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ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT

Proposed Development at Glenwood High School

Company	School Infrastructure NSW
Contact	Deborah Green
Date	22/10/2021



Project Name	Aboriginal Cultural Heritage Assessment Report
Client Name	School Infrastructure NSW
Recipient	Deborah Green
Status	Final 1.3
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Approved by	Scott Franks



Executive Summary

The proponent, School Infrastructure NSW is preparing a SEARS application and an Environmental Impact Statement in order to progress a SSDA for the upgrade of the teaching accommodation and core facilities at Glenwood High School. Tocomwall Pty Ltd undertook a Due Diligence assessment at Glenwood High School in 2020 and made recommendations to undertake further investigations at the location to determine if Aboriginal objects are present at the site. Tocomwall was then requested to undertake further investigations and to prepare an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support the development application. This document describes the archaeological investigations undertaken for the ACHAR in accordance with the Aboriginal Cultural Heritage in NSW (OEH, 2011) and Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW (OEH, 2010). No Aboriginal objects, sites, potential archaeological deposits, or places were identified during this assessment and there are no known Aboriginal cultural heritage constraints for the proposed development.

Acknowledgements

Tocomwall Pty Ltd gratefully acknowledges the contributions of the following people and organisations (listed alphabetically) in preparing this report:

Aboriginal Groups

- A1 Indigenous Services
- Darug Custodian Aboriginal Corporation
- Didge Ngunawal Clan
- Freeman & Marx Pty Ltd
- Gulaga
- Kamilaroi Yankuntjatjara Working Group
- Murugadi
- Murra Bidgee Mullangari Aboriginal Corporation
- Murramarang
- Waawaar Awaab Aboriginal Corporation
- Yulay Cultural Services

Client

- Jacobs/SINSW

Abbreviations

ACHA	Aboriginal Cultural Heritage Assessment
ACHAR	Aboriginal Cultural Heritage Assessment Report
AHIMS	Aboriginal Heritage Information Management System
AHIP	Aboriginal Heritage Impact Permit
Cm	Centimetre
The Code	<i>The Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010b)</i>
DEC	Department of Environment and Conservation
DECC	Department of Environment and Climate Change
DECCW	Department of Environment, Climate Change and Water
DP	Deposited Plan
EPA	Environment Planning and Assessment
ICOMOS	International Council on Monuments and Sites
km	Kilometre
LALC	Local Aboriginal Land Council
LCC	Liverpool City Council
LEP	Local Environmental Plan
LGA	Local Government Area
m	Metre



mm	Millimetre
NHL	National Heritage List
NPW Act	<i>National Parks and Wildlife Act 1974</i>
NPWS	National Parks and Wildlife Service
NSW	New South Wales
NTSCORP	Native Title Services Corporation
OEH	NSW Office of Environment and Heritage
PAD	Potential Archaeological Deposit
The Project	Proposed development within Project Area
RAPs	Registered Aboriginal Parties

Contents

Acknowledgements	4
Abbreviations.....	4
Table of figures.....	7
1 Introduction	9
1.1 Background.....	9
1.2 Authorship and Acknowledgements.....	9
2 Statutory Heritage Contexts and Controls	9
2.1 Planning approvals.....	9
2.2 Statutory Heritage Contexts and Controls.....	10
2.3 National Parks and Wildlife Act 1974.....	10
2.4 Environmental Planning and Assessment Act 1979.....	10
2.5 Native Title Act 1993.....	11
2.6 Reporting Standards and Guidelines	11
2.7 The Blacktown Local Environment Plan 2015	11
2.8 SEARS Requirements.....	12
3 Methodology.....	14
4 Description of the Study Area	18
4.1 Location and Proposed Development	18
4.2 Proposed works.....	19
5 The Environmental Context	23
5.1 The Environment of the study area within the Cumberland Plain.....	23
5.1.1 <i>Vegetation</i>	23
5.1.2 <i>Geology</i>	23
5.1.3 <i>Soil</i>	24
5.1.4 <i>Terrain</i>	25
6 The Archaeological Context	27
6.1 Previous Archaeological assessments.....	28
6.2 AHIMS Search	32
7 Historical Land Use	36
7.1 Site Disturbance.....	39
8 Predictive Model	41
9 Archaeological Survey.....	41
10 Test Excavation	42
11.1 Stage 1 Notification of project proposal and registration of interest.....	42

11.1.1	Identification of relevant Aboriginal stakeholders.....	42
11.2	Stage 2 presentation of information about the proposed project	43
11.3	Stage 3 gathering information about cultural significance.....	44
11.4	Stage 4 review of draft Aboriginal cultural heritage assessment report.....	44
12	Analysis and Discussion	44
14	Aboriginal Cultural Significance Assessment	46
14.1	Social and Cultural Value	46
14.2	Historic Value	46
14.3	Scientific Significance.....	46
14.4	Aesthetic Value.....	47
14.5	Educational Significance	47
14.6	Representative Significance.....	47
14.7	Rarity.....	48
14.8	Statement of Significance.....	48
15.1	Development Impacts	48
15.2	Potential Risks to Aboriginal Cultural Heritage	48
15.3	Avoiding Harm to Aboriginal heritage	48
15.4	Management and Mitigation of Measures.....	49
16	Impact Assessment	49
17	Management and Mitigation Measures	49
18	Recommendations	49
19	References	51
20	AHIMS Searches	55
	Appendices	60
21	Appendix 1 – Consultation Log	60
22	Appendix 2 – Requests for RAP lists, Register searches results and public notice ...	75
23	Appendix 3 – Invitation for Participation and Responses from RAPs.....	95
24	Appendix 4 – Project information pack and investigation methodology	150
25	Appendix 5 – Draft Aboriginal cultural heritage assessment.....	239
26	Appendix 6 – Archaeological report	241

Table of figures

Figure 1: ACHA Methodology.....	17
Figure 2: Shows the study area, Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Source Bing Virtual Earth and Open Street Map Contributors.	18

Figure 3: Existing site layout for Glenwood High School. (Source SINSW/Pedavoli Architects 2020). 19

Figure 4: Plan showing the location of the proposed development in blue (Source SINSW/Pedavoli Architects 2020). 20

Figure 5: Proposed development option 2A (Source SINSW/Pedavoli Architects 2020). 20

Figure 6: Proposed development option 2B (Source SINSW/Pedavoli Architects 2020). 21

Figure 7: Proposed development option 2C (Source SINSW/Pedavoli Architects 2020). 21

Figure 8: Proposed development option 3 (Source SINSW/Pedavoli Architects 2020). 22

Figure 9: Proposed development option 4 (Source SINSW). 22

Figure 10: Geology Map for the Glenwood High School. Rwb represents shale, carbonaceous claystone, laminate, fine to medium grain lithic sandstone, rare coal and tuff (Clark and Jones 1991). 24

Figure 11: Soil landscape map showing the location of the Glenwood High School within the Blacktown Soils landscape (Bannerman and Hazelton 1990). 25

Figure 12: 3D view looking north across the study area showing flat to gently undulating terrain (Aerial image and LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.). 26

Figure 13: LiDAR derived image looking north-west. The modified channels from the original first order streams can be seen. LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government. 26

Figure 14: Image showing the location of recorded Aboriginal sites from the AHIMS search using a 2km radius search area. Glenwood High School is shown at the centre of the image. Aerial image source Six Maps © Department Finance, Services and Innovation, NSW Government. 36

Figure 15: Early Parish map of Gidley showing the location of the Glenwood High School (Source NSW LRS HLRV Parish of Gidley). 38

Figure 16: 1955 Aerial Photo of the Glenwood High School site (Source: Spatial Services NSW Government). 39

Figure 17: Aerial Image from 1994 showing that civil works associated with the remodelling of the stream have intruded into the study area (Source: Spatial Services NSW). 40

Figure 18: Map of geotechnical bore hole locations (Source SINSW). 41

1 Introduction

1.1 Background

Glenwood High School is located at Foreman Avenue, Glenwood, NSW 2768. The Glenwood High School project includes the upgrade of the teaching accommodation and core facilities to increase the school capacity from 1,445 to 1,900 students and remove all (19) demountable TLS (Temporary Learning Spaces).

Tocomwall Pty Ltd have been engaged by School Infrastructure NSW (SINSW) to undertake an Aboriginal Cultural Heritage Assessment in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, 2010. Tocomwall undertook a Due Diligence Assessment at the site of the proposed development in October 2020 and concluded that Aboriginal objects may still be present at the site where there are intact soils present. An archaeological report has been prepared in accordance with the requirements of the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010) and found that no Aboriginal objects, sites, PAD or places were identified at the study area. Consultation with Aboriginal knowledge holders has been undertaken in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010) to identify cultural knowledge relevant to determining the significance of Aboriginal objects and places in the proposed project area.

1.2 Authorship and Acknowledgements

This report has been prepared by Will Moon MA Archaeology and Heritage Management, GCPJM, Dip PJM, (12 years experience in the heritage management, including 5 years as an archaeologist) with the assistance of Dani Mitchell, BSc, Grad Dip Archaeology and Heritage Management (16 years experience as an archaeologist).

2 Statutory Heritage Contexts and Controls

2.1 Planning approvals

The planning controls under the Planning Secretary's Environmental Assessment Requirements include:

- Section 4.12(8) of the Environmental Planning and Assessment Act 1979
- Schedule 2 of the Environmental Planning and Assessment Regulation 2000

2.2 Statutory Heritage Contexts and Controls

Two primary pieces of legislation provide automatic statutory protection for Aboriginal heritage and the requirements for its management in New South Wales.

These are:

- The *National Parks and Wildlife Act 1974* (NPW Act); and
- The *Environmental Planning and Assessment Act 1979*.

2.3 National Parks and Wildlife Act 1974

The primary legislation for the protection of Aboriginal culture and heritage in NSW is the *NPW Act*. One of the key objectives stated in the *NPW Act* is:

‘..... the conservation of objects, places or features (including biological diversity) of cultural value within the landscape, including but not limited to: (i) places, objects and features of significance to Aboriginal people.... [s.2A (1) (6)].’

The *NPW Act* defines Aboriginal Heritage as comprising ‘Aboriginal objects’ and ‘Aboriginal Places’. Aboriginal heritage is defined as:

- An object under the *NPW Act* is defined as ‘any deposit, or object or material evidence relating to the Aboriginal habitation of the area’ (Section 5 of the *NPW Act*); and
- An Aboriginal Place is defined as ‘a place that is or was of special significance with respect to Aboriginal culture’ (Section 84 of the *NPW Act*).

Part 6 of the *NPW Act* provides specific protection for Aboriginal objects and declared Aboriginal Places by establishing offences of harm. Harm is defined as ‘..destroying, defacing or damaging an Aboriginal object or place, or moving an object from the land.’ There are fines associated with causing harm to an Aboriginal object. However, there are exemptions for causing harm, for example the preparation of an Aboriginal Heritage Impact Permit (AHIP).

The Department of Planning, Industry and Environment (DPIE) is the current government agency with responsibility for the protection and management of Aboriginal archaeological sites and cultural heritage values and the statutory administration of the *NPW Act*.

2.4 Environmental Planning and Assessment Act 1979

The *Environmental Planning and Assessment Act 1979* (EPA Act) establishes the statutory planning framework for environmental and land use planning in NSW through *State Environmental Planning Policies* (SEPPs), *Regional Environmental Plans* (REPs) and *Local Environmental Plans* (LEPs).

The EPA Act also establishes the framework for Aboriginal heritage values to be formally assessed in land use planning and development consent processes. The requirements for the project are defined in the Planning Secretary's Environmental Assessment requirements.

2.5 Native Title Act 1993

The Native Title Act 1993 provides the legal framework to recognition and protection of native title. It includes the recognition of the traditional rights and interests to land and waters of Aboriginal and Torres Strait Islander people. Under the Native Title Act, native title claimants can make an application to the Federal Court to have their native title recognised by Australian law.

As part of the consultation process for the project it was confirmed that there are no registered native title claimants for the study area.

2.6 Reporting Standards and Guidelines

This report has been prepared in accordance with the following heritage recording, assessment and reporting guidelines and standards that are endorsed by the OEH:

- Australia ICOMOS. 2013. The Burra Charter. The Australia ICOMOS Charter for Places of Cultural Significance. Australia ICOMOS Inc.¹
- NSW Department of Environment, Climate Change & Water. (DECCW) 2010. Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales. DECCW. Sydney.
- NSW Department of Environment, Climate Change & Water. (DECCW) 2010 (September). Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales. DECCW. Sydney.
- NSW Department of Environment, Climate Change & Water. 2010 Aboriginal Cultural Heritage Consultation Requirements for Proponents.
- OEH. 2011 Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW.

2.7 The Blacktown Local Environment Plan 2015

Under Section 5.10 (2) of The Blacktown Local Environment Plan 2015, the following requirements are listed as requiring consent prior to development:

¹ The Burra Charter establishes nationally accepted principles for the conservation of places of cultural significance.

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

2.8 SEARS Requirements

The following table lists the SEARS Item 8 requirements and where each of these requirements have been addressed in the ACHAR.

Provide an Aboriginal Cultural Heritage Assessment Report (ACHAR) that:	
Identifies and describes the Aboriginal cultural heritage values that exist across the site.	No cultural heritage values specific to the development location were identified during

	the ACHAR or consultation process. Refer to sections 13, 14 and 15 of the ACHAR.
Includes surface surveys and test excavations where necessary.	Surface surveys and test excavations were completed for the subject area, refer to the archaeological report in Appendix 6 of the ACHAR.
Has been prepared in accordance with the Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (OEH, 2011) and Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW (OEH, 2010).	All sections within this ACHAR report are completed in accordance with the Aboriginal Cultural Heritage in NSW (OEH, 2011) and Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW (OEH, 2010).
Incorporates consultation with Aboriginal people in accordance with Aboriginal Cultural Heritage Consultation Requirements for Proponents (Department of Environment, Climate Change and Water, 2010).	Consultation was carried out in accordance with Aboriginal Cultural Heritage Consultation Requirements for Proponents (Department of Environment, Climate Change and Water, 2010). Refer to section 11, Appendix 1, 2 and 3 of the ACHAR.
Documents the significance of cultural heritage values of Aboriginal people who have a cultural association with the land.	No cultural heritage values specific to the development location were identified during the ACHAR or consultation process. Refer to sections 13, 14 and 15 of the ACHAR.
Identifies, assesses and documents all impacts on the Aboriginal cultural heritage values.	No cultural heritage values specific to the development location were identified during the ACHAR. Refer to section 15 of the ACHAR.
Demonstrates attempts to avoid any impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the ACHAR and EIS must outline measures proposed to mitigate impacts.	No cultural heritage values specific to the development location were identified during the ACHAR. Refer to section 15 of the ACHAR.
Demonstrates attempts to interpret the Aboriginal cultural heritage significance identified into the development.	Part of the CWC process.

<p>Any Aboriginal objects recorded as part of the Aboriginal Cultural Heritage Assessment Report must be documented and notified to the Aboriginal Heritage Information Management System (AHIMS) within Heritage NSW of the Department of Premier and Cabinet.</p>	<p>No Aboriginal objects were found during this investigation. Refer to the archaeological report in Appendix 6.</p>
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Table 1: List of SEARS Item 8 requirements and where these requirements are addressed in the report.

2.9 Objectives of the Aboriginal Heritage Assessment

The objectives of the Aboriginal Heritage assessment are to:

- Implement the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 with the objective of identifying and engaging Aboriginal knowledge holders for the study area.
- Review previous archaeological studies undertaken in the vicinity.
- Review the landscape context to help inform the predictive model.
- Summarise and discuss the local and regional character of Aboriginal land use and its material traces.
- Predict the nature and extent of archaeological evidence at the site.
- Undertake an archaeological survey and record the presence and extent of Aboriginal objects that are present in the study area.
- Involve the Aboriginal knowledge holders in the cultural heritage assessment process, including consultation to determine their opinions with respect to the project and its potential ‘harm’ to their cultural heritage and measures to protect their cultural heritage.
- Determine if there is a need to extend the investigation to undertake test excavations.
- Determine the nature and extent of the impacts of the proposed development upon the Aboriginal cultural heritage of the study area.
- Make recommendations for the protection of Aboriginal cultural heritage at the study area.

3 Methodology

The following defines the proposed methodology for the Aboriginal Cultural Heritage Assessment (ACHA). The ACHA will be carried out in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010, Aboriginal cultural heritage consultation requirements for proponents 2010, the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011 and Applying for an Aboriginal Heritage Impact Permit: Guide for applicants 2011. The methodology is depicted in Figure 1:

ACHA Methodology. The Steps are described in more detail in Table 2. The detailed for the archaeological investigation is defined in the Appendix 4.

Step	Method
1: Initiate Consultation Process	The consultation process is initiated in accordance with Aboriginal cultural heritage consultation requirements for proponents 2010.
2: Review previous archaeological work	Review previous archaeological work in accordance with the requirements of Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010. The review of previous archaeological work is defined in Section 6.1.
3: Review the landscape context	The review of the landscape context as defined in Section 5 and completed in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
4: Discuss the local and regional character of Aboriginal land use and its material traces	The local and regional character of Aboriginal land use and its material traces is described in Section 6. An Archaeological Report will also be prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
5: Predict the nature and distribution of evidence	A predictive model is described in Appendix 4 and has been prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
6: Undertake an archaeological survey	An archaeological survey of the study area was undertaken in August 2020 in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
7: Decide if additional archaeological investigation is required?	The archaeological assessment and results will determine if it is appropriate to undertake further archaeological investigation at the study area.
8: Document findings and interpretation of results in an	An archaeological report will be prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010. This report will be expanded upon following the

Archaeological Report	outcomes of a test excavation program for the study area if this is a requirement.
9: Seek cultural information from Registered Aboriginal Parties	Information on the cultural information for the study area is sought during the methodology review and as per requirement 3 of the Aboriginal cultural heritage consultation requirements for proponents 2010. Information gathered includes places of social, spiritual and cultural value, historic places with cultural significance, and potential places/areas of historic, social, spiritual and/or cultural significance. Information gathered will be used to further inform how the landscape was used, the social, cultural, aesthetic, historic and scientific values to enable an overall assessment of the significance of the study area and the associated values. Assessing values and significance will be undertaken as per Section 2.4.2 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011.
10: Determine if there will be harm to cultural heritage	Harm, or potential harm will be assessed as per Section 2.5 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011. Assessing measures to avoid harm will be considered in accordance with Sections 2.6 and 2.7 from the same guide. Registered Aboriginal knowledge holders will be consulted during this process as per the Aboriginal cultural heritage consultation requirements for proponents 2010 to help determine management options and mitigation measures.
11: Complete ACHAR	An Aboriginal Cultural Heritage Assessment Report will be prepared in accordance with Section 3 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011.
12: SSD SEARS Review	The final ACHAR is included in the final SEARS documentation submitted for review as part of the SSD approval process.

Table 2: ACHA Methodology

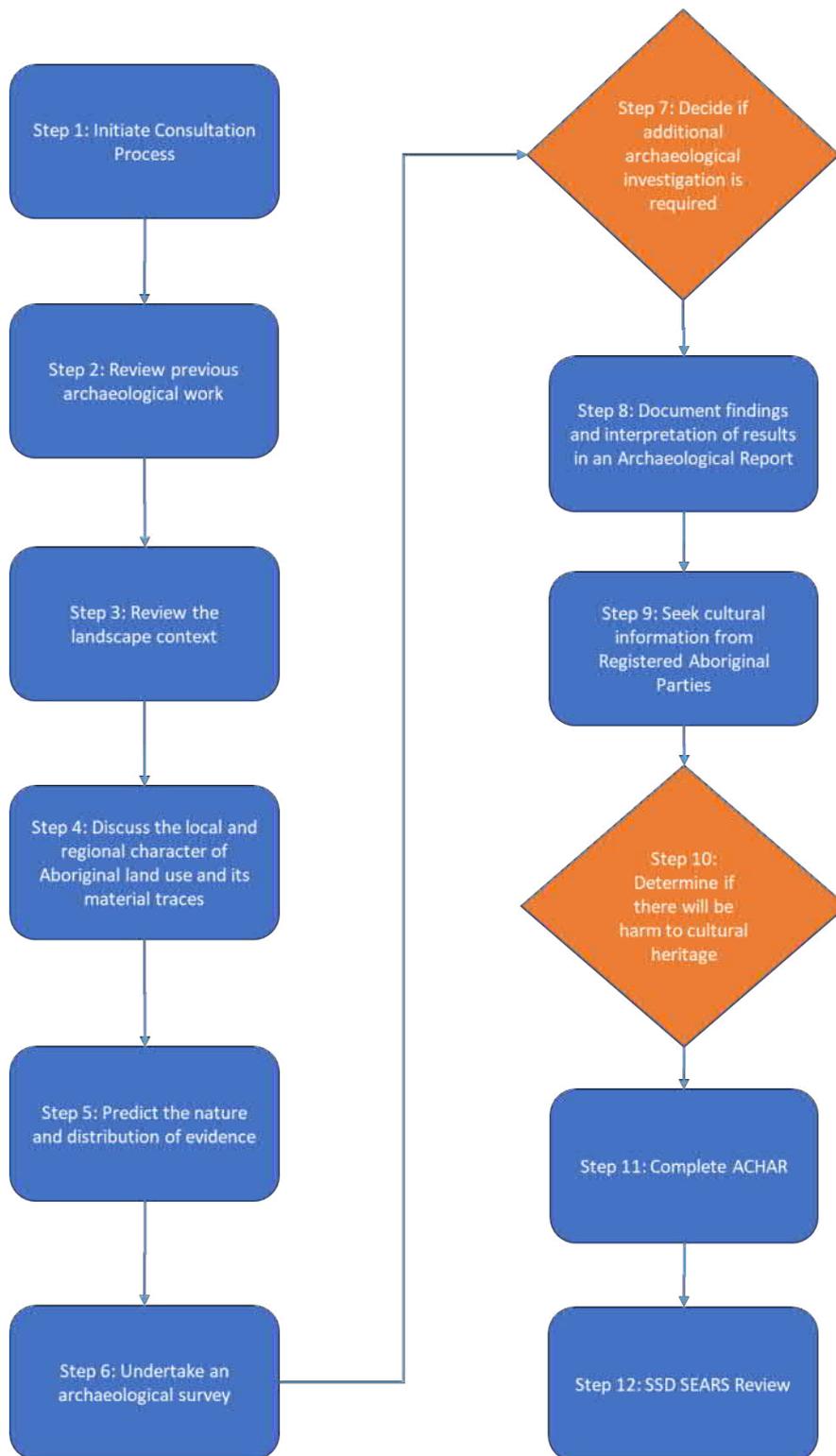


Figure 1: ACHA Methodology

4 Description of the Study Area

4.1 Location and Proposed Development

The study area is at Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Figure 2 shows an aerial image of the school located in the suburb of Glenwood. Figure 3 shows the existing layout of the school. The proposed development includes the design options shown in Figure 5, Figure 6, Figure 7, and Figure 8.



Figure 2: Shows the study area, Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Source Bing Virtual Earth and Open Street Map Contributors.

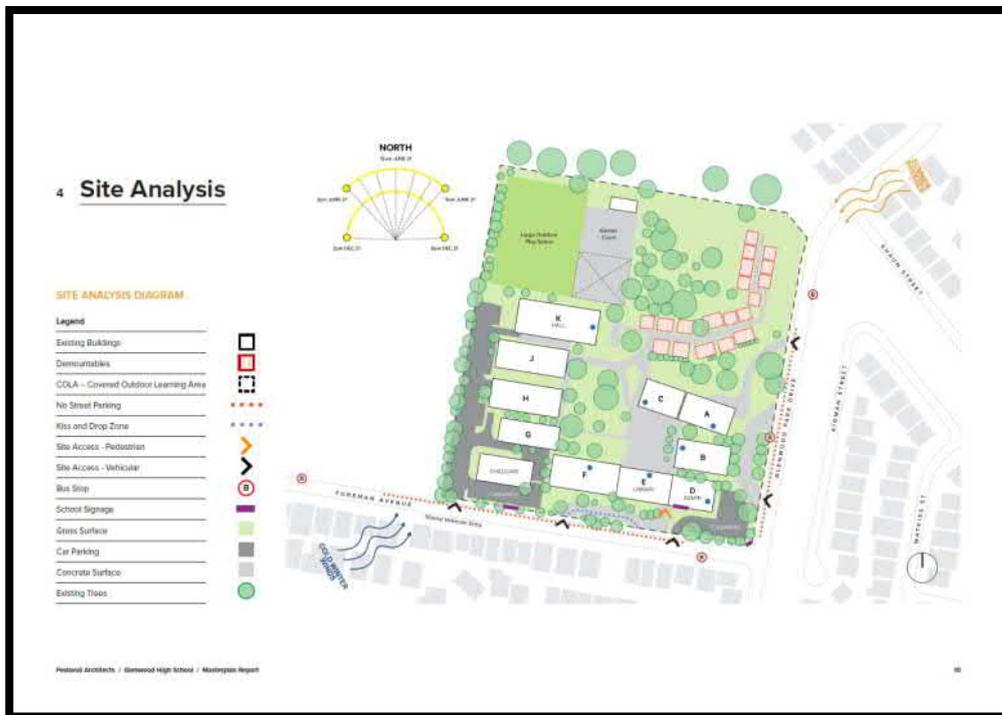


Figure 3: Existing site layout for Glenwood High School. (Source SINNSW/Pedavoli Architects 2020).

4.2 Proposed works

SI NSW have requested Pedavoli Architects to prepare four options for the Glenwood High School to deliver an increase in student accommodation, remove demountable buildings and upgrade facilities to stream 9 and 12 for up to 1,900 students. Construction activity associated with the proposed options would have a significant impact upon the soils within the development footprint.

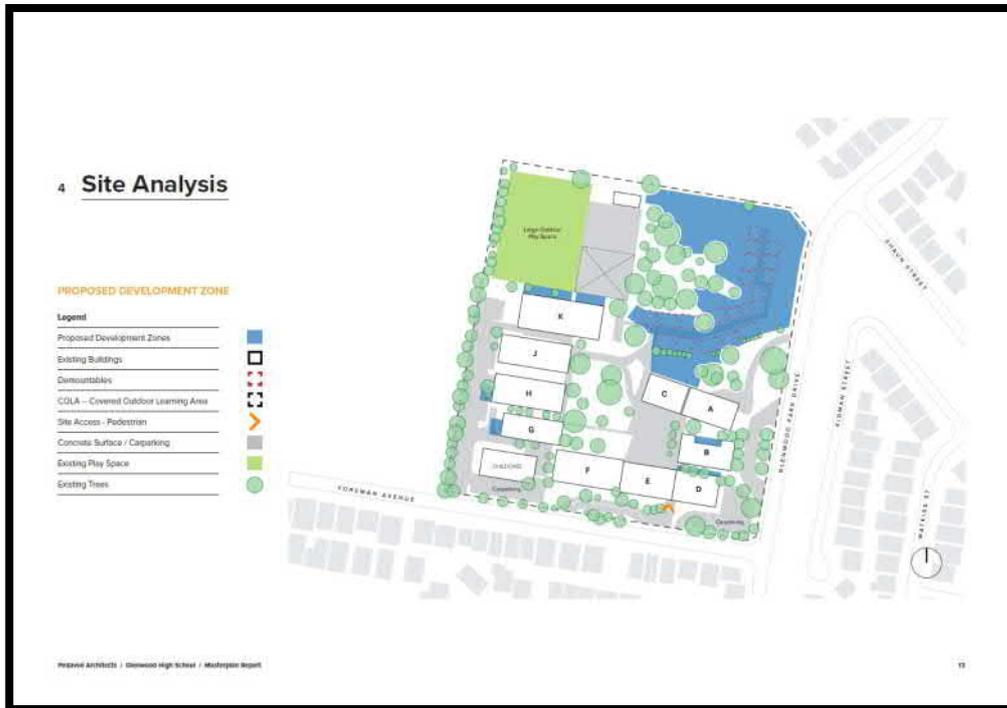


Figure 4: Plan showing the location of the proposed development in blue (Source SINSW/Pedavoli Architects 2020).

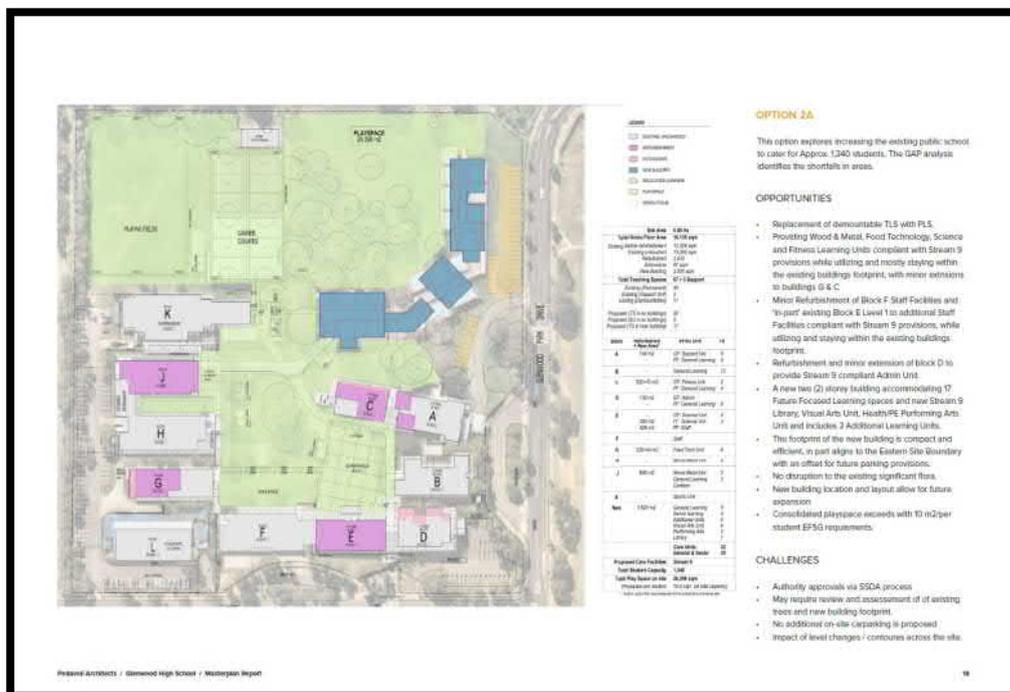


Figure 5: Proposed development option 2A (Source SINSW/Pedavoli Architects 2020).

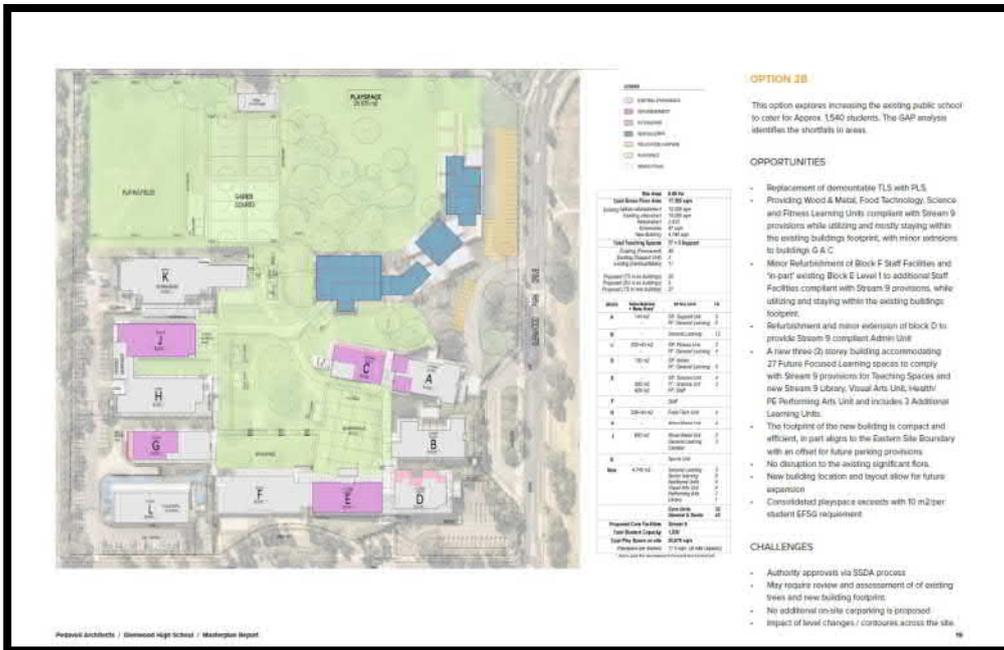


Figure 6: Proposed development option 2B (Source SINSW/Pedavoli Architects 2020).

