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance

8.4 ASSESSING HARM

The proposed development has the potential to harm objects and/or deposits of Aboriginal and archaeological significance. AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance.

8.5 AVOIDING AND MINIMISING HARM TO ABORIGINAL OBJECTS

The proposed development has the potential to harm objects and/or deposits of Aboriginal and archaeological significance. AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance

8.6 JUSTIFICATION OF HARM TO ABORIGINAL OBJECTS

AHIP (Permit ID: 3685) is currently in place to cover known and unknown objects and/or features of Aboriginal archaeological and cultural significance.

8.7 ECOLOGICALLY SUSTAINABLE DEVELOPMENT AND INTERGENERATIONAL EQUITY

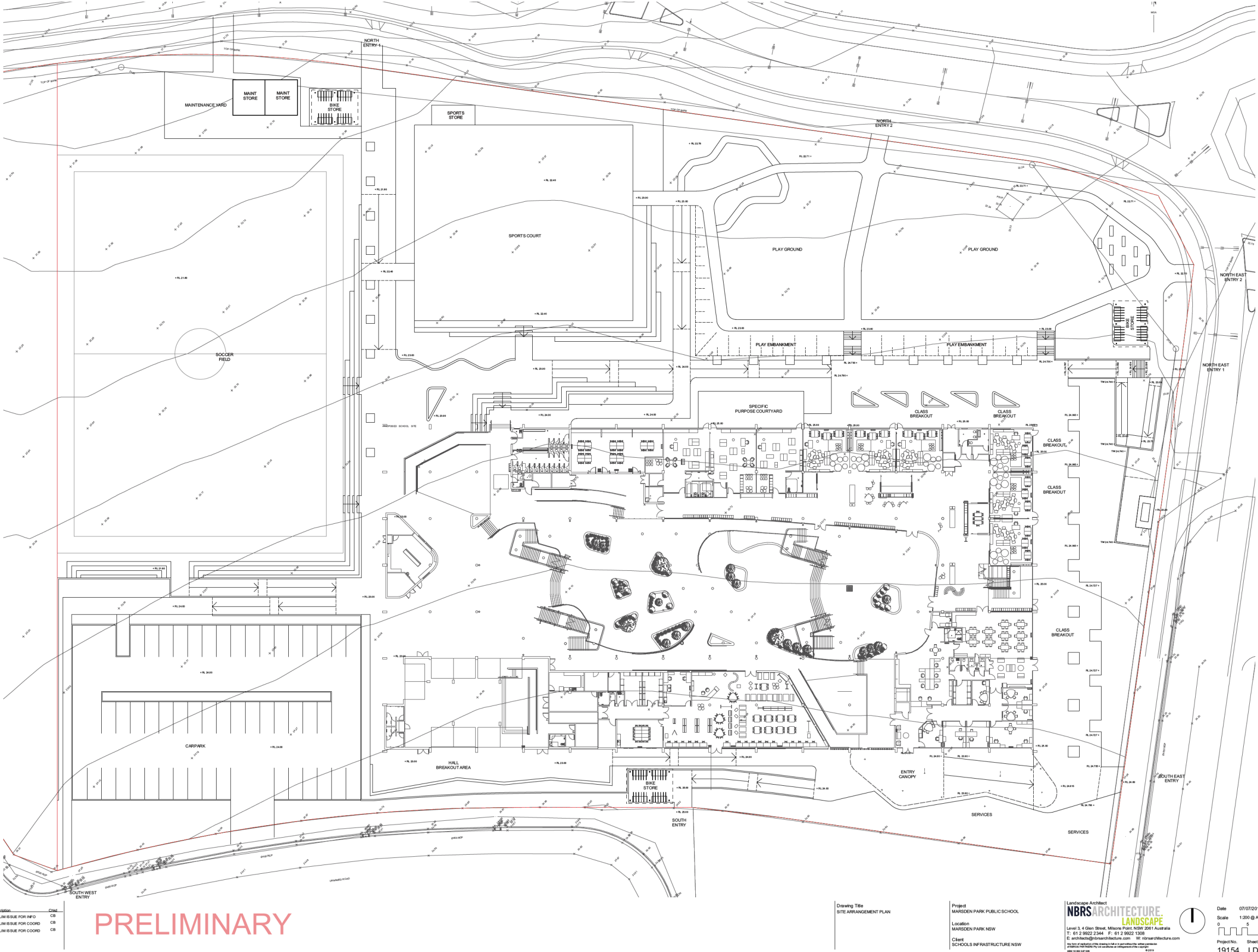
The ability of any development to be completely ecologically sustainable will be limited by definition. However, the proponents of this subdivision appear to have made significant efforts to meet the needs of the current generation without compromising the ability of future generations to meet their own needs. This has been accomplished by proposing a plan on a manageable and affordable scale while still protecting and conserving the archaeological resources.

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.



Figure 8.1 Site Layout
NBRS Architecture (2019) Drawing No. 19154-A-WD-002 Rev B





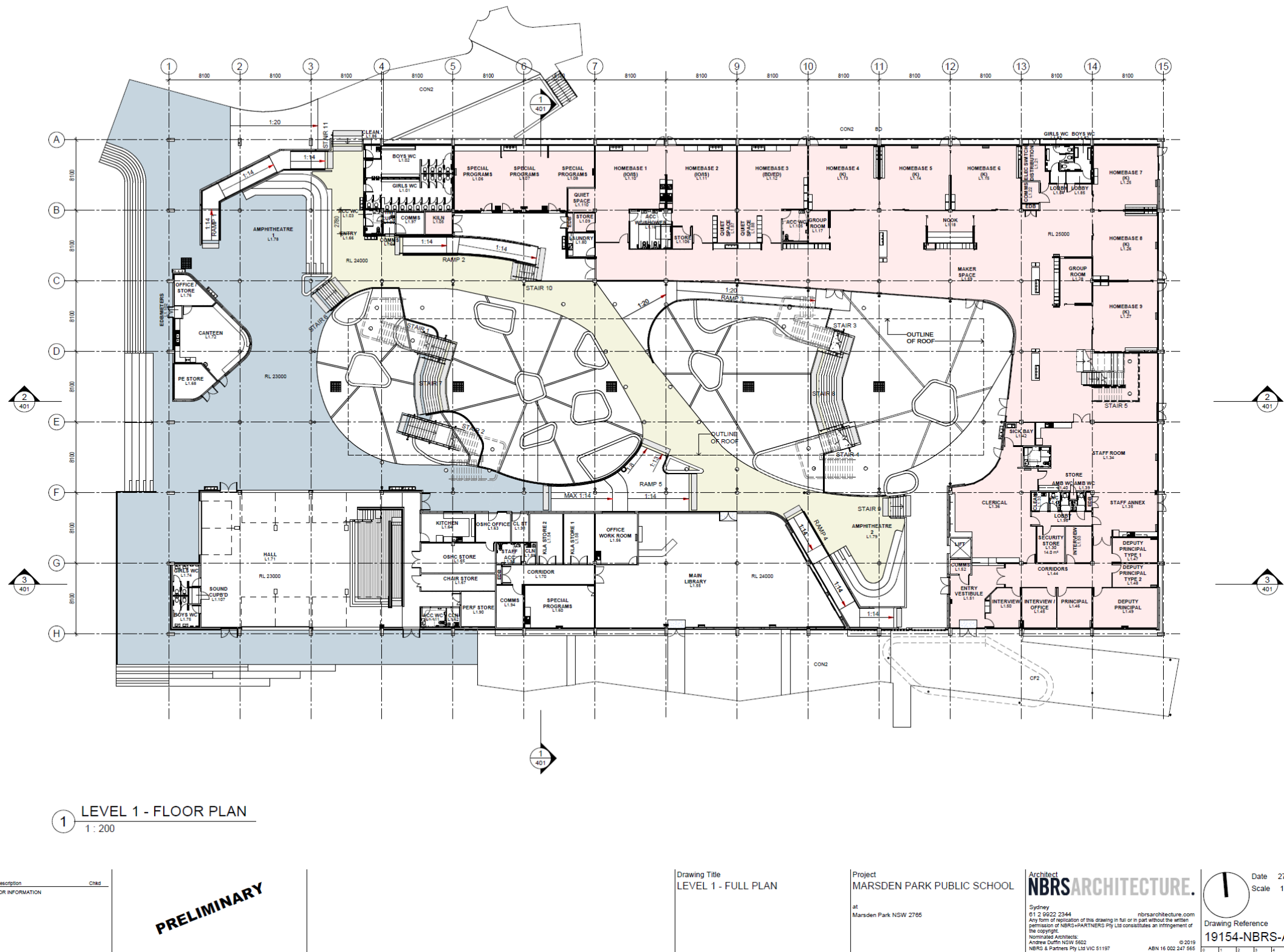
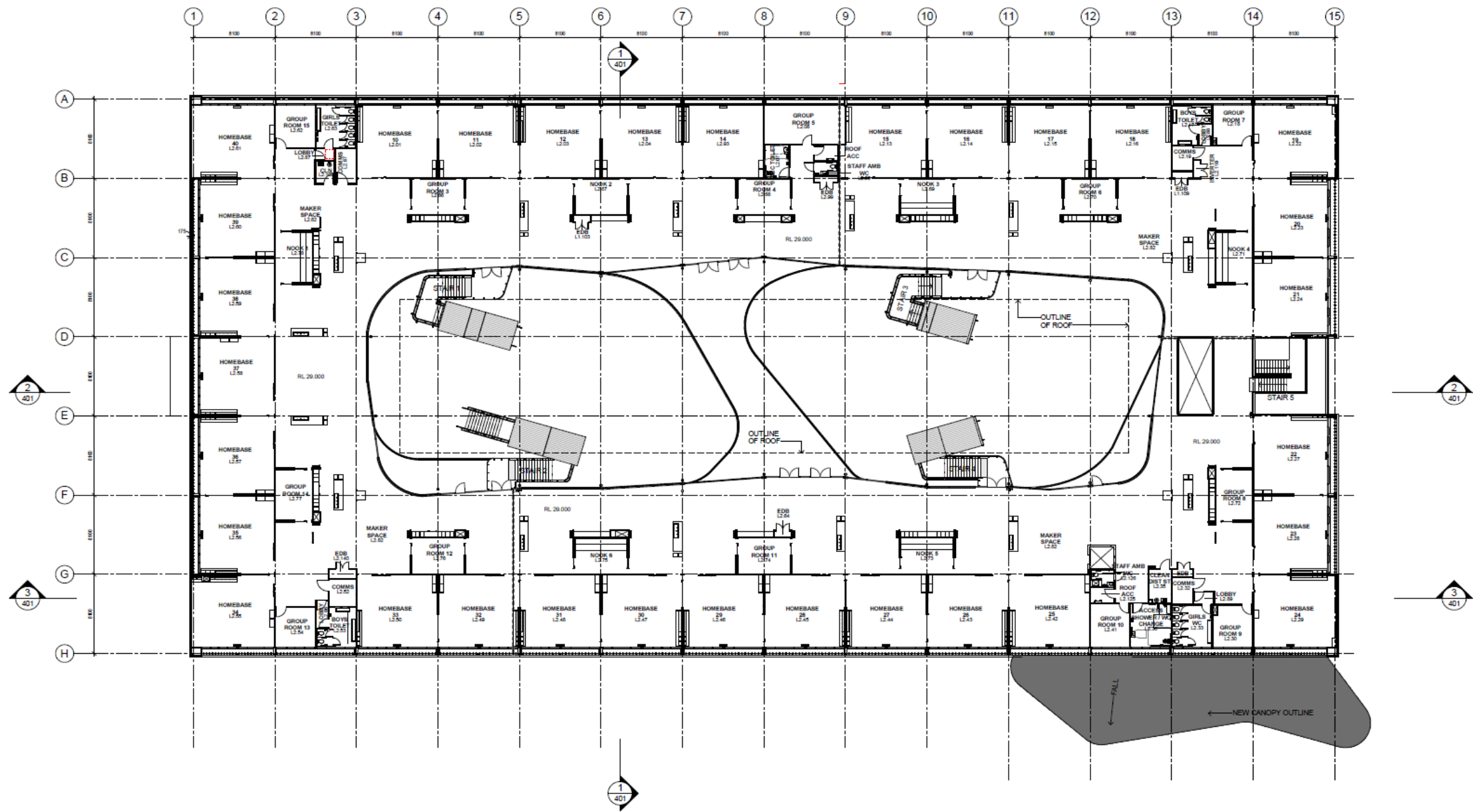


Figure 8.4 Level 1 - Full Plan
NBRS Architecture (2019) Drawing No.19154-NBRS-A-DA-100 Rev. 1



1 LEVEL 2 - FLOOR PLAN
1 : 200

Issue			
No.	Date	Description	Child
1	27/08/2019	FOR INFORMATION	

PRELIMINARY

Drawing Title
LEVEL 2 - FULL PLAN

Project
MARSDEN PARK PUBLIC SCHOOL
at
Marsden Park NSW 2765

Architect
NBRARCHITECTURE.
Sydney
61 2 9622 2344
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Nominated Architect:
Andrew Duffin NSW 5602
NBRSPARTNERS Pty Ltd VIC 51197

Date 27/08/2019 5:17:10 PM
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Drawing Reference
19154-NBRSPARTNERS-A-DA-105
Revision
1

Figure 8.5 Level 2 – Full Plan
NBRSPARTNERS (2019) 19154-NBRSPARTNERS-A-DA-105 Rev. 1

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 (Department of Planning)

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 site has moderate - high surface disturbances in response to an early works programme associated with the subdivision of the wider Marsden Park Precinct. As part of these early works, test excavation was undertaken by GML Heritage in 2013 which resulted in the application of an Aboriginal Heritage Impact Permit (AHIP). This permit is currently still active and as such no further investigation is necessary.

A search of the Aboriginal Heritage Information Management System (AHIMS) database as well as the Blacktown Marsden Park Precinct DCP 2016 has revealed a registered site (AHIMS Site #45-5-2752), bordering the northern boundary of the study site. This registered site contains 3 artefacts within a disturbed context. The registered site's close proximity to the study area indicate that the proposed future works will impact said site and will therefore require further investigation.

The following recommendations have been formulated after consultation with the proponent and the Office of Environment and Heritage (OEH);

- The proposed study site is contained to Lot 2889 DP 1230906 (Figure 8.1). The preliminary plans indicate future roads and associated works planned for the surrounding area, of which will directly impact site 45-5-2752, these road works are not subject to this assessment and therefore will require appropriate mitigation to take place such as either an AHIP or ACHMP depending on the development status of the proposed future works;
- 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.

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

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2007. *Salvage Excavation of Four Archaeological Sites in the Caddies Creek Precinct Rouse Hill Regional Centre, NSW*. Report to Lend Lease GPT (Rouse Hill) Pty Ltd.

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NAVIN OFFICER

2006 *Leppington Caravan Park Redevelopment; Aboriginal Archaeological Survey*. Report prepared for Mepstead & Associates Pty Ltd

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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

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WHITE, E.

2001 *McCann Road & Bringlelly Road, Leppington (Lot 70 DP260492);
Archaeological survey for Aboriginal sites*. Report prepared for Lean & Hayward Pty
Ltd.

APPENDIX B:

ABORIGINAL CONSULTATION LOG

**Lot 2889 DP1230906
Marsden Park New Primary School
Corner of Northbourne Drive (east) and
proposed future road (north), Elara Estate
Marsden Park, NSW
(Blacktown LGA)**



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

*Archaeological Management & Consulting Group
& Streat Archaeological Services*

For

Schools Infrastructure NSW

September 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)*



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Mob 0405 455 869
E-mail Streatarchaeological@netspace.net.au
Benjaminstreat@archaeological.com.au

Cover Image

Site inspection image of study site
IMG_1080 (AMAC 2018)

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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).