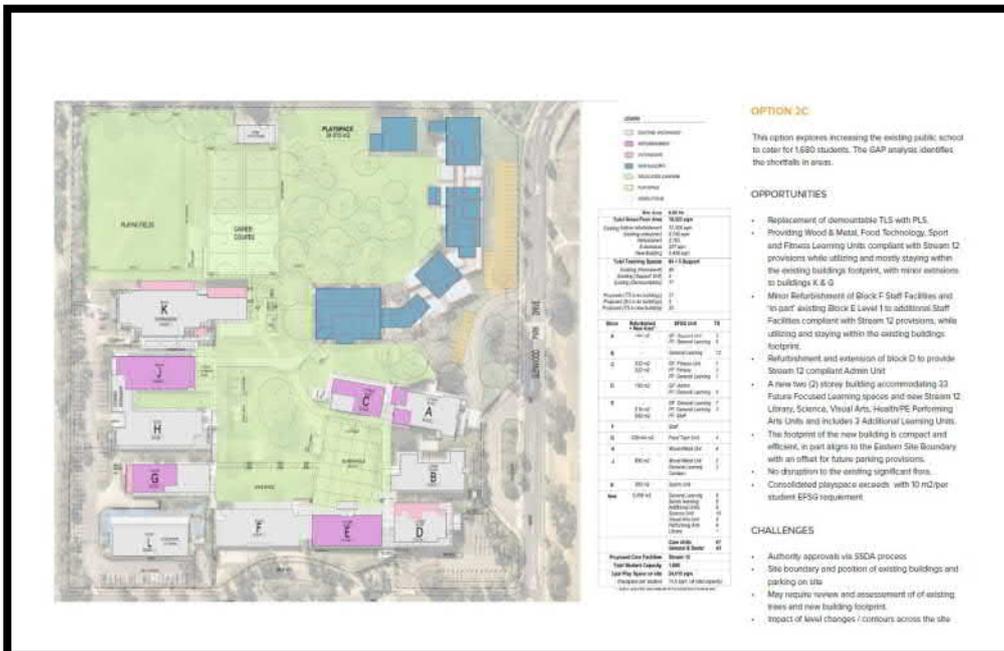


Figure 7: Proposed development option 2C (Source SINSW/Pedavoli Architects 2020).

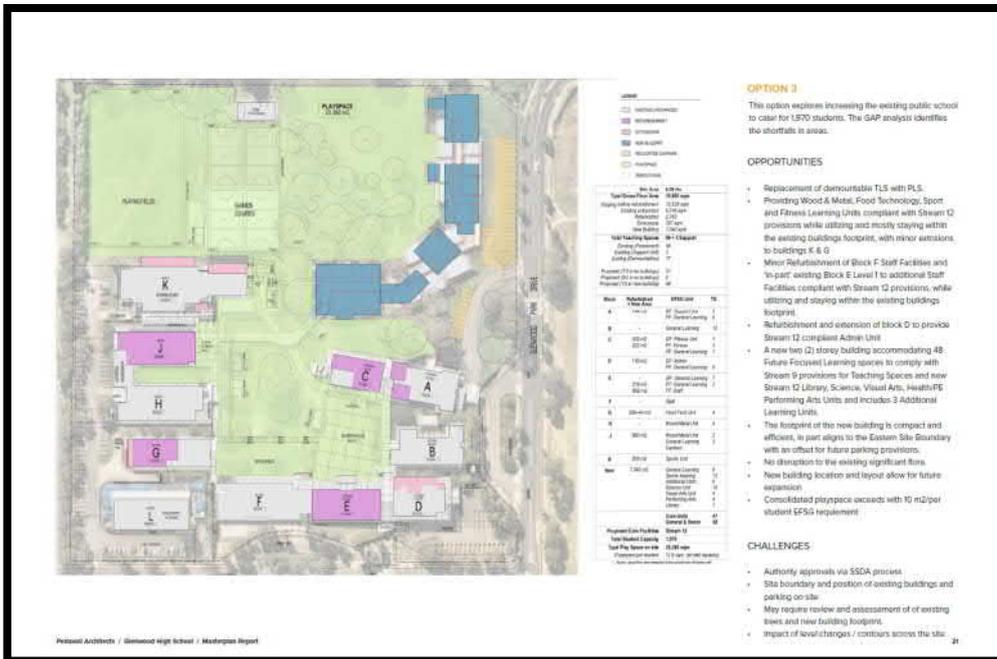


Figure 8: Proposed development option 3 (Source SINSW/Pedavoli Architects 2020).

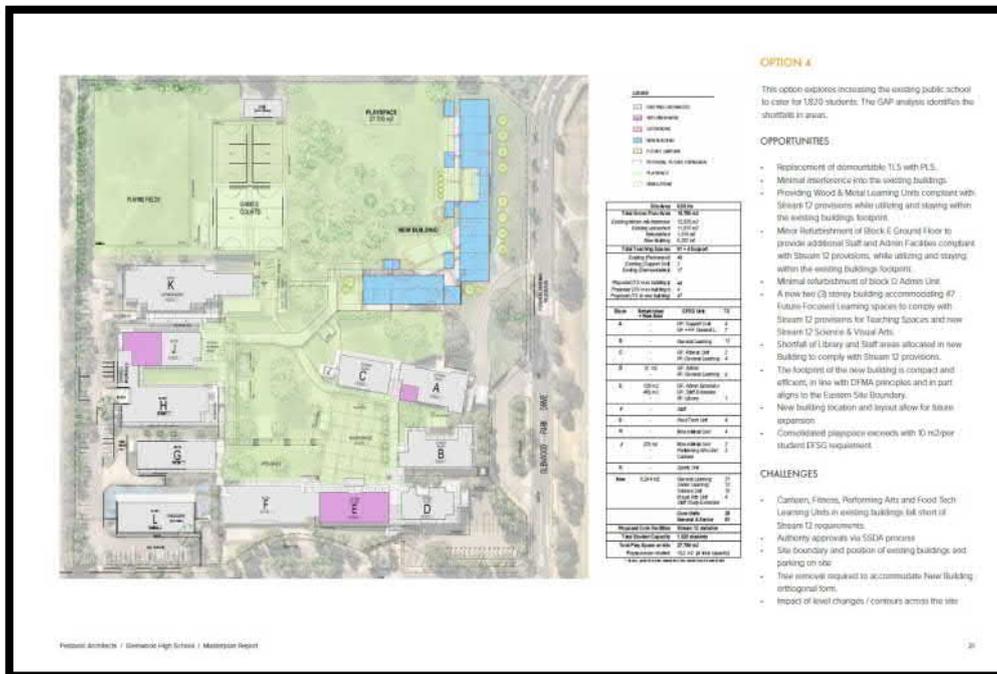


Figure 9: Proposed development option 4 (Source SINSW).

5 The Environmental Context

5.1 The Environment of the study area within the Cumberland Plain

The study area is located at Glenwood, an area of the Cumberland Plain. The landscape of the study and surrounding area can be characterised as flat to gently undulating topography, with landform elements including drainage depressions, creek systems, flats, residual rises, simple slopes and crests.

5.1.1 Vegetation

The vegetation of the study area has been significantly modified by historic European land management practices, initially for grazing and for crop production and more recently associated with urban development. Spatial layers from OEH 2010 and based upon Tozer 2003 show remnant vegetation communities in the area consisting of the Shale Plains Woodland. This type of vegetation community is also described as Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest by the Australian Government Department of Environment, Water, Heritage and the Arts (2010) and is listed as a threatened ecological community.

The Department of Environment, Water, Heritage and the Arts (2010) list the following species that are included in the vegetation community:

Tree canopy species include *Eucalyptus moluccana* (grey box), *Eucalyptus fibrosa* (red ironbark, broad-leaved ironbark), *Eucalyptus tereticornis* (forest red gum), *Eucalyptus crebra* (narrow-leaved ironbark), *Eucalyptus eugenioides* (thin-leaved stringybark), and *Corymbia maculate* (spotted gum).

Small to medium sized trees include *Acacia decurrens* (black wattle, green wattle), *Exocarpos cupressiformis* (native cherry), *Acacia parramattensis* (Parramatta wattle), *Acacia implexa* (hickory wattle) and *Melaleuca decora* (paperbark).

Shrubs include *Acacia falcata* (sally), *Acacia implexa* (hickory wattle), *Breynia oblongifolia* (coffee bush), *Lissanthe strigose* (peach heath), *Rubus parvifolius* (native raspberry), *Dillwynia sieberi*, *Bursaria spinosa* (blackthorn), *Daviesia ulicifolia* (gorse bitter pea), *Dodonaea viscosa subsp. cuneate* (wedge-leaf hop-bush), *Indigofera australis* (native indigo).

Grasses and grass-like species include *Aristida ramosa* (purple wiregrass), *Themeda triandra* (kangaroo grass), *Dichelachne micrantha* (plumegrass), *Cymbopogon refractus* (barbed wire grass), *Microlaena stipoides subsp. stipoides* (weeping grass), *Lomandra filiformis subsp. filiformis* (wattle mat-rush), *Lomandra multiflora subsp. multiflora* (many-flowered mat-rush), *Cyperus gracilis* (slender sedge).

5.1.2 Geology

The study area is located within the Cumberland Plain. The landscape of the local and surrounding area can be characterised as flat to gently undulating topography, with landform elements including drainage depressions, flats, residual rises, simple slopes and crests. The surface geology is part of the Wianamatta Group forming part of the Middle-Triassic sequence. The underlying geology of the study area is composed of the Ashfield Shales. Quaternary sand, silts, and clays form the surface deposits in the low-lying areas and depressions (Jones and Clark 1991) (see Figure 10).

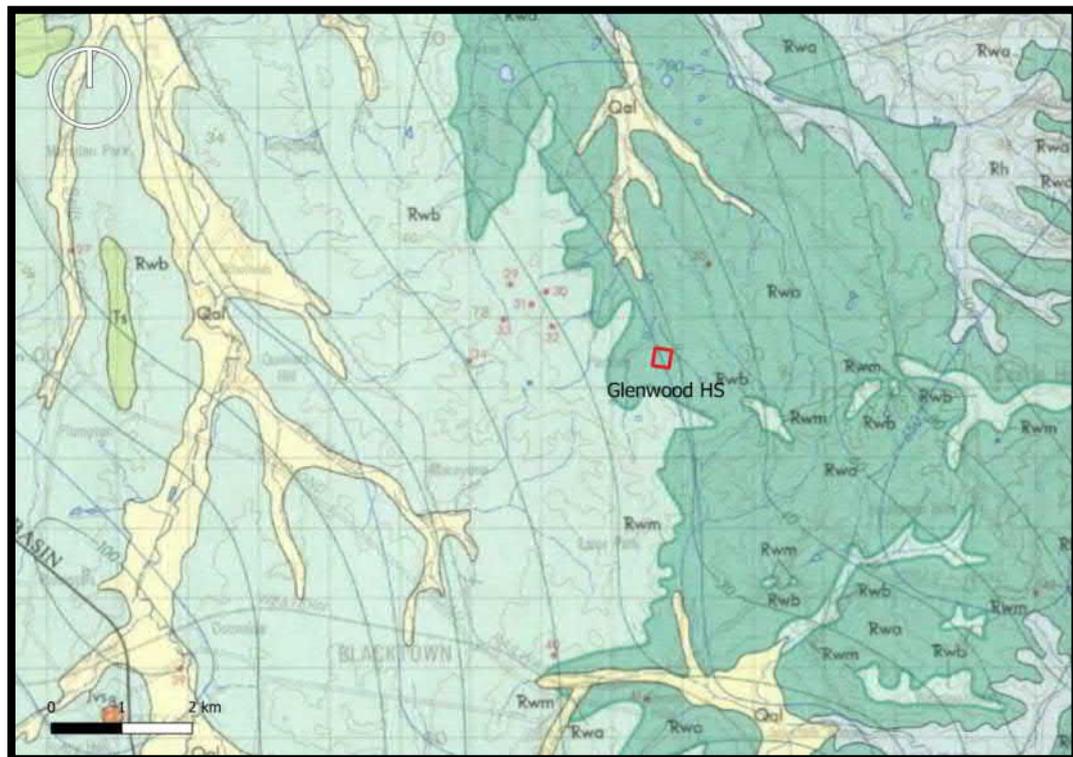


Figure 10: Geology Map for the Glenwood High School. Rwb represents shale, carbonaceous claystone, laminate, fine to medium grain lithic sandstone, rare coal and tuff (Clark and Jones 1991).

5.1.3 Soil

Soils of the study area are part of the residual Blacktown soil landscape (see Figure 11): these have formed in situ from the underlying shale geology. This landscape is characterised by shallow to moderately deep red, brown and yellow podzolic soils. Soil fertility and drainage are low. These soils are susceptible to erosion when the vegetation is not maintained (Bannerman and Hazelton 1990).

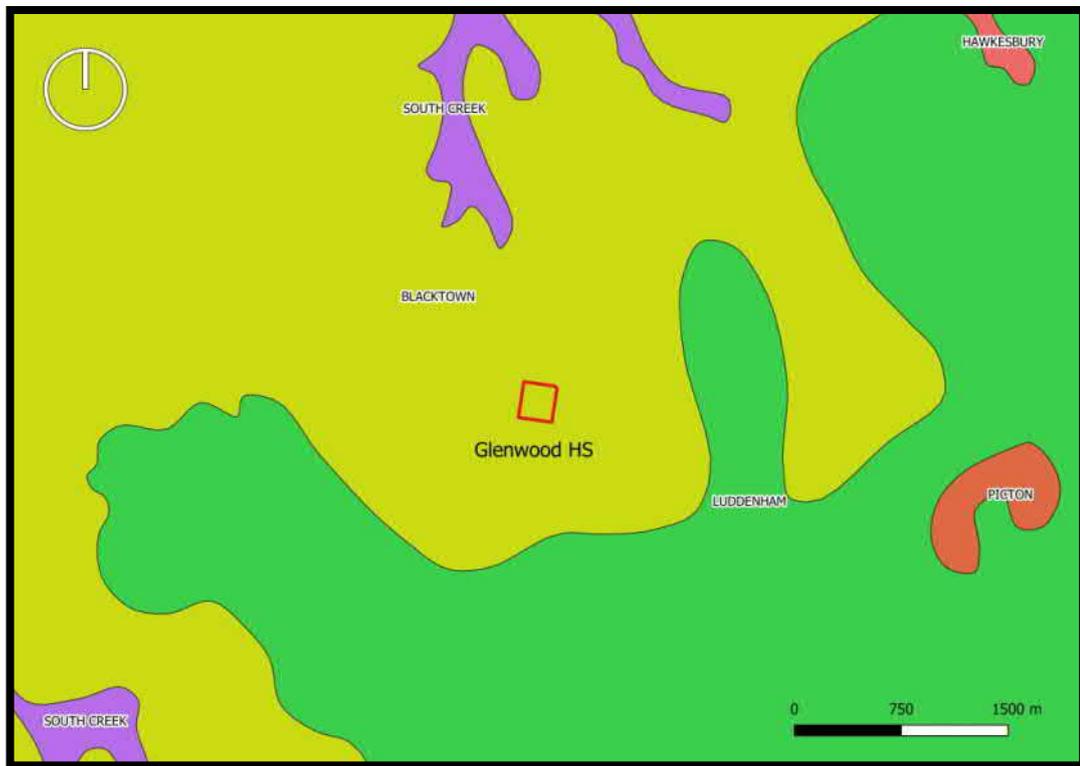


Figure 11: Soil landscape map showing the location of the Glenwood High School within the Blacktown Soils landscape (Bannerman and Hazelton 1990).

5.1.4 Terrain

The topography of the study area is a very gently sloping lower slope approaching the confluence of two first order streams to the north. Both streams have been significantly modified and reshaped to address the hydrology requirements associated with the urban development of the area. Figure 12 and Figure 13 show a three dimensional perspective of the study area.



Figure 12: 3D view looking north across the study area showing flat to gently undulating terrain (Aerial image and LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.).

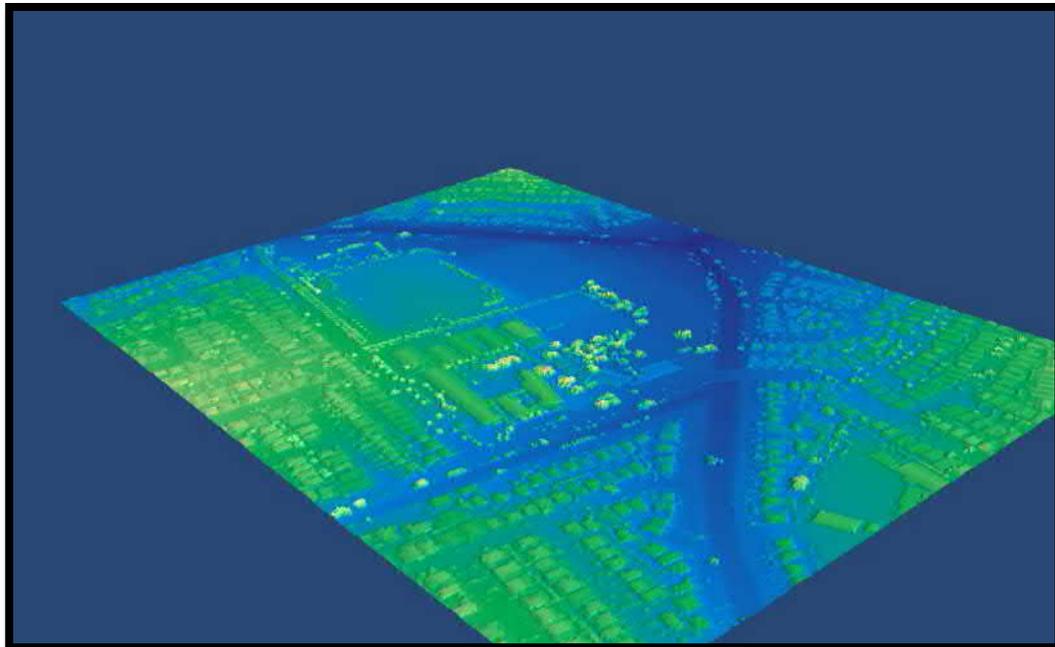


Figure 13: LiDAR derived image looking north-west. The modified channels from the original first order streams can be seen. LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.

6 The Archaeological Context

Dating human colonisation of Australia is a primary pursuit of archaeologists. Their investigations can involve excavating rock shelters and open occupation sites to estimate the age of the lowest levels containing what are termed 'cultural objects' such as artefacts made or used by humans (see e.g. Hiscock 2008:27). There is now evidence of human colonisation of northern Australia 65,000 years BP (see e.g. Clarkson et al 2017). Bowdler (2010:182) posits that 'people were on the western side of the Great Dividing Range by 40,000 years ago and began to penetrate the western slopes of the eastern highlands not long after. Bowdler suggests that 'after the retreat of the glaciers, the east coast began to look like a more attractive proposition, luring travellers from the west to filter down its precipitous eastern cliffs and gullies to explore the newly emerging well-watered, resource-rich coasts and rivers of an eastern' Australia.

The earliest presence of people in the Sydney Basin is uncertain but there is evidence for Pleistocene occupation of the region around 40,000 years ago. Archaeological excavations carried out at Parramatta by McDonald (2005) report dates as early as 30,000 years BP, providing some of the oldest dates for the Sydney Basin. Though limited details around the methodology used to collect the samples and obtain the dates has meant that the dating has not been subject to a sufficient level of scrutiny within the profession to enable confidence in the reported dates (Bowdler 2010). However, the most recent dates from the Parramatta Sand Sheet indicates that this area was occupied from between 35-40,000 years BP (GML 2019).

There is evidence for Pleistocene occupation in the Penrith area, which is situated in the western Cumberland Plain biogeographic region. In a rock shelter identified as Shaws Creek KII, near the Nepean River just north of Penrith, occupation dating of $14,700 \pm 250$ BP has been obtained (Kohen et al 1984; Stockton 2009), possibly 20,000 years BP (Stockton 2009, 2019). At Cranebrook Terrace, human occupation has been dated at $47,000 \pm 5,200$ BP (Stockton and Holland 1974; Nanson 1987 et al; Stockton and Nanson 2004). More recently, Williams et al's (2017:1) 'results lend increasing support for visitation of the Nepean River corridor by Aboriginal people as a part of the initial colonisation of Australia'. In 2019, Stockton stated that the Cranebrook Terrace dating 'should not be seen as surprising given evidence of human occupation extending back approximately 60,000 years in Australia' (Knox 2019:17).

Kohen's (1986a:295) early research of Aboriginal settlement of the western Cumberland Plain identified that material evidence of occupation can be 'found continuously across the landscape, with no environmental zone left unexploited'. He also found that most sites occurred within 100 metres of permanent water sources, on elevated terraces above water, and that major occupation sites would occur at the junction of difference environment zones where there was an increase in plant based food resources.

The archaeological evidence for the majority of Aboriginal sites on the Cumberland Plain indicates that the area was intensively occupied from approximately 4,000 years BP (JMCHM 2007). Many researchers believe that these relatively 'young' dates are probably more a reflection of conditions of archaeological site preservation, rather than actual evidence of the presence or absence of an Aboriginal population prior to this time.

Our understanding of how and when Aboriginal people occupied and used the Sydney Basin landscape is largely based upon changes observed in the composition of stone tool assemblages. Detailed archaeological investigations of the Aboriginal settlement patterns of Sydney's Cumberland Plain can be traced back to the mid-1980s. This was a period marked by the rapid growth in residential and other forms of development across the area.

Recent intensive development activities have meant that the Cumberland Plain is one of the most intensely investigated archaeological regions in Australia. These Aboriginal archaeological investigations have identified over 4,000 sites across this region and reveal a rich and diverse record of past Aboriginal occupation on the Cumberland Plain. Summaries of these works are included in reports by, for example, Attenbrow (2010), JMCHM (1997), McDonald (2008) and Przywolnik (2007) in addition to the archaeological surveys cited above.

Key factors drawn from the research and our present understanding of the archaeology of the Cumberland Plain include:

- available radiocarbon determinations and optically stimulated luminescence dating indicate Aboriginal people have occupied the Cumberland Plain for potentially as long as 40,000 years
- Aboriginal settlement patterns on the Cumberland Plain have been linked to a variety of environmental factors, with proximity to water, stream order, landform and geology being some of the key attributes dictating location of sites
- most surface sites will occur on landform elements within 200 metres of watercourses, with larger more complex artefact assemblages associated with higher order streams
- artefact distributions across the Cumberland Plain do not form bounded 'sites' but rather cultural 'landscapes', and
- subsurface artefact distributions across the Cumberland Plain tend to vary significantly in relation to landform and stream order.

6.1 Previous Archaeological assessments

Archaeological investigations have been conducted within the zone of the extensive AHIMS search carried out for the study area. These are summarised as follows -

In 1989, Mary Dallas was commissioned by the Blacktown City Council to conduct an archaeological study of the land within the Parklea Release Area. During the investigation

three distinct site types were identified, the first being archaeologically insignificant areas. The second site type were archaeologically sensitive areas which require further investigation and the third was an archaeologically significant area containing an open camp site. The study area is located on a well-documented environmental landscape. The area consists of undulating hills with ridge lines. Creeks and their associated tributaries drain into the low hills and empty into Cattal Creek. Second Ponds Creek and Caddies Creek are both sources of permanent water. The study area overlies the Bringelly and Ashfield Shales of the Wiannamatta Group. The Bringelly Shales are located on the ridge lines, separating the major creeks, while the Ashfield Shales occur along the creek lines. The soil profile in the study area is largely derived from the erosion of the shales. The soil is composed of clay loams, which historically would have supported eucalypts and sclerophyll. The study area has been largely modified into farms and residential areas. Furthermore, Second Ponds Creek has been exposed to erosions and destabilization from forest clearing. Previously, two archaeological investigations have been conducted in the Parklea Release Area both identifying camp sites, indicated by stone artefact scatters along exposed or eroded edges of Second Ponds Creek. Previous predictions of Aboriginal artefacts found in the area have indicated that sites can be found on any type of topographic landscape and will occur in a higher density towards water sources however, European settlement and major flooding has cause inconsistencies in the predicted distributions of artefacts. The archaeologically sensitive areas found in this study were identified as ridgetops or along creek lines. The archaeologically significant site displays continuous occupation of the area running along the creek line.

In 1993, Josephine McDonald conducted an archaeological survey of the Rouse Hill Infrastructure Project located along the Caddies and Second Ponds Creek in Rouse Hill. The study was the second survey commissioned by Rouse Hill Pty Ltd in stage one of the developments. During the survey, six sites, six isolated finds and four potential deposits were identified. These are in addition to previously recorded sites in the area. Six of the sites were open sites, all containing artefacts and one with grinding grooves. The most common type of site found during this survey and previous surveys were open camp sites and grinding grooves with the least common including scarred trees, rock engravings and shelters with art. The artefacts found during the surveys generally include mudstone, silcrete and quartzite debitage.

In 1993, Elizabeth Rich was commissioned by Rouse Hill (Stage 1) Pty Ltd to conduct archaeological investigations of the site's PK/PC 1-5 in Parklea. Generally, the archaeological material found during the investigation was minimal however focused activity areas occurred in eight of the locations. The study area is located on the Cumberland Plain and forms the upper catchment of a gully draining into Caddies Creek. The study area overlies the Ashfield Shale with the hills to the west of the area composed of the Minchinbury sandstone and Bringelly Shale. Alluvial fills surrounding the area indicate episodes of infilling and gullying from low energy channels. The topography contains undulating hills with minimal erosion.

Extensive modification after European settlement has resulted in native vegetation being cleared however some mature trees occurred. The sites PK/CD1+2 and PK/CD3-6 were identified as archaeologically significant and occur towards Caddies Creek. Furthermore, the site at Second Ponds Creek occurs 1.5km west. The sites are associated with semi-permanent to permanent water sources. Investigations of stone artefacts found indicate that all stone artefacts were imported with the predominant material being silcrete. The eight locations that contained artefacts were located within 50m of water sources or former drainage lines.

In 1993, Brayshaw McDonald Pty Ltd conducted an archaeological investigation of a potential archaeological deposit (PAD 21) at Parklea NSW. They were commissioned by Rouse Hill (Stage 1) Pty Ltd as part of an ongoing investigation linked to the Rouse Hill Infrastructure Project. Investigations uncovered a low density of archaeological material over most of the study area with major concentrations in one location. The major concentration is located on alluvial flats and the material suggests knapping was the primary activity. The study area is located on the Cumberland Plain with four major creek lines within the vicinity. It overlies the Ashfield Shale with several alluvial deposits forming along the creek lines. The topography consists of flood plains surrounding gentle hill slopes with swamp areas forming between. Historically, the vegetation consisted of eucalypts as well as other native trees adapted to the clay soils derived from the shales. The area has been largely cleared of vegetation however the ground remains undisturbed. The variations and densities of the archaeological materials indicates that different groups have entered the location throughout time for various reasons. Most of the artefacts found came from alluvial areas in the upper sections of the soil profile. The artefacts were predominantly silcrete with small amounts of quartz and mudstone.

In 1993, Josephine McDonald undertook an archaeological investigation of sites PK/CD 3-6 at Parklea. The report was commissioned by Rouse Hill (Stage 1) Pty Ltd. The study area is located on the Cumberland Plain and is surrounded by tributaries associated with Caddies Creek. The area is underlain by gentle slopes with little erosion. Much of the study area has been cleared of vegetation however native trees remain at the edges of water sources. Dams have been placed in various areas of paddocks. References in the Sydney Gazette in 1805 and worked glass material previously found in the area indicates the possibility of contact materials. Extensive land disturbance has occurred in some of the study area however the hillslope (containing PK/CD4, PK/CD5 AND PK/CD6) appear to be relatively undisturbed. The study area ranges from moderate to high archaeological potential. Sites PK/CD3 and PK/CD5 are low density with minimal archaeological significance. Sites PK/CD4 and PK/CD6 contain backed blades and showed no evidence of heat treatment areas, contrasting to PK/CD1 and PK/CD2, further downstream.

In 2002, Jo McDonald and Mary Casey conducted a survey commissioned by Rouse Hill Infrastructure Consortium in a development area near Second Points Creek. During the investigation, 22 archaeological sites, isolated finds and potential deposits were located. A sandstone bridge, weir and a dam in the development area are also considered valuable to

the investigation. The development area is located on the Cumberland Plain and overlies the Hawkesbury Sandstone, Ashfield Shale and Bringelly Shale subgroups. The areas underlain by the shale subgroups have produced hillslopes, terraces and alluvium landscapes. There are several nearby raw material sources for stone artefacts. Historically, the study area contained forests and woodland associated with clay soils derived from shales. Much of the study area has been cleared with severe soil disturbance however some areas remain intact. Predictive modelling in the investigation suggest that higher densities of artefacts will be found near shale hillslopes, ridges and first order tributaries. The sites identified in this investigation and previous investigations remain generally consistent with this trend.

In 2003 Biosis Research undertook an archaeological assessment of the site of the proposed school at Glenwood. The predictive model for the site predicted that there was a high likelihood of Aboriginal objects being present at the site and that due to the extensive vegetation cover subsurface investigations were recommended. Two artefacts and a potential scarred tree were identified during the site survey. The recommendations for the site included fencing of the scarred tree, application to impact permits for both of the isolated artefacts, and a program of archaeological testing.

In 2004 Biosis Research undertook the archaeological test excavation program that they had previously recommended during the investigation undertaken in 2003, including a salvage and monitoring program on the Glenwood High School site, that they had previously assessed in 2003. Under a consent permit a series of 80 test pits were excavated, and a number of grader scrapes were undertaken from which 116 artefacts were recovered. 98% of the archaeological resource was found in a sub-surface context.

In 2006, Stedinger Associates was commissioned by EDAW Australia Pty Ltd to conduct an Aboriginal site survey and assessment of Waite Reserve CR710 in Acacia Gardens in Blacktown. During the survey one isolated artefact and a potential archaeological deposit was identified. The isolated artefact was a flake made of mudstone found at surface level. The PAD was moderately disturbed and at an elevated area. The study area is located on the Cumberland Plain primarily underlain by the Wianamatta Shales. Some areas of the geology are susceptible to erosion which has contributed to undulating hills, tertiary terraces and alluvial flats. The clay soils in the area are derived from the shales and historically would have supported open eucalypt woodlands. European settlement has resulted in much of the area being cleared and repurposed for agriculture. Modern vegetation consists of a mix of various introduced and native species. Several sites have been recorded in the 2km vicinity of the development area consisting mainly of open campsites, isolated finds and potential archaeological deposits.

In 2012, Godden Mackay Logan Heritage Consultants and Jo McDonald Cultural Heritage Management undertook an archaeological excavation of Aboriginal site 45-5-2653 within Lot 2 and Lot 4 Windsor Road, Kellyville. The excavation was carried out on a lower slope adjacent

to a third order stream. The excavation revealed a low density of artefacts. Backing was the most frequent type of modification that had been applied to artefacts. Backed artefacts comprised approximately four percent of the total assemblage. The significance of the site was assessed as being of low to moderate scientific significance. The deposit did not exhibit chronological stratification.

The assemblage was compared with other nearby assemblages from Second Ponds Creek to determine if changes in stream order, from second to fourth order streams influenced changes in the nature and complexity of the assemblage. The assemblage did not display the expected changes in correspondence to the stream order change. Other factors apart from the proximity to water influenced how the site was used and the corresponding makeup of the assemblage. The distance decay model was also applied. This considered changes in the artefact characteristics relative to rationing, as distance to the known raw material source of silcrete increased. Comparisons of the study area with other sites with varying distances of the known raw material source gave results that did not provide consistent support for the model (Godden Mackay Logan Heritage Consultants and Jo McDonald Cultural Heritage Management 2013:60-67).

6.2 AHIMS Search

A search of the AHIMS database records for the area within approximately 2 km radius of the study area identified 77 recorded sites. The sites are shown in Table 3 and Figure 14.

Site ID	Site name	Context	Site features	Site types
45-5-2027	PK/GD1 near Parklea	Open site	Artefact	Open Camp Site
45-5-2017	Belvis 7 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2018	Belvis 3 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2019	Belvis 2 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2020	Belvis 1 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2712	PAD-05-19	Open site	Artefact	
45-5-2713	PAD-05-18	Open site	Artefact	
45-5-2774	Bella Vista 5	Open site	Artefact	
45-5-2652	PAD33	Open site	Potential Archaeological Deposit (PAD) , Artefact	
45-5-2874	RH/SP20 (formerly PAD40)	Open site	Potential Archaeological Deposit (PAD)	
45-5-2876	Glen 1 duplicate of 45-5-2887	Open site	Artefact	
45-5-2877	Glen 2 duplicate of 45-5-2889	Open site	Artefact	
45-5-2887	Glen1 duplicate of 2876	Open site	Artefact	

45-5-2889	Glen2 duplicate of 45-5-2877	Open site	Artefact	
45-5-2890	RH/CR1	Open site	Artefact	
45-5-3288	BVFP3	Open site	Artefact : 1	
45-5-3289	BVFP1	Open site	Artefact : 2	
45-5-3290	BVFP2	Open site	Artefact : 2	
45-5-3291	BVFP4	Open site	Artefact : 1	
45-5-3354	BRO1	Open site	Artefact : 13	
45-5-3954	Fairway Drive IF1	Open site	Artefact : 1	
45-5-3955	Arnold Avenue IF1	Open site	Artefact : 1	
45-5-2570	RH/SG1	Open site	Artefact	Open Camp Site
45-5-2408	Bella Vista 2;	Open site	Artefact	Open Camp Site
45-5-2409	Bella Vista 3;	Open site	Artefact	Open Camp Site
45-5-2410	Bella Vista 4;	Open site	Artefact	Isolated Find
45-5-2294	PK/PC2 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0973	Powers Lane 4;PL-4;	Open site	Artefact	Open Camp Site
45-5-0981	OWR IF 2;	Open site	Artefact	Open Camp Site
45-5-0989	OWR IF2;	Open site	Artefact	Open Camp Site
45-5-0910	PK/CD 1 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0911	PK/CD 2 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0912	PK/CD 3 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0913	PK/CD4 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0914	PK/CD 5 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0929	PK/PC 5;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0935	Powers Lane 1;	Open site	Artefact	Open Camp Site
45-5-0936	Powers Lane 2;	Open site	Artefact	Open Camp Site
45-5-0937	Powers Lane 3;	Open site	Artefact	Open Camp Site
45-5-0939	PK/PC 4;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0940	PK/CD7;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2281	PK/PC2;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2282	PK/PC3;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2293	PK/PC1 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0962	OWR 7;Rouse Hill;	Open site	Artefact	Open Camp Site

45-5-0963	OWR 8;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2365	KV/CD1 and NWRL PAD 8	Open site	Artefact , Potential Archaeological Deposit (PAD)	Open Camp Site
45-5-2366	KV/NW1 (Northwest Estate Kellyville)	Open site	Artefact	Open Camp Site
45-5-0492	Bella Vista 1	Open site	Artefact	Open Camp Site
45-5-3063	Burns Road Compound PAD	Open site	Potential Archaeological Deposit (PAD)	
45-5-3064	Burns Road North IF1	Open site	Artefact	
45-5-0916	PK/CD 6 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-3518	Acacia 01	Open site	Artefact	
45-5-3519	Acacia PAD 01	Open site	Artefact	
45-5-3703	Kings Langley 1	Open site	Artefact	
45-5-3704	Kings Langely 2	Open site	Burial	
45-5-3706	Kings Langley 4	Open site	Artefact	
45-5-3707	Kings Langley 5	Open site	Artefact	
45-5-4261	NWRL PAD 9 - Duplicate of 45-5-4846	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4262	NWRL PAD7 - Potential duplicate of 45-5-4841	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4263	NWRL PAD5 - Duplicate of 45-5-4843	Open site	Potential Archaeological Deposit (PAD) : 1	
45-5-4264	NWRL PAD 4 - Potential Duplicate of 45-5-4839	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4195	Corner of Taggart Way and Balmoral Road	Open site	Artefact : 1	
45-5-2443	Belvis 4	Open site	Artefact	Open Camp Site
45-5-3081	OWR 8	Open site	Artefact : 1	
45-5-3158	WR-IF-1	Open site	Artefact : 1	
41-5-0010	PK/PC6	Open site	Artefact : 13	
45-5-3192	PL-OS-1	Open site	Artefact : 3	
45-5-3193	ML-OS-2	Open site	Artefact : 8	
45-5-3194	ML-OS-1	Open site	Artefact : 4	
45-5-3195	ML-OS-3	Open site	Artefact : 3	
45-5-3196	PL-OS-2	Open site	Artefact : 8	

45-5-3199	Acacia - PAD - 01	Open site	Potential Archaeological Deposit (PAD)	
45-5-3200	Acacia - 01	Open site	Artefact	
45-5-3844	MA1 (Riverstone)	Open site	Artefact : 1	
45-5-3845	MA2 (Riverstone)	Open site	Artefact : 3	
45-5-3846	MA3 (Riverstone)	Open site	Artefact : 3	
45-5-3847	MA4 (Riverstone)	Open site	Artefact : 4	
45-5-4838	14 Cumbelege Lane1 and NWRL PAD 6	Open site	Artefact , Potential Archaeological Deposit (PAD)	
45-5-4839	NWRL PAD 4 - Potential Duplicate of 45-5-4264	Open site	Potential Archaeological Deposit (PAD)	
45-5-4841	NWRL PAD 7 - Potential duplicate of 45-5-4262	Open site	Potential Archaeological Deposit (PAD)	
45-5-4843	NWRL PAD 5 - Duplicate of 45-5-4263	Open site	Potential Archaeological Deposit (PAD)	
45-5-4846	NWRL PAD 9 - Duplicate of 45-5-4261	Open site	Potential Archaeological Deposit (PAD)	
45-5-4905	Fairway Drive AFT 2	Open site	Artefact	
45-5-4906	Fairway Drive AFT 1	Open site	Artefact	
45-5-4775	31-33 Fairway Drive Kellyville	Open site	Artefact : 15	

Table 3: List of site records obtained from AHIMS database from a 2 km search radius.

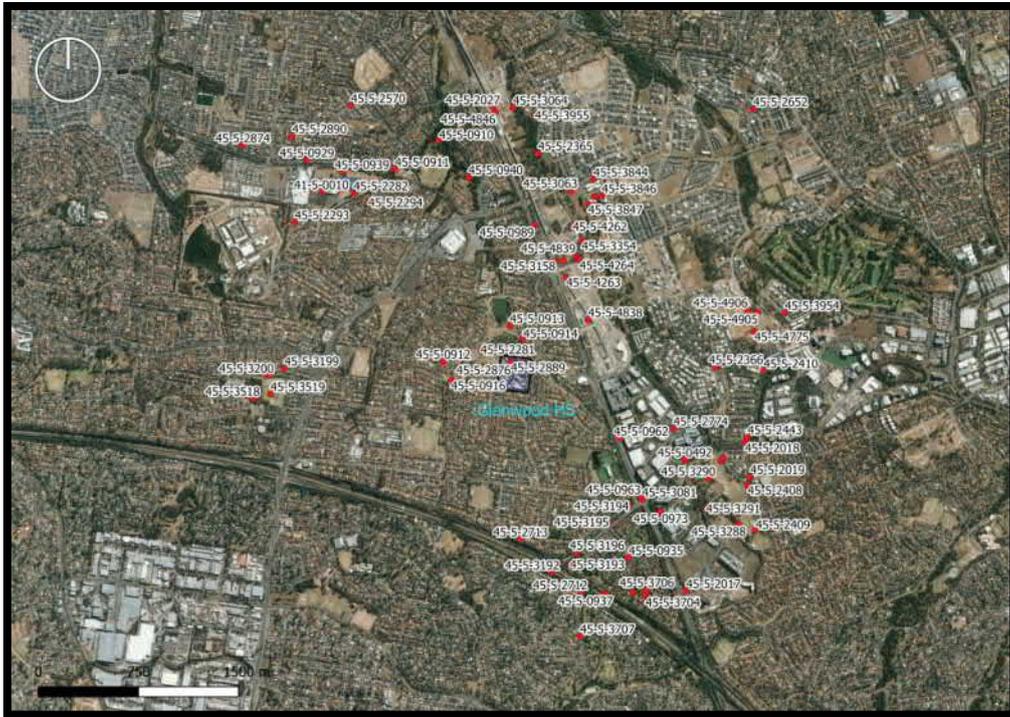


Figure 14: Image showing the location of recorded Aboriginal sites from the AHIMS search using a 2km radius search area. Glenwood High School is shown at the centre of the image. Aerial image source Six Maps © Department Finance, Services and Innovation, NSW Government.

7 Historical Land Use

The land on which the Glenwood High School is located was the traditional lands of the people of the Darug language group, and was probably the traditional lands of the Bediagal Clan (Attenbrow 2002:23-24). With European occupation and colonisation of the land came the displacement of people from their traditional lands, and the introduction of land clearing and farming practices that had never been previously used on the continent. Land grants in the area that is known today as Glenwood began to occur during 1818 (Thorp et al. 1993:11). The land where Glenwood High School is located was first granted to William Randall as a 100acre grant on the 13 January 1818. Figure 17 shows the record of the land grant to William Randall in 1818 in what was originally, the District of Bathurst, Parish of Gidley. This was Portion 64 of the Parish of Gidley. Records show that Randall did not hold on to the land for long. Portion 64 was transferred to Daniel Brien and Timothy Brien, and then to James Pearce in 1832, and then Mathew Squire Pearce, a Kellyville farmer, in 1897. In 1901 the land was transferred to Arthur Brien, a Seven Hills farmer, and then the land passed through several other owners until 1974 when it was subjected to a resumption by the Housing Commission of NSW (NSW Land Registry Services: Application 10362; Vol 1239-175; Vol 1341-157).

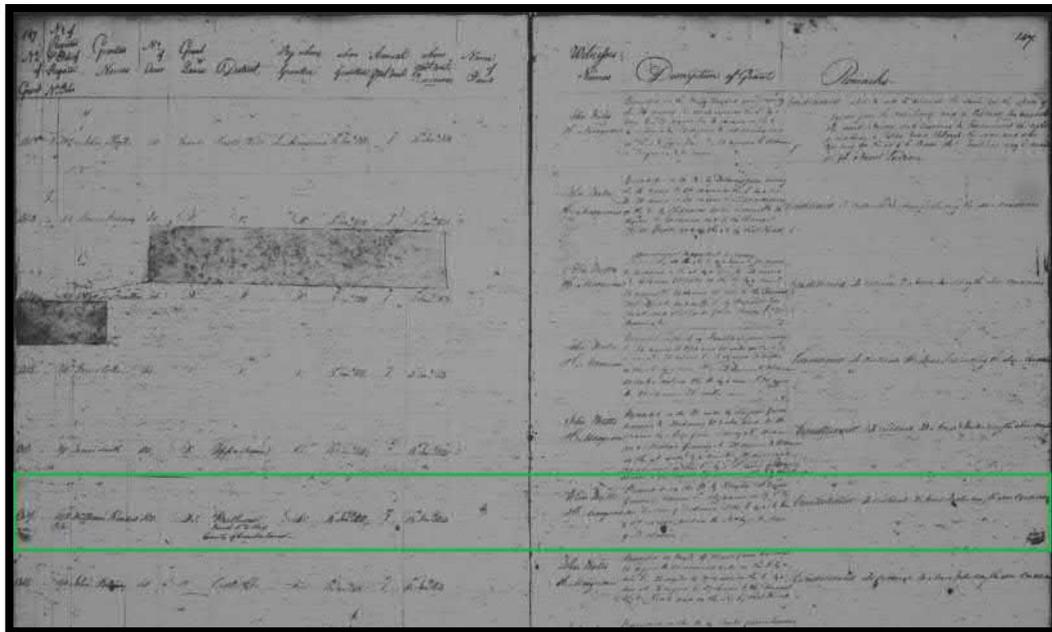


Figure 17: Register of land grant showing the 100acre grant to William Randall in the former District of Bathurst, Parish of Gidley (State Archives NSW NRS-13836 Registers of land grants and leases 7/447 Reel 2561).

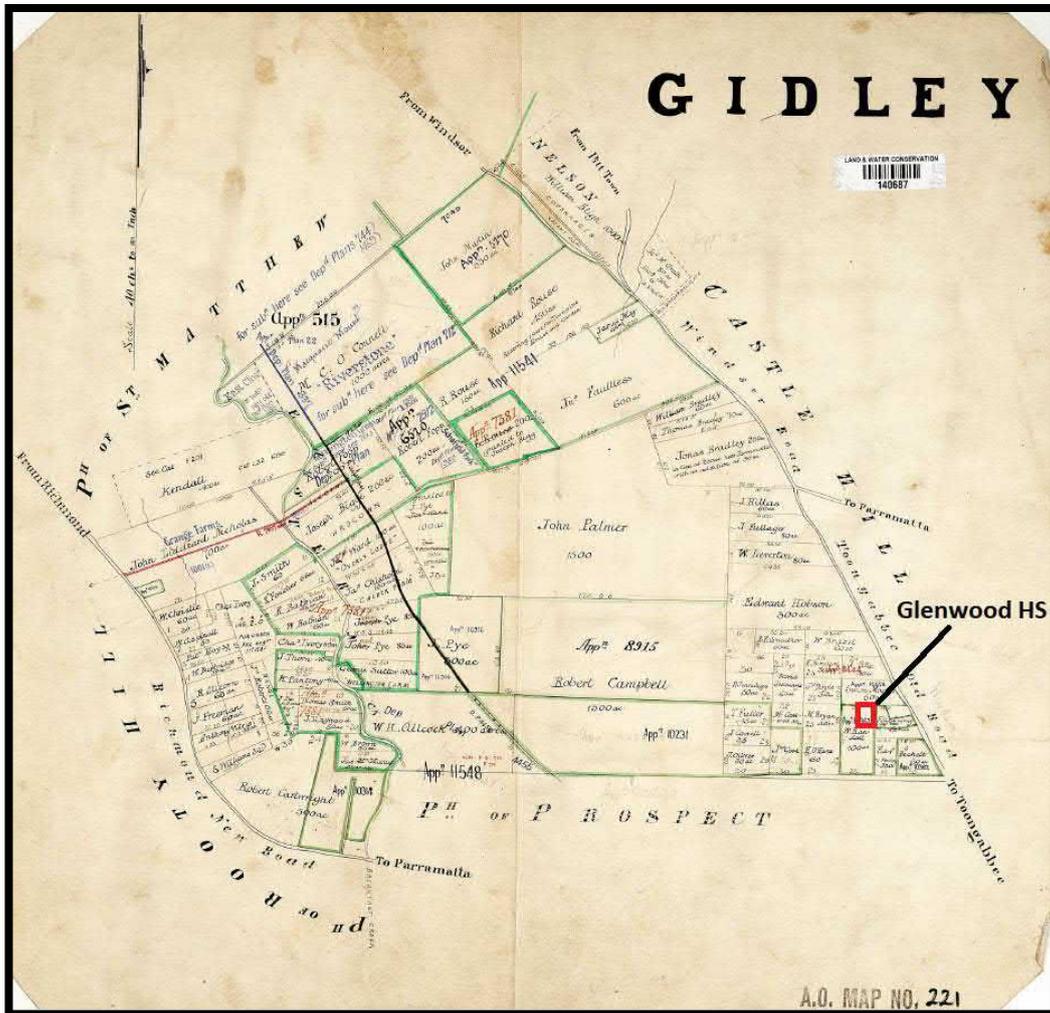


Figure 15: Early Parish map of Gidley showing the location of the Glenwood High School (Source NSW LRS HLRV Parish of Gidley).

Research of the study area does not indicate that there were any early buildings, dwellings or other structures on the site of the Glenwood High School. Early aerial images of the site from 1955 show the study area as being partially cleared on the west side and partially vegetated to the east. There is no evidence of furrows or cultivation in this image suggesting that the study area was probably initially used for grazing. Aerial imagery from the 1970s show the presence of furrows from cultivation on the western half of the study area indicating that this part of the study area was used for crop production around this time. Images from 1986 show that there was no further changes in the use of the land. In 1994, whilst the land use remains unchanged there is evidence of the impacts upon the north-eastern corner of the study area from the shaping of the drainage channels associated with the modifications of the stream channel.



Figure 16: 1955 Aerial Photo of the Glenwood High School site (Source: Spatial Services NSW Government).

7.1 Site Disturbance

A visual inspection of the Glenwood High School was carried out on the 12th of August 2020 as part of the original due diligence assessment. All of the locations within the proposed development footprint were inspected by archaeologists William Moon and Danielle Mitchell. There is evidence that the study area and development footprint have been subjected to land clearing and some degree of modification associated with the installation of the temporary buildings and the associated services to these buildings. There is also evidence in the aerial imagery sourced for the assessment that shows the civil works associated with the remodelling and changes to the nearby stream channels have impacted upon the northeast corner of the study area (refer to Figure 17).

The results of geotechnical investigations undertaken at the study area found that in all of the bore hole locations within the development footprint that soils consisted of fill above the sterile B Horizon clays. There were no natural soils present in the A Horizon. The bore holes were located within the area observed in earlier aerial imagery that shows signs of earthworks

associated with the creek channel modifications, and where the temporary school buildings have been located.



Figure 17: Aerial Image from 1994 showing that civil works associated with the remodelling of the stream have intruded into the study area (Source: Spatial Services NSW).

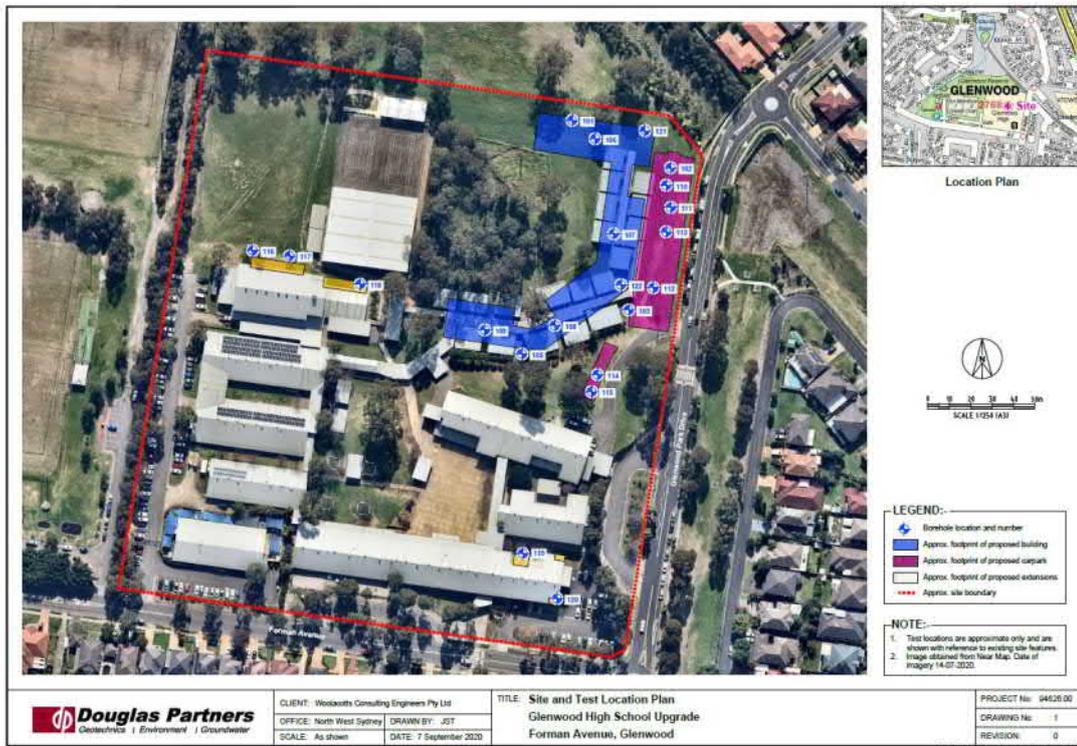


Figure 18: Map of geotechnical bore hole locations (Source SINSW).

8 Predictive Model

The predictive model for this assessment is described in the detailed Investigation Methodology included as Appendix 4.

9 Archaeological Survey

A site inspection and survey was carried out on the Wednesday the 12th of August 2020 by William Moon and Danielle Mitchell (Tocomwall Senior Archaeologists) as part of the initial Due Diligence Assessment that was carried for the study area. The fieldwork involved undertaking an inspection of the Glenwood High School grounds and the location of the proposed development. The inspection sought to identify any Aboriginal objects and to assess the study area to determine the degree of soil surface modification. An inspection was carried out of exposures on the ground to determine if any Aboriginal objects were present. No Aboriginal objects were found during the site inspection. A photographic record of the site and conditions was created during the visit. The location of the development footprint was visually assessed and considered likely to include extant soil profiles that have the potential to include Aboriginal objects.

A further archaeological survey was undertaken on Friday the 12th of February 2021 in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, 2010. The archaeological survey was undertaken with Dani Mitchell (Senior Archaeologist), Rodney Gunther (RAP), and Jemma Khan (RAP). The location of the development footprint was visually assessed and considered likely to include extant soil profiles that have the potential to include Aboriginal objects. Details of the results of the archaeological survey are described in the Archaeological Report included as Appendix 6.

10 Test Excavation

A test pit excavation program was undertaken on the 6th of March 2021 in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (2010) and the project archaeological investigation methodology. Details of the results of the archaeological test excavations are described in the Archaeological Report included as Appendix 6.

11 Aboriginal Community Consultation

11.1 Stage 1 Notification of project proposal and registration of interest

The purpose of the stage 1 notification is to identify, notify and register Aboriginal people who hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the area of the proposed project.

11.1.1 Identification of relevant Aboriginal stakeholders

An inquiry with the NNTT, determined the project area to be freehold and clear of any native title determinations. In accordance with step 4.1.2 in the Aboriginal cultural heritage consultation requirements for proponents 2010, Tocomwall contacted the following organisations for information on Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places in the project area:

- Heritage NSW
- Deerubbin Aboriginal Land Council
- The Registrar, *Aboriginal Land Rights Act 1983*
- National Native Title Tribunal
- Native Title Services Corporation (NTSCORP)

1. Public notice

In accordance with the consultation guidelines (2010), a notice was placed in the local newspaper:

- Blacktown Advocate on the 17th December 2020

The advertisement invited the registration of interest from 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. There were no responses to the advertisement.

2. Registration of Aboriginal parties

In accordance with step 4.1.3 of the Aboriginal cultural heritage consultation requirements for proponents 2010, an invitation was sent to the list of Aboriginal organisations and names provided in step 4.1.2, inviting Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or places(s) in the project area, to register an interest (Appendix 3). There were 11 organisations/people that responded:

- A1 Indigenous Services Pty Ltd
- Darug Custodian Aboriginal Corporation
- Didge Ngunawal Clan
- Freeman & Marx Pty Ltd
- Gulaga
- Kamilaroi Yankuntjatjara Working Group
- Muragadi Heritage Indigenous Corporation
- Murra Bidgee Mullangari Aboriginal Corporation
- Murramarang
- Waawaar Awaa Aboriginal Corporation
- Yulay Cultural Services

A copy of the notification from 4.1.3 and a list of names of Aboriginal persons who registered an interest, was sent to Heritage NSW and Deerubbin Local Aboriginal Land Council in accordance with step 4.1.6 of the Aboriginal cultural heritage consultation requirements for proponents 2010 (Appendix 3).

11.2 Stage 2 presentation of information about the proposed project

The purpose of stage 2 of the consultation process is to provide registered Aboriginal parties with information about the scope of the proposed project and the proposed cultural heritage assessment process.

3. Presentation of Project Information Pack

Tocomwall provided a project information pack to all registered parties in accordance with step 4.2 in the Aboriginal cultural heritage consultation requirements for proponents 2010. The project information pack included project details, objectives of the Aboriginal heritage assessment, roles and responsibilities and a project schedule. The cover note and information pack can be found in Appendix 4.

11.3 Stage 3 gathering information about cultural significance

The purpose of stage 3 is to facilitate a process whereby registered Aboriginal parties can:

- Contribute to culturally appropriate information gathering and the research methodology
- Provide information that will enable the cultural significance of Aboriginal objects and/or places on the proposed project area to be determined
- Have input into the development of any cultural heritage management options

4. Archaeological assessment methodology information pack

As specified in stage 3 of the Aboriginal cultural heritage consultation requirements for proponents 2010, an ACHA methodology, was sent to the registered parties for feedback on the 13th January 2021.

Knowledge holders were given 28 days to provide feedback. Responses can be found in Appendix 4.

5. Test excavation notification

In accordance with section 3, requirement 15c of the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales*, notification for the test excavation was sent to Heritage NSW on the 2nd of February 2021. A revision of the test pit configuration was sent to Heritage NSW on the 15th of February 2021.

11.4 Stage 4 review of draft Aboriginal cultural heritage assessment report

The purpose of stage 4 is to prepare and finalise an Aboriginal cultural heritage assessment report with input from registered Aboriginal parties. The draft ACHAR will be sent to the registered Aboriginal parties for review and for an opportunity to provide feedback within 28 days. Correspondence and responses are included in Appendix 1 – Consultation Log and Appendix 5.

12 Analysis and Discussion

The results of the background research for the study area and development footprint suggests that it was once likely to have included Aboriginal objects in both a surface and subsurface context. The test excavation has revealed that the soils have been disturbed in the proposed development footprint. This disturbance indicates that the development footprint of the existing school buildings, demountables and school grounds went beyond the development footprint that was the basis of the archaeological assessment undertaken by Biosis (2003; 2004). This extended impact from the development may have occurred after the original school construction, however there is no evidence that it was assessed or investigated for its archaeological potential or for Aboriginal objects prior to being impacted. It is apparent that the

study area and proposed development footprint was both levelled incorporating introduced fill material, and that foundations and services for the demountable buildings were installed, all being outside of the development footprint which was the basis of the original Biosis assessment. As no further assessments had been undertaken since the Biosis assessment, it was considered likely that there would be extant soil profiles remaining within the proposed development footprint. Additionally, the tree cluster in the centre of the school adjacent to the proposed development footprint is considered to be on the original surface profile, and that there would a transition from the original profile with intact soils, to the disturbed area where the demountable buildings are located. The test excavations have revealed that the soils in this transition area are also extensively disturbed, and that this disturbance is likely to have occurred without the prior consideration for the archaeological potential of the study area.

13 Aboriginal cultural significance assessment

13.1 Introduction to the assessment process

The Burra Charter defines cultural significance as meaning the ‘aesthetic, historic, scientific, social or spiritual value for past, present or future generations. Cultural significance is embodied in the place itself, its fabric, setting, use, associations, meanings, records, related places and related objects. Places may have a range of values for different individuals or groups (Australia ICOMOS 2013).’

The assessment process for this study is set out in the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010, the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011, and the Aboriginal cultural heritage consultation requirements for proponents 2010.

The NSW Heritage Management System includes three steps that are required for the management of heritage items. These steps include:

Investigate significance

Assess significance

Manage significance (NSW Heritage Office 2004).

The first stage of this ACHA was to investigate significance. This investigation process is defined in the ACHA methodology for the project. The investigations carried out at the study area in accordance with this methodology, including the review of existing sites information, review of studies carried within the locality, Aboriginal knowledge holder inputs, review of the landscape context and existing models, predictive model, site survey, and test excavation program, found that there were no Aboriginal archaeological sites, objects, PAD

or Places located within the boundary of the study area. There are no known social or cultural values associated with the study area.

14 Aboriginal Cultural Significance Assessment

14.1 Social and Cultural Value

'Social or cultural value refers to the spiritual, traditional, historical or contemporary associations and attachments the place or area has for Aboriginal people. Social or cultural value is how people express their connection with a place and the meaning that place has for them' (OEH 2011).

There are no known social or cultural values associated with the study area. No social or cultural values have been identified or communicated for the study area during the consultation process.

14.2 Historic Value

The Australia ICOMOS Burra Charter 1999 describes 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'*.

There are also no known historic values associated with the study area. No historic values have been identified or communicated for the study area during the consultation process, nor as part of the historical research for the study area.

14.3 Scientific Significance

The Australia ICOMOS Burra Charter 1999 describes scientific significance as follows: *'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'*.

The study area is considered to be of low scientific significance. There were no Aboriginal objects, sites, or PAD identified during the archaeological survey, or during the test excavation program and consultation process. There are no registered sites on AHIMS within the development footprint. The site of the development footprint is considered to be highly disturbed from past development. There was no material evidence identified during the

assessment to inform the understanding of the past Aboriginal use of the landscape and there are no known scientific values for the study area.

14.4 Aesthetic Value

The Australia ICOMOS Burra Charter 1999 describes Aesthetic value as including 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'*.

The study area has been significantly modified from its original state including the extensive modification of the landscape associated with the construction of the Glenwood High School and the associated sports fields. The study area is now considered to be of low aesthetic significance. No aesthetic values have been expressed or communicated during the consultation process.

14.5 Educational Significance

The Australia ICOMOS Burra Charter 1999 describes 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'*.

The study area is considered to be of low educational significance. There were no Aboriginal objects, sites, PAD or places identified within the study area and the original soil profiles at the site are now considered destroyed. No social or cultural values have been expressed or communicated during the consultation process. No educational values have been identified as part of this assessment.

14.6 Representative Significance

The Australia ICOMOS Burra Charter 1999 describes 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'*.

The study area is considered to be of low representative significance. There were no Aboriginal objects, sites, PAD or places identified within the study area and the original soil profiles at the site are now considered destroyed. No social or cultural values have been expressed or communicated during the consultation process. No Representative significance values have been identified as part of this assessment.

14.7 Rarity

There were no Aboriginal objects, sites, PAD or places identified within the study area and the original soil profiles at the site are now considered destroyed. No social or cultural values have been expressed or communicated during the consultation process.

14.8 Statement of Significance

There were no Aboriginal objects, sites, PAD or places identified within the study area and the original soil profiles at the site are now considered destroyed. No social, cultural, historical or aesthetic values have been expressed or communicated during the consultation process.

There are no known Aboriginal cultural heritage values for the study area or proposed development footprint.

15 Proposed Development Limitations and Mitigation Measures

15.1 Development Impacts

The proposed development for the study area as described in Section 4 will involve the disturbance of the ground for the construction of the new development. This will include the excavation for footings and services, and levelling for concrete slab bases, and the provision of parking facilities.

15.2 Potential Risks to Aboriginal Cultural Heritage

There were no Aboriginal objects, sites, PAD or Places identified during the archaeological survey and archaeological test excavation program, there are no registered sites on AHIMS for the location of the proposed development, and there were no cultural heritage values communicated for the study area during the consultation process. The site of the development footprint is considered to be highly disturbed from past development at the school site. There is no Aboriginal cultural heritage that has been identified for the study area and proposed development footprint that would be harmed by the proposed development.

15.3 Avoiding Harm to Aboriginal heritage

There is no Aboriginal cultural heritage that has been identified for the study area and proposed development footprint that would be harmed by the proposed development.

15.4 Management and Mitigation of Measures

There is no Aboriginal cultural heritage that has been identified for the study area and proposed development footprint that would be harmed by the proposed development. No management or mitigation measures are considered necessary.

16 Impact Assessment

There are no known Aboriginal objects, sites or PAD at the proposed development footprint that will be impacted by development.

17 Management and Mitigation Measures

There are no known Aboriginal objects, sites, PAD or Places at the site. The objective of the test excavation program was to inform the management and mitigation measures for the study area, however there were no Aboriginal objects located during the test excavation program.

18 Recommendations

No Aboriginal archaeological sites, objects, PAD or Places were located within the development and construction footprint. The study area is situated on a landform that has also been subjected to historic land clearance, and development associated with the school grounds and the installation of the demountable buildings.

The proposed works are considered unlikely to harm Aboriginal objects, and no sites, PADs or Aboriginal Places were identified within the subject lands during the survey, consultation and test excavation program. The land within the development footprint is considered to have low to nil potential to retain extant archaeological sites, objects, or PAD.

These recommendations are provided on the basis of the recognition of the legal requirements and automatic statutory protection provided to Aboriginal 'objects' and 'places' under the terms of the *National Parks and Wildlife Act of 1974* (as amended), and as outlined in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales* (DECCW 2010).

The recommendations are:

- On the basis of the results of this ACHA, there should be no Aboriginal cultural heritage constraints for the proposed development;
- If any unanticipated Aboriginal archaeological objects, sites or PAD are identified during the construction program within the impact footprints, works should cease immediately, and notify Heritage NSW;

- If any human remains are identified during the earthworks within the impact footprints works, should cease immediately and the Police and NSW Heritage should be contacted;
- Consultation with the registered Aboriginal stakeholders should continue, and an opportunity will be provided for their review and comment on the results and recommendations of this report. These comments will be included in the final format of this report.