The Aboriginal Consultation process was carried by AMAC. The study site currently has a valid and active AHIP (Permit ID: 3685) in place. This permit is in the process of having the permit holder name changed to reflect the new owner of the land which is Schools Infrastructure NSW. A copy of the permit is provided in appendix one. This permit was originally approved and commenced on the 4th April 2014 and is valid for 10 years. As such Aboriginal consultation in accordance with Part 6 of the National Parks and Wildlife Act *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW, 2010) will take place as part of the AHIP which will be amended with respect to this project.

The following consultation log table summarises all correspondence with Registered Aboriginal Parties with regards to the stages outlined in the Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010).

CONSULTATION LOG SUMMARY TABLE

STAGE 1						
Authority Letters & Advertisement						
Authority Body/ Organisation	Contact Person	Contact Details	Date Sent	Method	Response Received	Date
Blacktown City Council	Heritage Officer	Po Box 63, Blacktown NSW 2148	9/01/2019	Mail	No	
Greater Sydney LLS	Heritage Officer	PO BOX 4515, Westfield Penrith NSW 2750	9/01/2019	Mail	Yes/Email	5/02/2019
Deerubbin Local Aboriginal Land Council	Heritage Officer	PO BOX 40, Penrith BC NSW 2751	9/01/2019	Mail	No	
NSW Native Title Services	Heritage Officer	PO BOX 2105, Strawberry Hills NSW 2012	9/01/2019	Mail	No	
NNTT	Heritage Officer	GPO BOX 9973, Sydney NSW 2001	9/01/2019	Mail	Yes/Email	24/01/2019
NTSCORP	Heritage Officer	PO BOX 2105, Strawberry Hills NSW 2012	9/01/2019	Mail	No	
OEH	Archaeologist	PO BOX 644, Parramatta NSW 2124	9/01/2019	Mail	Yes/Email	25/01/2019
Office of Registrar	Heritage Officer	PO BOX 112, Glebe NSW 2037	9/01/2019	Mail	Yes/Email	23/01/2019
Newspaper Advertisement:	Hawkesbury Gazette		Ad Placed: 04/02/19		Date printed: 06/02/19	End Period: 20/02/19
Stakeholders Contacted	Minimum 14 days to register	(01/02/2019) - (15/02/2019)				
Name/Organisation	Contact Person	Contact Details	Date Sent	Method	Notes	
Deerubbin Local Aboriginal Land Council	Steven Randall	PO BOX 40, Penrith BC NSW 2751	1/02/2019	Post		
Darug Custodian Aboriginal Corp.	Justine Coplin	PO BOX 81, Windsor NSW 2756	1/02/2019	Post		
Darug Tribal Aboriginal Corp.	Dirk Schmitt	PO BOX 441, Blacktown NSW 2148	1/02/2019	Post		
Darug Aboriginal Cultural Heritage Assessments	Gordon Morton/Celestine	9/6 Chapman Ave. Chatswood NSW 2067	1/02/2019	Post		
Darug Land Observations	Anna O'Hara	PO BOX 173, Ulladulla NSW 2539	1/02/2019	Post		
Des Dyer		18a Perigee Close, Doonside NSW 2767	1/02/2019	Post		
A1 Indigenous Services	Carolyn Hickey	10 Marie Pitt Place, Glenmore Park NSW 2745	1/02/2019	Post		
Gunjeewong Cultural Heritage Aboriginal Corp	Cherie Carroll	1 Bellvue Place, Portland NSW 2847	1/02/2019	Post		
Merrigarn Indigenous Corp.	Shaun Carroll	GPO BOX 158, Canberra City ACT 2601	1/02/2019	Post		
Murra Bidgee Mullangari	Ryan Johnson	PO BOX 246, Seven Hills NSW 2147	1/02/2019	Post		
Bidjawong Aboriginal Corp.	James Carroll	PO BOX 124, Round Corner NSW 2158	1/02/2019	Post		

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Kamilaroi Yankuntjatjara Working Group	Phil Khan	78 Forbes St. Emu Plains NSW 2750	1/02/2019	Post
Wurrumay Consultancy	Kerrie Slater	89 Pyramid St. Emu Plains NSW 2750	1/02/2019	Post
Warragil Cultural Services	Aaron Slater	Warragil_c.s@hotmail.com	1/02/2019	Email
Kawul Cultural Services	Vicky Slater	89 Pyramid St. Emu Plains NSW 2750	1/02/2019	Post
Tocomwall	Scott Franks	PO BOX 76, Caringbah NSW 1495	1/02/2019	Post
Amanda Hickey Cultural Services	Amanda Hickey	57 Gough St. Emu Plains NSW 2750	1/02/2019	Post
Widescope	Steven Hickey	73 Russell St. Emu Plains NSW 2750	1/02/2019	Post
HSB Consultants	Patricia Hampton	62 Ropes Crossing Blvd. Ropes Crossing NSW 2760	1/02/2019	Post
Rane Consulting	Tony Williams	1 Pyrenees Way, Beaumont Hills NSW 2155	1/02/2019	Post
Anthony Williams		2/24 Goodwin St. Narrabeen NSW 2101	1/02/2019	Post
Dhinawan-Dhigaraa Culture & Heritage Pty Ltd	Ricky Fields	dhinawan.fields@gmail.com	1/02/2019	Email
Dhinawan-Dhigaraa Culture & Heritage Pty Ltd	Athol Smith	16 Yantara Place, Woodcroft NSW 2767	1/02/2019	Post
Gunyu	Kylie Ann Bell	gunyuuchts@gmail.com	1/02/2019	Email
Walbunja	Hika Te Kowhai	walbunja@gmail.com	1/02/2019	Email
Badu	Karia Lea Bond	11 Jeffery Place, Moruya NSW 2537	1/02/2019	Post
Goobah Developments	Basil Smith	66 Grantham Rd. Batehaven NSW 2536	1/02/2019	Post
Wullung	Lee-Roy James Boota	54 Blackwood St. Gerringong NSW 2534	1/02/2019	Post
Yerramurra	Robert Parson	yerramurra@gmail.com	1/02/2019	Email
Nundagurri	Newton Carriage	nundagurri@gmail.com	1/02/2019	Email
Murrumbul	Mark Henry	murrumbul@gmail.com	1/02/2019	Email
Jerringong	Joanne Anne Stewart	jerringong@gmail.com	1/02/2019	Email
Pemulwuy CHTS	Pemulwuy Johnson	14 Top Place, Mt Annan NSW 2567	1/02/2019	Post
Bilinga	Simalene Carriage	bilingachts@gmail.com	1/02/2019	Email
Munyunga	Kaya Dawn Bell	munyungachts@gmail.com	1/02/2019	Email
Wingikara	Hayley Bell	wingikarachts@gmail.com	1/02/2019	Email

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Minnamunnung	Aaron Broad	1 Waratah Ave. Albion Park Rail NSW 2527	1/02/2019	Post	
Walgalu	Ronald Stewart	walgaluchts@gmail.com	1/02/2019	Email	
Thauaira	Shane Carriage	thauairchts@gmail.com	1/02/2019	Email	
Dharug	Andrew Bond	dharugchts@gmail.com	1/02/2019	Email	
Bilinga CHTS	Robert Brown	bilinga@mirramajah.com	1/02/2019	Email	Email Bounced
Gunyu CHTS	Darlene Hoskins-McKenzie	gunyu@mirramajah.com	1/02/2019	Email	Email Bounced
Munyunga CHTS	Suzannah McKenzie	munyunga@mirramajah.com	1/02/2019	Email	Email Bounced
Murrumbul CHTS	Levi McKenzie-Kirkbright	murrumbul@mirramajah.com	1/02/2019	Email	Email Bounced
Wingikara CHTS	Wandai Kirkbright	wingikara@mirramajah.com	1/02/2019	Email	Email Bounced
Gulaga	Wendy Smith	gulagachts@gmail.com	1/02/2019	Email	
Biamanga	Seli Storer	biamangachts@gmail.com	1/02/2019	Email	
Cullendulla	Corey Smith	cullendullachts@gmail.com	1/02/2019	Email	
Murramarang	Roxanne Smith	murramarangchts@gmail.com	1/02/2019	Email	
DJMD Consultancy	Darren Duncan	darrenjohnduncan@gmail.com	1/02/2019	Email	
Butucarbin Aboriginal Corp.	Jennifer Beale	PO BOX E18, Emerton NSW 2770	1/02/2019	Post	
Didge Ngunawal Clan	Lilly Carroll & Paul Boyd	7 Siskin St. Quakers Hill NSW 2763	1/02/2019	Post	
Ginninderra Aboriginal Corp.	Steven Johnson & Krystle Carroll	PO BOX 3143, Grose Vale NSW 2754	1/02/2019	Post	
Nerrigundah	Newton Carriage	nerrigundahchts@gmail.com	1/02/2019	Email	Email Bounced
Wailwan Aboriginal Group	Phil Boney	waarlan12@outlook.com	1/02/2019	Email	
Barking Owl Aboriginal Corp.	Jody Kulakowski	barkingowlcorp@gmail.com	1/02/2019	Post	
Yulay Cultural Services	Arika Jalomaki	15 Rowley Place, Airds NSW 2560	1/02/2019	Post	
Thoorga Nura	John Carriage	50B Hilltop Cresc. Surf Beach NSW 2536	1/02/2019	Post	
Darug Boorooberongal Elders Aboriginal Corp.	Gordon Workman	73 Judith Anderson Dr. Doonside NSW 2767	1/02/2019	Post	
B.H. Heritage Consultants	Ralph Hampton	184 Captain Cook Dr. Willmot NSW 2770	1/02/2019	Post	
B.H. Heritage Consultants	Nola Hampton	95 Mt. Ettalong Rd. Umina Beach NSW 2257	1/02/2019	Post	

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Ngambaa Cultural Connections	Kaarina Slater	6 Natchez Cresc. Greefield Park NSW 2167	1/02/2019	Post	
Registered Organisations/Individuals	Contact Person	Email Address	Date	Method	Notes
Kamilaroi Yankuntjatjara Working Group	Phil Khan	philipkhan.acn@live.com.au	5/02/2019	Verbal	
Gunjeewong Cultural Heritage Aboriginal Corp.	Cherie Carroll Turrise	Gunjeewong53@hotmail.com	4/02/2019	Post	
DLO	Anna O'Hara	daruglandobservations@gmail.com	31/01/2019	Email	Attached Letter
Wailwan Aboriginal Group	Phil Boney	waarlan12@outlook.com	2/02/2019	Email	
Didge Ngunawal Clan	Paul Boyd	didgengunawalclan@yahoo.com.au	6/02/2019	Email	
Badu	Karia Bond	baduchts@gmail.com	11/02/2019	Email	
Barraby	Lee Field	barrabyculturalservices@gmail.com	8/02/2019	Email	Attached Letter
Bidawal	Maria Stewart	bidawalchts@gmail.com	11/02/2019	Email	
Bilinga	Simalene Carriage	bilingachts@gmail.com	11/02/2019	Email	
Bullaya	Fay Campbell	bullawaya@gmail.com	11/02/2019	Email	
Bulling Gang	Whane Carberry	bullinggangelders@gmail.com	11/02/2019	Email	
Curwur Murre	Donald Parsons	curwurmurreelders@gmail.com	11/02/2019	Email	
Dharug Dharug	Wally Caines	dharugchts@gmail.com	11/02/2019	Email	
Djiringanj	John Walker	djiringanjchts@gmail.com	11/02/2019	Email	
Elouera	James Sutton	elouerachts@gmail.com	11/02/2019	Email	
Eora	Kahu Brennan	eorachts@gmail.com	11/02/2019	Email	
Gadung	Kathy Burns	gadungelders@gmail.com	12/02/2019	Email	
Gangangarra	Kim Carriage	gangangarra@gmail.com	11/02/2019	Email	
Golangaya	Adreian Connolly	golangayaelders@gmail.com	12/02/2019	Email	

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Gulla Gunar	Clayton Moore	gullagunarelders@gmail.com	12/02/2019	Email	
Gunyu Gunyu	Mundurra Drew	gunyuuchts@gmail.com	11/02/2019	Email	
Darug Custodian Aboriginal Corp.	Justine Coplin	justinecoplin@optusnet.com.au	11/02/2019	Email	Attached Letter
Kuringgai	Toni Brierley	kuringgaichts@gmail.com	11/02/2019	Email	
Merrigarn Indigenous Corp.	Shaun Carroll	Merrigarn@hotmail.com	6/02/2019	Email	
Muragadi	Jesse Johnson	muragadi@yahoo.com.au	6/02/2019	Email	
Munyunga	Jason Bell	munyungachts@gmail.com	11/02/2019	Email	
Murra Bidgee Mullangari	Ryan Johnson	murrabidgeemullangari@yahoo.com.au	6/02/2019	Email	
Murrin	Tarlarra Te Kowhai	murrinchts@gmail.com	11/02/2019	Email	
Murrumbul	Shane Saunders	murrumbul@gmail.com	11/02/2019	Email	
Ngarigo	David Pittman	ngarigochts@gmail.com	11/02/2019	Email	
Ngunawal	Edward Stewart	ngunawalchts@gmail.com	11/02/2019	Email	
Nundagurri	Thomas Tighe	nundagurri@gmail.com	11/02/2019	Email	
Wailwan Aboriginal Group	Phil Boney	waarlan12@outlook.com	2/02/2019	Email	
Tharawal	John Stewart	tharawalchts@gmail.com	11/02/2019	Email	
Thauaira	Shane Davis	thauairachts@gmail.com	12/02/2019	Email	
Tocomwall	Danny Franks	danny@tocomwall.com.au	8/02/2019	Email	Attached Letter
Walbunja Elders	Dean Scott	walbunjaelders@gmail.com	12/02/2019	Email	
Walbunja	Hika Te Kowhai	walbunja@gmail.com	11/02/2019	Email	
Walgalu	Ronald Stewart	walgaluchts@gmail.com	12/02/2019	Email	

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Wandandian	William Bond	wandandianchts@gmail.com	12/02/2019	Email	
Wingikara	Izahya Clay	wingikarachts@gmail.com	12/02/2019	Email	
Yerramurra	Nathan Walker-Davis	yerramurra@gmail.com	12/02/2019	Email	
Yulay Cultural Services	Arika Jalomaki	yulayculturalservices@gmail.com	8/02/2019	Email	Attached Letter
Yurrandaali Culltural Services	Bo Field	yurrandaali_cs@hotmail.com	8/02/2019	Email	Attached Letter
Darug Aboriginal Cultural Heritage Assessments	Celestine Everingham	(02) 9410 3665	8/02/2019	Phone	
STAGE 2 & 3					
ACHA Methodology (/Test Excavation Methodology)		Minimum 28 days to respond	(22/03/2019) - (19/04/2019)		
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes
All RAPS	Steven J. Vasilakis/AMAC	Dispatch ACHA Research Design & Methodology	22/03/2019	Email	Posted to Celestine
Steven J. Vasilakis/AMAC	Muragadi	ACHA Methodology Response	26/03/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Merrigarm	ACHA Methodology Response	26/03/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Murra Bidgee Mullangari	ACHA Methodology Response	3/04/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	DACHA	ACHA Methodology Response	5/04/2019	Phone	Celestine Supports Recommendations
Steven J. Vasilakis/AMAC	DLO	ACHA Methodology Response	8/04/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Tocomwall	ACHA Methodology Response	26/03/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	DACA	ACHA Methodology Response	4/04/2019	Post	Supports Recommendations
STAGE 4					
ACHA Report		Minimum 28 days to respond	(11/07/2019) - (08/08/2019)		
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes
All RAPS	Steven J. Vasilakis/AMAC	Dispatch ACHA Report	11/07/2019	Email	Posted to Celestine Everingham
Steven J. Vasilakis/AMAC	Murra Bidgee Mullangari	ACHA Report Response	11/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Merrigarn	ACHA Report Response	11/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Muragadi	ACHA Report Response	11/07/2019	Email	Supports Recommendations