19 References

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20 AHIMS Searches



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

Your Ref/PO Number : Glenwood2
Client Service ID : 525918

SiteID	SiteName	Datum	Zone	Eastings	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-5-2027	PK/GD1 near Parklea	GDA	56	308700	6267640	Open site	Partially Destroyed	Artefact :-	Open Camp Site	3768
	Contact									
	Recorders									
45-5-2017	Belvia 7 (Bella Vista)	AGD	56	310040	6263800	Open site	Valid	Artefact :-	Open Camp Site	4153,98740
	Contact									
	Recorders									
45-5-2018	Belvia 3 (Bella Vista)	AGD	56	310480	6264920	Open site	Valid	Artefact :-	Open Camp Site	4153,98740
	Contact									
	Recorders									
45-5-2019	Belvia 2 (Bella Vista)	AUD	56	310520	6264660	Open site	Valid	Artefact :-	Open Camp Site	4153,98740
	Contact									
	Recorders									
45-5-2020	Belvia 1 (Bella Vista)	AGD	56	310100	6264780	Open site	Valid	Artefact :-	Open Camp Site	4153
	Contact									
	Recorders									
45-5-2712	PAD-05-19	AGD	56	309250	6263790	Open site	Valid	Artefact :-		98740
	Contact									
	Recorders									
45-5-2713	PAD-05-18	AGD	56	308800	6264190	Open site	Valid	Artefact :-		98740
	Contact									
	Recorders									
45-5-2774	Bella Vista 5	AGD	56	309945	6265025	Open site	Valid	Artefact :-		98740
	Contact									
	Recorders									
45-5-2652	PAD33	AGD	56	310542	6267435	Open site	Valid	Potential Archaeological Deposit (PAD) :- Artefact :-		98053,102579
	Contact									
	Recorders									
45-5-2874	RR/GP20 (formerly PAD40)	AGD	56	306720	6267160	Open site	Valid	Potential Archaeological Deposit (PAD) :- Artefact :-		2002,2011,3636,3638
	Contact									
	Recorders									
45-5-2876	Glen 1 duplicate of 45-5-2887	AGD	56	308727	6265520	Open site	Valid	Artefact :-		1783,2366
	Contact									
	Recorders									
45-5-2877	Glen 2 duplicate of 45-5-2889	AGD	56	308727	6265526	Open site	Valid	Artefact :-		1745
	Contact									
	Recorders									
45-5-2887	Glen1 duplicate of 2876	AGD	56	308727	6265520	Open site	Valid	Artefact :-		98740
	Contact									
	Recorders									
45-5-2889	Glen2 duplicate of 45-5-2877	AGD	56	308727	6265526	Open site	Valid	Artefact :-		98740
	Contact									
	Recorders									
45-5-2890	RR/CB1	AGD	56	307990	6267230	Open site	Valid	Artefact :-		1787
	Contact									
	Recorders									

Report generated by AHIMS Web Service on 06/08/2020 for William Moon for the following area at Datum :GDA, Zone : 56, Eastings : 306870 - 310870, Northings : 6263628 - 6267628 with a Buffer of 50 meters. Additional Info : Due Diligence Assessment and ACHA. Number of Aboriginal sites and Aboriginal objects found is 86
This information is not guaranteed to be free from error omission. Office of Environment and Heritage (OEH) and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-5-3288	BVFP1	GDA	56	310540	6264494	Open site	Valid	Artefact : 1	Permits	
	Contact Searle									
	Recorders Ms.Fiona Leslie									
45-5-3289	BVFP1	GDA	56	310424	6264996	Open site	Valid	Artefact : 2	Permits	
	Contact Searle									
	Recorders Ms.Fiona Leslie									
45-5-3290	BVFP2	GDA	56	310313	6264839	Open site	Valid	Artefact : 2	Permits	
	Contact Searle									
	Recorders Ms.Fiona Leslie									
45-5-3291	BVFP4	GDA	56	310293	6264613	Open site	Valid	Artefact : 1	Permits	
	Contact Searle									
	Recorders Ms.Fiona Leslie									
45-5-3354	BRD1	GDA	56	309362	6266634	Open site	Destroyed	Artefact : 13	Permits	102579
	Contact T.Russell									
	Recorders Jo McDonald Cultural Heritage Management see GML,Kalisher Nightingale Consult									
45-5-3954	Fairway Drive IP1	GDA	56	310883	6266090	Open site	Valid	Artefact : 1	Permits	
	Contact									
	Recorders Mary Dallas Consulting Archaeologists (MDCA),Mr.Paul Irish									3400
45-5-3955	Arnold Avenue IP1	GDA	56	309911	6267529	Open site	Valid	Artefact : 1	Permits	
	Contact									
	Recorders Mary Dallas Consulting Archaeologists (MDCA),Mr.Paul Irish									3401,3402
45-5-2570	RH/SO1	AGD	56	307330	6267460	Open site	Valid	Artefact : -	Permits	Open Camp Site 97858
	Contact									1693
	Recorders Helen Brayshaw									
45-5-2408	Bella Vista 2	AGD	56	310500	6264600	Open site	Valid	Artefact : -	Permits	Open Camp Site 98740
	Contact									
	Recorders Helen Brayshaw,Ms.Laila Haglund									
45-5-2409	Bella Vista 3	AGD	56	310560	6264260	Open site	Valid	Artefact : -	Permits	Open Camp Site 98740
	Contact									
	Recorders Helen Brayshaw,Ms.Laila Haglund									
45-5-2410	Bella Vista 4	AGD	56	310620	6265460	Open site	Valid	Artefact : -	Permits	Isolated Find 98740
	Contact									
	Recorders Helen Brayshaw,Ms.Laila Haglund									
45-5-2294	PK/PC3 Rouse Hill	AGD	56	307660	6266730	Open site	Valid	Artefact : -	Permits	Open Camp Site 2544
	Contact									
	Recorders Helen Brayshaw									599,601,630
45-5-0973	Powers Lane 4,PL-4	AGD	56	309850	6364400	Open site	Valid	Artefact : -	Permits	Open Camp Site 98740
	Contact									616
	Recorders Denis Byrne,Tony Kosdek									
45-5-0981	OWR IP 2	AGD	56	308908	6266560	Open site	Valid	Artefact : -	Permits	Open Camp Site 102579
	Contact									604
	Recorders Ms.Tessa Corkill									
45-5-0989	OWR IP2	AGD	56	308908	6266560	Open site	Deleted	Artefact : -	Permits	Open Camp Site 102579
	Contact									
	Recorders Ms.Tessa Corkill									
45-5-0910	PK/CD 1 Rouse Hill	AGD	56	308190	6267200	Open site	Valid	Artefact : -	Permits	Open Camp Site 2499,98281
	Contact									
	Recorders Doctor Jo McDonald									599,644
45-5-0911	PK/CD 2 Rouse Hill	AGD	56	307860	6266980	Open site	Valid	Artefact : -	Permits	Open Camp Site 2495,97526,98281
	Contact									201
	Recorders Doctor Jo McDonald									509

Report generated by AHIMS Web Service on 06/08/2020 for William Mason for the following area at Datum :GDA, Zone : 56, Eastings : 306870 - 310870, Northings : 6263628 - 6267628 with a Buffer of 50 meters. Additional Info : Due Diligence Assessment and ACHA. Number of Aboriginal sites and Aboriginal objects found is 86
This information is not guaranteed to be free from error omission, Office of Environment and Heritage (NSW) and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

SiteID	Site-Name	Datum	Zone	Eastings	Northing	Context	Site Status	Site-Features	Site-Types	Reports
45-5-0492	Contact Bella Vista 1	Recorders AGD	56	310030	6264790	Open site	Destroyed	Artefact :-	Open Camp Site	945,1018,2499,98740
45-5-3063	Contact Burns Road Compound PAD	Recorders AGD	56	309176	6266819	Open site	Valid	Potential Archaeological Deposit (PAD) :-	432	102579
45-5-3064	Contact Burns Road North IP1	Recorders AGD	56	308744	6267445	Open site	Valid	Artefact :-	2241,2319	
45-5-0916	Contact PK/CD 6 Knize Hill	Recorders AGD	56	308280	6265390	Open site	Valid	Artefact :-	2242	2499,3674,98740
45-5-3518	Contact Acacia 01	Recorders GDA	56	306901	6265442	Open site	Valid	Artefact :-	599,605	101070
45-5-3519	Contact Acacia PAD 01	Recorders GDA	56	307032	6265478	Open site	Valid	Artefact :-		101070
45-5-3703	Contact Kings Langley 1	Recorders GDA	56	309840	6263990	Open site	Valid	Artefact :-		
45-5-3704	Contact Kings Langley 2	Recorders GDA	56	309840	6263960	Open site	Valid	Burial :-		
45-5-3706	Contact Kings Langley 4	Recorders GDA	56	309850	6264000	Open site	Valid	Artefact :-		
45-5-3707	Contact Kings Langley 5	Recorders GDA	56	309350	6263650	Open site	Valid	Artefact :-		
45-5-4261	Contact NWRL PAD 9 - Duplicate of 45-5-4846	Recorders GDA	56	308717	6267603	Open site	Destroyed	Potential Archaeological Deposit (PAD) :- 1, Artefact :-		
45-5-4262	Contact NWRL PAD7 - Potential duplicate of 45-5-4841	Recorders GDA	56	309294	6266739	Open site	Partially Destroyed	Potential Archaeological Deposit (PAD) :- 1, Artefact :-		
45-5-4263	Contact NWRL PAD5 - Duplicate of 45-5-4843	Recorders GDA	56	309246	6266360	Open site	Not a Site	Potential Archaeological Deposit (PAD) :- 1		

Report generated by AHIMS Web Service on 06/08/2020 for William Moon for the following area at Datum :GDA, Zone : 56, Eastings : 306670 - 310870, Northings : 6263628 - 6267628 with a Buffer of 50 meters. Additional Info : Due Diligence Assessment and ACHA. Number of Aboriginal sites and Aboriginal objects found is 86
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SiteID	SiteName	Datum	Zone	Eastings	Northings	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-5-0912	PK/CD 3 Rouse Hill	AGD	56	308220	6265530	Open site	Valid	Artefact :-	Open Camp Site	2499,98740
	Contact	Recorders	Doctor Jo McDonald							
45-5-0913	PK/CD4 Rouse Hill	AGD	56	308720	6265800	Open site	Valid	Artefact :-	Open Camp Site	2499,2674,98740
	Contact	Recorders	Doctor Jo McDonald							
45-5-0914	PK/CD 5 Rouse Hill	AGD	56	308820	6265700	Open site	Valid	Artefact :-	Open Camp Site	2499,2674,98740
	Contact	Recorders	Doctor Jo McDonald							
45-5-0919	PK/PC 5 Rouse Hill	AGD	56	307200	6267050	Open site	Valid	Artefact :-	Open Camp Site	2654,98281
	Contact	Recorders	Doctor Jo McDonald							
45-5-0935	Powers Lane 1:	AGD	56	309610	6264050	Open site	Valid	Artefact :-	Open Camp Site	98740
	Contact	Recorders	Denis Byrne							
45-5-0936	Powers Lane 2:	AGD	56	309640	6263790	Open site	Valid	Artefact :-	Open Camp Site	98740
	Contact	Recorders	Denis Byrne							
45-5-0937	Powers Lane 3:	AGD	56	309440	6263780	Open site	Valid	Artefact :-	Open Camp Site	98740
	Contact	Recorders	Denis Byrne							
45-5-0939	PK/PC 4 Rouse Hill	AGD	56	307460	6266960	Open site	Valid	Artefact :-	Open Camp Site	2654
	Contact	Recorders	Doctor Jo McDonald							
45-5-0940	PK/CD7 Rouse Hill	AGD	56	308410	6266920	Open site	Valid	Artefact :-	Open Camp Site	2656,98281
	Contact	Recorders	Doctor Jo McDonald							
45-5-2281	PK/PC2 Rouse Hill	AGD	56	308500	6265620	Open site	Valid	Artefact :-	Open Camp Site	1567,98740
	Contact	Recorders	Mary Dallas Consulting Archaeologists (MDCA)							
45-5-2282	PK/PC3 Rouse Hill	AGD	56	307550	6266800	Open site	Valid	Artefact :-	Open Camp Site	1567,98281
	Contact	Recorders	Mary Dallas Consulting Archaeologists (MDCA), Doctor Jo McDonald							
45-5-2293	PK/PC1 Rouse Hill	AGD	56	307110	6266580	Open site	Valid	Artefact :-	Open Camp Site	2544,98281
	Contact	Recorders	Helen Brayshaw							
45-5-0962	OWR 7 Rouse Hill	AGD	56	309550	6264950	Open site	Valid	Artefact :-	Open Camp Site	98740
	Contact	Recorders	Ms. Teesa Corckill							
45-5-0963	OWR 8 Rouse Hill	AGD	56	309700	6264510	Open site	Valid	Artefact :-	Open Camp Site	98740
	Contact	Recorders	Ms. Teesa Corckill							
45-5-2365	KV/CD1 and NWRL PAD B	GDA	56	309036	6267292	Open site	Valid	Artefact :-, Potential Archaeological Deposit (PAD) :-	Open Camp Site	3034,98740
	Contact	Recorders	Helen Brayshaw, Tony Kondok, Mr. Paul Irish, Kelleher Nightingale Consulting Pty Ltd							
45-5-2366	KV/NW1 (Northwest Estate Kellyville)	AGD	56	310260	6265490	Open site	Valid	Artefact :-	Open Camp Site	3034,4153,98740

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SiteID	Site-Name	Datum	Zone	Eastings	Northing	Context	Site Status	Site-Features	Site-Types	Reports
	Contact									
45-5-3846	MA3 (Riverstone)	GDA	56	309513	6266971	Open site	Valid	Artefact : 3		102467,102579
	Contact									
	Recorders									
	Jo McDonald Cultural Heritage Management see GML									
	Permits									
45-5-3847	MA4 (Riverstone)	GDA	56	309410	6266908	Open site	Valid	Artefact : 4		102467,102579
	Contact									
	Recorders									
	Jo McDonald Cultural Heritage Management see GML									
	Permits									
45-5-4838	14 Gimbelage Lane1 and NWRL PAD 6	GDA	56	309409	6266037	Open site	Destroyed	Artefact : Potential Archaeological Deposit (PAD) :-		
	Contact									
	Recorders									
	Kelleher Nightingale Consulting Pty Ltd,Kelleher Nightingale Consulting Pty Ltd,Mr									
	Permits									
45-5-4839	NWRL PAD 4 - Potential Duplicate of 45-5-4264	GDA	56	309316	6266521	Open site	Destroyed	Potential Archaeological Deposit (PAD) :-		
	Contact									
	Recorders									
	Kelleher Nightingale Consulting Pty Ltd,Ms,Kristen Taylor									
	Permits									
45-5-4841	NWRL PAD 7 - Potential duplicate of 45-5-4262	GDA	56	309307	6266750	Open site	Partially Destroyed	Potential Archaeological Deposit (PAD) :-		
	Contact									
	Recorders									
	Kelleher Nightingale Consulting Pty Ltd,Ms,Kristen Taylor									
	Permits									
45-5-4843	NWRL PAD 5 - Duplicate of 45-5-4263	GDA	56	309246	6266360	Open site	Not a Site	Potential Archaeological Deposit (PAD) :-		
	Contact									
	Recorders									
	Kelleher Nightingale Consulting Pty Ltd,Kelleher Nightingale Consulting Pty Ltd,Mr									
	Permits									
45-5-4846	NWRL PAD 9 - Duplicate of 45-5-4261	GDA	56	308717	6267603	Open site	Destroyed	Potential Archaeological Deposit (PAD) :-		
	Contact									
	Recorders									
	Kelleher Nightingale Consulting Pty Ltd,Ms,Kristen Taylor									
	Permits									
45-5-4905	Fairway Drive APT 2	GDA	56	310680	6266095	Open site	Valid	Artefact :-		
	Contact									
	Recorders									
	Kelleher Nightingale Consulting Pty Ltd,Ms,Kristen Taylor									
	Permits									4159
45-5-4906	Fairway Drive APT 1	GDA	56	310605	6266110	Open site	Valid	Artefact :-		
	Contact									
	Recorders									
	Kelleher Nightingale Consulting Pty Ltd,Ms,Kristen Taylor									
	Permits									4159
45-5-4775	31-33 Fairway Drive Kellyville	GDA	56	310655	6265950	Open site	Valid	Artefact : 15		
	Contact									
	Recorders									
	Mr,Dominic Steele									
	Permits									

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SiteID	SiteName	Datum	Zone	Eastings	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-5-4264	NWRL PAD 4 - Potential Duplicate of 45-5-4839	Recorders GDA	56	309346	6266488	Open site	Destroyed	Potential Archaeological Deposit (PAD) : 1, Artefact : -	Permits	
45-5-4195	Corner of Taggart Way and Balmoral Road	Recorders GDA	56	309223	6266481	Open site	Destroyed	Artefact : 1	Permits	
45-5-2443	Belvis 4	Recorders AGD	56	310500	6264960	Open site	Valid	Artefact : -	Open Camp Site 972	4153,98740
45-5-3081	OWR 8	Recorders AGD	56	309710	6264490	Open site	Valid	Artefact : 1	Permits	
45-5-3158	WR-IF-1	Recorders GDA	56	309165	6266483	Open site	Destroyed	Artefact : 1	Permits	102579
41-5-0010	PK/PC6	Recorders GDA	56	307413	6267000	Open site	Valid	Artefact : 13	Permits	
45-5-3192	PL-OS-1	Recorders AGD	56	309040	6263940	Open site	Valid	Artefact : 3	Permits	
45-5-3193	ML-OS-2	Recorders AGD	56	309170	6264000	Open site	Valid	Artefact : 8	Permits	
45-5-3194	ML-OS-1	Recorders AGD	56	309610	6264440	Open site	Valid	Artefact : 4	Permits	
45-5-3195	ML-OS-3	Recorders AGD	56	309460	6264320	Open site	Valid	Artefact : 3	Permits	
45-5-3196	PL-OS-2	Recorders AGD	56	309220	6264090	Open site	Valid	Artefact : 8	Permits	
45-5-3199	Acacia - PAD - 01	Recorders AGD	56	307032	6265478	Open site	Valid	Potential Archaeological Deposit (PAD) : -	Permits	99914
45-5-3200	Acacia - 01	Recorders AGD	56	306901	6265424	Open site	Valid	Artefact : -	Permits	99914
45-5-3844	MA1 (Riverstone)	Recorders GDA	56	309450	6267094	Open site	Valid	Artefact : 1	Permits	102467,10257 9
45-5-3845	MA2 (Riverstone)	Recorders GDA	56	309459	6266965	Open site	Valid	Artefact : 3	Permits	102467,10257 9

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Appendices

21 Appendix 1 – Consultation Log





Stage 1 – Notification of Project Proposal and Registration of Interest

Identify Aboriginal people who may have an interest for the proposed project area

Organisation	Date sent	Date received	Response
Heritage NSW	Email 1/12/20	Email 3/12/20	
Deerubbin Local Aboriginal Land Council	Email 1/12/20		
Office of the Registrar, <i>Aboriginal Land Rights Act 1983</i>	Email 1/12/20	Email 1/12/20	
National Native Title Tribunal	Email 1/12/20	Email 1/12/20	
Native Title Services Corporation Limited	Email 1/12/20		
Blacktown City Council	Email 1/12/20		

Registration of Interest

Organisation	Date sent	Date received	Response
A1 Indigenous Services	Email 17/12/20	Email 4/1/21	Registered interest
Amanda Hickey Cultural Services	Email 17/12/20		
Aragung Aboriginal Cultural Heritage Site Assessments	Email 17/12/20		
B.H. Heritage Consultants	Email 17/12/20		
Barking Owl Corporation	Email 17/12/20		
Biamanga	Email 17/12/20		
Bilinga	Email 17/12/20		
Butucarbin Aboriginal Corporation	Email 17/12/20		
Callendulla	Email 17/12/20		
Darug Aboriginal Cultural Heritage Assessments	Email 17/12/20		
Darug Aboriginal Land Care	Email 17/12/20		

Darug Boorooberongal Elders Aboriginal Corporation	Email 17/12/20		
Darug Custodian Aboriginal Corporation	Email 17/12/20	Email 13/1/21	
Deerubbin Local Aboriginal Land Council	Email 17/12/20		
Dharug	Email 17/12/20		
Dhinawan Culture & Heritage Pty Ltd	Email 17/12/20		
Didge Ngunawal Clan	Email 17/12/20	Email 17/12/20	Would like to register an interest
DJMD Consultancy	Email 17/12/20		
Freeman & Marx Pty Ltd	Email 17/12/20	Email 18/12/20	Would like to register an interest
Ginninderra Aboriginal Corporation	Email 17/12/20		
Goodradigbee Cultural & Heritage Aboriginal Corporation	Email 17/12/20		
Gulaga	Email 17/12/20	Email 18/12/20	Registered interest
Gunyuu	Email 17/12/20		
Jerringong	Email 17/12/20		
Kamilaroi Yankuntjatjara Working Group	Email 17/12/20	Email 5/1/21	Would like to be involved



Minnamunnung	Email 17/12/20		
Munyunga	Email 17/12/20		
Muragadi	Email 17/12/20	Email 18/12/20	Please register for project
Murra Bidgee Mullangari Aboriginal Corporation	Email 17/12/20	Email 18/12/20	Registered interest
Murramarang	Email 17/12/20	Email 20/12/20	Registered interest
Murrumbul	Email 17/12/20		
Ngambaa Cultural Connections	Email 17/12/20		
Nundagurri	Email 17/12/20		
Paul Gale	Email 17/12/20		
Pemulwuy CHTS	Email 17/12/20		
Thauaira	Email 17/12/20		
Thoorga Nura	Email 17/12/20		
Waawaar Awaa Aboriginal Corporation	Email 17/12/20	Email 14/1/21	Registered interest
Wailwan Aboriginal Group	Email 17/12/20		
Walbunja	Email 17/12/20		



Walgalu	Email 17/12/20		
Warragil Cultural Services	Email 17/12/20		
Wingikara	Email 17/12/20		
Wurrumay Pty Ltd	Email 17/12/20		
Yerramurra	Email 17/12/20		
Yulay Cultural Services	Email 17/12/20	Email 12/1/21	
Yurrandaali Cultural Services	Email 17/12/20		
HSB Consultants	Post 18/12/20		
Mura Indigenous Corporation	Post 18/12/20		
Wullung	Post 18/12/20		
Goobah	Post 18/12/20		
Bidjawong Aboriginal Corporation	Post 18/12/20		Returned to sender
Badu	Post 18/12/20		
Anthony Williams	Post 18/12/20		
Muragadi Heritage Indigenous Corporation	Post 18/12/20		



Stage 2 – Presentation of information about the proposed project

Provide registered Aboriginal parties with information

Organisation	Date sent	Date received	Response
A1 Indigenous Services Pty Ltd	Email 13/1/21		
Darug Custodian Aboriginal Corporation	Email 13/1/21		
Didge Ngunawal Clan	Email 13/1/21		
Freeman & Marx Pty Ltd	Email 13/1/21		
Gulaga	Email 13/1/21		



Kamilaroi Yankuntjatjara Working Group	Email 13/1/21		
Muragadi	Email 13/1/21		
Murra Bidgee Mullangari Aboriginal Corporation	Email 13/1/21		
Murramarang	Email 13/1/21		
Waawaar Awaa	Email 13/1/21		
Yulay	Email 13/1/21		

Example letter of invitation sent to registered Aboriginal stakeholders to visit the site.



From: Will Moon

Sent: Monday, 8 February 2021 1:21 PM

To: Will Moon <william@tocomwall.com.au>

Subject: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood - Opportunity to visit the site

Dear Knowledge holder,

As part of the Aboriginal cultural heritage consultation requirements for proponents 2010, Tocomwall has arranged for access to the Glenwood High School in order to provide an opportunity for you to learn more about the project and ask any questions you may have. Please note that the site visit is voluntary and is not paid.

If you would like to attend, please reply to this email by close of business Thursday February 11th.

Regards

Will Moon

Archaeologist

Tocomwall Pty Ltd

m: 0419399230

e: william@tocomwall.com.au

www.tocomwall.com.au



Breach of Confidentiality

This email and any files transmitted with it are confidential and intended solely for the use of the individual to whom they are addressed. If you have received this email in error please notify the sender. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking

Stage 3 – Gathering information about cultural significance

Step 1 - Project methodology

Organisation	Date sent	Date received	Response
A1 Indigenous Services Pty Ltd	Email 13/1/21		
Darug Custodian Aboriginal Corporation	Email 13/1/21	Email 14/2/21	Supports the recommendations
Didge Ngunawal Clan	Email 13/1/21		
Freeman & Marx Pty Ltd	Email 13/1/21		
Gulaga	Email 13/1/21		
Kamilaroi Yankuntjatjara Working Group	Email 13/1/21	Email 4/2/21	Agrees with methodology
Muragadi	Email 13/1/21		
Murra Bidgee Mullangari Aboriginal Corporation	Email 13/1/21		
Murramarang	Email 13/1/21		
Waawaar Awa	Email 13/1/21		
Yulay	Email 13/1/21	Email 26/2/21	Agrees with methodology

Stage 4 – Review of draft report

Organisation	Date sent	Date received	Response	Archaeologists Response
A1 Indigenous Services Pty Ltd				
Darug Custodian Aboriginal Corporation				
Didge Ngunawal Clan				
Freeman & Marx Pty Ltd				
Gulaga				
Kamilaroi Yankuntjatjara Working Group	11/5/2021	19/5/2021	Dear Danielle, Thank you for your ACHAR for Glenwood High School. The sight has significant to Aboriginal people as there are water ways in close proximity to the study area.	Dear Kadibulla Thanks for your response to the draft ACHAR report. I will pass your question onto the client regarding Aboriginal interpretation within the design and development. In terms of

			<p>This suggests that Aboriginal people would camp, hunt, gather resources for everyday living. There is also room for burials to be found across the land and to us Aboriginal people burials are highly significant to our people. Is there room for monitoring of any works on the site? As it is a school will the proponent be doing any Aboriginal interpretation within the development and or design within the structure. We agree to your recommendations and support your report, we also look forward to further consultation about the proposed project.</p> <p>Kind Regards</p> <p>Kadibulla Khan</p>	<p>a monitoring program we don't believe that there is a case that would justify this. The reason for this is that we completed a series of test excavation pits at the site that concluded that fill is present down to the clay layer (sterile layer). Additionally, outside of the area targeted for test excavation there has been a comprehensive series of geotechnical test bores that have determined the same level of disturbance across the remainder of the development footprint (e.g. fill and disturbance down to clay). There is no evidence of any surviving soils or sediments between the fill and clay boundary therefore there is no justification for the proposition of a monitoring program.</p>
--	--	--	---	--

Regards

Will Moon

Archaeologist

31/5/2021

Email to Proponent:

Hi Marcus

Similar to the JPPS review, I have received some feedback from the draft ACHAR review by the registered Aboriginal stakeholders for the Glenwood High School Aboriginal Cultural Heritage Assessment. I am required to include this correspondence in the final report and also seek any further



				<p>comment from the proponent (SI NSW) if they wish to provide any. Do you have any additional comments to add? If you want any clarification on the attached correspondence, please don't hesitate to call me. Thanks</p> <p>Regards</p> <p>Will Moon</p> <p>31/5/2021</p>
Muragadi				
Murra Bidgee Mullangari Aboriginal Corporation				
Murramarang				
Waawaar Awaa				
Yulay				



22 Appendix 2 – Requests for RAP lists, Register searches results and public notice



Tocomwall Pty Ltd

PO Box 76 Caringbah NSW 1495

Tel: 02 9542 7714 Fax: 02 9524 4146

Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

1/12/2020

Heritage NSW

Aboriginal Cultural Heritage Regulation

Locked bag 5020

Parramatta NSW 2124

To whom it may concern

Tocomwall Pty Ltd is undertaking an Aboriginal Cultural Heritage Assessment in accordance with the DECCW (DPIE) 2010 Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA. The assessment is being undertaken on behalf of School Infrastructure Projects NSW, Level 8, George St, Sydney, NSW 2000.

In accordance with section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010a), Tocomwall/School Infrastructure Projects is seeking to identify the names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places at the site and requests the names and contact details of Aboriginal people to assist the proposed applicant in the preparation of an application for an AHIP. If you require any further information, please do not hesitate to contact me on 0466 676 510. Please provide the details within 7 days of receipt to danielle.mitchell@puliypang.com.au or to the Tocomwall postal address shown on this letter. Thank you.

Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist

Ir.

Integrating Landscape Science & Aboriginal Cultural Knowledge for our Sustainable Future



Tocomwall Pty Ltd

PO Box 76 Caringbah NSW 1495

Tel: 02 9542 7714 Fax: 02 9524 4146

Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

1/12/2020

Deerubbin Local Aboriginal Land Council

3/291-295 High St

Penrith NSW 2750

To whom it may concern

Tocomwall Pty Ltd is undertaking an Aboriginal Cultural Heritage Assessment in accordance with the DECCW (DPIE) 2010 Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA. The assessment is being undertaken on behalf of School Infrastructure Projects NSW, Level 8, George St, Sydney, NSW 2000.

In accordance with section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010a), Tocomwall/School Infrastructure Projects is seeking to identify the names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places at the site and requests the names and contact details of the Aboriginal people from your organisation to assist the proposed applicant in the preparation of an application for an AHIP. If you require any further information, please do not hesitate to contact me on 0466 676 510. Please provide the details within 7 days of receipt to danielle.mitchell@puliypang.com.au or to the Tocomwall postal address shown on this letter. Thank you.

Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist

Ir.

Integrating Landscape Science & Aboriginal Cultural Knowledge for our Sustainable Future



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PO Box 76 Caringbah NSW 1495

Tel: 02 9542 7714 Fax: 02 9524 4146

Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

1/12/2020

Office of the Registrar
PO Box 5068
Parramatta NSW 2124

To whom it may concern

Tocomwall Pty Ltd is undertaking an Aboriginal Cultural Heritage Assessment in accordance with the DECCW (DPIE) 2010 Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA. The assessment is being undertaken on behalf of School Infrastructure Projects NSW, Level 8, George St, Sydney, NSW 2000.

In accordance with section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010a), Tocomwall/School Infrastructure Projects is seeking to identify the names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places at the site and requests the names and contact details of any Registered Aboriginal Owners to assist the proposed applicant in the preparation of an application for an AHIP. If you require any further information, please do not hesitate to contact me on 0466 676 510.

Please provide the details within 7 days of receipt to danielle.mitchell@puliypang.com.au or to the Tocomwall postal address shown on this letter. Thank you.

Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist

In

Integrating Landscape Science & Aboriginal Cultural Knowledge for our Sustainable Future



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PO Box 76 Caringbah NSW 1495

Tel: 02 9542 7714 Fax: 02 9524 4146

Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

1/12/2020

Native Title Services Corporation Limited

PO Box 2105

Strawberry Hills NSW 2012

Ph: 02 9310 3188

To whom it may concern

Tocomwall Pty Ltd is undertaking an Aboriginal Cultural Heritage Assessment in accordance with the DECCW (DPIE) 2010 Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA. The assessment is being undertaken on behalf of School Infrastructure Projects NSW, Level 8, George St, Sydney, NSW 2000.

In accordance with section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010a), Tocomwall/School Infrastructure Projects is seeking to identify the names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places at the site and requests the names and contact details of any Native Title Holders to assist the proposed applicant in the preparation of an application for an AHIP. If you require any further information, please do not hesitate to contact me on 0466 676 510. Please provide the details within 7 days of receipt to danielle.mitchell@puliypang.com.au or to the Tocomwall postal address shown on this letter. Thank you.

Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist



Tocomwall Pty Ltd

PO Box 76 Caringbah NSW 1495

Tel: 02 9542 7714 Fax: 02 9524 4146

Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

1/12/2020

Blacktown City Council
62 Flushcombe Rd
Blacktown NSW 2148

To whom it may concern

Tocomwall Pty Ltd is undertaking an Aboriginal Cultural Heritage Assessment in accordance with the DECCW (DPIE) 2010 Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA. The assessment is being undertaken on behalf of School Infrastructure Projects NSW, Level 8, George St, Sydney, NSW 2000.

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Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist



Tocomwall Pty Ltd

PO Box 76 Caringbah NSW 1495

Tel: 02 9542 7714 Fax: 02 9524 4146

Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

1/12/2020

National Native Title Tribunal

GPO Box 9973
Sydney NSW 2001

To whom it may concern

Tocomwall Pty Ltd is undertaking an Aboriginal Cultural Heritage Assessment in accordance with the DECCW (DPIE) 2010 Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA. The assessment is being undertaken on behalf of School Infrastructure Projects NSW, Level 8, George St, Sydney, NSW 2000.

In accordance with section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010a), Tocomwall/School Infrastructure Projects is seeking a list of registered native title claimants, native title holders and registered Indigenous Land Use Agreements and requests the names and contact details of the Aboriginal people from your organisation to assist the proposed applicant in the preparation of an application for an AHIP. If you require any further information, please do not hesitate to contact me on 0466 676 510. Please provide the details within 7 days of receipt to danielle.mitchell@puliypang.com.au or to the Tocomwall postal address shown on this letter. Thank you.

Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist

In

Integrating Landscape Science & Aboriginal Cultural Knowledge for our Sustainable Future

Request for Spatial Search of Tribunal Registers

1: Your details

Your name:	<i>Danielle Mitchell</i>		
Your company:	<i>Tocomwall</i>		
E-mail address:	<i>dinodani@tpg.com.au</i>	Phone:	<i>0466676510</i>
Your reference:	<i>Glenwood HS SSD</i>	Your state:	<i>New South Wales</i>
<input checked="" type="checkbox"/>	<i>I have read and acknowledge the terms and conditions on the next page.</i>		

2: Areas to be searched

Jurisdiction to be searched:	<i>New South Wales</i>	Tenure to be searched:	<i>Select one.</i>
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Parcel or tenement identifiers (add up to 20 separate identifiers). **Please see over for parcel identifiers.**

Parcel 1:	<i>Click or tap here to enter text.</i>	Parcel 2:	<i>Click or tap here to enter text.</i>
Parcel 3:	<i>Click or tap here to enter text.</i>	Parcel 4:	<i>Click or tap here to enter text.</i>
Parcel 5:	<i>Click or tap here to enter text.</i>	Parcel 6:	<i>Click or tap here to enter text.</i>
Parcel 7:	<i>Click or tap here to enter text.</i>	Parcel 8:	<i>Click or tap here to enter text.</i>
Parcel 9:	<i>Click or tap here to enter text.</i>	Parcel 10:	<i>Click or tap here to enter text.</i>
Parcel 11:	<i>Click or tap here to enter text.</i>	Parcel 12:	<i>Click or tap here to enter text.</i>
Parcel 13:	<i>Click or tap here to enter text.</i>	Parcel 14:	<i>Click or tap here to enter text.</i>
Parcel 15:	<i>Click or tap here to enter text.</i>	Parcel 16:	<i>Click or tap here to enter text.</i>
Parcel 17:	<i>Click or tap here to enter text.</i>	Parcel 18:	<i>Click or tap here to enter text.</i>
Parcel 19:	<i>Click or tap here to enter text.</i>	Parcel 20:	<i>Click or tap here to enter text.</i>

If your search area is not a parcel or mining or petroleum tenement, you can enter other tenure or administrative regions here (e.g. local government area, townsite or county). Please provide as much detail as you can.

<p>Lot 200 on DP Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood Blacktown LGA</p>
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E-mail the completed form to GeospatialSearch@NNTT.gov.au

Parcel Identifiers

In most jurisdictions please identify parcels using lot on plan, or lot/section/plan as appropriate. The NNTT is generally not able to identify parcels using land title information. Where possible, the NNTT uses the terminology and formatting of unique identifiers used in each state to uniquely identify a land parcel. More details are below:

1. **Lot on plan.** Use for Western Australia and Queensland.
2. **Lot/Section/Plan.** Use for New South Wales.
3. **LAISKEY.** Use for the Northern Territory. The laiskey is a unique identifier for each parcel comprised of the location code, LTO code (derived from the survey plan) where applicable and the parcel number.
4. **Parcel ID** – Use for South Australia. Concatenation of Parcel Type, Parcel, Plan Type and Plan.
5. **SPI (Standard Parcel Identifier)** – Use for Victoria.

Terms and Conditions

1. Specify only one jurisdiction (e.g. Queensland) and one type of tenure (e.g. mining tenement) per form. You can add up to 20 separate tenements or parcels per search request. For more than 20 parcels or tenements please submit additional search requests or contact GeospatialSearch@NNTT.gov.au to discuss your requirements.

Note: if your area of interest cannot be clearly identified from the search form, or is not held in NNTT datasets, we may instead provide search results for a surrounding local government area, or other suitable regional area.

2. Freehold land.

Under the Native Title Act 1993 (Cth), the valid grant of a freehold estate (other than certain types of Aboriginal and Torres Strait Islander land) on or before 23 December 1996 is known as a 'previous exclusive possession act'. This means that native title has been extinguished over the area. Native title claimants are not allowed to include land and waters covered by previous exclusive possession acts in their applications; therefore they would normally exclude freehold areas. A native title application may, however, be made over freehold land on the basis that freehold was invalidly granted, but the chances of this happening are very low.

3. Cultural Heritage in NSW.

The National Native Title 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.

4. Spatial searches rely on data obtained from the relevant custodian. Whilst efforts are taken to update such datasets on a regular basis, the collection and interpretation of such datasets may be influenced by a number of factors that can impact of the completeness and accuracy of your search results.

Disclaimer

While the National Native Title Tribunal (NNTT) and the Native Title Registrar (Registrar) have exercised due care in ensuring the accuracy of the information provided, it is provided for general information only and on the understanding that neither the NNTT, the Registrar nor the Commonwealth of Australia is providing professional advice. Appropriate professional advice relevant to your circumstances should be sought rather than relying on the information provided. In addition, you must exercise your own judgment and carefully evaluate the information provided for accuracy, currency, completeness and relevance for the purpose for which it is to be used.

The information provided is often supplied by, or based on, data and information from external sources, therefore the NNTT and Registrar cannot guarantee that the information is accurate or up-to-date.

The NNTT and Registrar expressly disclaim any liability arising from the use of this information.

This information should not be relied upon in relation to any matters associated with cultural heritage.

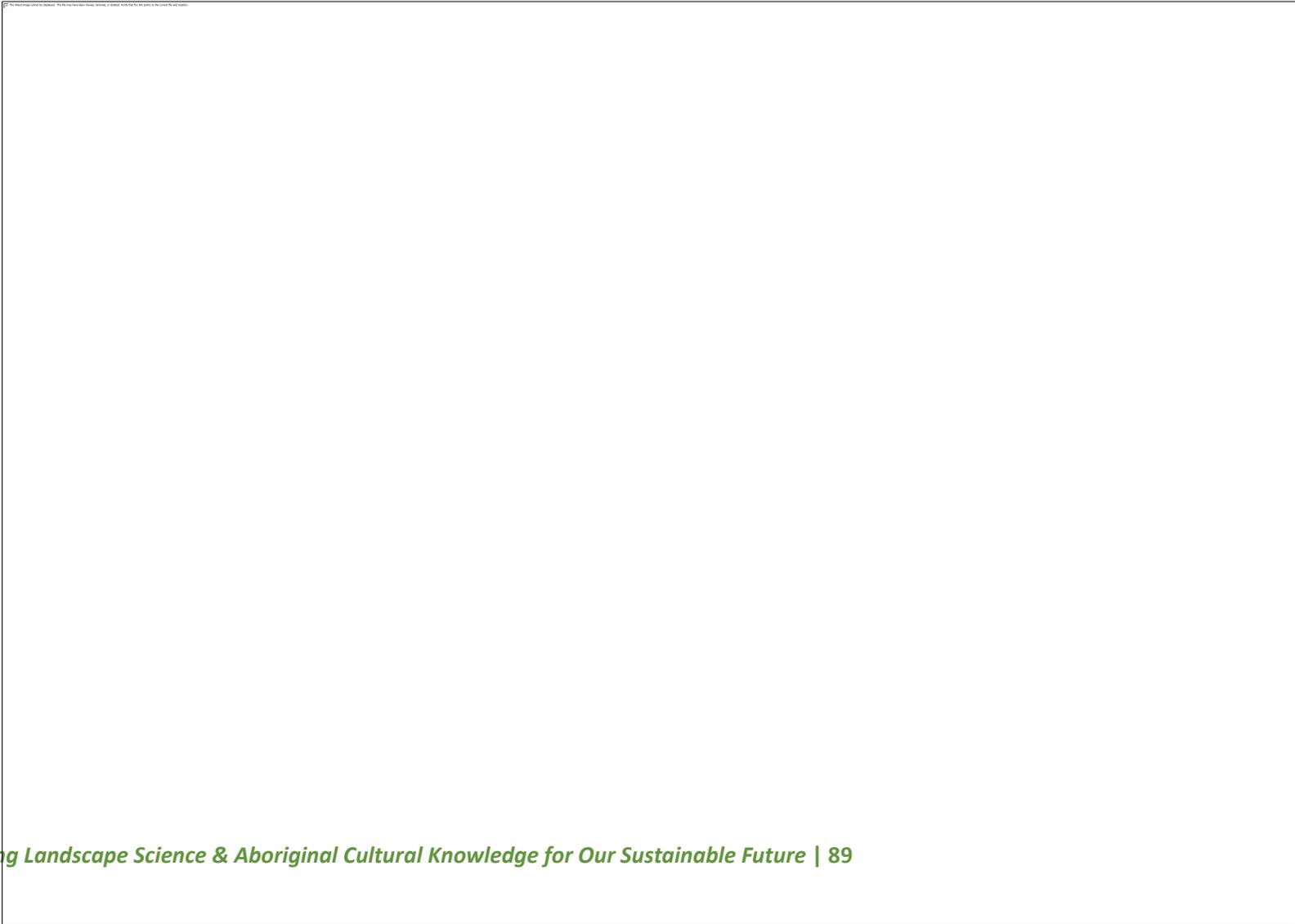












EXPRESSION OF INTEREST

Date listed: 17/12/2020

Lot 5227 DP 868693, Forman Ave Glenwood
Aboriginal cultural heritage consultation requirements for proponents 2010

Tocomwall Pty Ltd is undertaking an Aboriginal Cultural Heritage Assessment in accordance with the 2010 Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW on behalf of the proponent of School Infrastructure Projects NSW, Level 8, 259 George St, Sydney, NSW 2000, for a proposed development at Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA. Tocomwall Pty Ltd invites registration of interest from 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, that may be subject to an application for an AHIP, to register an interest in a process of community consultation with the applicant.

Aboriginal people registering an interest in the community consultation process will have their details forwarded to Heritage NSW, and the Deerubbin LALC unless they specify that they do not want their details released.

Please register your interest in the project by the closing date of 7th of January 2021.

Registrations should be sent to:

William Moon
Tocomwall Pty Ltd
PO Box 76
Caringbah NSW 1495
Email: william@tocomwall.com.au

01 December 2020

By email: danielle.mitchell@puliypang.com.au

Dani Mitchell
Tocomwall Pty Ltd
PO Box 76
CARINGBAH NSW 1495

Dear Dani,

Request - Search for Registered Aboriginal Owners

We refer to your letter dated 01 December 2020 seeking the identification of Aboriginal organisations and people who may have an interest in the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown LGA New South Wales.

Under Section 170 of the Aboriginal Land Rights Act 1983 the Office of the Registrar is required to maintain the Register of Aboriginal Owners (RAO). A search of the RAO has shown that there are currently no Registered Aboriginal Owners in the project area.

We suggest you contact the Deerubbin Local Aboriginal Land Council on (02) 4724 5600 or via email – KCavanagh@deerubbin.org.au as they may wish to participate.

Yours sincerely



Rachel Rewiri
Project Officer
Office of the Registrar, Aboriginal Land Rights Act 1983

Reference: DOC20/990926-1

Dani Mitchell
Puliyapang
Level 2 Burbank Place
NORWEST NSW 2153
danielle.mitchell@puliyapang.com.au

RE: Request for information on Aboriginal stakeholders for an Aboriginal cultural heritage assessment for proposed "Development at Glenwood High School, Glenwood, NSW"

Dear Dani,

Thank you for your letter of 01 December 2020 about Aboriginal cultural heritage consultation for the proposed Development at Glenwood High School, Glenwood, NSW, within the Blacktown local government area. I appreciate the opportunity to provide input.

Please find enclosed a list of known Aboriginal parties for the Blacktown local government area (Attachment 1) that we consider likely to have an interest in the proposal. Note this is not an exhaustive list of all interested Aboriginal parties. Receipt of this list does not remove the requirement for a proponent/consultant to advertise the proposal in the local print media and contact other bodies and community groups seeking interested Aboriginal parties, in accordance with the '*Aboriginal cultural heritage consultation requirements for proponents 2010*' (the CRs).

We would also like to take this opportunity to remind the proponent and consultant to:

- Ensure that consultation is fair, equitable and transparent. If the Aboriginal parties express concern or are opposed to parts of or the entire project, we expect that evidence will be provided to demonstrate the efforts made to find common ground between the opponents and the proponent.



If you have any questions about this advice, please do not hesitate to contact me via paul.houston@environment.nsw.gov.au or 02 68835361.

Yours sincerely

Paul Houston
Aboriginal Heritage Planning Officer
Aboriginal Cultural Heritage Regulation - Northern
Heritage NSW
Department of Premier and Cabinet
3 December 2020



From: Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>
Sent: Tuesday, 1 December 2020 6:01 PM
To: Danielle Mitchell
Subject: RE: SR20/1283 - Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - SR20/1283
Categories: Req for stakeholders response

UNCLASSIFIED

Native title search – NSW Parcel – Lot 5227 on DP868693
Your ref: - Our ref: SR20/1283

Dear Danielle Mitchell,

Thank you for your search request received on 01 December 2020 in relation to the above area. Based on the records held by the National Native Title Tribunal as at 01 December 2020 it would appear that there are no Native Title Determination Applications, Determinations of Native Title, or Indigenous Land Use Agreements over the identified area.

Search Results

The results provided are based on the information you supplied and are derived from a search of the following Tribunal databases:

- Schedule of Native Title Determination Applications
- Register of Native Title Claims
- Native Title Determinations
- Indigenous Land Use Agreements (Registered and notified)

At the time this search was carried out, there were **no relevant entries** in the above databases.

Cadastral Data as at: 01/07/2020

Parcel ID	Feature Area SqKm	Tenure	NNTT file number	Name	Category	Percent Selected Feature
5227/DP868693	0.0606	FREEHOLD	No overlap			0.00%

For more information about the Tribunal's registers or to search the registers yourself and obtain copies of relevant register extracts, please visit our [website](#).

Information on native title claims and freehold land can also be found on the Tribunal's website here: [Native title claims and freehold land](#).

Please note: There may be a delay between a native title determination application being lodged in the Federal Court and its transfer to the Tribunal. As a result, some native title determination applications recently filed with the Federal Court may not appear on the Tribunal's databases.

The search results are based on analysis against external boundaries of applications only. Native title applications commonly contain exclusions clauses which remove areas from within the external boundary. To determine whether the areas described are in fact subject to claim, you need to refer to the "Area covered by claim" section of the relevant Register Extract or Schedule Extract and any maps attached.

Search results and the existence of native title

Please note that the enclosed information from the Register of Native Title Claims and/or the Schedule of Applications is **not** confirmation of the existence of native title in this area. This cannot be confirmed until the Federal Court makes a determination that native title does or does not exist in relation to the area. Such determinations are registered on the National Native Title Register.

The Tribunal accepts no liability for reliance placed on enclosed information

The enclosed information has been provided in good faith. Use of this information is at your sole risk. The National Native Title Tribunal makes no representation, either express or implied, as to the accuracy or suitability of the information enclosed for any particular purpose and accepts no liability for use of the information or reliance placed on it.

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
Email: GeospatialSearch@nntt.gov.au | www.nntt.gov.au



23 Appendix 3 – Invitation for Participation and Responses from RAPs



Tocomwall Pty Ltd

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Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

17/12/20

Munyunga
ATTN: Kaya Dawn Bell

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Kaya,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

Tocomwall Pty Ltd have been engaged by School Infrastructure Projects NSW to undertake community consultation in accordance with OEHs *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*. Tocomwall Pty Ltd is requesting the names and contact details of Aboriginal people or organisations that may hold cultural knowledge relevant to determining the significance of Aboriginal Objects and/or Places within the study area. 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.

In accordance with the consultation requirements, please note that the client contact for this project is:

Deborah Green – Project Officer
Infrastructure Planning
School Infrastructure Projects NSW
GPO Box 33
Sydney NSW 2001
Mob: 0447 339 652
deborah.green22@det.nsw.edu.au

||

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Muragadi Heritage Indigenous Corporation

5 Hession Road
Nelson NSW 2765
ATTN: Jesse Johnson

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Jesse,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Murra Bidgee Mullangari Aboriginal Corporation

PO Box 3035

Rouse Hill NSW 2155

ATTN: Darleen Johnson, Ryan Johnson

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Darleen and Ryan,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Murramarang
ATTN: Roxanne Smith

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Roxanne,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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deborah.green22@det.nsw.edu.au



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17/12/20

Murrumbul
ATTN: Mark Henry

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Mark,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Ngambaa Cultural Connections

6 Natchez Crescent
Greenfield Park NSW 2167
ATTN: Kaarina Slater

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Kaarina,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Nundagurri
ATTN: Newton Carriage

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Newton,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Paul Gale
67 Ginahgullah
Avenue Gross Vale
NSW 2753

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Paul,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Pemulwuy CHTS

14 Top Place

Mt Annan NSW 2567

ATTN: Pemulwuy Johnson

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Pemulwuy,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Thauaira

ATTN: Shane Carriage

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Shane,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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In accordance with the consultation requirements, please note that the client contact for this project is:

Deborah Green – Project Officer
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School Infrastructure Projects NSW
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Mob: 0447 339 652
deborah.green22@det.nsw.edu.au



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ABN: 13 137 694 618

17/12/20

Thoorga Nura
50B Hilltop Crescent
Surf Beach NSW 2536
ATTN: John Carriage

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear John,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Waawaar Awa Aboriginal Corporation

15 Bungonia Street
Prestons NSW 2170
ATTN: Rodney Gunther

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Rodney,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Wailwan Aboriginal Group
ATTN: Philip Boney

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Philip,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete an Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Walbunja

ATTN: Hika Te Kowhai

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Hika,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Walgalu
ATTN: Ronald Stewart

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Ronald,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete an Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Wingikara
ATTN: Hayley Bell

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Hayley,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Yerramurra
ATTN: Robert Parson

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Robert,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Yulay Cultural Services

15 Rowley Place
Airds NSW 2560
ATTN: Arika Jalomaki

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Arika,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Yurrandaali Cultural Services

6 Macgibbon Parade
Old Erowal Bay NSW 2540
ATTN: Bo Field

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Bo,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

A1 Indigenous Services

10 Marie Pitt Place
Glenmore Park NSW 2745
ATTN: Carolyn Hickey

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Carolyn,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Amanda Hickey Cultural Services

57 Gough St
Emu Plains NSW 2750
ATTN: Amanda DeZwart

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Amanda,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Aragung Aboriginal Cultural Heritage Site Assessments

33 Bulolo Drive
Whalan NSW 2770
ATTN: Jamie Eastwood

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Jamie,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Barking Owl Aboriginal Corporation

2-65/69 Wehlow Street

Mt Druitt NSW 2770

ATTN: Jody Kulakowski

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Jody,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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BH Heritage Consultants
95 Mount Ettalong Road
Umina Beach NSW 2257
ATTN: Nola Hampton

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Nola,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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BH Heritage Consultants
184 Captain Cook Drive
Willmot NSW 2770
ATTN: Ralph Hampton

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Ralph,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Biamanga
ATTN: Seli Storer

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Seli,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Bilinga

ATTN: Simalene Carriage

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Simalene,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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ABN: 13 137 694 618

17/12/20

Butucarbin Aboriginal Corporation

PO Box E18

Emerton NSW 2770

ATTN: Jennifer Beale

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Jennifer,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Callendulla
ATTN: Corey Smith

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Corey,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Darug Boorooberongal Elders Aboriginal Corporation

PO.Box 14

Doonside NSW 2767

ATTN: Paul Hand

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Paul,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Darug Custodian Aboriginal Corporation

PO Box 81,
Windsor NSW 2756
ATTN: Justine Coplin

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Justine,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Deerubbin Local Aboriginal Land Council

Level 1, Suite 3
291-295 High Street,
Penrith NSW 2750
ATTN: Kevin Cavanagh

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Kevin,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Dharug
ATTN: Andrew Bond

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Andrew,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Didge Ngunawal Clan

33 Carlyle Crescent

Cambridge Gardens NSW 2747

ATTN: Lillie Carroll, Paul Boyd

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Lillie and Paul,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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DJMD Consultancy
ATTN: Darren Duncan

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Darren,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Freeman & Marx Pty Ltd

6 Dhugan Close

Wreck Bay Aboriginal Community

JBT 2540

ATTN: Clive Freeman

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Clive,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Ginninderra Aboriginal Corporation
PO Box 3143
Grose Vale NSW 2754
ATTN: Steven Johnson, Krystle Carroll

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Steven and Krystle,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Goodradigbee Cultural & Heritage Aboriginal Corporation

1 Morilla Road
East Kurrajong NSW 2758
ATTN: Caine Carroll

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Caine,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Gulaga

ATTN: Wendy Smith

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Wendy,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Gunyuu

ATTN: Kylie Ann Bell

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Kylie,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Jerringong

ATTN: Joanne Anne Stewart

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Joanne,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Kamilaroi Yankuntjatjara Working Group

78 Forbes Street
Emu Plains NSW 2750
ATTN: Phil Khan

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Phil,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Minnamunnung

1 Waratah Avenue

Albion Park Rail NSW 2527

ATTN: Aaron Broad

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Aaron,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Anthony Williams
Unit 2/24 Goodwin Street
Narrabeen NSW 2101

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Anthony,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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In accordance with the consultation requirements, please note that the client contact for this project is:

Deborah Green – Project Officer
Infrastructure Planning
School Infrastructure Projects NSW
GPO Box 33
Sydney NSW 2001
Mob: 0447 339 652
deborah.green22@det.nsw.edu.au



Tocomwall Pty Ltd

PO Box 76 Caringbah NSW 1495

Tel: 02 9542 7714 Fax: 02 9524 4146

Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

17/12/20

Badu

11 Jeffery Place
Moruya NSW 2537
ATTN: Karia Lea Bond

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Karia,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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1



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ABN: 13 137 694 618

17/12/20

Bidjawang Aboriginal Corporation

PO Box 124

Round Corner NSW 2158

ATTN: James Carroll

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear James,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Sydney NSW 2001
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//

Integrating Landscape Science & Aboriginal Cultural Knowledge for our Sustainable Future



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ABN: 13 137 694 618

17/12/20

Goobah Developments

66 Grantham Road
Batehaven NSW 2536
ATTN: Basil Smith

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Basil,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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ABN: 13 137 694 618

17/12/20

HSB Consultants

Patricia Hampton
62 Ropes Crossing Blvd
Ropes Crossing NSW 2760

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Patricia,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Mura Indigenous Corporation

11 Nargal Street
Flinders NSW 2529
ATTN: Phillip Carroll

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Phillip,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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17/12/20

Wullung

54 Blackwood Street
Gerringong NSW 2534
ATTN: Lee-Roy James Boota

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Identification of interested Aboriginal parties

Dear Lee-Roy,

The proponent, School Infrastructure Projects NSW, is preparing a Development Application (DA) for a proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). As part of the development application process, the proponent is required to complete and Aboriginal Cultural Heritage Investigation in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (OEH 2010) and part 8A of the *National Parks and Wildlife Regulation 2009* in preparation for an AHIP.

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Interested Aboriginal people or organisations having cultural knowledge relating to this area are invited to register their interest in writing to:

Tocomwall Pty Ltd
PO Box 76
Caringbah NSW 1495
info@tocomwall.com.au

Please note under the consultation requirements your details will be forwarded to Heritage NSW and Deerubbin Local Aboriginal Land Council (LALC) upon receipt of your registration of interest. If you do not wish to have your details forwarded on, please notify Tocomwall when registering your interest in the proposed project. Please note that under OEH guidelines, registration for consultation does not include employment in field activities or site monitoring.

Please forward your response by **COB January 7th, 2021.**

Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist
Mob: 0466 676 510

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Carolyn H <cazadirect@live.com>
To: Danielle Mitchell

[Registered Interest](#)

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



INDIGENOUS SERVICES PTY LTD
Contact: Carolyn Hickey
M: 0411650057
E: cazadirect@live.com
A: 10 Marie Pitt Place, Glenmore Park, NSW 2745
ACN: 639 868 876
ABN: 31 639 868 876

Hi,
Thank you for your email. I would like to register in being involved in all levels of consultation for this project, such as, Meetings, Reports, Sharing Cultural Information, and available Field Work.

Please feel free to contact me on details supplied

Kind Regards,
Carolyn Hickey

Thu 4/01/2023 7:44 PM

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Lilly Carroll <dljgensawaldan@yahoo.com.au>
To: Danielle Mitchell

[Registered Interest](#)

Hi Danielle

DNC would like to register an interest into Glenwood High School project

Kind regards
Paul Boyd & Lilly Carroll
Directors DNC

Thu 11/12/2023 8:57 PM

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Clive Freeman <clive.freeman@gmail.com>
To: Danielle Mitchell

[Registered Interest](#)

Good Morning Danielle,

We would like to register our interest in the project.

If you would like a copy of our certificate of currency please let me know and I will send it to you.

Kind regards

Clive Freeman
Managing Director
FreemanBarnes Pty Ltd

Fri 14/12/2023 8:07 AM

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Gulaga <gulagacht@gmail.com>
To: Danielle Mitchell

[Registered Interest](#)

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

Please accept my expression of interest with the following project Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA).

Kind Regards
Wendy Smith
Cultural Heritage Officer
Gulaga

Fri 18/12/2023 8:11 PM

RE: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Philip Khan <philipkhan.acn@live.com.au>
To: Danielle Mitchell

Attachments: ICAEI workers comp insurance Kamilari Yankuntjatjara Working Group 2021.pdf (28 KB), Public Liability Randevor 2020 to 2021 20million cover.pdf (1 MB)

Hi Danielle,

Thank you for informing us that **Tocomwall** will be involved in an Aboriginal Cultural Heritage Assessment at **Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood** & that you are inviting Aboriginal organisations to register, if they wish too be involved in the community consultation process.

As a senior Aboriginal person for the past 40yrs, I actively participate in the protection of the Aboriginal Cultural Heritage throughout the Sydney Basin, & particularly throughout Western Sydney, on behalf of Kamilari Yankuntjatjara Working Group I wish to provide to you my organisation's registration of interest.

I wish to be involved & participate in all levels of consultation/project involvement. I wish to attend all meetings, participate in available field work & receive a copy of the report.

I have attached a copy of Kamilari Yankuntjatjara Working group's Public Liability insurance & Workers Compensation certificate.

Should you wish me to provide further information, please do not hesitate to contact me on 0434545982 or Stefanie on 0451066480.

Kind Regards,
Phil Khan

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Jesse Johnson <mrugadi@yahoo.com.au>
To: Danielle Mitchell

Registered Interest

Hi Danielle,

Please register me for the above project. I grew up in Glenwood.

Kind regards,
Jesse Johnson

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Darleen Johnson <murabidgemullangari@yahoo.com.au>
To: Danielle Mitchell

Registered Interest

Dear Danielle,

I would like to register our interest in the above project. I lived in Glenwood for 13 years in Dairy Court. I look forward to hearing from you.

Kind regards,
Ryan Johnson

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Murramarang <murramarangchts@gmail.com>
To: Danielle Mitchell

Registered Interest

Please accept my expression of interest with the following project Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA).

Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Expression of Interest

Anika Jalomaki <yulayculturalservices@gmail.com>
To: Danielle Mitchell

Registered Interest

Dear Danielle,

Yulay Cultural service's would like to register our interest in the above project.

Kind regards,
Anika Jalomaki
Manager

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 puliypang

Date: 130121

Subject: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood

Dear Danielle

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 Glenwood 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

We acknowledge and pay respect to the Darug people, the traditional Aboriginal custodians of this land.

24 Appendix 4 – Project information pack and investigation methodology



Tocomwall Pty Ltd

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ABN: 13 137 694 618

13/1/2021

A1 Indigenous Services

10 Marie Pitt Place
Glenmore Park NSW 2745
ATTN: Carolyn Hickey

Dear Carolyn,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

Thank you for your registering your interest in this project. In this letter, you will be presented with the project information for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

If you have any queries regarding the project or the information in this letter, please don't hesitate to contact us.

Yours sincerely,

D. Mitchell

Dani Mitchell

Archaeologist
0466 676 510



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ABN: 13 137 694 618

13/1/2021

Darug Custodian Aboriginal Corporation

PO Box 81,
Windsor NSW 2756
ATTN: Justine Coplin

Dear Justine,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

Thank you for your registering your interest in this project. In this letter, you will be presented with the project information for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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Yours sincerely,

D. Mitchell

Dani Mitchell

Archaeologist
0466 676 510



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ABN: 13 137 694 618

13/1/2021

Didge Ngunawal Clan
33 Carlyle Crescent
Cambridge Gardens NSW 2747
ATTN: Lilly Carroll, Paul Boyd

Dear Lilly and Paul,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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D. Mitchell

Dani Mitchell

Archaeologist
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ABN: 13 137 694 618

13/1/2021

Freeman & Marx Pty Ltd
6 Dhugan Close
Wreck Bay Aboriginal Community
JBT 2540
ATTN: Clive Freeman

Dear Clive,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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13/1/2021

Gulaga

ATTN: Wendy Smith

Dear Wendy,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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Archaeologist

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ABN: 13 137 694 618

13/1/2021

Kamilaroi Yankuntjatjara Working Group

78 Forbes Street
Emu Plains NSW 2750
ATTN: Phil Khan

Dear Phil,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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ABN: 13 137 694 618

13/1/2021

Muragadi Heritage Indigenous Corporation

5 Hession Road
Nelson NSW 2765
ATTN: Jesse Johnson

Dear Jesse,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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ABN: 13 137 694 618

13/1/2021

Murra Bidgee Mullangari Aboriginal Corporation

PO Box 3035

Rouse Hill NSW 2155

ATTN: Darleen Johnson, Ryan Johnson

Dear Darleen and Ryan,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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Dani Mitchell

Archaeologist

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13/1/2021

Murramarang

ATTN: Roxanne Smith

Dear Roxanne,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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Dani Mitchell

Archaeologist
0466 676 510



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ABN: 13 137 694 618

13/1/2021

Waawaar Awa Aboriginal Corporation

15 Bungonia Street
Prestons NSW 2170
ATTN: Rodney Gunther

Dear Rodney,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

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Yours sincerely,

D. Mitchell

Dani Mitchell

Archaeologist
0466 676 510



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ABN: 13 137 694 618

13/1/2021

Yulay Cultural Services

15 Rowley Place

Airids NSW 2560

ATTN: Arika Jalomaki

Dear Arika,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information

Thank you for your registering your interest in this project. In this letter, you will be presented with the project information for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood, within the Blacktown Local Government Area (LGA). This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

If you have any queries regarding the project or the information in this letter, please don't hesitate to contact us.

Yours sincerely,

D. Mitchell

Dani Mitchell

Archaeologist

0466 676 510



Project information

The following information has been provided in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*. The aim of this document is to provide registered Aboriginal parties with information about the proposed project and the scope of the Aboriginal archaeology and cultural heritage investigations and assessment.

Glenwood High School is located at Foreman Avenue, Glenwood, NSW 2768. The proponent, Schools Infrastructure NSW is preparing a SEARS application and an Environmental Impact Statement in order to progress a SSDA for the upgrade of the teaching accommodation and core facilities at Glenwood High School. The Glenwood High School project includes the upgrade of the teaching accommodation and core facilities to increase the school capacity from 1,445 to 1,900 students and remove all (19) demountable TLS (Temporary Learning Spaces).

Tocomwall Pty Ltd have been engaged by Schools Infrastructure NSW (SINSW), to undertake an Aboriginal Cultural Heritage Assessment in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW 2010*. Consultation with the Aboriginal community will follow the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*. The purpose of the consultation will be to provide enough information for the assessment of Aboriginal cultural heritage values to complete the Aboriginal Cultural Heritage Assessment (ACHA). This will assist in the event an application for an AHIP is required and will assist the Heritage NSW in consideration and determination of the application.



Figure 1: Shows the study area, Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Source Bing Virtual Earth and Open Street Map Contributors.

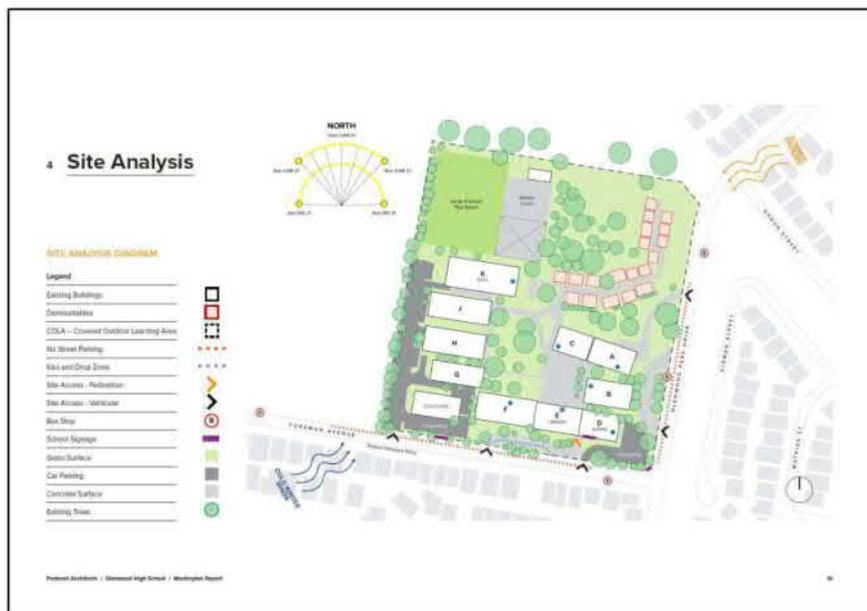


Figure 1: Existing site layout for Glenwood High School. (Source SINSW/Pedavoli Architects 2020).

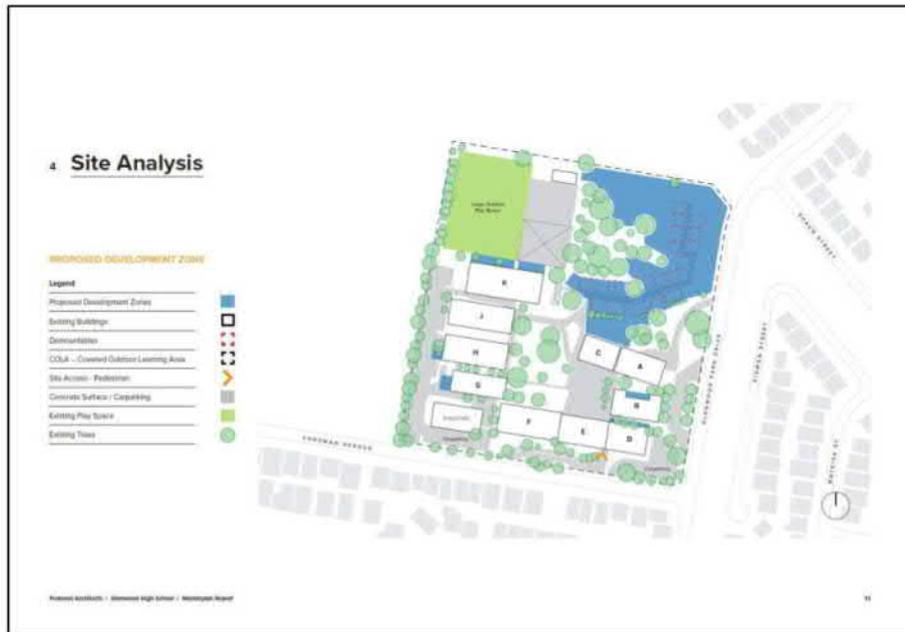


Figure 2: Plan showing the location of the proposed development in blue (Source SINSW/Pedavoli Architects 2020).