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Steven J. Vasilakis/AMAC	Badu	ACHA Report Response	22/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Munyunga	ACHA Report Response	24/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	DLO	ACHA Report Response	24/07/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Walbunja	ACHA Report Response	19/07/2019	Email	Supports Recommendations and on behalf of Murrin Nation DHARUG, GUNDUNGURRA, THARAWAL, EORA, ELOUERA, WANDANDIAN, NGUNAWAL, WALGALU, NGARIGO, WALBUNJA, DJIRINGANJ, THAUAIRA and BIDAWAL
Steven J. Vasilakis/AMAC	DCAC	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	Gunjeewong	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	DNC	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	Wailwan	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Steven J. Vasilakis/AMAC	DACHA	ACHA Report Response	19/07/2019	Phone	Supports Recommendations
Yulay	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
Yurrandaali	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
Barraby	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
Deerubbin LALC	Steven J. Vasilakis/AMAC	ACHA Report Response	19/07/2019	Phone	No Response Left Msg
All RAPS	Yolanda Pavincich/ AMAC	ACHA - amended version for review	13/08/2019	Email	
Steven J. Vasilakis/AMAC	Phil Khan/Kamilaroi-Yankuntjatjara	ACHA - response to amended version	19/08/2019	Email	Supports Recommendations
Steven J. Vasilakis/AMAC	Justine Coplin/Darug Custodian Aboriginal Corp.	ACHA - response to amended version	23/08/2019	Email	Supports Recommendations
Yolanda Pavincich/AMAC	Shaun Carroll/Merrigarn	ACHA - response to amended version	26/08/2019	Email	Supports Recommendations
Yolanda Pavincich/AMAC	Cherie Carroll Turrise/Gunjeewong	ACHA – response to amended version	13/08/2019	Email	Requests to be kept updated

1.0 STAGE ONE: NOTIFICATION OF PROJECT PROPOSAL AND REGISTRATION OF INTEREST

Consultation for this report was 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). The following consultation log and supporting documentation is used to demonstrate that stage one of Part 6; National Parks and Wildlife Act *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010) have been fulfilled.

The following is a summary consultation log compiled by AMAC Group outlining this stage of the process.

1.1 STAGE ONE: SUPPORTING DOCUMENTATION

1.1.1 Agency Letters

The following letters were sent to the appropriate agencies for the local area in order to establish a list of possible stakeholders.

1.1.1.1 Deerubbin Local Aboriginal Land Council

**AMAC Group
& SAS**

Heritage Officer
 Deerubbin Local Aboriginal Land Council
 PO Box 40
 Penrith BC NSW 2751

AMAC Group &
 Street Archaeological Services
 122c Percival Road,
 Stanmore, 2048
 (02) 9568 6093
consultation@archaeological.com.au
 8th January 2019

Dear Sir or Madam

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
 for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales
 2765

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment, and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact the Deerubbin LALC, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd
 122c Percival Road, Stanmore NSW 2048
 (02) 9568 6093
consultation@archaeological.com.au

1.1.1.2 Greater Sydney Local Land Services

AMAC Group & SAS

Heritage Officer
 Greater Sydney Local Land Service
 PO BOX 4515
 Westfield Penrith NSW 2750

AMAC Group &
 Streat Archaeological Services
 122c Percival Road,
 Stanmore, 2048
 (02) 9568 6093
consultation@archaeological.com.au
 8th January 2019

Dear Sir or Madam

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
 for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales
 2765

Archaeological Management and Consulting Group (AMAC) in conjunction with Streat Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment, and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact the Greater Sydney Local Land Service, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)



Archaeological Management & Consulting Group and Streat Archaeological Services Pty Ltd
 122c Percival Road, Stanmore NSW 2048
 (02) 9568 6093
consultation@archaeological.com.au

1.1.1.3 NSW Native Title Service

AMAC Group & SAS

Heritage Officer
 NSW Native Title Service
 PO BOX 2105
 Strawberry Hills NSW 2012

AMAC Group &
 Street Archaeological Services
 122c Percival Road,
 Stanmore, 2048
 (02) 9568 6093
consultation@archaeological.com.au
 8th January 2019

Dear Sir or Madam

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
 for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales
 2765

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment, and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact the NSW NTS, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd
 122c Percival Road, Stanmore NSW 2048
 (02) 9568 6093
consultation@archaeological.com.au

1.1.1.4 National Native Title Tribunal

AMAC Group & SAS

Heritage Officer
 NNTT
 GPO BOX 9973
 Sydney NSW 2001

AMAC Group &
 Street Archaeological Services
 122c Percival Road,
 Stanmore, 2048
 (02) 9568 6093
consultation@archaeological.com.au
 8th January 2019

Dear Sir or Madam

**Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
 for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales
 2765**

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment, and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact NNTT, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd
 122c Percival Road, Stanmore NSW 2048
 (02) 9568 6093
consultation@archaeological.com.au

1.1.1.5 NTSCORP

AMAC Group & SAS

Heritage Officer NTSCorp PO Box 2105 Strawberry Hills NSW 2012	AMAC Group & Street Archaeological Services 122c Percival Road, Stanmore, 2048 (02) 9568 6093 consultation@archaeological.com.au 8 th January 2019
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Dear Sir or Madam

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales 2785

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact NTSCorp, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd
 122c Percival Road, Stanmore NSW 2048
 (02) 9568 6093
consultation@archaeological.com.au

1.1.1.6 Office of Environment & Heritage

AMAC Group & SAS

Office of Environment & Heritage
Planning and Heritage Department
PO Box 844
Parramatta NSW 2124

AMAC Group &
Street Archaeological Services
122c Percival Road,
Stanmore, 2048
(02) 9568 6093
consultation@archaeological.com.au
8th January 2019

Dear Sir or Madam

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales
2765

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment, and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact OEH, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,



Benjamin Street
Senior Archaeologist
(Aboriginal Heritage)



Archaeological Management and Consulting Group and Street Archaeological Services Pty Ltd
122c Percival Road, Stanmore NSW 2048
(02) 9568 6093
consultation@archaeological.com.au

1.1.1.7 Office of Registrar

AMAC Group & SAS

Office of the Registrar
 Aboriginal Land Rights Act 1983
 PO Box 112
 Glebe NSW 2037

AMAC Group &
 Street Archaeological Services
 122c Percival Road,
 Stanmore, 2048
 (02) 9568 6093
consultation@archaeological.com.au
 8th January 2019

Dear Sir or Madam

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
 for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales
 2765

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment, and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact the Office of the Registrar, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd
 122c Percival Road, Stanmore NSW 2048
 (02) 9568 6093
consultation@archaeological.com.au

1.1.1.8 BLACKTOWN CITY COUNCIL

AMAC Group & SAS

Heritage Officer
Blacktown City Council
PO Box 63
Blacktown NSW 2148

AMAC Group &
Street Archaeological Services
122c Percival Road,
Stanmore, 2048
(02) 9568 6093
consultation@archaeological.com.au
8th January 2019

Dear Sir or Madam

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales
2785

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1180510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment and Heritage (oeh) Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact Blacktown City Council, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any Aboriginal community groups or individuals registered with council who may have an interest.

Yours sincerely,



Benjamin Street
Senior Archaeologist
(Aboriginal Heritage)



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd
122c Percival Road, Stanmore NSW 2048
(02) 9568 6093
consultation@archaeological.com.au

1.1.2 Advertisement

The following advertisement was placed in the Hawkesbury Gazette on the 6th February 2019.

CALL FOR REGISTRATIONS - ABORIGINAL HERITAGE

Aboriginal community consultation a proposed development of New school at Marsden Park, NSW

Mode Design (Level 5, 111-117 Devonshire Street, Surry Hills) on behalf of the Department of Education are proposing development of New school at Marsden Park, NSW.

The development will include construction of new buildings and associated services and landscaping.

Aboriginal people with cultural knowledge relevant to determining the significance of Aboriginal objects and/or places in the vicinity of these proposed works are invited to register an interest in the process of community consultation.

An Aboriginal Cultural Heritage Assessment (ACHA) is required as part of the Secretary's Environmental Assessment Requirements (SEARs) for the project. The purpose of community consultation with Aboriginal people is to assist with the preparation of an ACHA and, if required, the preparation of an Aboriginal Heritage Impact Permit (AHIP) for these works. Consultation would also assist the NSW Office of Environment and Heritage to consider and determine an AHIP, should one be required.

Please register interest before 5 pm on 20th February 2019 to:

Archaeological Management and Consulting Group
122c Percival Road, Stanmore 2048
Or
via email:
consultation@archaeological.com.au

1.1.3 Agency Responses

The following responses from agencies were received.

1.1.3.1 Greater Sydney Local Land Services



Tue 5/02/2019 4:27 PM

Den Barber <den.barber@lls.nsw.gov.au>

Preparation of Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land at Lot 111, DP 1190510 at Marsden Park NSW 2765

To Consultation@archaeological.com.au



You forwarded this message on 6/02/2019 8:16 AM.

Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Dear Benjamin Streat,

Re: Preparation of Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land at Lot 111, DP 1190510 at Marsden Park NSW 2765

Thank you for your letter dated 9 January 2019, requesting assistance with identifying Aboriginal stakeholder groups or persons who may have an interest in your project area.

Greater Sydney Local Land Services (GS LLS) acknowledges that Local Land Services have been listed in *Section 4.1.2 (g) of the Aboriginal cultural heritage consultation requirements for proponents 2010*, under *Part 6, National Parks and Wildlife Act 1974* as a source of information to obtain the "names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places".

GS LLS is a partner with many Aboriginal communities in the region on many natural resource management (NRM) projects. However, GS LLS is not the primary source for contacting or managing contact lists for Aboriginal communities or persons that may inform or provide comment on planning issues. GS LLS considers cultural heritage issues that relate to land-use planning in general and only considers culture and heritage issues in the context of NRM.

We strongly recommend that you make contact with the Office of Environment and Heritage (OEH), Cultural Heritage Division, for all-inclusive contact lists of persons and organisations that may assist with your investigation.

Note: Hawkesbury Nepean Catchment Management Authority (HNCMA) no longer exists. All work previously carried out by HNCMA is now delivered by Greater Sydney Local Land Services (GS LLS).

Regards,

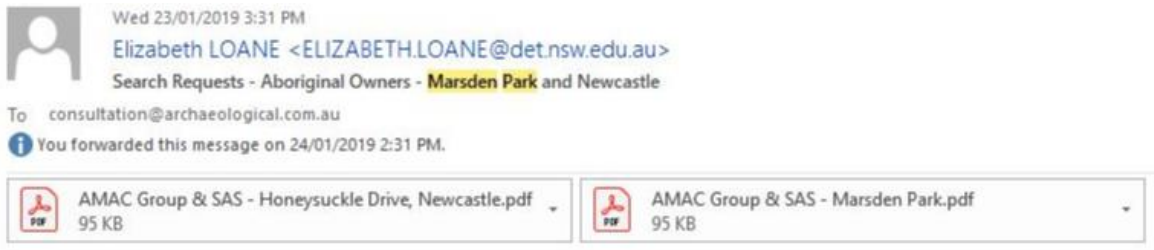
Den Barber | Land Services Officer - Aboriginal Communities
 Greater Sydney Local Land Services
 Level 4 | 2-6 Station Street | PO Box 4515 Penrith Westfield | Penrith NSW 2750
 T: 02 4724 2142 | F: 02 4724 2198 | E: den.barber@lls.nsw.gov.au
www.greatersydney.lls.nsw.gov.au

'I acknowledge Country and pay my respect to Elders, past and present'

'I acknowledge the Sky Father creator, the good ancestral spirits and Mother Earth'

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.3.2 Office of the Registrar



Dear Mr Streat,

Please see attached letters.

Kind regards,
 Liz

Elizabeth Loane
 Project Officer, Aboriginal Owners
 Office of The Registrar ALRA 1983
 Phone: 02 8633 1693
 Email: elizabeth.loane@det.nsw.gov.au
 PO Box 5068 Parramatta NSW 2124
 Website: www.oraira.nsw.gov.au

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.3.3 National Native Title Tribunal



Wed 23/01/2019 6:21 PM

Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>

NSW Search: **Marsden Park**

To 'Benjamin Streat'



You forwarded this message on 24/01/2019 2:41 PM.



Search Form_Request for Search of Tribunal Registers 2018.docx
68 KB

UNCLASSIFIED

Native title search – NSW

Your ref: **Marsden Park** - Our ref: N/A

Change of e-mail address for Geospatial Searches

To ensure your search requests are received and processed in a timely manner, please forward to GeospatialSearch@NNTT.gov.au with a *completed search request form*. The form is available from the Tribunal's website at this address: <http://www.nntt.gov.au/News-and-Publications/Pages/Forms.aspx>

Dear Benjamin Streat,

Thank you for your search request received on 23 January 2019. To enable us to complete the search appropriately and adequately, please fill out the attached search form and return to us via GeospatialSearch@NNTT.gov.au

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

Cultural Heritage Searches in NSW

The National Native Title Tribunal (the Tribunal) has undertaken steps to remove itself from the formal list of sources for information about indigenous groups in development areas. The existence or otherwise of native title is quite separate to any matters relating to Aboriginal cultural heritage. Information on native title claims, native title determinations and Indigenous Land Use Agreements is available on the Tribunal's website.

Interested parties are invited to use Native Title Vision (NTV) the Tribunal's online mapping system to discover native title matters in their area of interest. Access to NTV is available at <http://www.nntt.gov.au/assistance/Geospatial/Pages/NTV.aspx> Training and self-help documents are available on the NTV web page under "Training and help documents". For additional assistance or general advice on NTV please contact GeospatialSearch@NNTT.gov.au

Additional information can be extracted from the Registers available at <http://www.nntt.gov.au/searchRegApps/Pages/default.aspx>

If you have any further queries, please do not hesitate to contact us on the free call number 1800 640 501.

Regards,

Geospatial Searches

National Native Title Tribunal | Perth

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.3.4 Office of Environment & Heritage



Fri 25/01/2019 9:58 AM

Barry Gunther <Barry.Gunther@environment.nsw.gov.au>

OEH Aboriginal Consultation Stakeholder - Public School at Marsden Park

To benjaminstreat@archaeological.com.au

Cc consultation@archaeological.com.au



Hi Benjamin,

Please find attached the OEH Aboriginal Consultation Stakeholder List requested by you for the new Public School at Marsden Park NSW.

If you wish to discuss this letter please contact me on the number below.

Regards

Barry Gunther
Aboriginal Heritage Planning Officer
www.environment.nsw.gov.au



Office of
Environment
& Heritage

Greater Sydney Branch
Communities and Greater
Sydney Division

10 Valentine Avenue, Parramatta 2150
PO Box 644, Parramatta 2124
T 02 88376394



Our reference: Doc1580618

Benjamin Streat
Senior Archaeologist
AMAC Group and SAS
122c Percival Road
Stanmore 2048

Dear Benjamin,

Thank you for your letter dated 9th January 2019 to the Office of Environment and Heritage (OEH) regarding obtaining a list of the Aboriginal stakeholders that may have an interest in the proposed development for a new Public School at Marsden Park, NSW.

Please find attached the list of Aboriginal stakeholders known to OEH that may have an interest in the project.

As the Department of Planning and Environment is the approval authority for this project, the consultation process should be in accordance with the relevant guidelines as stipulated by the Department of Planning and Environment.

If you wish to discuss any of the above matter further please email gs.ach@environment.nsw.gov.au.

Yours sincerely

S. Harrison 25/01/19

Susan Harrison
Senior Team Leader Planning
Greater Sydney Branch
Communities and Greater Sydney Division

PO Box 644 Parramatta, NSW 2124
Level 12, 10 Valentine Avenue Parramatta NSW 2150
Tel: (02) 9666 5477
ABN 30 841 387 271
www.environment.nsw.gov.au

Doc 19/60618

AMAC Group & SAS

Office of Environment & Heritage
 Planning and Heritage Department
 PO Box 644
 Parramatta NSW 2124

AMAC Group &
 Street Archaeological Services
 122c Percival Road,
 Stanmore, 2048
 (02) 9568 6063
consultation@archaeological.com.au
 5th January 2019

Dear Sir or Madam

**Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation
 for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales
 2765**

Archaeological Management and Consulting Group (AMAC) in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111 DP 1190510, Marsden Park New South Wales. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

As per the Office of Environment, and Heritage [sic] Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, we are required to contact OEH, in order to identify any registered Aboriginal stakeholder groups who may have an interest in the project.

Could you please provide the contact details of any registered Aboriginal community groups or individuals who may have an interest in the assessment.

Yours sincerely,

SSD,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)

— mobile = 0405455869



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd
 122c Percival Road, Stanmore NSW 2048
 (02) 9568 6063
consultation@archaeological.com.au

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

LIST OF ABORIGINAL STAKEHOLDERS FOR THE GREATER SYDNEY BRANCH HELD BY OEH FOR THE PURPOSES OF THE ABORIGINAL CULTURAL HERITAGE CONSULTATION REQUIREMENTS FOR PROPONENTS 2010

These lists are provided to proponents in accordance with section 4.1.2 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (the "Consultation Requirements") which commenced on 12 April 2010.

The consultation process involves getting the views of, and information from, Aboriginal people and reporting on these. It is not to be confused with other field assessment processes involved in preparing a proposal and an application. Consultation does not include the employment of Aboriginal people to assist in field assessment and/or site monitoring. Aboriginal people may provide services to proponents through a contractual arrangement however, this is separate from consultation. The proponent is not obliged to employ those Aboriginal people registered for consultation. Consultation as per these requirements will continue irrespective of potential or actual employment opportunities for Aboriginal people.

A copy of the Consultation Requirements can be found on the OEH website at: <http://www.environment.nsw.gov.au/resources/cultureheritage/commconsultation/09781ACHconsultreg.pdf>.

Under the Consultation Requirements, a proponent is required to provide Aboriginal people who hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places as relevant to the proposed project area, with an opportunity to be involved in consultation. Section 3.3.1 of the Consultation Requirements states that Aboriginal people who can provide this information are, based on Aboriginal lore and custom, the traditional owners or custodians of the land that is the subject of the proposed project.

The Consultation Requirements also state that:

Traditional owners or custodians with appropriate cultural heritage knowledge to inform decision making who seek to register their interest as an Aboriginal party are those people who:

- *continue to maintain a deep respect for their ancestral belief system, traditional lore and custom*
- *recognise their responsibilities and obligations to protect and conserve their culture and heritage and care for their traditional lands or Country*
- *have the trust of their community, knowledge and understanding of their culture, and permission to speak about it.*

Please note: the placement of an organisation's name on any OEH Aboriginal stakeholder list for the Consultation Requirements does not override a proponent's requirement to also advertise in the local newspaper and to seek from other sources the names of any other Aboriginal people who may hold cultural knowledge as required under clause 80C of the *National Parks and Wildlife Regulation 2009*.

How to use this list

1. Determine which Local Government Area/s (LGA/s) your project area falls into
2. Identify which organisations and individuals on the list have an interest in the LGA/s relevant to your project – identified in column 6 of the list
3. Contact the organisations/individuals who have indicated an interest in the relevant LGA/s and invite them to register an interest in your project

Do not reproduce the attached list in publicly available reports and other documents. Your report should only contain the names of the organisations and individuals who you have invited to register an interest in your project and those who have registered as stakeholders for your project.

PLEASE NOTE: THE STAKEHOLDER LIST HAS NOT BEEN UPDATED TO INCLUDE THE RECENT COUNCIL MERGERS AND NAME CHANGES. PLEASE CONSIDER THE PRE-MERGER COUNCIL BOUNDARIES WHEN DETERMINING WHO SHOULD BE INVITED TO REGISTER FOR YOUR PROJECT.

Last update is 14th January 2019

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

3

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information
					Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	
Darug Land Observations	Jamie Workman and Anna Workman	0418 484 951 0413 687 279	daruglandobservations@gmail.com	PO Box 173, Ulladulla, NSW 2538	Ashfield Auburn Bankstown Blacktown Blue Mountains Botany Bay Burwood Camden Campbelltown Canada Bay Canterbury Fairfield Hawkesbury The Hills Holroyd Hornsby Hunter's Hill Hurstville Kogarah Ku-ring-gai Lane Cove Leichhardt Liverpool Manly Marrickville Mosman North Sydney Parramatta Penrith Pittwater Randwick Rockdale Ryde Strathfield Sutherland Sydney Warringah Waverley Willoughby Woolahra Wollondilly	
Des Dyer		0408 360 814	Not provided	18a Perigee Close, Deonside 2767	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown The Hills Shire Liverpool Parramatta	
Ken Foster		0411 818 091	Not provided	68 Australia St Matraville	Sutherland	
La Perouse Botany Bay Corporation	Yvonne Simms	04660 94491	Fax (02) 9311 3440	10 Murrong Place, La Perouse NSW 2036	Sutherland	
Norma Simms		04660 94491	Not provided	10 Murrong Place, La Perouse NSW 2036	Sutherland	
Matthew and Andrew Coe		(08)83442196	Not provided	37 Deranger Avenue, Collingswood, South Australia 5081	Sutherland	
Gundungarra Aboriginal Heritage Association Inc	Merl Williams	02 4757 3223	Not provided	PO Box 31, Lawson NSW 2783	Blue Mountains	
Gundungarra Tribal Council Aboriginal Corporation	Sharon Brown	02 4729 3713	Not provided	PO Box 7244, Leura NSW 2780	Blue Mountains	
Trevor Robinson		Not provided	Not provided	PO Box 73, Peak Hill, NSW 2869	Blue Mountains	

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

4

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information
Tania Matthews		0409 193 612/ (02) 67924038	aboriginalhistoryhunter@gmail.com	U2 11 Walowa Street, Narrabri, NSW 2390	Blue Mountains	
A1 Indigenous Services	Carolyn Hickey	0411 650 057	cazadirect@live.com	10 Marie Pitt Place Glenmore Park 2745 NSW.	Blue Mountains Ashfield Auburn Bankstown Blacktown Blue Mountains Botany Bay Burwood Camden Campbelltown Canada Bay Centenary Fairfield Hawkesbury The Hills Holroyd Hornsby Hunter's Hill Hurstville Kogarah Ku-ring-gai Lane Cove Leichhardt Liverpool Manly Marrickville Mosman North Sydney Parramatta Penrith Pittwater Randwick Rockdale Ryde Strathfield Sutherland Sydney Warringah Waverley Willoughby Woolahra Wollondilly	Carolyn is Wonnarua
Cubbitch Barta	Glenda Chalker	0427 218 425	Not provided	55 Nightingale Rd, Pheasants Nest NSW 2574	Camden Campbelltown	Liverpool Wollondilly
	Rebecca Chalker	Not Provided	Not provided	89 Menangle street, Picton 2571		

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
Eric Keidge		04311 66423	Not provided	11 Olsson Close Hornsby Heights NSW 2077	The Hills Shire Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Burwood Ashfield Auburn Canada Bay	Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	
Gunjeewong Cultural Heritage Aboriginal Corporation	Cherie Carroll Turise	(02) 6355 4110 0456 116 406	cheriecarroll68@yahoo.com	1 Bellvue Place, Portland NSW, 2847	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	Cherie is a Ngunnawal Elder however lived in the Western Sydney area during her childhood. She recognises she is not from the area but has associations
	Contact details have changed as the above contact details have been hacked as of January 2018	0438 428 605 or 0409 558 846	Gunjeewong53@hotmail.com				
Merrigam Indigenous Corporation	Shaun Carroll	0435 040 642	Not provided	GPO Box 156, Canberra City, ACT, 2601	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	Shaun is Ngunnawal and is Cherie's brother. NOTE: It has been reported to OEH that the contact details for this group are incorrect; however, OEH has not been provided with revised contact details.
Corroboree Aboriginal Corporation	Steve Johnson	0406 991 221	Not provided	PO Box 3340, Rouse Hill, NSW 2155	Western Sydney Camden	Campbelltown Parramatta	Ngunnawal and lives in Western Sydney
Murra Bidgee Mullangari Aboriginal Corporation	Darleen Johnson	0490 051 102	Not provided	PO Box 246, Seven Hills, NSW, 2147	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	Ngunnawal and lives in Western Sydney
Muragadi Heritage Indigenous Corporation	Jesse Johnson	0447 970 049	Not provided	5 Hession Road, Nelson, NSW 2765	Western Sydney Camden	Campbelltown Parramatta	Ngunnawal and lives in Western Sydney
Bidjawang Aboriginal Corporation	James Carroll	0433 224 324	Not provided	PO Box 124, Round Corner, NSW 2158	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	
Phil Kahn		0434 545 982	Not provided	78 Forbes Street, Emu Plains, NSW 2750	Hawkesbury Blacktown Penrith Fairfield Holroyd	Camden Campbelltown Liverpool Parramatta	
Wurrumay Consultancy	Kerrie Slater	0423 935 556	wurrumay@hotmail.com ; Vicki.slater@hotmail.com	89 Pyramid street, Emu Plains NSW	Hawkesbury Blacktown	Camden Campbelltown	

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information
					Penrith Fairfield Holroyd Liverpool Parramatta Wollondilly	
Warragil Cultural Services	Aaron Slater (Manager)	0481 280 087	Warragil_c.s@hotmail.com		Hawkesbury Blacktown Penrith Fairfield Holroyd Liverpool Parramatta	
Kawul Cultural Services	Vicky Slater (Manager)	0431 720 887	Vicki.slater@hotmail.com	89 Pyramid Street, Emu Plains NSW 2750	Hawkesbury Blacktown Penrith Fairfield Holroyd Blue Mountains Sutherland Liverpool	Camden Campbelltown Parramatta Wollondilly The Hills Shire Auburn Bankstown
Tocomwall	Scott Franks	0404 171 544	Not provided	PO Box 76, Caringbah NSW 1495	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown The Hills Shire Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown	Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby
Dharawal Mens Aboriginal Corporation	Elwyn Brown	0401920982	Not provided	187 Riverside Drive, Aids NSW 2560	Camden Campbelltown	Wollondilly
Amanda Hickey Cultural Services	Amanda Hickey	0434 480 588	amandahickey@live.com.au	57 Gough st emu plains 2750	Blue Mountains Ashfield Auburn Bankstown Blacktown Blue Mountains Botany Bay Burwood Camden Campbelltown Canada Bay Canterbury Fairfield Hawkesbury The Hills Holroyd	Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Liverpool Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Address	Postal	LGA's	Additional information
						Hornsby Hunter's Hill Hurstville Kogarah Ku-ring-gai Lane Cove Ryde Warringah Willoughby Penrith Parramatta Marrickville Wollondilly	
Widescope Indigenous Group	Steven Hickey and Donna Hickey	0425 230 693 (Steven) 0425 232 056 (Donna)	Not provided	73 Russell Street, Emu Plains, NSW 2750		Hawkesbury Blacktown Penrith Fairfield Holroyd Parramatta Blue Mountains	
HSB Consultants	Patricia Hampton	0424 142 216	Not provided	62 Ropes Crossing Boulevard, Ropes Crossing 2760		Hawkesbury Blacktown Penrith Fairfield Holroyd Parramatta	
Rane Consulting	Tony Williams	02 88246991	ajw1901@bigpond.com	1 Pyrenees Way Beaumont Hills NSW 2155		Hawkesbury Blacktown Penrith Fairfield Holroyd Parramatta	
Anthony Williams		0456 399 667	Not provided	Unit 2 / 24 Goodwin Street Narrabeen NSW 2101		Hawkesbury Blacktown Penrith Fairfield Holroyd Parramatta	
Dhinawan-Dhigaraa Culture & Heritage Pty Ltd	Ricky Fields	0402 942 572	dhinawan.fields@gmail.com	Not provided		Hawkesbury Blacktown Penrith Fairfield Holroyd Parramatta	
	Athol Smith	0449 665 715	Not provided	16 Yantara Place, Woodcroft, NSW, 2767		Hawkesbury Blacktown Penrith Fairfield Holroyd Parramatta	
Guruyuu	Kylie Ann Bell	Not provided	guruyuchts@gmail.com	Not provided		Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Banksstown Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.
Walbunja	Hika Te Kowhai	0402 730 812	walbunja@gmail.com	Not provided		Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information	
					Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	
Badu	Karla Lea Bond	0476 361 207	Not provided	11 Jeffery Place, Moruya, NSW 2537	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Goobah Developments	Basil Smith	0405 895 725	Not provided	66 Grantham Road, Batehaven NSW, 2536	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Wullung	Lee-Roy James Boots	0403 703 942	Not provided	54 Blackwood Street, Gerrigong, NSW, 2534	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information
					Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	
Yerramurra	Robert Parson	Not provided	yerramurra@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Nundagurri	Newton Carriage	Not Provided	nundagurri@gmail.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Murrumbul	Mark Henry	Not provided	murrumbul@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information	
					Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	
Jerringong	Joanne Anne Stewart	0422 800 184	jerringong@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Pemulwuy CHTS	Pemulwuy Johnson	0425 066 100	pemulwuyd@gmail.com	14 Top Place, Mt Annan	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown The Hills Shire Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown	Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Bilinga	Simalene Carriage	Not provided	bilingachts@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Address	Postal	LGA's	Additional information	
						Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	
Munyunga	Kaya Dawn Bell	Not provided	munyungachts@gmail.com	Not provided		Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.
Wingikara	Hayley Bell	Not provided	wingikarachts@gmail.com	Not provided		Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.
Minnamunnung	Aaron Broad	0402 526 888	Not provided	1 Waratah Avenue, Albion Park Rail NSW 2527		Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney	

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information
					Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	
Walgalu	Ronald Stewart	Not provided	walgaluachts@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Thauauira	Shane Carriage	Not provided	thauairachts@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Dharug	Andrew Bond	Not provided	dharugchts@gmail.com	Not provided	Hawkesbury Blacktown Ashfield Auburn	This group states that their boundaries (Murrin

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information	
					Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	Peoples) extend from the Hawkesbury River to the Snowy River
Bilinga Cultural Heritage Technical Services	Robert Brown	Not Provided	bilinga@mirramajah.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group is a member of the Mirramajah Group of RAPs
Gunyu Cultural Heritage Technical Services	Darlene Hoskins- McKenzie	Not Provided	gunyu@mirramajah.com management@mirramajah.com (management & administrative email address for the Mirramajah Group of RAPs).	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde	This group is a member of the Mirramajah Group of RAPs

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information	
					Canterbury Marrickville Bankstown Strathfield Randwick Woolahra	Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	
Munyunga Cultural Heritage Technical Services	Suzannah McKenzie	Not Provided	munyunga@miramajah.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group is a member of the Miramajah Group of RAPs
Mumumbul Cultural Heritage Technical Services	Levi McKenzie- Kirkbright	Not Provided	mumumbul@miramajah.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group is a member of the Miramajah Group of RAPs
Wingikara Cultural Heritage Technical Services	Wanda Kirkbright	Not Provided	wingikara@miramajah.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd	Ashfield Auburn Canada Bay Leichhardt Manly	This group is a member of the Miramajah Group of RAPs