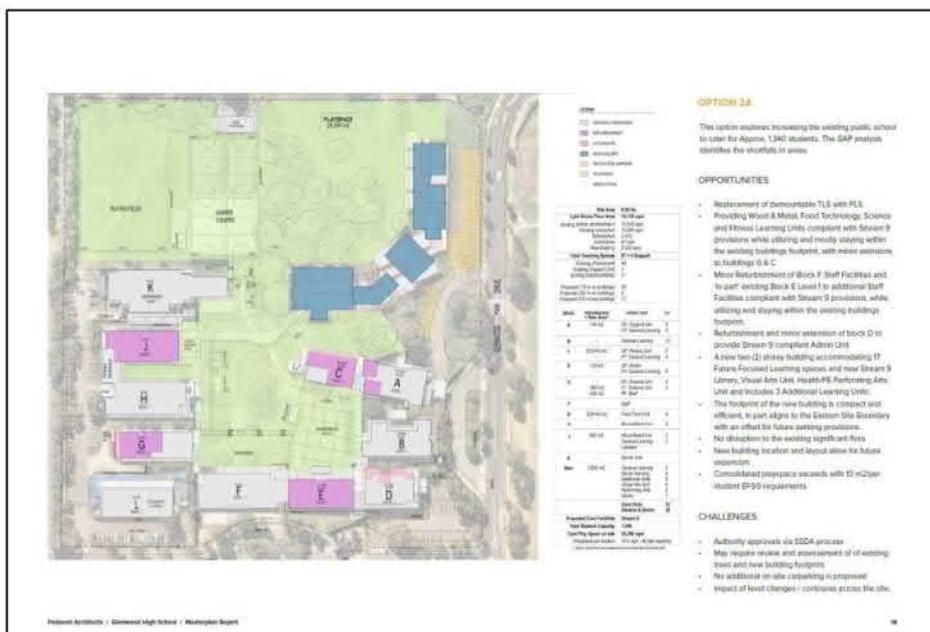


Figure 3: Proposed development option 2A (Source SINSW/Pedavoli Architects 2020).



Figure 5: Proposed development option 2B (Source SINSW/Pedavoli Architects 2020).

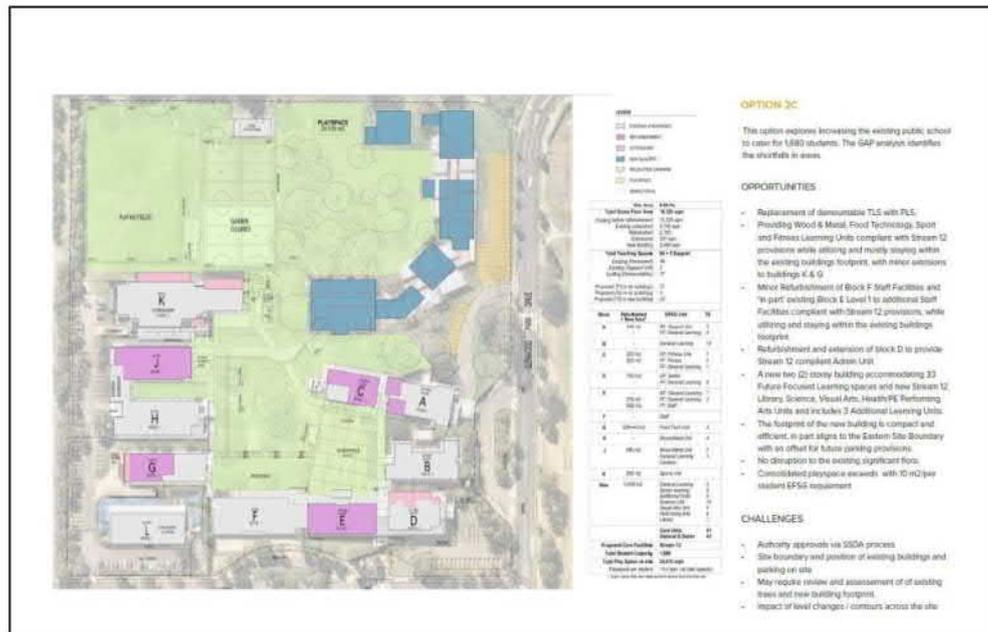


Figure 6: Proposed development option 2C (Source SINSW/Pedavoli Architects 2020).

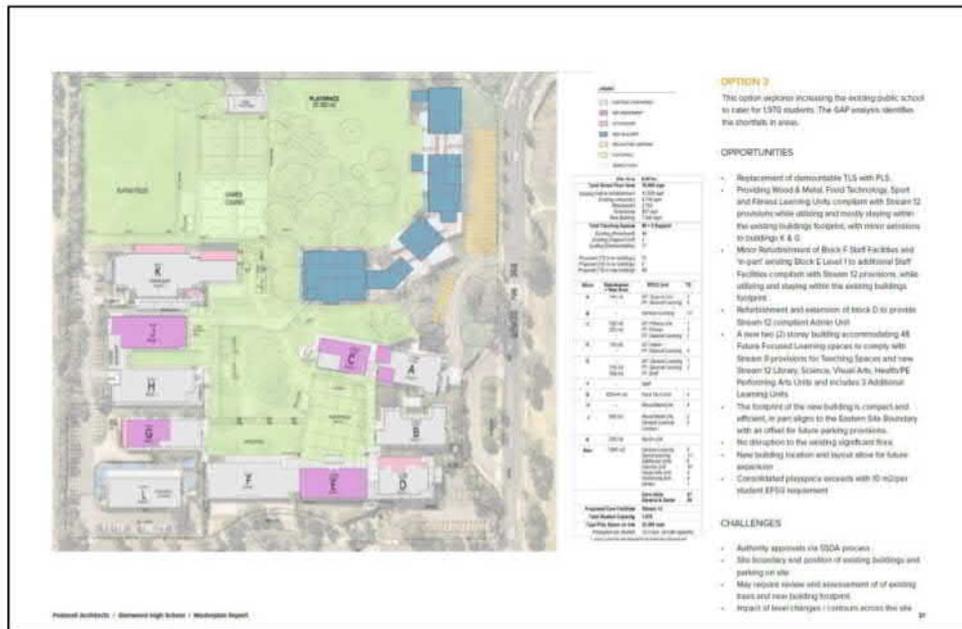


Figure 7: Proposed development option 3 (Source SINSW/Pedavoli Architects 2020).

Objectives of the Aboriginal Heritage Assessment

The objectives of the Aboriginal Heritage assessment are to:

- Implement the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* with the objective of identifying and engaging Aboriginal knowledge holders for the study area.
- Review previous archaeological studies undertaken in the vicinity.
- Conduct an AHIMS search, large enough to allow adequate landscape interpretation and adequate understanding of the distribution of the sites within the landscape (Fig 3).
- Review the landscape context to help inform the predictive model.
- Summarise and discuss the local and regional character of Aboriginal land use and its material traces.
- Predict the nature and extent of archaeological evidence at the site.
- Undertake an archaeological survey and record the presence and extent of Aboriginal objects that are present in the study area.
- Involve the Aboriginal knowledge holders in the cultural heritage assessment process, including consultation to determine their opinions with respect to the project and its potential 'harm' to their cultural heritage and measures to protect their cultural heritage.
- Determine if there is a need to extend the investigation to undertake test excavations.
- Determine the nature and extent of the impacts of the proposed development upon the Aboriginal cultural heritage of the study area.
- Make recommendations for the protection of Aboriginal cultural heritage at the study area.

Consultation with the Aboriginal community

Consultation allows the opportunity for the Aboriginal community to participate in the management of their cultural heritage by providing valuable information regarding cultural significance at or near to the project location.

The process also allows the opportunity for the Aboriginal community to express ideas and/or concerns regarding the projects impact on cultural heritage and future management of Aboriginal objects if needed.

Aboriginal community consultation will be undertaken in accordance with the consultation requirements (DECCW 2010) which includes:

4.1.2. *Requesting the names of Aboriginal people or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places within the proposed study area. A letter was sent to the following:*

- *Heritage NSW*
- *Deerubbin Local Aboriginal Land Council (LALC)*
- *Office of the Registrar, Aboriginal Land Rights Act 1983*
- *National Native Title Tribunal (NNTT)*
- *Native Title Services Corporation Limited (NTSCORP Limited)*
- *Relevant Local Council(s)*



4.1.3. Write to the people whose names were obtained in step 4.1.2, requesting a registration of interest to those who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) in the area of the proposed project. Include an overview of the project, the name and contact details of the proponent and a statement of the purpose of community consultation.

Registrations of interest closed on January 7th 2021. A list of Aboriginal people or groups who registered an interest in the project has been compiled and this will be forwarded to Heritage NSW and Deerubbin Local Aboriginal Land Council by Tocomwall within 28 days of the close of registrations.

Roles and responsibilities

Tocomwall Pty Ltd will manage the Aboriginal Cultural Heritage Assessment. The assessment will be undertaken and managed by Senior Archaeologists, William Moon 0419 399 230, and Danielle Mitchell 0466 676 510. Any enquires regarding the project should be directed to either William or Danielle.

The roles and responsibilities outline below, are in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010):

Registered Aboriginal parties

The interests and obligations of Aboriginal people relate to the protection of Aboriginal cultural heritage.

- Display a meaningful appreciation, understanding and respect for the belief system, spiritual connection and sense of belonging that Aboriginal people have to their land, people and environment, which includes plants, animals, waterways, sacred sites and other places of cultural significance and importance.
- Uphold and respect the traditional rights, obligations and responsibilities of Aboriginal people who hold cultural knowledge in accordance with traditional lore and custom, particularly as these relate to the cultural business of men and women .
- Encourage active participation of culturally experienced and appropriate Aboriginal people who hold cultural knowledge in the consultation process.
- Encourage opportunities for the effective transfer of cultural knowledge from older to younger generations in accordance with traditional lore and custom through the consultation process
- Have an awareness and understanding of how colonisation has impacted the Aboriginal people of Australia.
- Have an understanding and respect for the lore and customs, cultural practices, responsibilities and obligations that Aboriginal people have toward the continued care and conservation of Aboriginal objects and places.

Cultural information provided will be recorded in the Aboriginal consultation log and discussed in the report, unless otherwise requested due to sensitivity.



Proponents

- Bring the registered Aboriginal parties or their nominated representatives together and be responsible for ensuring appropriate administration and management of the consultation process.
- Consider the cultural perspectives, views, knowledge and advice of the registered Aboriginal parties involved in the consultation process in assessing cultural significance and developing any heritage management outcomes for Aboriginal object(s) and/or place(s).
- Provide evidence to DECCW of consultation by including information relevant to the cultural perspectives, views, knowledge and advice provided by the registered Aboriginal parties
- Accurately record and clearly articulate all consultation findings in the final cultural heritage assessment report.
- Provide copies of their cultural heritage assessment report to the registered Aboriginal parties who have been consulted.
- Submit an application to DECCW for an AHIP in a timely manner and with all required information.

Field survey

An Aboriginal field survey of the project area will be conducted in accordance with requirement 5 in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010*. The purpose of the survey is to record any material traces and evidence that are visible on the ground surface, exposed in sections or visible as features. The survey also helps to identify the level of disturbance to the area which will help determine the likelihood of material traces or evidence of Aboriginal land use being present below the ground surface.

Registered sites identified by an AHIMS search that are within or near the project area will be inspected to determine their current condition and the likeliness of the site being impacted by the proposed works. Any Aboriginal objects, including those previously registered on AHIMS are to be recorded. New sites are to be recorded using the appropriate AHIMS Feature Recording Form.

Reporting

A draft report will be prepared in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW 2010* and will include:

- A description of the development proposal, outlining activities that have the potential to harm Aboriginal objects.
- A summary of previous archaeological work to provide a context and baseline for known Aboriginal cultural heritage in the project area.
- A review of the landscape context to predict the ways in which the land may have been used by Aboriginal people in the past and the likeliness of material traces.
- A summary discussing the local and regional character of Aboriginal land use and material traces, based on information provided above.
- A predictive model of archaeological potential in the project area.
- A description on how the archaeological survey and test excavation (if relevant) was conducted and recorded.
- The results of the field survey and/or test excavation.

Integrating Landscape Science & Aboriginal Cultural Knowledge for Our Sustainable Future

- Analysis and discussion of the results.
- The identification of archaeological values and significance reflecting best practice assessment processes as outlined in the Burra Charter.
- An impact assessment to evaluate the potential archaeological impacts of the project.
- Management and mitigation measures to look at options at managing the impacts.
- Recommendations for the conservation of archaeological values.

Registered Aboriginal parties will be issued with the draft report for comment and provided 28 days for review.

Project schedule

Action	Date	Status	Notes
Commencement of Aboriginal Consultation	Complete	Complete	Request for names of Aboriginal people or groups who may hold cultural knowledge sent 1 December 2020.
Expressions of interest and newspaper advertisement	Complete	Complete	Expression of interest sent to identified Aboriginal parties by email 17 December 2020. Advertised in the Blacktown Advocate 17 December 2020.
Aboriginal Stakeholder Registration period	Complete	Complete	Registration period ended 7 January 2021.
Send Project Package	Complete	Complete	
Opportunity for RAP to visit site	Pending	Pending	An email invitation will be sent to the registered Aboriginal parties (RAPs) to provide an opportunity for a visit to site. <i>Note: This site visit does not include paid field work.</i>
Send Proposed Methodology for the Aboriginal Cultural Heritage Assessment	13 January 2021	Complete	
Review of draft report	TBC	Pending	
Final report	TBC	Pending	

References

Department of Environment, Climate Change and Water. 2010a. *Code of practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010*. NSW Department of Environment, Climate Change and Water, Sydney NSW.

Department of Environment, Climate Change and Water. 2010b. *Aboriginal cultural heritage consultation requirements for proponents 2010*. NSW Department of Environment, Climate Change and Water, Sydney NSW.



Tocomwall Pty Ltd

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Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

13 January 2021

A1 Indigenous Services
10 Marie Pitt Place
Glenmore Park NSW 2745
ATTN: Carolyn Hickey

Dear Carolyn,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

In accordance with the consultation requirements (2010), you have the opportunity to review and provide feedback on culturally appropriate information to the research methodology, relating to places of social, spiritual and cultural value, and potential places/areas of historic, social, spiritual and/or cultural significance.

The review should identify any protocols that you 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.

Please provide your feedback in writing no later than **February 10th 2021**.

Yours sincerely,

D. Mitchell

Dani Mitchell
Archaeologist
0466 676 510



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13 January 2021

Darug Custodian Aboriginal Corporation

PO Box 81,
Windsor NSW 2756
ATTN: Justine Coplin

Dear Justine,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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Yours sincerely,

D. Mitchell

Dani Mitchell

Archaeologist
0466 676 510



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Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

13 January 2021

Didge Ngunawal Clan

33 Carlyle Crescent
Cambridge Gardens NSW 2747
ATTN: Lilly Carroll, Paul Boyd

Dear Lilly and Paul,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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0466 676 510



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Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

13 January 2021

Freeman & Marx Pty Ltd

6 Dhugan Close

Wreck Bay Aboriginal Community

JBT 2540

ATTN: Clive Freeman

Dear Clive,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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Archaeologist

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Email: info@tocomwall.com.au www.tocomwall.com.au

ABN: 13 137 694 618

13 January 2021

Gulaga

ATTN: Wendy Smith

Dear Wendy,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

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Dani Mitchell

Archaeologist

0466 676 510



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13 January 2021

Kamilaroi Yankuntjatjara Working Group

78 Forbes Street
Emu Plains NSW 2750
ATTN: Phil Khan

Dear Phil,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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13 January 2021

Muragadi Heritage Indigenous Corporation

5 Hession Road

Nelson NSW 2765

ATTN: Jesse Johnson

Dear Jesse,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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Dani Mitchell

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ABN: 13 137 694 618

13 January 2021

Murra Bidgee Mullangari Aboriginal Corporation

PO Box 3035

Rouse Hill NSW 2155

ATTN: Darleen Johnson, Ryan Johnson

Dear Darleen and Ryan,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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D. Mitchell

Dani Mitchell

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13 January 2021

Murramarang

ATTN: Roxanne Smith

Dear Roxanne,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

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Dani Mitchell

Archaeologist

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13 January 2021

Waawaar Awaab Aboriginal Corporation

15 Bungonia Street
Prestons NSW 2170
ATTN: Rodney Gunther

Dear Rodney,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

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13 January 2021

Yulay Cultural Services

15 Rowley Place
Airds NSW 2560
ATTN: Arika Jalomaki

Dear Arika,

RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood Aboriginal Cultural Heritage Assessment – Project Methodology

In this letter, you will be presented with the project methodology for the proposed development at Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood. This information has been provided in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW 2010).

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ABORIGINAL CULTURAL HERITAGE ASSESSMENT METHODOLOGY

Proposed Development at Glenwood High School

Company	Schools Infrastructure NSW
Contact	Deborah Green
Date	13/01/2021



Project Name	Aboriginal Cultural Heritage Assessment Methodology
Client Name	Schools Infrastructure NSW
Recipient	Deborah Green
Status	Final 1.0
Issue Date	13/01/2021
Prepared by	Will Moon
Approved by	Scott Franks



Executive Summary

The proponent, Schools Infrastructure NSW is preparing a SEARS application and an Environmental Impact Statement in order to progress a SSDA for the upgrade of the teaching accommodation and core facilities at Glenwood High School. Tocomwall Pty Ltd undertook a Due Diligence assessment at Glenwood High School in 2020 and made recommendations to undertake further investigations at the location to determine if Aboriginal objects are present at the site. As a result, Tocomwall has been requested to undertake further investigations and to prepare an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support the development application. This document describes the proposed methodology for the ACHAR and for undertaking archaeological investigations at the site in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010 (DECCW), in consultation with registered Aboriginal stakeholders and knowledge holders, in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW).

Contents

Table of figures.....	5
1 Introduction	6
1.1 Background.....	6
1.2 Authorship and Acknowledgements.....	6
2 Statutory Heritage Contexts and Controls	6
2.1 National Parks and Wildlife Act 1974.....	6
2.2 Environmental Planning and Assessment Act 1979.....	7
2.3 Native Title Act 1993.....	7
2.4 Reporting Standards and Guidelines	7
2.5 The Blacktown Local Environment Plan 2015	8
3 Methodology.....	9
4 Description of the Study Area	13
4.1 Location and Proposed Development	13
4.2 Proposed works.....	14
5 The Environmental Context	17
5.1 The Environment of the study area within the Cumberland Plain.....	17
5.1.1 <i>Vegetation</i>	17
5.1.2 <i>Geology</i>	18
5.1.3 <i>Soil</i>	19
5.1.4 <i>Terrain</i>	20
6 The Archaeological Context	22
6.1 Previous Archaeological assessments.....	23
6.2 AHIMS Search	26
7 Historical Land Use	30
7.1 Site Disturbance.....	33
8 Predictive Model	35
8.1 Stream Order, Topography and Artefact Concentrations	35
8.2 Economic Zones.....	36
8.3 Scarred Trees.....	37
8.4 Rock Shelters	37
8.5 Grinding Grooves	37
8.6 Stone Raw Material Quarries and Source Locations	37
8.7 Ceremonial Grounds	37
8.8 Burial Sites	37
8.9 Predictive Model Summary.....	37
8.10 Archaeological Survey.....	38
10.1 Analysis and discussion.....	39
10.2 Test Excavation Program.....	40
10.3 Timing.....	41

10.4	Project Management.....	41
11	References	42
12	AHIMS Searches	45

Table of figures

Figure 1: ACHA Methodology.....	12
Figure 2: Shows the study area, Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Source Bing Virtual Earth and Open Street Map Contributors.	13
Figure 3: Existing site layout for Glenwood High School. (Source SINSW/Pedavoli Architects 2020).	14
Figure 4: Plan showing the location of the proposed development in blue (Source SINSW/Pedavoli Architects 2020).	15
Figure 5: Proposed development option 2A (Source SINSW/Pedavoli Architects 2020).	15
Figure 6: Proposed development option 2B (Source SINSW/Pedavoli Architects 2020).	16
Figure 7: Proposed development option 2C (Source SINSW/Pedavoli Architects 2020).	16
Figure 8: Proposed development option 3 (Source SINSW/Pedavoli Architects 2020).	17
Figure 9: Geology Map for the Glenwood High School. Rwb represents shale, carbonaceous claystone, laminate, fine to medium grain lithic sandstone, rare coal and tuff (Clark and Jones 1991).	19
Figure 10: Soil landscape map showing the location of the Glenwood High School within the Blacktown Soils landscape (Bannerman and Hazelton 1990).	20
Figure 11: 3D view looking north across the study area showing flat to gently undulating terrain (Aerial image and LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.)	21
Figure 12: LiDAR derived image looking north-west. The modified channels from the original first order streams can be seen. LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.	21
Figure 13: Image showing the location of recorded Aboriginal sites from the AHIMS search using a 2km radius search area. Glenwood High School is shown at the centre of the image. Aerial image source Six Maps © Department Finance, Services and Innovation, NSW Government.	30
Figure 14: Early Parish map of Gidley showing the location of the Glenwood High School (Source NSW LRS HLRV Parish of Gidley).	32
Figure 15: 1955 Aerial Photo of the Glenwood High School site (Source: Spatial Services NSW Government).	33
Figure 16: Aerial Image from 1994 showing that civil works associated with the remodelling of the stream have intruded into the study area (Source: Spatial Services NSW).	34
Figure 17: Map of geotechnical bore hole locations (Source SINSW).	34
Figure 18: 1955 aerial image showing the location of streams relative to the study area (source: Spatial Services NSW).	35
Figure 19: Image showing first order streams to the northwest and northeast of the study area converging just to the north. Streams data accessed from Spatial Services NSW. Aerial image from SixMaps © Department Finance, Services and Innovation.	36
Figure 20: Red circled area showing the location of remnant vegetation and original surface profile relative to the bore hole locations where results indicate the presence of fill down to clay and a disturbed context. Map source SINSW (Douglas Partners 2020).	40
Figure 21: Test Pit Locations	41

1 Introduction

1.1 Background

Glenwood High School is located at Foreman Avenue, Glenwood, NSW 2768. The Glenwood High School project includes the upgrade of the teaching accommodation and core facilities to increase the school capacity from 1,445 to 1,900 students and remove all (19) demountable TLS (Temporary Learning Spaces).

Tocomwall Pty Ltd have been engaged by Schools Infrastructure NSW (SINSW) to undertake an Aboriginal Cultural Heritage Assessment in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, 2010. Tocomwall undertook a Due Diligence Assessment at the site of the proposed development in October 2020 and concluded that Aboriginal objects may still be present at the site where there are intact soils present. This methodology has been prepared in accordance with the requirements of the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, 2010 and based upon the results of the Due Diligence Assessment.

1.2 Authorship and Acknowledgements

This methodology has been prepared by Will Moon MA Archaeology and Heritage Management with the assistance of Dani Mitchell, BSc, Grad Dip Archaeology and Heritage Management.

2 Statutory Heritage Contexts and Controls

Two primary pieces of legislation provide automatic statutory protection for Aboriginal heritage and the requirements for its management in New South Wales.

These are:

- The *National Parks and Wildlife Act 1974* (NPW Act); and
- The *Environmental Planning and Assessment Act 1979*.

2.1 National Parks and Wildlife Act 1974

The primary legislation for the protection of Aboriginal culture and heritage in NSW is the *NPW Act*. One of the key objectives stated in the *NPW Act* is:

'..... the conservation of objects, places or features (including biological diversity) of cultural value within the landscape, including but not limited to: (i) places, objects and features of significance to Aboriginal people.... [s.2A (1) (6)].'

The *NPW Act* defines Aboriginal Heritage as comprising 'Aboriginal objects' and 'Aboriginal Places'. Aboriginal heritage is defined as:

- An object under the NPW Act is defined as *'any deposit, or object or material evidence relating to the Aboriginal habitation of the area'* (Section 5 of the NPW Act); and
- An Aboriginal Place is defined as *'a place that is or was of special significance with respect to Aboriginal culture'* (Section 84 of the NPW Act).

Part 6 of the NPW Act provides specific protection for Aboriginal objects and declared Aboriginal Places by establishing offences of harm. Harm is defined as *'..destroying, defacing or damaging an Aboriginal object or place, or moving an object from the land.'* There are fines associated with causing harm to an Aboriginal object. However, there are exemptions for causing harm, for example the preparation of an Aboriginal Heritage Impact Permit (AHIP).

The Department of Planning, Industry and Environment (DPIE) is the current government agency with responsibility for the protection and management of Aboriginal archaeological sites and cultural heritage values and the statutory administration of the NPW Act.

2.2 Environmental Planning and Assessment Act 1979

The *Environmental Planning and Assessment Act 1979* (EPA Act) establishes the statutory planning framework for environmental and land use planning in NSW through *State Environmental Planning Policies* (SEPPs), *Regional Environmental Plans* (REPs) and *Local Environmental Plans* (LEPs).

The EPA Act also establishes the framework for Aboriginal heritage values to be formally assessed in land use planning and development consent processes. The requirements for the project are defined in the Planning Secretary's Environmental Assessment requirements.

2.3 Native Title Act 1993

The Native Title Act 1993 provides the legal framework to recognition and protection of native title. It includes the recognition of the traditional rights and interests to land and waters of Aboriginal and Torres Strait Islander people. Under the Native Title Act, native title claimants can make an application to the Federal Court to have their native title recognised by Australian law.

As part of the consultation process for the project it was confirmed that there are no registered native title claimants for the study area.

2.4 Reporting Standards and Guidelines

This report has been prepared in accordance with the following heritage recording, assessment and reporting guidelines and standards that are endorsed by the OEH:

- Australia ICOMOS. 2013. The Burra Charter. The Australia ICOMOS Charter for Places of Cultural Significance. Australia ICOMOS Inc.¹

¹ The Burra Charter establishes nationally accepted principles for the conservation of places of cultural significance.

- NSW Department of Environment, Climate Change & Water. (DECCW) 2010a. Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales. DECCW. Sydney.
- NSW Department of Environment, Climate Change & Water. (DECCW) 2010b (September). Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales. DECCW. Sydney.

2.5 The Blacktown Local Environment Plan 2015

Under Section 5.10 (2) of The Blacktown Local Environment Plan 2015, the following requirements are listed as requiring consent prior to development:

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

2.6 Objectives of the Aboriginal Heritage Assessment

The objectives of the Aboriginal Heritage assessment are to:

- Implement the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 with the objective of identifying and engaging Aboriginal knowledge holders for the study area.
- Review previous archaeological studies undertaken in the vicinity.
- Review the landscape context to help inform the predictive model.
- Summarise and discuss the local and regional character of Aboriginal land use and its material traces.
- Predict the nature and extent of archaeological evidence at the site.
- Undertake an archaeological survey and record the presence and extent of Aboriginal objects that are present in the study area.
- Involve the Aboriginal knowledge holders in the cultural heritage assessment process, including consultation to determine their opinions with respect to the project and its potential 'harm' to their cultural heritage and measures to protect their cultural heritage.
- Determine if there is a need to extend the investigation to undertake test excavations.
- Determine the nature and extent of the impacts of the proposed development upon the Aboriginal cultural heritage of the study area.
- Make recommendations for the protection of Aboriginal cultural heritage at the study area.

3 Methodology

The following defines the proposed methodology for the Aboriginal Cultural Heritage Assessment (ACHA). The ACHA will be carried out in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010, Aboriginal cultural heritage consultation requirements for proponents 2010, the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011 and Applying for an Aboriginal Heritage Impact Permit: Guide for applicants 2011. The methodology is depicted in Figure 1: ACHA Methodology. The Steps are described in more detail in Table 1.

Step	Method
1: Initiate Consultation Process	The consultation process is initiated in accordance with Aboriginal cultural heritage consultation requirements for proponents 2010.
2: Review previous archaeological work	Review previous archaeological work in accordance with the requirements of Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010. The review of previous archaeological work is defined in section 6.1.

3: Review the landscape context	The review of the landscape context as defined in sections Error! Reference source not found. and complete in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
4: Discuss the local and regional character of Aboriginal land use and its material traces	The local and regional character of Aboriginal land use and its material traces is described in section 6. An Archaeological Report will also be prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
5: Predict the nature and distribution of evidence	A predictive model is described in Section Error! Reference source not found. and has been prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
6: Undertake an archaeological survey	An archaeological survey of the study area was undertaken in August 2020 in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
7: Decide if additional archaeological investigation is required?	The archaeological assessment and results will determine if it is appropriate to undertake further archaeological investigation at the study area.
8: Document findings and interpretation of results in an Archaeological Report	An archaeological report will be prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010. This report will be expanded upon following the outcomes of a test excavation program for the study area if this is a requirement.
9: Seek cultural information from Registered Aboriginal Parties	Information on the cultural information for the study area is sought during the methodology review and as per requirement 3 of the Aboriginal cultural heritage consultation requirements for proponents 2010. Information gathered includes places of social, spiritual and cultural value, historic places with cultural significance, and potential places/areas of historic, social, spiritual and/or cultural significance. Information gathered will be used to further inform how the landscape was used, the social, cultural, aesthetic, historic and scientific values to enable an overall assessment of the significance of the study area and the associated values. Assessing values and significance will be undertaken as per section 2.4.2 of

	the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011.
10: Determine if there will be harm to cultural heritage	Harm, or potential harm will be assessed as per section 2.5 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011. Assessing measures to avoid harm will be considered in accordance with sections 2.6 and 2.7 from the same guide. Registered Aboriginal knowledge holders will be consulted during this process as per the Aboriginal cultural heritage consultation requirements for proponents 2010 to help determine management options and mitigation measures.
11: Complete ACHAR	An Aboriginal Cultural Heritage Assessment Report will be prepared in accordance with section 3 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011.
12: Complete and Submit AHIP if required	If there is a requirement to request an Aboriginal Heritage Impact Permit, this will be done in accordance with Applying for an Aboriginal Heritage Impact Permit: Guide for applicants 2011.

Table 1: ACHA Methodology

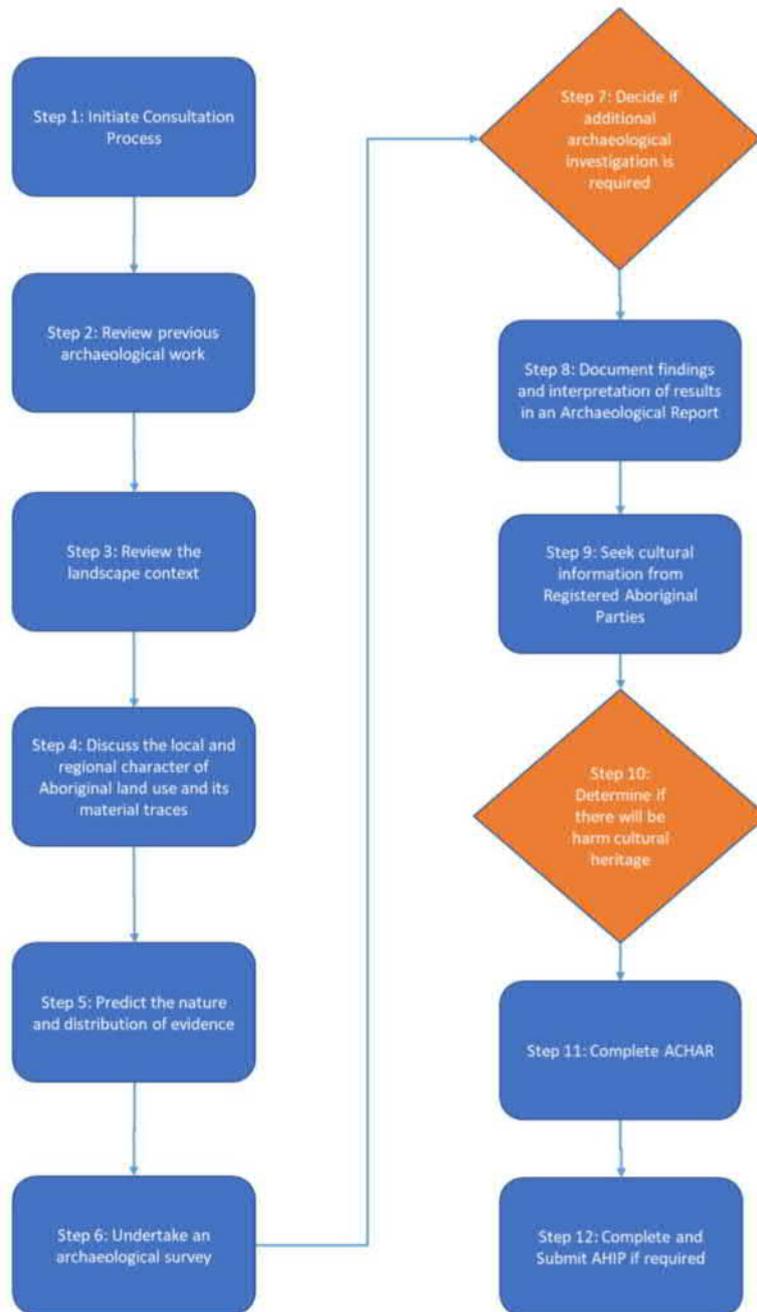


Figure 1: ACHA Methodology

4 Description of the Study Area

4.1 Location and Proposed Development

The study area is at Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Figure 2 shows an aerial image of the school located in the suburb of Glenwood. Figure 3 shows the existing layout of the school. The proposed development includes the design options shown in Figure 5, Figure 6, Figure 7, and Figure 8.



Figure 2: Shows the study area, Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Source Bing Virtual Earth and Open Street Map Contributors.