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information	
					Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	
Gulaga	Wendy Smith	Not Provided	gulagachs@gmail.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Biamanga	Seli Storer	Not Provided	biamangachs@gmail.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information
					Strathfield Randwick Woolahra Burwood The Hills Waverly Wollondilly	
Callendulla	Corey Smith	Not Provided	cullendullachts@gmail.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
Murramarang	Roxanne Smith	Not Provided	murramarangs@gmail.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
DJMD Consultancy	Darren Duncan	0410 510 397	darrenjohnduncan@gmail.com	Not Provided	Hawkesbury Blacktown Penrith Parramatta Sydney Marrickville Strathfield Warringah Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove	Darren is associated with Metro and Deerubbin LALCs

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information	
					Willoughby Blue Mountains Burwood The Hills Ryde	Hunters Hill Hornsby Ku-Ring-Gai Pittwater	
Butucarbin Aboriginal Corporation	Jennifer Beale	(02)9632 7167	koori@ozemail.com.au	PO Box E18, Emerton, NSW 2770	Hawkesbury Blacktown Penrith Fairfield Holmyr Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	Preferred contact via email
Didge Ngunawal Clan	Lillie Carroll Paul Boyd	0428 823 944	didgegunawalclan@yahoo.com.au	7 Siskin St, Quakers Hill NSW 2763	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	
Ginninderra Aboriginal Corporation	Steven Johnson and Krystle Carroll	0406991221	Ginninderra.corp@gmail.com	PO BOX 3143 Grose Vale NSW 2754	Hawkesbury Blacktown Penrith Fairfield Holroyd	Ashfield Auburn Canada Bay Leichhardt Manly	

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Address	Postal	LGA's	Additional information
						Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra	Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly
Garrara Aboriginal Corporation	Raymond Ingre		raymond@barivu.org.au			Sutherland Liverpool Camden Campbelltown Wollondilly	
Nerrigundah	Newton Carriage	0421 253 677	nerrigundachts@gmail.com			Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woolahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly
Duncan Falk Consultancy	Duncan Falk	0406 610 644	duncanfalk@hotmail.com	34 Robinia Drive, Bowral NSW 2576		Camden Campbelltown	
Sharon Hodgetts		0405288614	sharonhodgetts@hotmail.com	21/29 Central Coast Hwy West Gosford 2250		Hawkesbury	
Wailwan Aboriginal Group	Philip Boney	0436 483 210	waarlant12@outlook.com			Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Address Postal	LGA's	Additional information
					Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly	
Guntawang Aboriginal Resources Incorporated	Wendy Morgan	0414 964 657 9601 7183	Wenissa01@hotmail.com	113 Reservoir Road Mt Pritchard NSW 2170	Camden Campbelltown Liverpool Fairfield Holroyd Wollondilly Blue Mountains	
Barking Owl Aboriginal Corporation	Mrs Jody Kulakowski (Director)	0426 242 015	barkingowlcorp@gmail.com	2-65/69 Wehiow St. Mt Druitt	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverly Wollondilly	
Yulay Cultural Services	Arika Jalomaki (Manager)	0411 048 794	yulayculturalservices@gmail.com	15 Rowley Place, Airds NSW 2560	Deerubbin LALC Tharawal LALC Gandangarra LALC	LGA's of interest not specified, rather, LALC boundaries within which the organisation wish to be consulted
Thoorga Nura	John Carriage (Chief Executive Officer)	0401 641 299	thoorganura@gmail.com	50B Hilltop Crescent, Surf Beach, 2536, NSW	Ashfield Auburn Bankstown Blacktown Blue Mountains Botany Bay Burwood Camden Leichhardt Liverpool Manly Marrickville Mosman North Sydney Parramatta Penrith	

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Address	Postal	LGA's	Additional information
						Campbelltown Canada Bay Canterbury Fairfield Hawkesbury The Hills Holroyd Hornsby Hunter's Hill Hurstville Kogarah Ku-ring-gai Lane Cove Pittwater Randwick Rockdale Ryde Strathfield Sutherland Sydney Warringah Waverley Willoughby Woollahra Wollondilly	
Barraby Cultural Services	Lee Field (Manager)	0423 906 606	barrabyculturalservices@gmail.com	6 Macgibbon Parade, Old Errol Bay, NSW	2540	Tharawal LALC Gandagarra LALC	LGAs of interest not specified, rather, LALC boundaries within which the organisation wish to be consulted
Yurrandaali Cultural Services	Bo Field (Manager)	0457 548 643	yurrandaali_cs@hotmail.com	3 Sheeran Street, Old Errol Bay NSW	2540	Tharawal LALC Gandagarra LALC	LGAs of interest not specified, rather, LALC boundaries within which the organisation wish to be consulted
Darug Boorooberongal Elders Aboriginal Corporation	Gordon Workman	0415 663 763	fax 02 9831 8868 boorooberongal@outlook.com	73 Judith Anderson Drive, Doonside NSW	2767	Ashfield Auburn Bankstown Blacktown Blue Mountains Botany Bay Burwood Camden Campbelltown Canada Bay Canterbury Fairfield Hawkesbury The Hills Holroyd Hornsby Hunter's Hill Hurstville Kogarah Ku-ring-gai Lane Cove Leichhardt Liverpool Manly Murrumbidgee Mosman North Sydney Parramatta Penrith Pittwater Randwick Rockdale Ryde Strathfield Sutherland Sydney Warringah Waverley Willoughby Woollahra Wollondilly	

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

21

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's	Additional information	
B.H. Heritage Consultants	Ralph Hampton	0435 785 138	hamptonralph46@gmail.com	184 Captain Cook Drive Willmot 2770 NSW	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Woolahra	Nola and Ralph would BOTH like to be notified of all projects	
	Nola Hampton	0401 663 531	nhampton77@gmail.com	95 Mount Ettalong Road Umina Beach 2257 NSW	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Burwood The Hills Waverley Wollondilly		
Ngambaa Cultural Connections	Karina Slater	0417861882	ngambaa-culturalconnections@hotmail.com	6 Natchez Crescent, Greenfield Park NSW 2167	Ashfield Auburn Bankstown Blacktown Blue Mountains Botany Bay Burwood Camden Campbelltown Canada Bay Canterbury Fairfield Hawkesbury The Hills Holroyd Hornsby Hunter's Hill Hurstville Kogarah Ku-ring-gai Lane Cove	Leichhardt Liverpool Manly Marrickville Mosman North Sydney Parramatta Penrith Pittwater Randwick Rockdale Ryde Strathfield Sutherland Sydney Warringah Waverley Willoughby Woolahra Wollondilly	LALC boundaries within which the organisation wish to be consulted: Deerubbin LALC Gandangarra LALC Tharawal LALC

1.1.4 Stakeholder Letter

The following letter was sent to all stakeholders who appeared on the list of any agency.

AMAC Group & SAS

AMAC Group &
 Street Archaeological Services
 122c Percival Road,
 Stanmore, 2048
 (02) 9568 6093
consultation@archaeological.com.au
 1st February 2019

To whom it may concern,

Re: Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales 2765

Archaeological Management and Consulting in conjunction with Street Archaeological Services has been commissioned by Mode Design Corp. (C/o Anupama Saha, Level 5, 111-117 Devonshire Street, Surry Hills NSW 2010) to conduct an Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1180510 at Marsden Park New South Wales 2765. The proposed development is for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development.

In recognition and respect of the role that Aboriginal people play in managing and protecting their cultural heritage and in accordance with Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010, Mode Design Corp. and AMAC Group in conjunction with SAS invite Aboriginal persons and/or organisations who hold cultural knowledge relevant to determining the cultural significance of Aboriginal object(s) and/or place(s) in the area of the proposed development, to register their interest in participating in the consultation process, regarding the Aboriginal cultural significance and archaeological assessment of the land at Marsden Park New South Wales 2765.

On account to the increase of numbers of registered stakeholders in the region, AMAC Group and SAS have developed a tender process which will be utilised for this project. This will assist in determining who will participate in the programme of test excavation. This tender will be dispatched to those who register an interest for the project and who would like to participate in the test excavation.

At present consultation is unpaid, we will be in discussion with the client regarding payment for fieldwork.

To register in being consulted about this project please contact;

122c Percival Road,
 Stanmore NSW 2048

Or via email:

consultation@archaeological.com.au

The closing date for registration is close of business 15/02/2019.

Please advise if you do not want your details forwarded to the Office of Environment and Heritage.

Yours sincerely,



Benjamin Street
 Senior Archaeologist
 (Aboriginal Heritage)



Archaeological Management & Consulting Group and Street Archaeological Services Pty Ltd

122c Percival Road, Stanmore NSW 2048
 (02) 9568 6093
consultation@archaeological.com.au

1.1.5 Registration Letters

The following registration responses were received.

1.1.5.1 Badu



Mon 11/02/2019 4:57 PM

BADU <baduchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

BADU registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Karia Bond
Chairperson and
Murrin Cultural
Heritage Knowledge
Holder of
BADU.
Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
 Marsden Park New Primary School, Marsden Park

1.1.5.2 Barraby Cultural Services



Fri 8/02/2019 12:10 PM

lee field <barrabyculturalservices@gmail.com>

Re: Registration Of Interest ACHA: Proposed Development Of New School at Marsden Park

To: AMAC consultation



Dear AMAC

Barraby Cultural Services would like to register our interest in this project.
 Please see the attached Expression Of Interest.

Kind Regards
 Lee Field



08/02/2019

AMAC
 122c Percival Road
 Stanmore NSW 2048

Re: I am writing in regards to Express my Interest to register for consultation -Aboriginal Cultural Heritage Assessment of Proposed New School, Marsden Park

Barraby Cultural Services is an Aboriginal owned company and have actively participated in the Protection of Aboriginal Cultural Heritage throughout the Sydney Basin Regions and South Coast Regions.

I on behalf of Barraby Cultural Services wish to provide you my organisation's registration of interest.

- I have completed all the tasks as directed and meet the physical labour and all the requirements listed below:

*Transects	*Wet and dry seiving	*White Card
*Monitoring	*Science excavation	*Artefacts analysis
- Barraby Cultural Services wishes to be involved in all aspects of this project such as any upcoming Consultation Meetings, heritage identification, assessment and management and Fieldwork.
- Attached are our Certificates of Currency for your records.

I have great pride in my culture and I acknowledge the lands that I live and work on and I pay my respects to the elders past and present.
 I am a active member within the Sydney and South Coast Aboriginal Communities.

Should you wish to provide further information, please do not hesitate to contact me on
 0423 906 606

Kind Regards
 Lee Field

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.3 Bidawal



Mon 11/02/2019 4:57 PM

BIDAWAL <bidawalchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC consultation

BIDAWAL registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Maria Stewart

Chairperson

Bidawal

Murrin Stakeholder

CONTACT DETAILS

Address: C/O Murrin Administrative Services

1.1.5.4 Bilinga



Mon 11/02/2019 6:44 PM

BILINGA BILINGA <bilingachts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

 If there are problems with how this message is displayed, click here to view it in a web browser.

BILINGA registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Simalene Carriage

Chairperson

Bilinga

Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.5 Bullawaya



Mon 11/02/2019 4:57 PM

Bullawaya Bullawaya <bullawaya@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To: consultation@archaeological.com.au

BULLAWAYA registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--
--

Yarma Walaawarnie

Fay Campbell
Chairperson and
Murrin Cultural
Heritage Knowledge
Holder of
BULLAWAYA.
Murrin Stakeholder

1.1.5.6 Bulling Gang Elders



Tue 12/02/2019 4:39 PM

Whane Carberry <bullinggangelders@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To: consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

Bulling Gang registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Whane Carberry
Chairperson
Bulling Gang

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.7 Curwur Murre



Mon 11/02/2019 4:57 PM

Cyril Parsons <curwurmurreelders@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

CURWUR MURRE registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Donald Parsons

Chairperson

Curwur Murre

Murrin Stakeholder

CONTACT DETAILS

Address: C/O Murrin Administrative Services

1.1.5.8 Dharug



Mon 11/02/2019 4:57 PM

DHARUG DHARUG <dharugchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

DHARUG registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

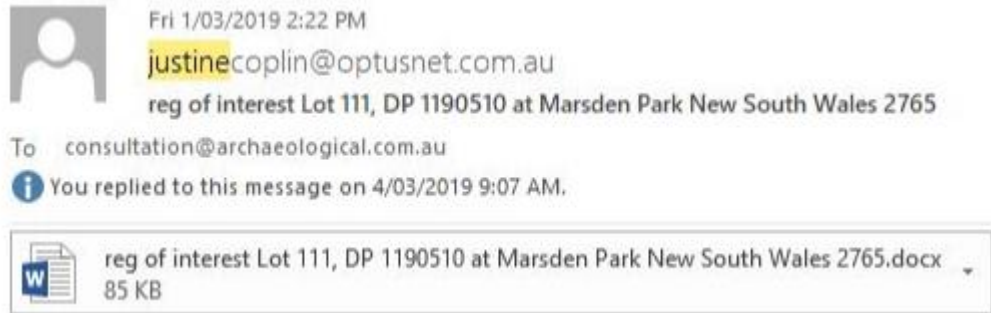
Wally Caines

Chairperson

Dharug

Murrin Stakeholder

1.1.5.9 Darug Custodian Aboriginal Corp.



Attention AMAC

Date:

Subject: Lot 111, DP 1190510 at Marsden Park New South Wales 2765

Dear Steve

Our group is a non- profit organisation that has been active for over forty years in Western Sydney, we are a Darug community group with over three hundred members. The main aim in our constitution is the care of Darug sites, places, wildlife and to promote our culture and provide education on the Darug history.

The Marsden Park area is an area that our group has a vast knowledge of, we have worked and lived in for many years, this area is significant to the Darug people due to the connection of sites and the continued occupation. Our group has been involved in all previous assessments and works in this area as a traditional owner Darug group for the past 40 plus years.

Therefore we would like to register our interest for full consultation and involvement in the above project area.


Please contact us with all further enquiries on the above contacts.

Regards

Justine Coplin

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.10 Djiringanj

 Mon 11/02/2019 4:57 PM
 DJIRINGANJ <djiringanjchts@gmail.com>
 Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

DJIRINGANJ registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.


--
Yarma Walaawarnie

Regards
 John Walker
 Chairperson
 Djiringanj
 Murrin Stakeholder


CONTACT DETAILS

Address: C/O Murrin Administrative Services

1.1.5.11 Darug Land Observations

 Thu 31/01/2019 11:46 AM
 Darug Land Observations <daruglandobservations@gmail.com>
 Expressions of Interest - Lot 111 DP 11190510, Marsden Park

To AMAC Consultation

 Expressions of Interest letter AMAC&SAS (MarsdenPark).docx
 301 KB

Hi Steve,

Please find attached Expressions of Interest for the proposed new school building at Lot 111 DP 11190510, in Marsden Park.

Look forward to working with you on this project.

Kind Regards,

Anna



**DARUG LAND
 OBSERVATIONS PTY LTD
 ABN 27 602 765 453**

**EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM
 PO BOX 173 ULLADULLA NSW 2539
 MOBILE: 0413 687 279**

31st January, 2019

Benjamin Streat
 AMAC Group & Streat Archaeological Services
 122c Percival Road
 STANMORE NSW 2048

Notification and Registration of ALL Aboriginal Interests

RE: PROPOSED NEW SCHOOL AT LOT 111 DP 11190510, MARSDEN PARK
 Aboriginal Archaeological & Cultural Heritage Assessment

Dear Benjamin,

Please be advised that Darug Land Observations Pty Ltd is seeking to be involved in any and all consultation meetings and fieldwork.

This office specialises in Aboriginal and community consultations, and has a membership that comprises of Traditional owners from the area in question. Those retain strong story, song lines, oral history and continued contact.

We would also like to state that we do not accept or support any person or organisation that are NOT from the DARUG Nation that comments regarding the said area.

Please also be advised that this Aboriginal organisation does not do volunteer work or attend unpaid meetings. I hope that you advise your client of this so that, 'This Group', will not be discriminated against and refused paid fieldwork. DLO's rate is \$440 half day (less than 4 hours) and \$880 per day (flat rate), including GST.

All correspondence should be emailed to: daruglandobservations@gmail.com and any further consultation during this project can be directed to Anna O'Hara on mobile 0413 687 279.

Yours sincerely,

Jamie Workman
 Darug Land Observations Pty Ltd

Uncle Gordon Workman
 Darug Elder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.12 Didge Ngunawal Clan



Wed 6/02/2019 2:29 PM

lilly carroll <didgengunawalclan@yahoo.com.au>

Registration

To Steven John Vasilakis

Hi Ben,

DNC would like to register an interest into land area lot 111, DP 1190510@ Marsden Park NSW 2765,

Kind regards

Paul Boyd & Lilly Carroll

Directors DNC

1.1.5.13 Elouera



Mon 11/02/2019 4:56 PM

ELOUERA <elouerachts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

ELOUERA registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

—
 Regards

James Sutton

Chairperson

Elouera

Murrin Stakeholder

C/O

Murrin Administrative Services

15 Renee Crescent

Moruya Heads, NSW 2537

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.14 Eora



Mon 11/02/2019 4:56 PM

EORA <eorachts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To: AMAC Consultation

You replied to this message on 12/02/2019 12:56 PM.

EORA registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Kahu Brennan
Chairperson
and Murrin Cultural
Heritage Knowledge
Holder of EORA.
Murrin Stakeholder

1.1.5.15 Gadung



Tue 12/02/2019 4:39 PM

Criage Wellington <gadungelders@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To: consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

Gadung registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Kathy Burns
Chairperson
Gadung
Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.16 Gangangarra



Mon 11/02/2019 6:44 PM

Kim Carriage <gangangarra@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

If there are problems with how this message is displayed, click here to view it in a web browser.

GANGANGARRA registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Kim Carriage
Chairperson
and Murrin Cultural
Heritage Knowledge
Holder of GANGANGARRA.

1.1.5.17 Golangaya



Tue 12/02/2019 4:39 PM

Adreian Connelly <golangayaelders@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

Golangaya registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Adreian Connelly
Chairperson
Golangaya
Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.18 Gulla Gunar



Tue 12/02/2019 4:39 PM

Mathew Parsons <gullagunarelders@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

Gulla Gunar registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Clayton Moore
Chairperson
Gulla Gunar
Murrin Stakeholder


1.1.5.19 Gunjeewong

4/2/19

DEAR BEN, I Received your Letter today 4/2/19
I would like to Register for ILLIP/190510 Marsden
Park NSW I lived DO Richmond RD Marsden
Park and attended Marsden Park Public School
Lake Riverstone High School, I and my Father Philip
Carroll worked at the local Poultry Farm my dad
collected eggs and I graded them, if you
do choose my Corporation for lunch you should know
that there were only 4 Carrolls that lived Marsden
Park me the eldest Carroll Cheryl Carroll and
my brother Phil & Carroll Junior Tyrone Carroll
there are only 3 members that work for my
Corporation Gunjeewong Cultural Heritage Aboriginal
Corporation I only have maybe address 1 Bellvue
Place Portland the email ben used is my
sister which is illegal I have no email

Sincerely Phil Carroll Junior

Gunjeewong Cultural Heritage Aboriginal
Corporation Aboriginal elders
only member
Cheryl Carroll Junior
Bruce Terrise
Nathan VAN Durnan



Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.20 Gunyuu

 Reply  Reply All  Forward



Mon 11/02/2019 4:56 PM

GUNYUU GUNYUU <gunyuuchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

Gunyuu registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Regards
MUNDARRA DREW
 Chairperson of Gunyuu
 Murrin Stakeholders

CONTACT DETAILS

Address: C/O Murrin Administrative Services,
 10/144 Kelly Road, Bingi, NSW
 NSW, 2537
 Phone: 0402730612
 Email: gunyuuchts@gmail.com

1.1.5.21 Kuringgai

 Reply  Reply All  Forward



Mon 11/02/2019 6:44 PM

Toni Brierley <kuringgaichts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

 If there are problems with how this message is displayed, click here to view it in a web browser.

KURINGGAI registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Toni Brierley
 Chairperson
 Kuringgai
 Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.22 Merrigarn



Wed 6/02/2019 5:35 PM

Shaun Carroll <Merrigarn@hotmail.com>

Lot 111, DP 1190510 at Marsden Park NSW-registration

To: Steven John Vasilakis

Hi Steven

I would like to register an interest in the above project, my family and members hold the cultural knowledge relevant to identifying Aboriginal objects and/or places in the project area.

Cheers

Shaun

1.1.5.23 Muragadi



Wed 6/02/2019 5:32 PM

Muragadi <muragadi@yahoo.com.au>

Lot 111, DP 1190510 at Marsden Park NSW-registration

To: consultation@archaeological.com.au

Dear Steve,

Could you please register our corporation for the above project, we have done many projects in the project area.

Kind regards

Anthony

0418970389

1.1.5.24 Munyunga



Mon 11/02/2019 6:44 PM

MUNYUNGA MUNYUNGA <munyungachts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To: consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

MUNYUNGA registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Jason Bell

Chairperson

Munyunga

Murrin Stakeholder

1.1.5.25 Murra Bidgee Mullangari

Reply Reply All Forward



Wed 6/02/2019 5:32 PM

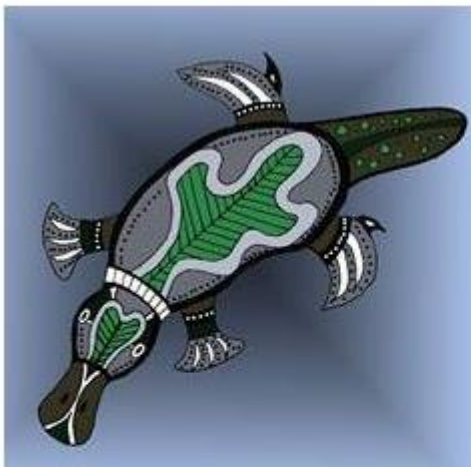
Ryan Johnson <murrabidgeemullangari@yahoo.com.au>

Lot 111, DP 1190510 at Marsden Park NSW-registration

To consultation@archaeological.com.au

Hi Steve,
 Please register our members and family for the above project.
 Kind regards

Ryan Johnson | Murra Bidgee Mullangari



Aboriginal Corporation Cultural Heritage

A: PO Box 246, Seven Hills, NSW, 2147

E: murrabidgeemullangari@yahoo.com.au

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.26 Murrin



Mon 11/02/2019 6:44 PM

Tarlarra Te Kowhai <murrinchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

If there are problems with how this message is displayed, click here to view it in a web browser.

MURRIN registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Tarlarra Te Kowhai

Chairperson

MURRIN

Murrin Stakeholder

1.1.5.27 Murrumbul



Mon 11/02/2019 6:44 PM

MURRUMBUL MURRUMBUL <murrumbul@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

MURRUMBUL registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Shane Saunders

Chairperson

Murrumbul

Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.28 Ngarigo



Mon 11/02/2019 6:45 PM

David Pittman <ngarigochts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

If there are problems with how this message is displayed, click here to view it in a web browser.

NGARIGO registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
 David Pittman
 Chairperson
 Ngarigo
 Murrin Stakeholder

1.1.5.29 Ngunawal



Mon 11/02/2019 6:45 PM

NGUNAWAL <ngunawalchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

NGUNAWAL registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
 Edward Stewart
 Chairperson
 Ngunawal

Member of the
 Murrin Group of

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.30 Nundagurri



Mon 11/02/2019 6:45 PM

Thomas Tighe <nundagurri@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To Consultation

If there are problems with how this message is displayed, click here to view it in a web browser.

NUNDAGURRI registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
 Thomas Tighe
 Chairperson
 Nundagurri
 Murrin Stakeholder

1.1.5.31 Wailwan



Sat 2/02/2019 3:03 PM

Phillip Boney <Waarlan12@outlook.com>

Marsden Park

To Steven John Vasilakis

Hi Steven,

My name is Phil Boney of Wailwan Aboriginal Group. I would like to register my interest for the Marsden Park Project. And if I am successful I look forward to working with you on future projects. If you would like my insurance and other information they are available upon request. Thank you.

With regards, Phil Boney
 Wailwan Aboriginal Group

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.32 Tharawal



Mon 11/02/2019 6:44 PM

John Carriage <tharawalchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

THARAWAL registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

John Stewart

Chairperson

Tharawal

Murrin Stakeholder

1.1.5.33 Thauaira



Tue 12/02/2019 4:39 PM

THAUAIRA <thauairchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

If there are problems with how this message is displayed, click here to view it in a web browser.

Thauaira registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Shane Davis

Chairperson

Thauaira

Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.34 Tocomwall



Fri 8/02/2019 12:57 PM
 Danny Franks <danny@tocomwall.com.au>
 Registration of Interest.

To consultation@archaeological.com.au
 Cc Ben Streat (AMAC); Scott Franks



Aboriginal Cultural Heritage Assessment lot111, DP 1190510 Marsden park.pdf
 2 MB

Dear Ben,

See attached Tocomwall's expression of interest and see below our Schedule of Rates.

Tocomwall Team Member	Activity/Task	Hourly Rate (excl. GST)	Daily Rate (excl. GST)	Daily Travel Expenses (excl. GST)
Field Coordinator	<ul style="list-style-type: none"> Participating in test excavation program Providing cultural knowledge 	\$87.50	\$700	\$50
Field Officer	<ul style="list-style-type: none"> Participating in test excavation program Providing cultural knowledge 	\$87.50	\$700	\$50
Cultural Heritage Advisor	<ul style="list-style-type: none"> Review Survey Methodology Review Draft Cultural Heritage Assessment Report Review Final Cultural Heritage Assessment Report 	\$120		

Advisor	<ul style="list-style-type: none"> Report Review Final Cultural Heritage Assessment Report 	\$120		
---------	--	-------	--	--

In the event of bad weather or other unforeseen circumstances preventing activities for continuing for greater than 4 hours, a minimum of 4 hours plus travel expenses will be charged for attendance on site

Reasonable time spent on reviewing the survey methodology, and draft and final reports has been included as part of the Field Coordinator and Field Officer rates. Where additional time is required to provide technical or cultural advice, Tocomwall reserves the right to negotiate additional costs with the client.

Regards

Danny Franks
 Cultural Heritage Manager

Tocomwall Pty Ltd
 PO Box 76
 Caringbah NSW 1495
 m: 0415226725
 p: 02 9542 7714
 f: 02 9524 4146



Tocomwall Pty Ltd
 PO Box 76 Caringbah NSW 1493
 Tel: 02 9542 7714 Fax: 02 9524 4146
 Email: info@tocomwall.com.au www.tocomwall.com.au
 ABN: 13 137 694 618

08 February 2019

Ben Streat
 Senior Archaeologist
 122c Percival Road,
 Stanmore NSW 2048
 (T): (02) 9368 6093
 Email: consultation@archaeological.com.au

Dear Ben,

RE: Aboriginal Cultural Heritage Assessment (Lot 111, DP 1190510 at Marsden Park NSW 2765)

Registration of Interest (ROI)

Thank you for your notification regarding the Registration of Interest for the opportunity to provide cultural knowledge for the above mentioned project. Tocomwall respectfully requests primary involvement in all consultation meetings and fieldwork associated with the project.

Tocomwall represents traditional owners associated with the project area and retains local knowledge and oral history that will add significant value to the Project's heritage assessment. We have no objection to our contact information being provided to the Office of Environment and Heritage or the Local Aboriginal Land Council.

Tocomwall is also able to assist with input that can be incorporated into a written assessment of cultural values of the area. We employ a well-structured team with the capacity to support all necessary field work for the project. We can provide our schedule of rates and copies of relevant certificates of currency for business insurances upon request.

Tocomwall is a small business that relies upon a consistent cash flow that ensures we can continue to fulfil our client's needs. Unfortunately, the Tocomwall team is not in a position to provide volunteer work or attend meetings on a gratuitous basis. Tocomwall respectfully requests payment terms of 14 days from date of invoice. We would appreciate a copy of the contract and terms and conditions prior to commencement of the project.

Please provide all correspondence to Danny Franks at danny@tocomwall.com.au or to the above postal address.

Should you have any further questions regarding this ROI please contact me directly on 0415 226 723.

Yours faithfully

Danny Franks
 Cultural Heritage Manager

Integrating Landscape Science & Aboriginal Cultural Knowledge for our Sustainable Future

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.35 Walbunja Elders



Tue 12/02/2019 4:39 PM

WALBUNJAELDER <walbunjaelder@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

Walbunja Elders registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Yours Truly
Dean Scott
Chairperson of
Walbunja Elders
Murrin Stakeholder

1.1.5.36 Walbunja



Mon 11/02/2019 4:56 PM

WALBUNJA <walbunja@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

Walbunja registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Hika Tekowhai
Chief Executive Officer
and Murrin Cultural
Heritage Knowledge
Holder of WALBUNJA.
Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.37 Walgalu



Tue 12/02/2019 4:39 PM

Ronald Stewart <walgaluchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC Consultation

If there are problems with how this message is displayed, click here to view it in a web browser.

Walgalu registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--
Yarma Walaawarnie

Regards
 Ronald Stewart
 Chairperson
 Walgalu
 Murrin Stakeholder

1.1.5.38 Wandandian



Tue 12/02/2019 4:39 PM

WANDANDIAN <wandandianchts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

Wandandian registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--
Yarma Walaawarnie

Regards
 William Bond
 Chairperson
 Wandandian
 Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.39 Wingikara



Tue 12/02/2019 4:39 PM

WINGIKARA WINGIKARA <wingikarachts@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To consultation@archaeological.com.au

If there are problems with how this message is displayed, click here to view it in a web browser.

Wingikara registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--
Yarma Walaawarnie

Regards
 Izahya Clay
 Chairperson
 Wingikara
 Murrin Stakeholder

1.1.5.40 Yerramurra



Tue 12/02/2019 4:39 PM

YERRAMURRA <yerramurra@gmail.com>

Preparation of an Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 Registration of Interest.

To AMAC consultation

If there are problems with how this message is displayed, click here to view it in a web browser.

Yerramurra registers an interest in the Aboriginal Cultural Heritage Assessment and possible test excavation for the area of land located at Lot 111, DP 1190510 at Marsden Park New South Wales 2765 and the proposed development for the construction of a new Public School at Marsden Park as part of the Stockland Elara Development for NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--
Yarma Walaawarnie

Regards
 Nathan Walker-Davis
 Chairperson
 Yerramurra
 Murrin Stakeholder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.41 Yulay Cultural Services



Fri 8/02/2019 12:10 PM

arika.jalomaki <yulayculturalservices@gmail.com>

Re: Registration Of Interest ACHA: Proposed Development Of New School at Marsden Park

To: AMAC consultation



EOI-MARSDENPARK.docx
4 KB

Dear AMAC

Yulay Cultural Services would like to register our interest in this project.

Please see the attached Expression Of Interest.