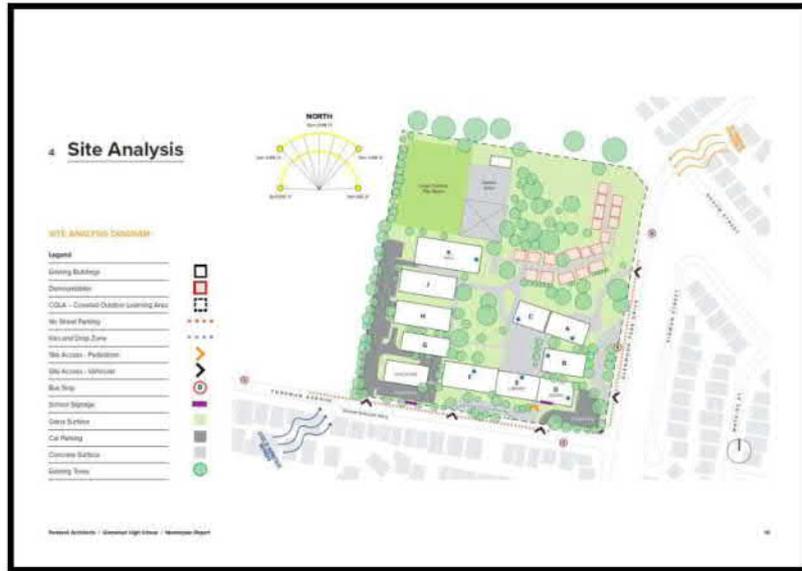


Figure 3: Existing site layout for Glenwood High School. (Source SINSW/Pedavoli Architects 2020).

4.2 Proposed works

SI NSW have requested Pedavoli Architects to prepare four options for the Glenwood High School to deliver an increase in student accommodation, remove demountable buildings and upgrade facilities to stream 9 and 12 for up to 1,900 students. Construction activity associated with the proposed options would have a significant impact upon the soils within the development footprint.

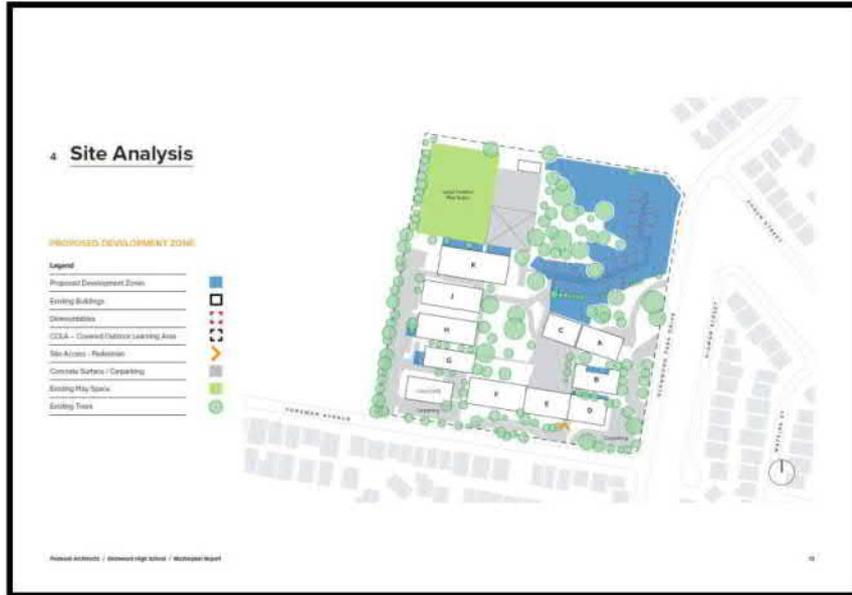


Figure 4: Plan showing the location of the proposed development in blue (Source SINSW/Pedavoli Architects 2020).



Figure 5: Proposed development option 2A (Source SINSW/Pedavoli Architects 2020).



Figure 6: Proposed development option 2B (Source SINSW/Pedavoli Architects 2020).

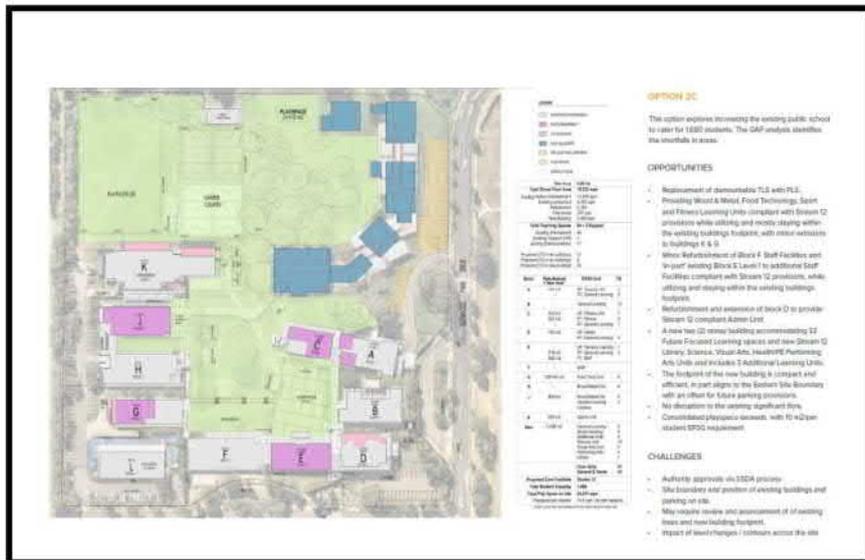


Figure 7: Proposed development option 2C (Source SINSW/Pedavoli Architects 2020).

Tree canopy species include *Eucalyptus moluccana* (grey box), *Eucalyptus fibrosa* (red ironbark, broad-leaved ironbark), *Eucalyptus tereticornis* (forest red gum), *Eucalyptus crebra* (narrow-leaved ironbark), *Eucalyptus eugenioides* (thin-leaved stringybark), and *Corymbia maculate* (spotted gum).

Small to medium sized trees include *Acacia decurrens* (black wattle, green wattle), *Exocarpos cupressiformis* (native cherry), *Acacia parramattensis* (Parramatta wattle), *Acacia implexa* (hickory wattle) and *Melaleuca decora* (paperbark).

Shrubs include *Acacia falcata* (sally), *Acacia implexa* (hickory wattle), *Breynia oblongifolia* (coffee bush), *Lissanthe strigose* (peach heath), *Rubus parvifolius* (native raspberry), *Dillwynia sieberi*, *Bursaria spinosa* (blackthorn), *Daviesia ulicifolia* (gorse bitter pea), *Dodonaea viscosa subsp. cuneate* (wedge-leaf hop-bush), *Indigofera australis* (native indigo).

Grasses and grass-like species include *Aristida ramosa* (purple wiregrass), *Themeda triandra* (kangaroo grass), *Dichelachne micrantha* (plumegrass), *Cymbopogon refractus* (barbed wire grass), *Microlaena stipoides subsp. stipoides* (weeping grass), *Lomandra filiformis subsp. filiformis* (wattle mat-rush), *Lomandra multiflora subsp. multiflora* (many-flowered mat-rush), *Cyperus gracilis* (slender sedge).

5.1.2 Geology

The study area is located within the Cumberland Plain. The landscape of the local and surrounding area can be characterised as flat to gently undulating topography, with landform elements including drainage depressions, flats, residual rises, simple slopes and crests. The surface geology is part of the Wianamatta Group forming part of the Middle-Triassic sequence. The underlying geology of the study area is composed of the Ashfield Shales. Quaternary sand, silts, and clays form the surface deposits in the low-lying areas and depressions (Jones and Clark 1991) (see Figure 9).

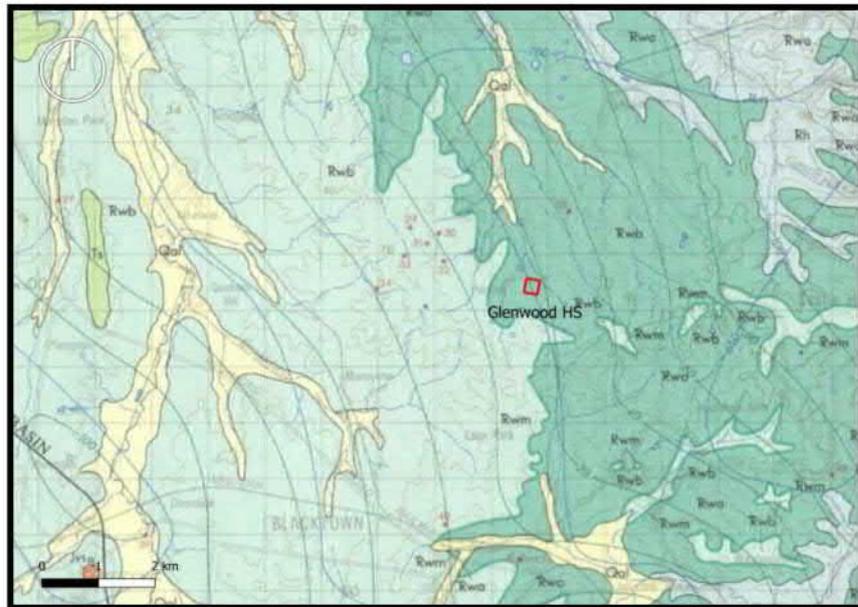


Figure 9: Geology Map for the Glenwood High School. Rwb represents shale, carbonaceous claystone, laminate, fine to medium grain lithic sandstone, rare coal and tuff (Clark and Jones 1991).

5.1.3 Soil

Soils of the study area are part of the residual Blacktown soil landscape (see Figure 10): these have formed in situ from the underlying shale geology. This landscape is characterised by shallow to moderately deep red, brown and yellow podzolic soils. Soil fertility and drainage are low. These soils are susceptible to erosion when the vegetation is not maintained (Bannerman and Hazelton 1990).

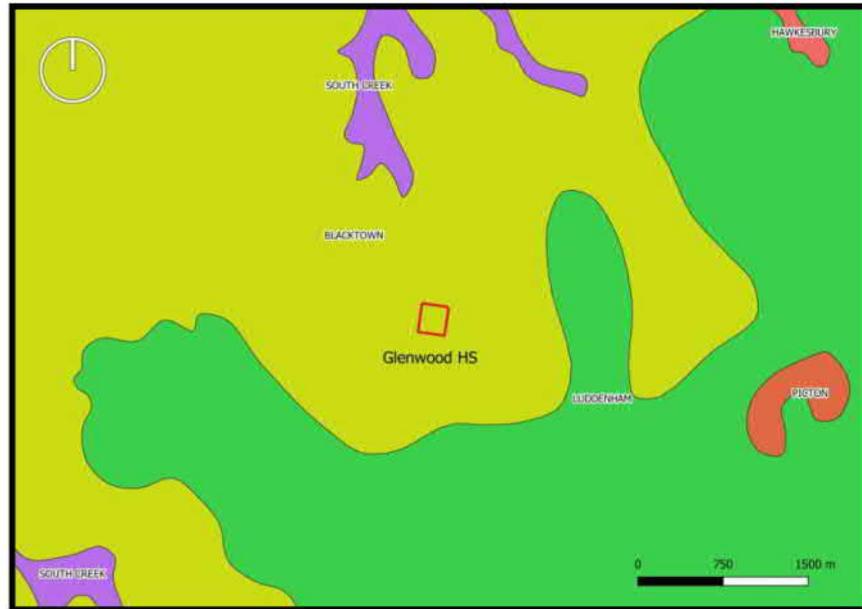


Figure 10: Soil landscape map showing the location of the Glenwood High School within the Blacktown Soils landscape (Bannerman and Hazelton 1990).

5.1.4 Terrain

The topography of the study area is a very gently sloping lower slope approaching the confluence of two first order streams to the north. Both streams have been significantly modified and reshaped to address the hydrology requirements associated with the urban development of the area. Figure 11 and Figure 12 show a three dimensional perspective of the study area.



Figure 11: 3D view looking north across the study area showing flat to gently undulating terrain (Aerial image and LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.).

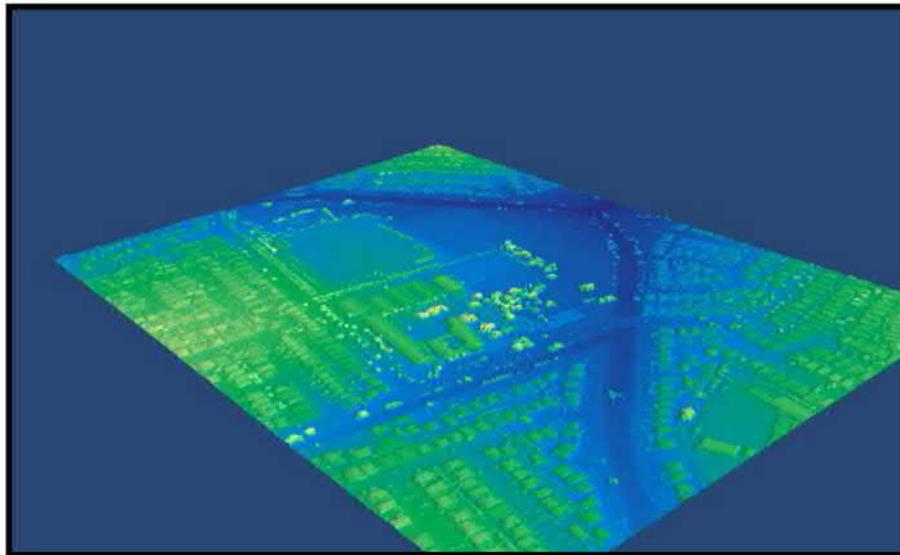


Figure 12: LiDAR derived image looking north-west. The modified channels from the original first order streams can be seen. LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.

6 The Archaeological Context

The earliest presence of Aboriginal people in the Sydney Basin is uncertain. There is evidence for Pleistocene occupation of the region around 40,000 years ago. Until recently the earliest accepted date from the region came from a rock shelter identified as Shaws Creek K2 just north of Penrith on the Nepean River. This was dated to 14,700 +/- 250 BP (Attenbrow 1987, 2002: 20). In the Blue Mountains to the west of Sydney dates have been obtained at the Kings Table shelter of 22,300 BP (Stockton 1993). Archaeological excavations carried out at Parramatta by McDonald (2005) report dates as early as 30,000 years BP, providing some of the oldest dates for the Sydney Basin. Though limited details around the methodology used to collect the samples and obtain the dates has meant that the dating has not been subject to a sufficient level of scrutiny within the profession to enable confidence in the dates reported (Bowdler 2010). The most recent dates from the Parramatta Sand Sheet indicates that this area was occupied from between 35-40,000 years BP (GML 2019).

The archaeological evidence for the majority of Aboriginal sites on the Cumberland Plain indicates that the area was intensively occupied from approximately 4,000 years BP (JMCHM 2007). Most researchers believe that these relatively 'young' dates are probably more a reflection of conditions of archaeological site preservation, rather than actual evidence of the presence or absence of an Aboriginal population prior to this time.

Our understanding of how and when Aboriginal People occupied and used the Sydney Landscape is largely based upon changes observed in the composition of stone tool assemblages. Detailed archaeological investigations of the Aboriginal settlement patterns of Sydney's Cumberland Plain can be traced back to the mid-1980s. This was a period marked by the rapid growth in residential and other forms of development across the area. Recent intensive development activities have meant that the Cumberland Plains are one of the most intensely investigated archaeological regions in Australia. These Aboriginal archaeological investigations have identified over 4,000 sites across this region. These works have revealed a rich and diverse record of past Aboriginal occupation on the Cumberland Plains. Summaries of these works are included in reports by Attenbrow (2010), JMCHM (1997), McDonald (2008) and Przywolnik (2007).

Kohen's (1986) early research of prehistoric settlement of the Western Cumberland Plain found that material evidence of occupation can be found 'continuously across the landscape, with no environmental zone left unexploited.' He also found that most sites occurred within 100 metres of permanent water sources, on elevated terraces above water, and that major occupation sites would occur at the junction of difference environment zones where there was an increase in plant based food resources.

Key factors drawn from the research and our present understanding of the archaeology of the Cumberland Plain include:

- Available radiocarbon determinations and optically stimulated luminescence dating indicate Aboriginal people have occupied the Cumberland Plain for potentially as long as 40,000 years;
- Aboriginal settlement patterns on the Cumberland Plain have been linked to a variety of environmental factors, with proximity to water, stream order, landform and geology being some of the key attributes dictating location of sites;
- Most surface sites will occur on landform elements within 200m of watercourses, with larger more complex artefact assemblages associated with higher order streams;
- Artefact distributions across the Cumberland Plain do not form bounded 'sites' but rather cultural 'landscapes'; and
- Subsurface artefact distributions across the Cumberland Plain tend to vary significantly in relation to landform and stream order.

6.1 Previous Archaeological assessments

Archaeological investigations have been conducted within the zone of the extensive AHIMS search carried out for the study area. These are summarised as follows -

In 1989, Mary Dallas was commissioned by the Blacktown City Council to conduct an archaeological study of the land within the Parklea Release Area. During the investigation three distinct site types were identified, the first being archaeologically insignificant areas. The second site type were archaeologically sensitive areas which require further investigation and the third was an archaeologically significant area containing an open camp site. The study area is located on a well-documented environmental landscape. The area consists of undulating hills with ridge lines. Creeks and their associated tributaries drain into the low hills and empty into Cattal Creek. Second Ponds Creek and Caddies Creek are both sources of permanent water. The study area overlies the Bringelly and Ashfield Shales of the Wiannamatta Group. The Bringelly Shales are located on the ridge lines, separating the major creeks, while the Ashfield Shales occur along the creek lines. The soil profile in the study area is largely derived from the erosion of the shales. The soil is composed of clay loams, which historically would have supported eucalypts and sclerophyll. The study area has been largely modified into farms and residential areas. Furthermore, Second Ponds Creek has been exposed to erosions and destabilization from forest clearing. Previously, two archaeological investigations have been conducted in the Parklea Release Area both identifying camp sites, indicated by stone artefact scatters along exposed or eroded edges of Second Ponds Creek. Previous predictions of Aboriginal artefacts found in the area have indicated that sites can be found on any type of topographic landscape and will occur in a higher density towards water sources however, European settlement and major flooding has cause inconsistencies in the predicted distributions of artefacts. The archaeologically sensitive areas found in this study were identified as ridgetops or along creek lines. The archaeologically significant site displays continuous occupation of the area running along the creek line.

In 1993, Josephine McDonald conducted an archaeological survey of the Rouse Hill Infrastructure Project located along the Caddies and Second Ponds Creek in Rouse Hill. The

study was the second survey commissioned by Rouse Hill Pty Ltd in stage one of the developments. During the survey, six sites, six isolated finds and four potential deposits were identified. These are in addition to previously recorded sites in the area. Six of the sites were open sites, all containing artefacts and one with grinding grooves. The most common type of site found during this survey and previous surveys were open camp sites and grinding grooves with the least common including scarred trees, rock engravings and shelters with art. The artefacts found during the surveys generally include mudstone, silcrete and quartzite debitage.

In 1993, Elizabeth Rich was commissioned by Rouse Hill (Stage 1) Pty Ltd to conduct archaeological investigations of the site's PK/PC 1-5 in Parklea. Generally, the archaeological material found during the investigation was minimal however focused activity areas occurred in eight of the locations. The study area is located on the Cumberland Plain and forms the upper catchment of a gully draining into Caddies Creek. The study area overlies the Ashfield Shale with the hills to the west of the area composed of the Minchinbury sandstone and Bringelly Shale. Alluvial fills surrounding the area indicate episodes of infilling and gullying from low energy channels. The topography contains undulating hills with minimal erosion. Extensive modification after European settlement has resulted in native vegetation being cleared however some mature trees occurred. The sites PK/CD1+2 and PK/CD3-6 were identified as archaeologically significant and occur towards Caddies Creek. Furthermore, the site at Second Ponds Creek occurs 1.5km west. The sites are associated with semi-permanent to permanent water sources. Investigations of stone artefacts found indicate that all stone artefacts were imported with the predominant material being silcrete. The eight locations that contained artefacts were located within 50m of water sources or former drainage lines.

In 1993, Brayshaw McDonald Pty Ltd conducted an archaeological investigation of a potential archaeological deposit (PAD 21) at Parklea NSW. They were commissioned by Rouse Hill (Stage 1) Pty Ltd as part of an ongoing investigation linked to the Rouse Hill Infrastructure Project. Investigations uncovered a low density of archaeological material over most of the study area with major concentrations in one location. The major concentration is located on alluvial flats and the material suggests knapping was the primary activity. The study area is located on the Cumberland Plain with four major creek lines within the vicinity. It overlies the Ashfield Shale with several alluvial deposits forming along the creek lines. The topography consists of flood plains surrounding gentle hill slopes with swamp areas forming between. Historically, the vegetation consisted of eucalypts as well as other native trees adapted to the clay soils derived from the shales. The area has been largely cleared of vegetation however the ground remains undisturbed. The variations and densities of the archaeological materials indicates that different groups have entered the location throughout time for various reasons. Most of the artefacts found came from alluvial areas in the upper sections of the soil profile. The artefacts were predominantly silcrete with small amounts of quart and mudstone.

In 1993, Josephine McDonald undertook an archaeological investigation of sites PK/CD 3-6 at Parklea. The report was commissioned by Rouse Hill (Stage 1) Pty Ltd. The study area is located on the Cumberland Plain and is surrounded by tributaries associated with Caddies

Creek. The area is underlain by gentle slopes with little erosion. Much of the study area has been cleared of vegetation however native trees remain at the edges of water sources. Dams have been placed in various areas of paddocks. References in the Sydney Gazette in 1805 and worked glass material previously found in the area indicates the possibility of contact materials. Extensive land disturbance has occurred in some of the study area however the hillslope (containing PK/CD4, PK/CD5 AND PK/CD6) appear to be relatively undisturbed. The study area ranges from moderate to high archaeological potential. Sites PK/CD3 and PK/CD5 are low density with minimal archaeological significance. Sites PK/CD4 and PK/CD6 contain backed blades and showed no evidence of heat treatment areas, contrasting to PK/CD1 and PK/CD2, further downstream.

In 2002, Jo McDonald and Mary Casey conducted a survey commissioned by Rouse Hill Infrastructure Consortium in a development area near Second Points Creek. During the investigation, 22 archaeological sites, isolated finds and potential deposits were located. A sandstone bridge, weir and a dam in the development area are also considered valuable to the investigation. The development area is located on the Cumberland Plain and overlies the Hawkesbury Sandstone, Ashfield Shale and Bringelly Shale subgroups. The areas underlain by the shale subgroups have produced hillslopes, terraces and alluvium landscapes. There are several nearby raw material sources for stone artefacts. Historically, the study area contained forests and woodland associated with clay soils derived from shales. Much of the study area has been cleared with severe soil disturbance however some areas remain intact. Predictive modelling in the investigation suggest that higher densities of artefacts will be found near shale hillslopes, ridges and first order tributaries. The sites identified in this investigation and previous investigations remain generally consistent with this trend.

In 2003 Biosis Research undertook an archaeological assessment of the site of the proposed school at Glenwood. The predictive model for the site predicted that there was a high likelihood of Aboriginal objects being present at the site and that due to the extensive vegetation cover subsurface investigations were recommended. Two artefacts and a potential scarred tree were identified during the site survey. The recommendations for the site included fencing of the scarred tree, application to impact permits for both of the isolated artefacts, and a program of archaeological testing.

In 2004 Biosis Research undertook the archaeological test excavation program that they had previously recommended during the investigation undertaken in 2003, including a salvage and monitoring program on the Glenwood High School site, that they had previously assessed in 2003. Under a consent permit a series of 80 test pits were excavated, and a number of grader scrapes were undertaken from which 116 artefacts were recovered. 98% of the archaeological resource was found in a sub-surface context.

In 2006, Stedinger Associates was commissioned by EDAW Australia Pty Ltd to conduct an Aboriginal site survey and assessment of Waite Reserve CR710 in Acacia Gardens in Blacktown. During the survey one isolated artefact and a potential archaeological deposit was identified. The isolated artefact was a flake made of mudstone found at surface level. The PAD was moderately disturbed and at an elevated area. The study area is located on the

Cumberland Plain primarily underlain by the Wianamatta Shales. Some areas of the geology are susceptible to erosion which has contributed to undulating hills, tertiary terraces and alluvial flats. The clay soils in the area are derived from the shales and historically would have supported open eucalypt woodlands. European settlement has resulted in much of the area being cleared and repurposed for agriculture. Modern vegetation consists of a mix of various introduced and native species. Several sites have been recorded in the 2km vicinity of the development area consisting mainly of open campsites, isolated finds and potential archaeological deposits.

In 2012, Godden Mackay Logan Heritage Consultants and Jo McDonald Cultural Heritage Management undertook an archaeological excavation of Aboriginal site 45-5-2653 within Lot 2 and Lot 4 Windsor Road, Kellyville. The excavation was carried out on a lower slope adjacent to a third order stream. The excavation revealed a low density of artefacts. Backing was the most frequent type of modification that had been applied to artefacts. Backed artefacts comprised approximately four percent of the total assemblage. The significance of the site was assessed as being of low to moderate scientific significance. The deposit did not exhibit chronological stratification.

The assemblage was compared with other nearby assemblages from Second Ponds Creek to determine if changes in stream order, from second to fourth order streams influenced changes in the nature and complexity of the assemblage. The assemblage did not display the expected changes in correspondence to the stream order change. Other factors apart from the proximity to water influenced how the site was used and the corresponding makeup of the assemblage. The distance decay model was also applied. This considered changes in the artefact characteristics relative to rationing, as distance to the known raw material source of silcrete increased. Comparisons of the study area with other sites with varying distances of the known raw material source gave results that did not provide consistent support for the model (Godden Mackay Logan Heritage Consultants and Jo McDonald Cultural Heritage Management 2013:60-67).

6.2 AHIMS Search

A search of the AHIMS database records for the area within approximately 2 km radius of the study area identified 77 recorded sites. The sites are shown in Table 2 and Figure 13.

Site ID	Site name	Context	Site features	Site types
45-5-2027	PK/GD1 near Parklea	Open site	Artefact	Open Camp Site
45-5-2017	Belvis 7 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2018	Belvis 3 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2019	Belvis 2 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2020	Belvis 1 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2712	PAD-05-19	Open site	Artefact	

45-5-2713	PAD-05-18	Open site	Artefact	
45-5-2774	Bella Vista 5	Open site	Artefact	
45-5-2652	PAD33	Open site	Potential Archaeological Deposit (PAD) , Artefact	
45-5-2874	RH/SP20 (formerly PAD40)	Open site	Potential Archaeological Deposit (PAD)	
45-5-2876	Glen 1 duplicate of 45-5-2887	Open site	Artefact	
45-5-2877	Glen 2 duplicate of 45-5-2889	Open site	Artefact	
45-5-2887	Glen1 duplicate of 2876	Open site	Artefact	
45-5-2889	Glen2 duplicate of 45-5-2877	Open site	Artefact	
45-5-2890	RH/CR1	Open site	Artefact	
45-5-3288	BVFP3	Open site	Artefact : 1	
45-5-3289	BVFP1	Open site	Artefact : 2	
45-5-3290	BVFP2	Open site	Artefact : 2	
45-5-3291	BVFP4	Open site	Artefact : 1	
45-5-3354	BRO1	Open site	Artefact : 13	
45-5-3954	Fairway Drive IF1	Open site	Artefact : 1	
45-5-3955	Arnold Avenue IF1	Open site	Artefact : 1	
45-5-2570	RH/SG1	Open site	Artefact	Open Camp Site
45-5-2408	Bella Vista 2;	Open site	Artefact	Open Camp Site
45-5-2409	Bella Vista 3;	Open site	Artefact	Open Camp Site
45-5-2410	Bella Vista 4;	Open site	Artefact	Isolated Find
45-5-2294	PK/PC2 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0973	Powers Lane 4;PL-4;	Open site	Artefact	Open Camp Site
45-5-0981	OWR IF 2;	Open site	Artefact	Open Camp Site
45-5-0989	OWR IF2;	Open site	Artefact	Open Camp Site
45-5-0910	PK/CD 1 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0911	PK/CD 2 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0912	PK/CD 3 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0913	PK/CD4 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0914	PK/CD 5 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0929	PK/PC 5;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0935	Powers Lane 1;	Open site	Artefact	Open Camp Site
45-5-0936	Powers Lane 2;	Open site	Artefact	Open Camp Site
45-5-0937	Powers Lane 3;	Open site	Artefact	Open Camp Site

45-5-0939	PK/PC 4;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0940	PK/CD7;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2281	PK/PC2;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2282	PK/PC3;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2293	PK/PC1 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0962	OWR 7;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0963	OWR 8;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2365	KV/CD1 and NWRL PAD 8	Open site	Artefact , Potential Archaeological Deposit (PAD)	Open Camp Site
45-5-2366	KV/NW1 (Northwest Estate Kellyville)	Open site	Artefact	Open Camp Site
45-5-0492	Bella Vista 1	Open site	Artefact	Open Camp Site
45-5-3063	Burns Road Compound PAD	Open site	Potential Archaeological Deposit (PAD)	
45-5-3064	Burns Road North IF1	Open site	Artefact	
45-5-0916	PK/CD 6 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-3518	Acacia 01	Open site	Artefact	
45-5-3519	Acacia PAD 01	Open site	Artefact	
45-5-3703	Kings Langley 1	Open site	Artefact	
45-5-3704	Kings Langely 2	Open site	Burial	
45-5-3706	Kings Langley 4	Open site	Artefact	
45-5-3707	Kings Langley 5	Open site	Artefact	
45-5-4261	NWRL PAD 9 - Duplicate of 45-5-4846	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4262	NWRL PAD7 - Potential duplicate of 45-5-4841	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4263	NWRL PAD5 - Duplicate of 45-5-4843	Open site	Potential Archaeological Deposit (PAD) : 1	
45-5-4264	NWRL PAD 4 - Potential Duplicate of 45-5-4839	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4195	Corner of Taggart Way and Balmoral Road	Open site	Artefact : 1	
45-5-2443	Belvis 4	Open site	Artefact	Open Camp Site
45-5-3081	OWR 8	Open site	Artefact : 1	
45-5-3158	WR-IF-1	Open site	Artefact : 1	
41-5-0010	PK/PC6	Open site	Artefact : 13	
45-5-3192	PL-OS-1	Open site	Artefact : 3	

45-5-3193	ML-OS-2	Open site	Artefact : 8	
45-5-3194	ML-OS-1	Open site	Artefact : 4	
45-5-3195	ML-OS-3	Open site	Artefact : 3	
45-5-3196	PL-OS-2	Open site	Artefact : 8	
45-5-3199	Acacia - PAD - 01	Open site	Potential Archaeological Deposit (PAD)	
45-5-3200	Acacia - 01	Open site	Artefact	
45-5-3844	MA1 (Riverstone)	Open site	Artefact : 1	
45-5-3845	MA2 (Riverstone)	Open site	Artefact : 3	
45-5-3846	MA3 (Riverstone)	Open site	Artefact : 3	
45-5-3847	MA4 (Riverstone)	Open site	Artefact : 4	
45-5-4838	14 Cumbelege Lane1 and NWRL PAD 6	Open site	Artefact , Potential Archaeological Deposit (PAD)	
45-5-4839	NWRL PAD 4 - Potential Duplicate of 45-5-4264	Open site	Potential Archaeological Deposit (PAD)	
45-5-4841	NWRL PAD 7 - Potential duplicate of 45-5-4262	Open site	Potential Archaeological Deposit (PAD)	
45-5-4843	NWRL PAD 5 - Duplicate of 45-5- 4263	Open site	Potential Archaeological Deposit (PAD)	
45-5-4846	NWRL PAD 9 - Duplicate of 45-5- 4261	Open site	Potential Archaeological Deposit (PAD)	
45-5-4905	Fairway Drive AFT 2	Open site	Artefact	
45-5-4906	Fairway Drive AFT 1	Open site	Artefact	
45-5-4775	31-33 Fairway Drive Kellyville	Open site	Artefact : 15	

Table 2: List of site records obtained from AHIMS database from a 2 km search radius.

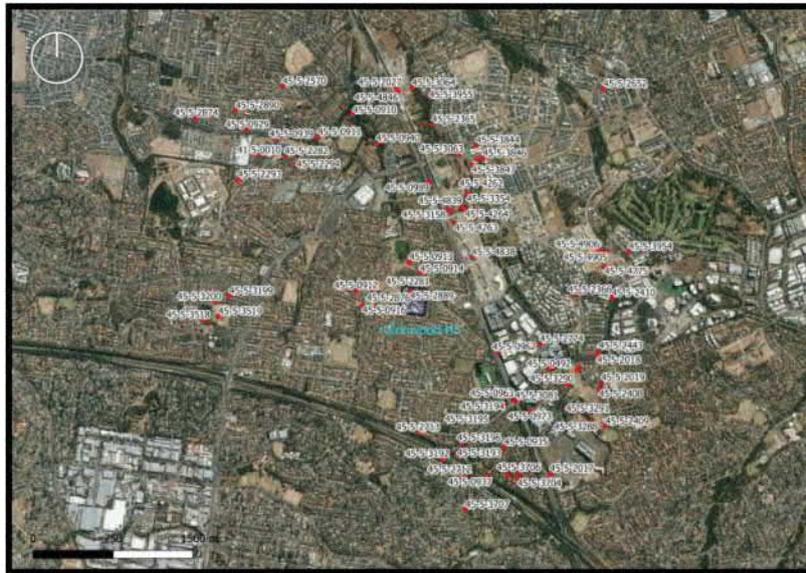


Figure 13: Image showing the location of recorded Aboriginal sites from the AHIMS search using a 2km radius search area. Glenwood High School is shown at the centre of the image. Aerial image source Six Maps © Department Finance, Services and Innovation, NSW Government.