Kind Regards

Arika Jalomaki

YULAY CULTURAL SERVICES

ABN: 20 182 218 680
 15 Rowley place, Airds NSW 2680
 Phone: 0411 043 784 Email: yulayculturalservices@gmail.com

8th February 2019

AMAC
 122c Ferndal Road
 Stanmore NSW 2048

**RE: I am writing in regards to Express my interest to register for consultation –
 of Proposed New School, Marsden Park**

~~Yulay~~ Cultural Services is an Aboriginal owned company and I have been working within Aboriginal Heritage Work for over 8 years throughout the Hunter and Sydney Basin Regions in which I have already completed field work on the M12 and Western Sydney Airport. I would like to be given an opportunity to further my knowledge and skills where I have great experience identifying Aboriginal heritage values and I am aware of the impacts of any changes to the land uses on those values.

1. I on behalf of ~~Yulay~~ Cultural Services wish to provide you my organisation's registration of interest.
2. Attached are our Certificates of Currency for your records.
3. I have completed all the tasks as directed and meet the physical labour and all the requirements listed below
 - Transacts
 - Science excavation
 - Artefacts analysis
 - Wet and dry ~~work~~
 - Monitoring
 - White Card – On request
 - Experience in Aboriginal Cultural Heritage in Aboriginal Archaeology
 - RMS on the Hunter Expressway (18 months)
 - Various Mines in the Hunter Region
 - Local Sydney Basin - Western Sydney / South Western Sydney Regions
 - Mt Gillard Project
 - Western Sydney Airport
 - RMS – M12
 - Casual Sites Officer – ~~Through~~ Aboriginal Land Council

If you require any further information regarding this letter please don't hesitate in contacting me or the following references.

Name: Andrew Costello
 Company: SNR Archaeologist Jacob Pty Ltd
 Phone: 0458 325 345

Name: Vanessa Hardy
 Company: ~~Joseph~~
 Virtus Heritage Pty Ltd
 Phone: 02 6676 4354

Kind Regards

Arika Jalomaki

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

1.1.5.42 Yurrandaali Cultural Services



Fri 8/02/2019 12:11 PM

Bo Field <yurrandaali_cs@hotmail.com>

Re: Registration Of Interest ACHA: Proposed Development Of New School at Marsden Park

To: Steven John Vasilakis



EOI-MARSDENPARK.docx
4 KB

Dear AMAC

Yurrandaali Cultural Services would like to register our interest in this project.
Please see the attached Expression Of Interest.

Kind Regards
Bo Field

Yurrandaali Cultural Services

ABN: 52 618 794 088

11 Waterhouse Place

Airns NSW 2560

T: 0403 048 283

E: yurrandaali_cs@hotmail.com

08/02/2019

AMAC
122c Percival Road
Stanmore NSW 2048

**Re: I am writing in regards to Express my Interest to register for consultation -
Aboriginal Cultural Heritage Assessment of Proposed New School, Marsden Park**

Yurrandaali Cultural Services is an Aboriginal owned company and we have been working with Aboriginal Cultural Heritage Work for over 10 years throughout the South Coast and Sydney Basin Regions.

Yurrandaali Cultural Services would like to express our registration of interest for this project.

1. Yurrandaali Cultural Services wishes to be involved in all aspects of this project such as any upcoming Consultation Meetings, heritage identification, assessment and management and Fieldwork.
2. Attached are our Certificates of Currency for your records.
3. I have completed all the tasks as directed and meet the physical labour and all the requirements listed below
 - Transects
 - Science excavation
 - Artefacts analysis
 - Wet and dry sieving
 - Monitoring
 - White Card –
 - Experience in Aboriginal Cultural Heritage in Aboriginal Archaeology

I have great pride in my culture and I acknowledge the lands that I live and work on and I pay my respects to the elders past and present.
I am an active member within the Sydney Region & South Coast Aboriginal Communities.

Kind Regards

Bo Field

1.1.5.43 RAP Registration via Phone and/or Verbal

On the 5th February 2019, Phil Khan verbally registered Kamilaroi Yankuntjatjara Working Group.

On the 8th February 2019, Celestine Everingham phoned to register Darug Aboriginal Cultural Heritage Assessments.

2.0 STAGE TWO AND THREE: PRESENTATION OF INFORMATION ABOUT THE PROPOSED PROJECT AND GATHERING INFORMATION ABOUT CULTURAL SIGNIFICANCE

The following consultation log and supporting documentation is used to demonstrate that stages two and three of Part 6; National Parks and Wildlife Act Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010) have been fulfilled with regards to the proposed State Significant Development Application (SSD-9809) for the New Marsden Park Primary School at the corner of Northbourne Drive (to the east) and a proposed future road (to the north) within the Elara Estate, Marsden Park (the site).

2.1 DISPATCH ACHA AND TEST EXCAVATION METHODOLOGY

On 22nd March 2019 the following email (sample) was sent to all RAPs and posted to Celestine Everingham of Darug Aboriginal Cultural Heritage Assessments. Attached was the draft of the Aboriginal Cultural Heritage Assessment (ACHA) and Research Design and Test Excavation Methodology for review and comment with the deadline for comment submission 19th April 2019.

2.1.1 Original dispatch notice of ACHA research design and test excavation methodology



Fri 22/03/2019 3:12 PM

Steven John Vasilakis <consultation@archaeological.com.au>

Marsden Park - Meth

To 'Darug Land Observations'

Cc 'Ben Streat (AMAC)'; 'amacarch@gmail.com'



ACHA_Meth (Draft v.1.1).pdf
2 MB

Hi Anna,

Re: Aboriginal Cultural Heritage Assessment - Research Design and Testing Methodology for an area of land located at Lot 111/DP1190510, Richmond Road, Marsden Park New South Wales.

Please find attached the ACHA & Research Design and Testing Methodology for the New Marsden Park Public School Subdivision for review and comment.

The closing date for review and comments for the ACHA Methodology is the **19th April 2019**.

Please forward comments and submissions to:

122c Percival Road,
Stanmore NSW 2048

Or via email:

consultation@archaeological.com.au

All Best,

Steve

Steven J. Vasilakis
Archaeologist
Aboriginal Cultural Heritage

AMAC Group
Archaeological Management & Consulting Group Pty Ltd

122c-d Percival Road
Stanmore NSW 2048

Phone: (02) 9568 6093
Fax: (02) 9568 6093
Mobile: 0428 682 981

www.archaeological.com.au

ATTENTION: The contents of this email are private and confidential and intended for the named recipient(s) only. If you are not the named recipient(s) and receive this correspondence accidentally, you must not copy, distribute or

2.2 INITIAL RESPONSE TO ACHA & TEST EXCAVATION METHODOLOGY

2.2.1 Darug Land Observations



Tue 9/04/2019 7:17 PM

Darug Land Observations <daruglandobservations@gmail.com>

Re: Marsden Park - Meth

To Steven John Vasilakis



AHIP Comments letter AMAC (MarsdenPark).docx
290 KB

Hi Steve,

Please find attached letter in reply to the draft ACHA: Research Design & Testing Methodology for the proposed new Marsden Park Public School, located off Richmond Road, in Marsden Park.

Look forward to working with you on this project.

Kind Regards,

Anna



**DARUG LAND
 OBSERVATIONS PTY LTD**
 AEN 27 602 765 453

EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM
 PO BOX 173 ULLADULLA NSW 2539
 MOBILE: 0412 887 279

9th April, 2019

Steve Vasilakis
 Archaeological Management & Consulting Group and
 Streat Archaeological Services
 122C Percival Road
 STANMORE NSW 2048

Dear Steve,

**RE: LOT 111 DP 1190510 – NEW MARSDEN PARK PUBLIC SCHOOL,
 OFF RICHMOND ROAD, MARSDEN PARK**

**Aboriginal Cultural Heritage Assessment: Research Design & Testing
 Methodology**

Darug Land Observations Pty Ltd has reviewed the draft Aboriginal Cultural Heritage Assessment: Research Design & Testing Methodology, and supports the methodology for the proposed new Marsden Park Public School of Lot 111 DP 1190510, located off Richmond Road, in Marsden Park.

In relation to the long-term storage of recovered artefacts, if any, we strongly agree that recovered artefacts should be reburied on Country (study area).

Furthermore, we would like to be involved in the field survey, archaeological test excavations, topsoil removal and/or all other forms of works to be carried out on the site.

Look forward to working with you on this project.

Yours sincerely,

Jamie Workman
 Darug Land Observations Pty Ltd

Uncle Gordon Workman
 Darug Elder

2.2.2 Murra Bidgee Mullangari



Wed 3/04/2019 4:45 PM

Ryan Johnson <murrabidgeemullangari@yahoo.com.au>

RE: Marsden Park - Meth

To: 'Steven John Vasilakis'

Hi Steve,

I have read the project information and methodology for the Marsden Park project, I endorse the recommendations made by AMAC.

Kind regards

Ryan Johnson | **Murra Bidgee Mullangari**
0475565517



Aboriginal Corporation Cultural Heritage

2.2.3 Darug Custodian Aboriginal Corp.



DARUG CUSTODIAN
 ABORIGINAL
 CORPORATION

PO BOX 81 WINDSOR 2756
 PHONE: 0245775181 FAX: 0245775098
 MOBILE: 0415770163 Leanne Watson
 0414963766 Justine Coplin
 EMAIL: mulgokiw@bigpond.com / justinecoplin@ccjusa.net.au

Attention: AMAC

Date: 04/04/18

Subject: Lot 111/DP1190510, Richmond Road, Marsden Park New South Wales.

Dear Steve

Our group is a non- profit organisation that has been active for over forty years in Western Sydney, we are a Darug community group with over three hundred members. The main aim in our constitution is the care of Darug sites, places, wildlife and to promote our culture and provide education on the Darug history.

Our group promotes Darug Culture and works on numerous projects that are culturally based as a proud and diverse group. It has been discussed by our group and with many consultants and researches that our history is generic and is usually from an early colonists perspective or solely based on archaeology and sites. These histories are adequate but they lack the people's stories and parts of important events and connections of the Darug people and also other Aboriginal people that now call this area home and have done so for numerous generations.

This area is significant to the Darug people due to the evidence of continued occupation, within close proximity to this project site there is a complex of significant sites.

Landscapes and landforms are significant to us for the information that they hold and the connection to Darug people. Aboriginal people (Darug) had a complex lifestyle that was based on respect and belonging to the land, all aspects of life and survival did not impact on

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

the land but helped to care for and conserve land and the sustenance that the land provided. As Darug people moved through the land there were no impacts left, although there was evidence of movement and lifestyle, the people moved through areas with knowledge of their areas

and followed signs that were left in the landscape. Darug people knew which areas were not to be entered and respected the areas that were sacred.

Knowledge of culture, lifestyle and lore have been part of Darug people's lives for thousands of years, this was passed down to the next generations and this started with birth and continued for a lifetime. Darug people spent a lifetime learning and as people grew older they passed through stages of knowledge, elders became elders with the learning of stages of knowledge not by their age, being an elder is part of the kinship system this was a very complicated system based on respect.

Darug sites are all connected, our country has a complex of sites that hold our heritage and past history, evidence of the Darug lifestyle and occupation are all across our country, due to the rapid development of Sydney many of our sites have been destroyed, our sites are thousands of years old and within the short period of time that Australia has been developed pre contact our sites have disappeared.

The *Aboriginal cultural heritage consultation requirements for proponents* Section 4.1.8 refers to "Aboriginal organisations representing Aboriginal people who hold cultural knowledge". Recent consultation meetings have revealed that many of these Aboriginal organisations and individuals do not hold cultural knowledge of the Western Sydney area. The increasing involvement of such parties in cultural heritage management means that genuine local Aboriginal organisations are unable to properly care for our cultural heritage.

Many Aboriginal organisations listed in the OEH response letter do not contribute to the Aboriginal community of Western Sydney. Individuals listed in the OEH response letter do not represent the community and while they may be consulted with, should not be employed for their own personal financial benefit.

Our organisation is committed to providing benefits back to our local Aboriginal community through such measures as funding the local Aboriginal juniors' touch football team, painting classes for the local children and donating money to various charities. Employment in cultural heritage activities is source of income that organisations such as ours can use to contribute to beneficial activities and support within the community.

Darug custodian Aboriginal Corporation's site officers have knowledge of Darug land, Darug ~~Culture~~ Oral histories, landforms, sites, Darug history, wildlife, flora and legislative requirements. We have worked with consultants and developers for many years in Western

Sydney (Darug Land) for conservation, site works, developments and interpretation/education ~~strategies~~ strategies.

Darug Custodian Aboriginal Corporation have received and reviewed the report for
 Lot 111/DP1190510, Richmond Road, Marsden Park New South Wales.

We support the recommendations set out in this report.

Please contact us with all further enquiries on the above contacts.

Regards



Justine Coplin

2.2.4 Merrigarn Indigenous Corporation



Tue 26/03/2019 11:53 AM
Shaun Carroll <Merrigarn@hotmail.com>
RE: Marsden Park - Meth

To Steven John Vasilakis

You replied to this message on 29/03/2019 12:14 PM.

Hi Steve,

I have read the project information and testing methodology for the above project, I agree with the recommendations made by AMAC, please feel free to contact me via email if you require further details.

Kind regards

Shaun Carroll

2.2.5 Muragadi Heritage Indigenous Corporation



Tue 26/03/2019 12:08 PM
Muragadi <muragadi@yahoo.com.au>
RE: Marsden Park - Meth

To 'Steven John Vasilakis'

Dear Steven,

I have read the ACHA – Research Design and Testing Methodology for the Marsden park project, I endorse the recommendations made by AMAC, please contact me if you require further details.

Kind regards

Anthony

0418970389

2.2.6 Tocomwall



Tue 26/03/2019 1:08 PM
Danny Franks <danny@tocomwall.com.au>
Re: Marsden Park - Meth

To Steven John Vasilakis

Cc 'Ben Streat (AMAC)'; amacarch@gmail.com; Scott Franks

Dear Steven,

I personally like the Foley Hunter gatherer concept referenced in **figure 6-3, pg 30** But it only sheds light on the material concept. Intangible factors located in prominent landscape features are also present most of the time and these specific values can only be brought forward from the gained trust of the community, and obviously if those community members have retained any information over the generations.

In reference to **8.2 TEST EXCAVATION METHODOLOGY**

Tocomwall Pty Ltd supports the recommendation put forward to analyse the landscape further during a Testing phase.

9.0 PROPOSED CONSULTATION STRATEGY

Looks compliant to me.

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

I can provide our Company Insurances and Schedule of Rates as I would like to have Tocomwall Pty Ltd Commercially engaged on this project to assist AMAC during the testing and possible salvage phase of this project.

Regards,

Danny Franks
 Cultural Heritage Manager
 Tocomwall Pty Ltd
 M-0415226725



2.2.7 Darug Aboriginal Cultural Heritage Assessments



Fri 5/04/2019 2:00 PM

Kelly Strickland <kellystrickland@archaeological.com.au>

RAP feedback

To: Ben Streat (AMAC)

Cc: 'Steven John Vasilakis'

 You replied to this message on 5/04/2019 2:23 PM.

Hi Ben, Steve,

Celestine Everingham just called the office for you. She just wanted pass on the messaged that they are happy with the Research Design and Methodology for Richmond Road, **Marsden Park**. She said no need to call her back but if you want to her number is 94103665.

Have a good weekend!

Kelly Strickland
Archaeologist

3.0 STAGE FOUR: REVIEW OF DRAFT CULTURAL HERITAGE ASSESSMENT REPORT

The following consultation log and supporting documentation is used to demonstrate that stage four of Part 6; National Parks and Wildlife Act Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010) have been fulfilled. Aboriginal Cultural Heritage Assessment drafts were sent to all stakeholders via email/post on the 11th July 2019.

3.1 DISPATCH ACHA DOCUMENT

On the 11th July 2019, the following email (sample) was sent to all RAPs and posted to Celestine Everingham of Darug Aboriginal Cultural Heritage Assessments. Attached was a draft of the Aboriginal Cultural Heritage Assessment (ACHA) for review and comment with the deadline for comments submission on the 8th August 2019.

3.1.1 Original Dispatch notice of ACHA report



Good Morning,

Re: Aboriginal Cultural Heritage Assessment and possible test excavation for an area of land located at Lot 2889 DP1230906, New Marsden Park Public School, at Marsden Park New South Wales 2765

Please find attached the ACHA for the New Marsden Park School for review and comment.

The closing date for review and comments for the ACHA is the 8th August 2019.

Please forward comments and submissions to:

122c Percival Road,
Stanmore NSW 2048

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

Or via email:

consultation@archaeological.com.au

All Best,

Steve

Steven J. Vasilakis
Archaeologist
Aboriginal Cultural Heritage

AMAC Group
Archaeological Management & Consulting Group Pty Ltd

122c-d Percival Road
Stanmore NSW 2048

Phone: (02) 9568 6093
Fax: (02) 9568 6093
Mobile: 0428 682 981

www.archaeological.com.au

ATTENTION: The contents of this email are private and confidential and intended for the named recipient(s) only. If you are not the named recipient(s) and receive this correspondence accidentally, you must not copy, distribute or take any action in relation to or with reliance on said and you should delete it from your computer(s) at once and notify the sender at once.

3.2 RESPONSE TO ACHA REPORT


3.2.1 Merrigarn Indigenous Corp.

 Thu 11/07/2019 12:29 PM
 Shaun Carroll <Merrigarn@hotmail.com>
 RE: Marsden Park School - ACHA
 To: Steven John Vasilakis

Hi Steve,
 I have read the ACHA for the Marsden Park School and agree with your recommendations.
 Kind regards
 Shaun Carroll
 0498696317

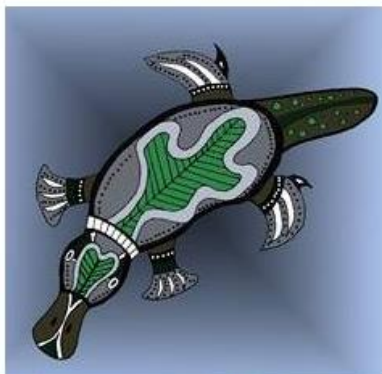
Sent from [Mail](#) for Windows 10

3.2.2 Murra Bidgee Mullangari Aboriginal Corporation

 Thu 11/07/2019 11:06 AM
 Ryan Johnson <murrabidgeemullangari@yahoo.com.au>
 RE: Marsden Park School - ACHA
 To: 'Steven John Vasilakis'

Hi Steve,
 I have read the project information and ACHA for the Marsden Park School, I endorse the recommendations made.
 Thanks

Ryan Johnson | **Murra Bidgee Mullangari**



Aboriginal Corporation Cultural Heritage

3.2.3 Muragadi Heritage Indigenous Corporation



Thu 11/07/2019 1:06 PM

Muragadi <muragadi@yahoo.com.au>

RE: Marsden Park School - ACHA

To 'Steven John Vasilakis'

Hi Steve

I have read the ACHA for the Marsden Park School and endorse your recommendations.

Thanks

Anthony

0418970389

3.2.4 Badu



Mon 22/07/2019 11:38 PM

BADU <baduchts@gmail.com>

Re: Marsden Park School - ACHA Responses

To Steven John Vasilakis

I agree with the ACHA and you have my full support, can you please put my stakeholder on the roster for the test excavation.

3.2.5 Darug Land Observations



Wed 24/07/2019 3:14 PM

Darug Land Observations <daruglandobservations@gmail.com>

Re: Marsden Park School - ACHA

To Steven John Vasilakis



Hi Steven,

Please find attached letter in reply to the draft Aboriginal Cultural Heritage Assessment for the proposed new Marsden Park Public School, located on Richmond Road, in Marsden Park.

Look forward to working with you on this project.

Kind Regards,

Anna



**DARUG LAND
OBSERVATIONS PTY LTD
ABN 27 602 765 453**

EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM
PO BOX 173 ULLADULLA NSW 2539
MOBILE: 0413 687 279

24th July, 2019

Steve Vasilakis
Archaeological Management & Consulting Group and
Streat Archaeological Services
122C Percival Road
STANMORE NSW 2048

Dear Steve,

**RE: LOT 2889 DP 1230906 - NEW MARSDEN PARK PUBLIC SCHOOL,
RICHMOND ROAD, MARSDEN PARK**

Aboriginal Cultural Heritage Assessment

Darug Land Observations Pty Ltd has reviewed the draft Aboriginal Cultural Heritage Assessment and supports the methodology for the proposed new Marsden Park Public School, of Lot 2889 in DP 1230906, located at Richmond Road, in Marsden Park.

In relation to the long-term storage of recovered artefacts, if any, we strongly believe that recovered artefacts should be reburied on Country (study area).

Furthermore, we would like to be involved in the archaeological test excavations, topsoil removal and/or all other forms of works to be carried out on the site.

Look forward to working with you on this project.

Yours sincerely,

Jamie Workman
Darug Land Observations Pty Ltd

The Late Uncle Gordon Workman
Darug Elder

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

3.2.6 Darug Custodian Aboriginal Corp.



Fri 19/07/2019 1:19 PM

justinecoplin@optusnet.com.au

Lot 2889 DP1230906 New Marsden Park Public School Richmond Road Marsden Park, NSW (Blacktown LGA)

To Steven John Vasilakis



Lot 2889 DP1230906 New Marsden Park Public School Richmond Road Marsden Park, NSW (Blacktown LGA) .docx
87 KB



CMLC250-2019-25-14[73186] 2020.pdf
88 KB



Workers Insurance Certificate of Currency 2019 20.pdf

Hi Steve

Insurances are attached

Thanks

Justine



DARUG CUSTODIAN
 ABORIGINAL
 CORPORATION

PO BOX 81 WINDSOR 2756
 PHONE: 0245775181 FAX: 0245775098
 MOBILE: 0414962766 Justine Coplin
 EMAIL: justinecoplin@optusnet.com.au

Attention: AMAC

Date: 19/07/19

Subject: Lot 2889 DP1230906 New Marsden Park Public School Richmond Road Marsden Park, NSW

Dear Steve

Our group is a non-profit organisation that has been active for over forty years in Western Sydney, we are a Darug community group with over three hundred members. The main aim in our constitution is the care of Darug sites, places, wildlife and to promote our culture and provide education on the Darug history.

Our group promotes Darug Culture and works on numerous projects that are culturally based as a proud and diverse group. It has been discussed by our group and with many consultants and researches that our history is generic and is usually from an early colonists perspective or solely based on archaeology and sites. These histories are adequate but they lack the people's stories and parts of important events and connections of the Darug people and also other Aboriginal people that now call this area home and have done so for numerous generations.

This area is significant to the Darug people due to the evidence of continued occupation, within close proximity to this project site there is a complex of significant sites.

Landscapes and landforms are significant to us for the information that they hold and the connection to Darug people. Aboriginal people (Darug) had a complex lifestyle that was based on respect and belonging to the land, all aspects of life and survival did not impact on

Appendix B: Aboriginal Consultation Log
Marsden Park New Primary School, Marsden Park

the land but helped to care for and conserve land and the sustenance that the land provided. As Darug people moved through the land there were no impacts left, although there was evidence of movement and lifestyle, the people moved through areas with knowledge of their areas

and followed signs that were left in the landscape. Darug people knew which areas were not to be entered and respected the areas that were sacred.

Knowledge of culture, lifestyle and lore have been part of Darug people's lives for thousands of years, this was passed down to the next generations and this started with birth and continued for a lifetime. Darug people spent a lifetime learning and as people grew older they passed through stages of knowledge, elders became elders with the learning of stages of knowledge not by their age, being an elder is part of the kinship system this was a very complicated system based on respect.

Darug sites are all connected, our country has a complex of sites that hold our heritage and past history, evidence of the Darug lifestyle and occupation are all across our country, due to the rapid development of Sydney many of our sites have been destroyed, our sites are thousands of years old and within the short period of time that Australia has been developed pre contact our sites have disappeared.

The *Aboriginal cultural heritage consultation requirements for proponents* Section 4.1.8 refers to "Aboriginal organisations representing Aboriginal people who hold cultural knowledge". Recent consultation meetings have revealed that many of these Aboriginal organisations and individuals do not hold cultural knowledge of the Western Sydney area. The increasing involvement of such parties in cultural heritage management means that genuine local Aboriginal organisations are unable to properly care for our cultural heritage.

Many Aboriginal organisations listed in the OEH response letter do not contribute to the Aboriginal community of Western Sydney. Individuals listed in the OEH response letter do not represent the community and while they may be consulted with, should not be employed for their own personal financial benefit.

Our organisation is committed to providing benefits back to our local Aboriginal community through such measures as funding the local Aboriginal juniors' touch football team, painting classes for the local children and donating money to various charities. Employment in cultural heritage activities is source of income that organisations such as ours can use to contribute to beneficial activities and support within the community.

Darug custodian Aboriginal Corporation's site officers have knowledge of Darug land, Darug ~~Culture~~ Oral histories, landforms, sites, Darug history, wildlife, flora and legislative requirements. We have worked with consultants and developers for many years in Western Sydney (Darug Land) for conservation, site works, developments and interpretation/education ~~strategie~~

Darug Custodian Aboriginal Corporation have received and reviewed the report for Lot 2889 DP1230906 New Marsden Park Public School Richmond Road Marsden Park, NSW

We support the recommendations set out in this report.

Please contact us with all further enquiries on the above contacts.

Regards



Justine Coplin

3.2.7 Munyunga



Wed 24/07/2019 11:16 AM

MUNYUNGA MUNYUNGA <munyungachts@gmail.com>

Re: Marsden Park School - ACHA Responses

To Steven John Vasilakis

Hi there Steven, I can confirm My Stakeholder agree with the ACHA we have fully qualified Site Officers if you need them for any upcoming work.

I just got one last question can you send me another copy of the methodology.

3.2.8 Walbunja on Behalf of Dharug, Gundungurra, Tharawal, Eora, Elouera, Wandandian, Ngunawal, Walgalu, Ngarigo, Walbunja, Djiringanj, Thauaira and Bidawal



Fri 19/07/2019 2:01 PM

WALBUNJA <walbunja@gmail.com>

Re: Marsden Park School - ACHA Responses

To Steven John Vasilakis

I have read the ACHA and I agree and endorse the document, please consider including me in the test excavation.



Tue 23/07/2019 10:46 AM

Steven John Vasilakis <consultation@archaeological.com.au>

RE: Marsden Park School - ACHA Responses

To 'WALBUNJA'

Cc 'Benjamin Streat (AMAC)'

Hi Hika,

Many thanks for Walbunja's support for the above project. Does Walbunja's support of said ACHA represent the 13 ANCESTRESSES of the MURRIN NATION namely; DHARUG, GUNDUNGURRA, THARAWAL, EORA, ELOUERA, WANDANDIAN, NGUNAWAL, WALGALU, NGARIGO, WALBUNJA, DJIRINGANJ, THAUAIRA and BIDAWAL.

All Best,

Steve

*Steven J. Vasilakis
 Field Archaeologist
 Aboriginal Cultural Heritage*

AMAC Group
Archaeological Management & Consulting Group Pty Ltd

122c-d Percival Road
 Stanmore NSW 2048



Tue 23/07/2019 12:57 PM

WALBUNJA <walbunja@gmail.com>

Re: Marsden Park School - ACHA Responses

To Steven John Vasilakis

Yes that is correct.

3.2.9 RAPs Contacted Via Phone for Verbal Approval & Comments

The following RAPs were contacted via phone on the 19/07/2019 and provided verbal approval to the recommendations and content of the report.

- Gunjeewong Cultural Heritage Aboriginal Corporation
- Didge Ngunawal Clan
- Wailwan Aboriginal Corp.
- Darug Custodian Aboriginal Corp.
- Darug Aboriginal Cultural Heritage Assessments

3.2.10 RAPs Contacted Via Phone No Responses

The following RAPs were contacted via phone on the 19/07/2019 and received no response.

- Yulay Cultural Services – No response – Left message
- Barraby Cultural Services – No response - Left message
- Yurrandaali Cultural Services – No response - Left message

3.3 DISPATCH OF AMENDED ACHA DOCUMENT

On the 13th August 2019, the following email (sample) was sent to all RAPs and posted to Celestine Everingham of Darug Aboriginal Cultural Heritage Assessments. Attached was a draft of the amended Aboriginal Cultural Heritage Assessment (ACHA) - due to recent developments surrounding the AHIP documentation of the Marsden Park School project - for review and comment with the deadline for comments submission on the 10th September 2019.

From: Consultation <consultation@archaeological.com.au>
Sent: Tuesday, 13 August 2019 3:25 PM
To: Ben Streat <benjaminstreat@archaeological.com.au>
Cc: stevevasilakis@archaeological.com.au
Subject: Marsden Park School - Amended ACHA for review and comment

Hi,

As you are aware there has been some amendments made to the ACHA as a result of new information surrounding the status of the site and AHIP documentation.

Please find attached a copy of the amended ACHA for review and comment.

Thank you as always for your time and consideration.

Warm regards,

Yolanda Pavincich

3.4 RESPONSE TO AMENDED ACHA REPORT

3.4.1 Kamilaroi-Yankuntjatjara Working Group



Mon 19/08/2019 2:03 PM
 philip.khan <philipkhan.acn@live.com.au>
 Re: Marsden Park School - Amended ACHA for review and comment

To: Consultation

Hi Steve,

Thank you for the amended ACHA for Marsden Park New primary school, Lot 2889 DP123096.

I have reviewed the Assessment, I support and agree to all the recommendation outlined in this report.

Kind regards

Phil

3.4.2 Merrigarn Indigenous Corp.



Mon 26/08/2019 2:39 PM

Shaun Carroll <Merrigarn@hotmail.com>

RE: Marsden Park School - Amended ACHA for review and comment

To Consultation

Hi Yolanda,
 I have read the amended ACHA for the above project, I agree with the recommendations.
 Thanks
 Shaun

3.4.3 Gunjeewong Cultural Heritage Aboriginal Corp.



Tue 13/08/2019 8:58 PM

Cherie Carroll <Gunjeewong53@hotmail.com>

Re: Marsden Park School - Amended ACHA for review and comment

To consultation@archaeological.com.au; benjaminstreat@archaeological.com.au

Cc stevevasilakis@archaeological.com.au

Hi Yolanda,
 please keep me up dated Cherie Carroll Turrise

3.4.4 Darug Custodian Aboriginal Corp.



Fri 23/08/2019 5:32 PM

justinecoplin@optusnet.com.au

Marsden Park New Primary School, Marsden Park

To Steven John Vasilakis





Attention AMAC

Date: 23/08/19

Subject: Marsden Park New Primary School, Marsden Park

Dear Ben

Our group is a non-profit organisation that has been active for over forty years in Western Sydney, we are a Darug community group with over three hundred members. The main aim in our constitution is the care of Darug sites, places, wildlife and to promote our culture and provide education on the Darug history.

The Marsden Park area is an area our group has a vast knowledge of, we have worked and lived in for many years, this area is highly significant to the Darug people due to the connection of sites and the continued occupation. Our group has been involved in all previous assessments and works in this area as a traditional owner Darug group for the past 40 plus years.

We support the changes made for Marsden Park New Primary School, Marsden Park.

Please contact us with all further enquiries on the above contacts.

Regards

Justine Coplin

No other submissions were made.