7 Historical Land Use

The land on which the Glenwood High School is located was the traditional lands of the people of the Darug language group, and was probably the traditional lands of the Bediagal Clan (Attenbrow 2002:23-24). With European occupation and colonisation of the land came the displacement of people from their traditional lands, and the introduction of land clearing and farming practices that had never been previously used on the continent. Land grants in the area that is known today as Glenwood began to occur during 1818 (Thorp et al. 1993:11). The land where Glenwood High School is located was first granted to William Randall as a 100acre grant on the 13 January 1818. Figure 17 shows the record of the land grant to William Randall in 1818 in what was originally, the District of Bathurst, Parish of Gidley. This was Portion 64 of the Parish of Gidley. Records show that Randall did not hold on to the land for long. Portion 64 was transferred to Daniel Brien and Timothy Brien, and then to James Pearce in 1832, and then Mathew Squire Pearce, a Kellyville farmer, in 1897. In 1901 the land was transferred to Arthur Brien, a Seven Hills farmer, and then the land passed through several other owners until 1974 when it was subjected to a resumption by the Housing Commission of NSW (NSW Land Registry Services: Application 10362; Vol 1239-175; Vol 1341-157).

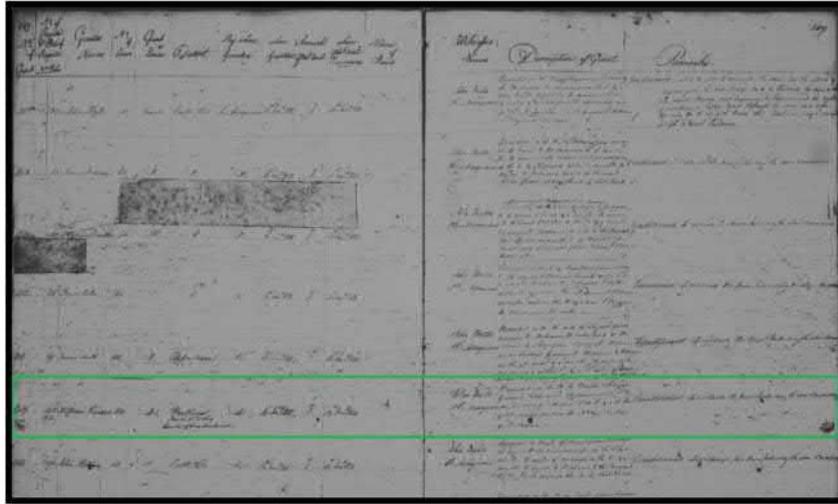


Figure 17: Register of land grant showing the 100acre grant to William Randall in the former District of Bathurst, Parish of Gidley (State Archives NSW NRS-13836 Registers of land grants and leases 7/447 Reel 2561).

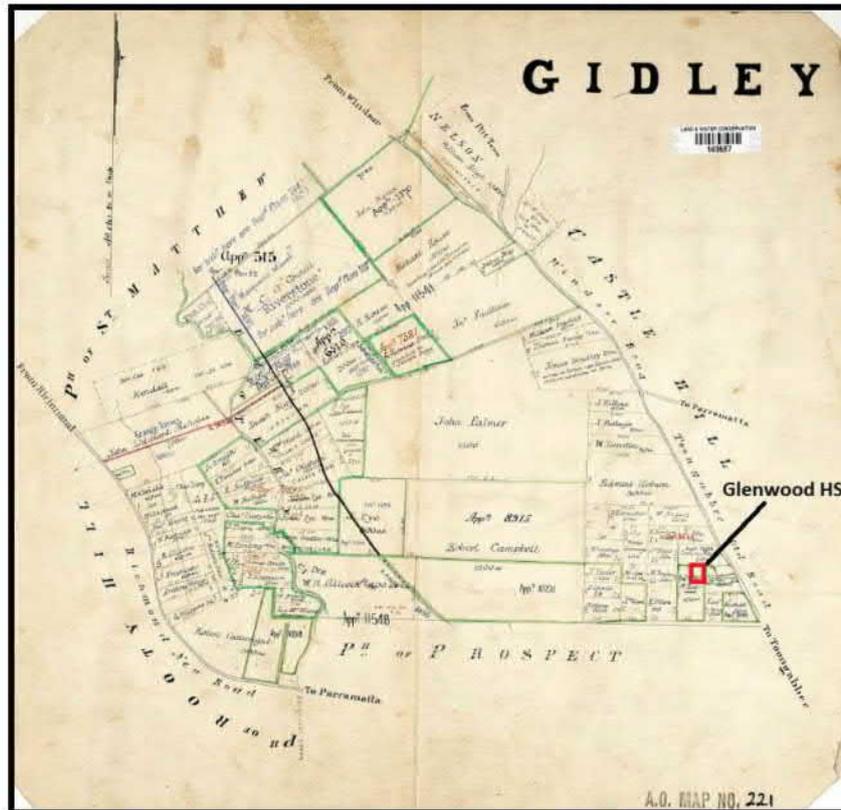


Figure 14: Early Parish map of Gidley showing the location of the Glenwood High School (Source NSW LRS HLRV Parish of Gidley).

Research of the study area does not indicate that there were any early buildings, dwellings or other structures on the site of the Glenwood High School. Early aerial images of the site from 1955 show the study area as being partially cleared on the west side and partially vegetated to the east. There is no evidence of furrows or cultivation in this image suggesting that the study area was probably initially used for grazing. Aerial imagery from the 1970s show the presence of furrows from cultivation on the western half of the study area indicating that this part of the study area was used for crop production around this time. Images from 1986 show that there was no further changes in the use of the land. In 1994, whilst the land use remains unchanged there is evidence of the impacts upon the north-eastern corner of the study area from the shaping of the drainage channels associated with the modifications of the stream channel.

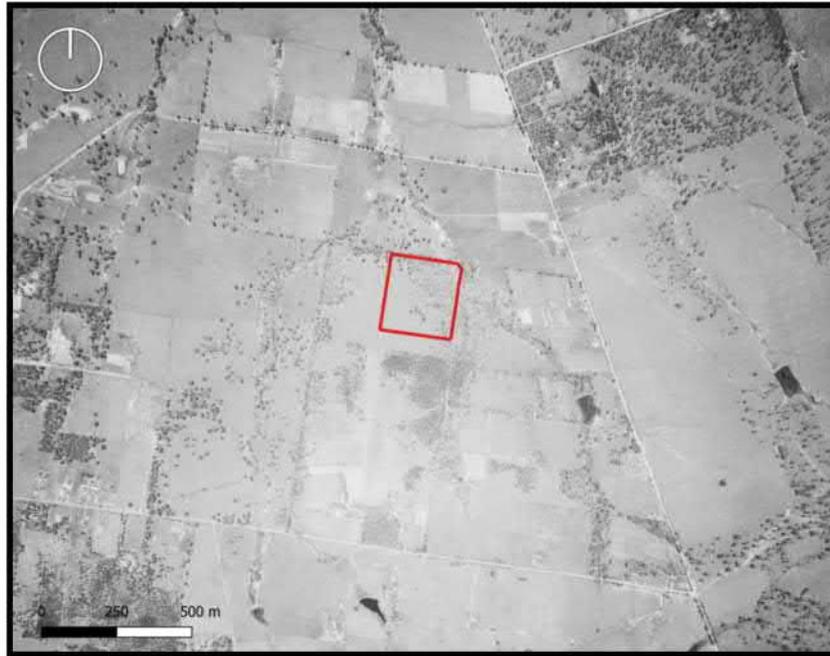


Figure 15: 1955 Aerial Photo of the Glenwood High School site (Source: Spatial Services NSW Government).

7.1 Site Disturbance

A visual inspection of the Glenwood High School was carried out on the 12th of August 2020 as part of the original due diligence assessment. All of the locations within the proposed development footprint were inspected by archaeologists William Moon and Danielle Mitchell. There is evidence that the study area and development footprint have been subjected to land clearing and some degree of modification associated with the installation of the temporary buildings and the associated services to these buildings. There is also evidence in the aerial imagery sourced for the assessment that shows the civil works associated with the remodelling and changes to the nearby stream channels have impacted upon the northeast corner of the study area (refer to Figure 16).

The results of geotechnical investigations undertaken at the study area found that in all of the bore hole locations within the development footprint that soils consisted of fill above the sterile B Horizon clays. There were no natural soils present in the A Horizon. The bore holes were located within the area observed in earlier aerial imagery that shows signs of earthworks associated with the creek channel modifications, and where the temporary school buildings have been located.



Figure 16: Aerial Image from 1994 showing that civil works associated with the remodelling of the stream have intruded into the study area (Source: Spatial Services NSW).

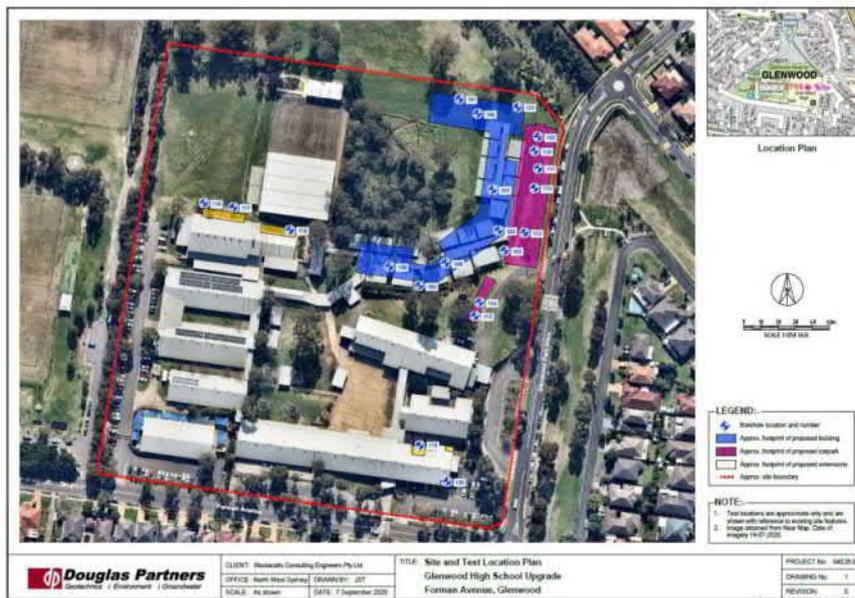


Figure 17: Map of geotechnical bore hole locations (Source SINSW).

8 Predictive Model

The assessment of the archaeological potential of the site is based upon the assessment of the landscape features, assessment of the environment aspects of the site including potential resource areas (Owen and Cowie 2017), the degree of the disturbance of the landscape, the stream order model (White and MacDonald 2010), and the review of the AHIMS site data and previous studies undertaken within the locality.

8.1 Stream Order, Topography and Artefact Concentrations

The study area is located on gently sloping ground on a lower slope landform with a northern aspect. Two first order streams are located to the east and to the northwest of the study area. The confluence of these streams is approximately 270 metres to the north of the development footprint. The path of the two first order streams has been moved from their original position as a result of the urban development and a redesign of the hydrology for the suburb. Figure 18 shows the original position of the streams relative to the study area with one stream running along the eastern margin of the study area and the other to the west and northwest. The modified stream channels are shown in Figure 12, Figure 16 and Figure 19.

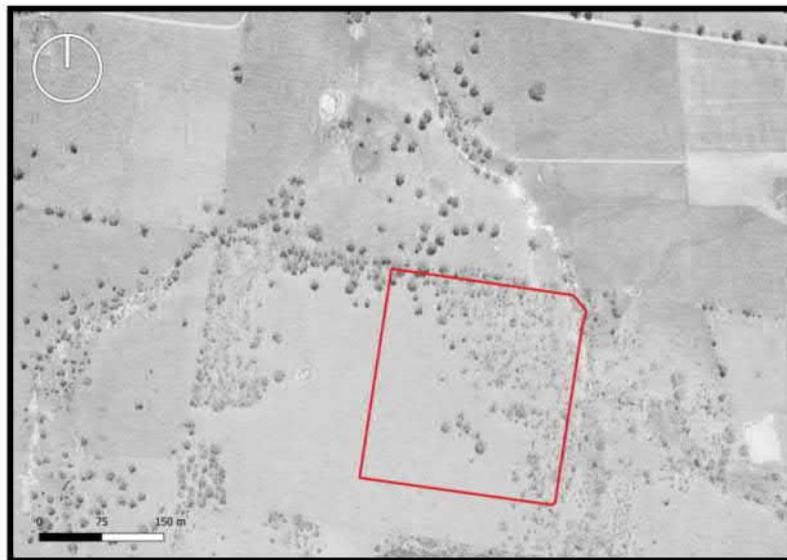


Figure 18: 1955 aerial image showing the location of streams relative to the study area (source: Spatial Services NSW).

Research of the results of systematic test excavations undertaken in the Rouse Hill area of the Cumberland Plain by White and MacDonald (2010) found that the highest density of artefact concentrations correlated with higher order streams. Highest densities were found associated with terraces and lower slope zones within 50 to 100 metres of 2nd and 4th order streams. They also found that landscapes associated with first order streams had very low artefact counts with test squares predominantly yielding zero artefacts. A review of the archaeological studies undertaken in the surrounding area within a 2km radius of the study area suggests that low density artefact distribution is likely within the development footprint for the study area.



Figure 19: Image showing first order streams to the northwest and northeast of the study area converging just to the north. Streams data accessed from Spatial Services NSW. Aerial image from SixMaps © Department Finance, Services and Innovation.

8.2 Economic Zones

A review of the spatial data for the study area shows that a geological change occurs within 350 metres of the site where there is a transition from Ashfield Shale to Bringelly Shale. Approximately 900 metres from the study area there is a change in soils with a transition from Blacktown soils to Luddenham soil landscapes, and there is an increased presence of Turpentine Ironbark forest. It is not known whether this transition zone may have created an ecotone or economic zone (Owen and Cowie 2017) and it is considered too distant from the study area to exhibit evidence of increased activity due to exploitation of the economic zone.

8.3 Scarred Trees

There is potential for scarred trees to be present on the Cumberland Plains. A potential scar tree was identified at the site during the survey undertaken by Biosis Research (2003). This tree is outside of the development footprint.

8.4 Rock Shelters

There are no rock shelters in this part of the Cumberland Plain which is dominated by the Wianamatta Group Ashfield Shale. There are no exposed sandstones in the area that would enable the formation of suitable shelters.

8.5 Grinding Grooves

On the Cumberland Plains, grinding grooves are normally present on sandstone exposures, often along creek lines and where water is present. An analysis of the study area indicates that the geology is dominated by the Ashfield shales (Wianamatta Group shales). There is no exposed sandstone within the development footprint.

8.6 Stone Raw Material Quarries and Source Locations

There are no known raw material sources within or in close proximity to the study area. An analysis of the study area indicates that the geology is dominated by the Ashfield shales (Wianamatta Group shales) which is not a suitable raw material for stone artefacts. There are known raw material sources on the Cumberland Plain, the nearest being the Second Ponds Creek (McDonald 1998:6). Plumpton Ridge is also a known silcrete source that is approximately 10km from the study area.

8.7 Ceremonial Grounds

There are no known ceremonial grounds at the site. The majority of the landscape surface at the site has been subject to modification for development and/or from earlier land clearing. There is unlikely to be visible remains of ceremonial structures (e.g. Bora Rings) at the site.

8.8 Burial Sites

There are known burial sites on the Cumberland Plains. There are no known burial sites within the study area, however burial sites may be present anywhere within the landscape and their potential presence must be considered in any archaeological investigations that are undertaken.

8.9 Predictive Model Summary

The study area is associated with a first order landscape with two minor intermittent first order streams to the northeast and northwest of the study area. White and McDonald (2010)

found during their lithic artefact distribution analysis of the Cumberland Plain that test squares in first order landscapes will commonly yield zero artefact counts, or when artefacts are present they will consist of low density distribution. White and McDonald found that with 2nd and higher order landscapes artefact densities increase and distribution becomes more consistent suggesting that proximity to more reliable water sources is associated with more intense use of the landscape for activities such as tool maintenance and production. A review of the previous studies conducted within the surrounding area, and the test excavations undertaken by Biosis (2004) within the original development footprint of the Glenwood High School suggests that the trend of a low density disperse distribution of lithic artefacts will continue across the remainder of the site, if the soils have remained undisturbed.

Based upon the landscape topography, proximity to water, geology, environment, site disturbance, previous studies from the broader Cumberland Plain, and studies within locality, the prediction for the site is for low density artefact concentrations. The study area is predicted to have a limited range of cultural materials and low archaeological sensitivity.

8.10 Archaeological Survey

A site inspection and survey was carried out on the Wednesday the 12th of August 2020 by William Moon and Danielle Mitchell (Tocomwall Senior Archaeologists) as part of the initial Due Diligence Assessment that was carried for the study area. The fieldwork involved undertaking an inspection of the Glenwood High School grounds and the location of the proposed development. The inspection sought to identify any Aboriginal objects and to assess the study area to determine the degree soil surface modification. An inspection was carried out of exposures on the ground to determine if any Aboriginal objects were present. No Aboriginal objects were found during the site inspection. A photographic record of the site and conditions was created during the visit. The location of the development footprint was visually assessed and considered likely to include extant soil profiles that have the potential to include Aboriginal objects.

9 Research Questions

Research questions that may be applied to the study area and the development footprint include:

- Do the results of the archaeological investigations align with the predictive model?
- If the results do not align with the predictive model, how can this difference inform us about the how people used the landscape and resources in this part of the Cumberland Plain?
- Do the characteristics of lithic artefacts align with those of the broader Cumberland Plain, and studies carried out in the surrounding area?
- Is there potential to date materials associated with the cultural deposit that can provide a time context for the site?

- Can the spatial distribution of artefacts provide additional information about the use of the study area?
- How can the site contribute to our cultural understanding of the place?

10 Archaeological Investigation Methodology

The Aboriginal cultural heritage assessment of the study area will be undertaken in accordance with the Code of Practice for the Investigation of Aboriginal Objects in New South Wales (Code of Practice; DECCW 2010b). The site survey/inspection will follow the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in New South Wales (OEH 2011).

10.1 Analysis and discussion

There is also an area in the middle of the school lot where remnant forest vegetation remains and during the site inspection carried out for the Due Diligence Assessment it was considered that these trees are likely to be growing on the original surface and soil profile. A 1950s image of the study area shows that the site had been partially cleared and that there was light vegetation present on the eastern and northeastern sections of the property including where the present remnant vegetation is growing. The trees in the 1950s image may be the result of regrowth following earlier clearing, or they may be the result of thinning of the vegetation having been carried out in the area. The Geotechnical Report by Douglas Partners revision 0 dated 17 September 2020 shows that where bore samples have been taken (refer to Figure 17) there is significant disturbance within the development footprint which is likely to have resulted from the installation of the temporary school buildings, and from the civil works associated with the stream channel modifications.

Between the sample points of the Geotechnical investigations and the remnant vegetation (see Figure 20) there is likely to be a transition from the original soil profiles to the modified surface and disturbed soil profiles. It is uncertain where this transition from the natural to disturbed soils occurs. Due to the need to maintain use of the demountable buildings for as long as possible leading up to the construction of new permanent teaching spaces, and due to the geotechnical investigations revealing that disturbed soils exist in the centre of the development footprint and demountable location, a series of test pits have been located along the west and northwest side of the demountable buildings (see Figure 21). This area is likely to be disturbed during construction activity and sampling this area will provide an understanding of the distribution of Aboriginal objects across the development footprint in any surviving natural soils. It also avoids test pit sampling of areas that are not going to be disturbed by the construction activity.

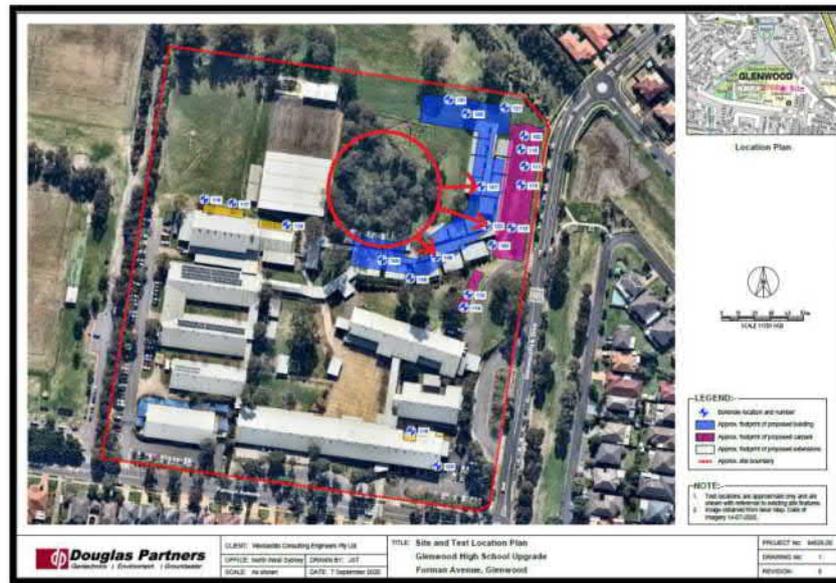


Figure 20: Red circled area showing the location of remnant vegetation and original surface profile relative to the bore hole locations where results indicate the presence of fill down to clay and a disturbed context. Map source SINSW (Douglas Partners 2020).

10.2 Test Excavation Program

The proposed works are considered likely to have the potential to harm Aboriginal objects. A test excavation program has been designed that samples the ground along the west and northwest side of the demountable buildings to determine the presence of Aboriginal objects and the need for an Aboriginal Heritage Impact Permit (AHIP).

The test pit program will be undertaken in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (2010). The proposed methodology is to undertake a series of test pit excavations at the study area that sample the landscape features that are present. Test pits have been located to sample the development footprint adjacent to the demountable buildings where the geotechnical investigations have not been undertaken. They have also been positioned to avoid unnecessary impacts to areas outside of the impacts of construction activity associated with the development. Figure 21 shows the location of the test pits.

Test pits will be completed as 50cm x 50cm squares and will be spaced at 10 metres. Excavated material will be wet sieved through a 5mm mesh. Test excavations will be carried out in accordance with requirement 16a of the Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW.



Figure 21: Test Pit Locations

10.3 Timing

The test excavation program is scheduled to be undertaken in February 2021 following the review period of the methodology (this document). The test excavations are expected to be completed within 1 day. This will be followed by an analysis of the results and the completion of the technical report. It is anticipated that the final technical report and ACHAR will be provided to all stakeholders for review during March 2021. If there is a requirement for the preparation of an Aboriginal Heritage Impact Permit it is also anticipated that this will be prepared and submitted during March 2021.

10.4 Project Management

The test excavation program will be carried out under the supervision of Tocomwall Senior Archaeologists William Moon and Danielle Mitchell.

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12 AHIMS Searches

NSW Office of Environment & Heritage		AHIMS Web Services (AWS)		Extensive search - Site list report		Your Ref/DPO Number : Glenwood		Client Service ID : 525918		
SiteID	SiteName	Datum	Zone	Eastings	Northings	Contact	Site Status	Site Address	Site Types	Reports
45-5-2027	PK2101 near Parklea	GD84	56	308780	6267440	Open site	Partially Destroyed	Archeol.	Open Camp Site	3748
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2017	Belvie 1 (Bella Vista)	AGD	56	310840	6263800	Open site	Valid	Archeol.	Open Camp Site	4113, 90740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2018	Belvie 2 (Bella Vista)	AGD	56	310480	6264920	Open site	Valid	Archeol.	Open Camp Site	4113, 90740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2019	Belvie 1 (Bella Vista)	AGD	56	310120	6264640	Open site	Valid	Archeol.	Open Camp Site	4113, 90740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2020	Belvie 1 (Bella Vista)	AGD	56	310100	6264700	Open site	Valid	Archeol.	Open Camp Site	4113
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2712	PAD-05-19	AGD	56	308210	6263700	Open site	Valid	Archeol.	Open Camp Site	98740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2713	PAD-05-18	AGD	56	308800	6264370	Open site	Valid	Archeol.	Open Camp Site	98740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2774	Rush Vets 3	AGD	56	309940	6263820	Open site	Valid	Archeol.	Open Camp Site	98740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2652	PAD05	AGD	56	310140	6267430	Open site	Valid	Potential Archeological Deposit (PAD) - Archeol.	Open Camp Site	1314, 90853, 103279
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2874	RS/SP22 (Sussex FARM)	AGD	56	308720	6267340	Open site	Valid	Potential Archeological Deposit (PAD) - Archeol.	Open Camp Site	2003, 2013, 3636, 3638
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2876	Glen 1 duplicate of 45-5-2887	AGD	56	308727	6265320	Open site	Valid	Archeol.	Open Camp Site	1733, 2286
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2877	Glen 2 duplicate of 45-5-2887	AGD	56	308727	6265320	Open site	Valid	Archeol.	Open Camp Site	1735
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2887	Glen 2 duplicate of 2876	AGD	56	308727	6265320	Open site	Valid	Archeol.	Open Camp Site	1740, 98740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2889	Glen 2 duplicate of 45-5-2877	AGD	56	308727	6265320	Open site	Valid	Archeol.	Open Camp Site	98740
Contact		Recorders		Notes		Site Status		Site Address		Reports
45-5-2890	RS/SP21	AGD	56	307500	6267220	Open site	Valid	Archeol.	Open Camp Site	1787
Contact		Recorders		Notes		Site Status		Site Address		Reports

Report generated by AHIMS Web Service on 04/09/2020 for William Moon for the following area of Datum: GDA, Zone: 56, Eastings: 308670 - 310870, Northings: 6263620 - 6267620 with a Buffer of 50 meters. Additional Info: Due Diligence Assessment and ACMA. Number of Aboriginal sites and Aboriginal objects found is 0.

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

Your Ref/PO Number: 629502
Client Service ID: 525918

SiteID	SiteName	Division	Zone	Easting	Northing	Contact	Site Status	Site Features	Site Types	Reports
45-5-0288	BVFF3	GDA	56	319240	6244894	Open site	Valid	Artifact - 1		
Contact:	Shirley	Recorders:	Ms Fiona Leake							
45-5-1289	BVFF1	GDA	56	319424	6269796	Open site	Valid	Artifact - 2		
Contact:	Naomi	Recorders:	Ms Fiona Leake							
45-5-3290	BVFD1	GDA	56	319313	6264839	Open site	Valid	Artifact - 2		
Contact:	Naomi	Recorders:	Ms Fiona Leake							
45-5-3291	BVFP4	GDA	56	319293	6264623	Open site	Valid	Artifact - 1		
Contact:	Naomi	Recorders:	Ms Fiona Leake							
45-5-1304	BV51	GDA	56	309362	6264624	Open site	Disrupted	Artifact - 13		101179
Contact:	T Arnold	Recorders:	Dr McDonald Cultural Heritage Management and OML, Katherine Highgate Council							
45-5-3954	Fairway Drive (F)	GDA	56	310883	6266090	Open site	Valid	Artifact - 1		
Contact:		Recorders:	Mary Dallas Consulting Archaeologists (MDCA), Ms Paul Smith							3400
45-5-0952	Arnold Avenue (F)	GDA	56	309112	6267379	Open site	Valid	Artifact - 1		
Contact:		Recorders:	Mary Dallas Consulting Archaeologists (MDCA), Ms Paul Smith							3481, 4982
45-5-2270	NS1013	AGD	56	307138	6267968	Open site	Valid	Artifact -		Open Camp Site 97608
Contact:		Recorders:	Helen Brayshaw							1651
45-5-0489	Bella Vista 3	AGD	56	319208	6264688	Open site	Valid	Artifact -		Open Camp Site 98798
Contact:		Recorders:	Helen Brayshaw, Ms Lala Highland							
45-5-2489	Bella Vista 3	AGD	56	319208	6264268	Open site	Valid	Artifact -		Open Camp Site 98790
Contact:		Recorders:	Helen Brayshaw, Ms Lala Highland							
45-5-2410	Bella Vista 4	AGD	56	319228	6264968	Open site	Valid	Artifact -		Isolated Flat 98140
Contact:		Recorders:	Helen Brayshaw, Ms Lala Highland							
45-5-2274	PK/CD Reserve 8E	AGD	56	307468	6264730	Open site	Valid	Artifact -		Open Camp Site 2544
Contact:		Recorders:	Helen Brayshaw							395, 681, 828
45-5-0973	Powers Look 4 PL 4	AGD	56	309818	6264488	Open site	Valid	Artifact -		Open Camp Site 98149
Contact:		Recorders:	Denise Byrne/Tony Winchell							546
45-5-0981	OBER (F)	AGD	56	308968	6264768	Open site	Valid	Artifact -		Open Camp Site 102579
Contact:		Recorders:	Ms Tracy Curkull							884
45-5-0989	OBER (F)	AGD	56	308988	6264568	Open site	Disrupted	Artifact -		Open Camp Site 102179
Contact:		Recorders:	Ms Tracy Curkull							
45-5-0910	PK/CD 1 Reserve 8E	AGD	56	308238	6267208	Open site	Valid	Artifact -		Open Camp Site 2495, 98281
Contact:		Recorders:	Duncan Jo McDonald							589, 644
45-5-0911	PK/CD 2 Reserve 8E	AGD	56	307888	6269908	Open site	Valid	Artifact -		Open Camp Site 2495, 9726, 268, 281
Contact:		Recorders:	Duncan Jo McDonald							199

Report generated by AHIMS Web Service on 04/08/2020 for William Mason for the following area at Detour: GDA, Zone: 56, Easting: 319470 - 319478, Northing: 6263628 - 6267628 with a Buffer of 50 meters. Additional Data: User Diligence Assessment and ACDA. Number of Abandoned sites and Abandoned objects based to 80.
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Office of Environment & Heritage

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

Your Ref/PO Number : Gmex002
Client Service ID : 525918

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-5-0492	Belia Vista 1	AGD	56	310630	6284790	Open site	Destroyed	Artefact --	Open Camp Site	945,1018,2495, 98140
45-5-0803	Burns Road Compound PAD	AGD	56	309175	6286819	Open site	Valid	Potential Archaeological Deposit (PAD) --	Permits 433	500278
45-5-0804	Burns Road North SP1	AGD	56	308744	6287443	Open site	Valid	Artefact --	Permits 2341,2319	
45-5-0916	PC/CD 8 House HSE	AGD	56	308280	6286370	Open site	Valid	Artefact --	Open Camp Site	2499,2474,987 40
45-5-3518	Aravia 01	GDA	56	304061	6265442	Open site	Valid	Artefact --	Permits 399,605	101070
45-5-3519	Aravia PAD 01	GDA	56	307032	6265476	Open site	Valid	Artefact --	Permits 399,605	101070
45-5-3703	Kings Langley 1	GDA	56	309060	6263990	Open site	Valid	Artefact --	Permits	
45-5-3704	Kings Langley 2	GDA	56	309060	6263960	Open site	Valid	Artefact --	Permits	
45-5-3706	Kings Langley 4	GDA	56	309050	6264000	Open site	Valid	Artefact --	Permits	
45-5-3707	Kings Langley 5	GDA	56	309150	6263600	Open site	Valid	Artefact --	Permits	
45-5-4261	NWSL PAD 9 - Duplicate of 45-5-4844	GDA	56	308717	6267001	Open site	Destroyed	Potential Archaeological Deposit (PAD) - L, Artefact --	Permits	
45-5-4262	NWSL PAD7 - Potential Duplicate of 45-5-4844	GDA	56	308704	6266739	Open site	Partially Destroyed	Potential Archaeological Deposit (PAD) - L, Artefact --	Permits	
45-5-4263	NWSL PAD9 - Duplicate of 45-5-4844	GDA	56	309246	6266360	Open site	Not a Site	Potential Archaeological Deposit (PAD) - L, Artefact --	Permits	

Report generated by AHIMS Web Service on 04/08/2020 for William Moore for the following area at Datum: GDA, Zone: 56, Eastings : 306070 - 310070, Northings : 6263620 - 6267420 with a Buffer of 50 metres. Additional Info : Due Diligence Assessment and ACMA Number of Aboriginal sites and Aboriginal objects found is 0.
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Office of Environment & Heritage

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

Your Ref/PO Number : Gmex002
Client Service ID : 525918

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-5-0912	PC/CD 3 House HSE	AGD	56	308220	6281530	Open site	Valid	Artefact --	Open Camp Site	2499,98740
45-5-0913	PC/CD 4 House HSE	AGD	56	308720	6283800	Open site	Valid	Artefact --	Open Camp Site	2499,2474,987 40
45-5-0914	PC/CD 5 House HSE	AGD	56	308820	6280700	Open site	Valid	Artefact --	Open Camp Site	2499,2474,987 40
45-5-0919	PC/PC 6 House HSE	AGD	56	307200	6267000	Open site	Valid	Artefact --	Open Camp Site	2499,605
45-5-0935	Power Line 1	AGD	56	309610	6284050	Open site	Valid	Artefact --	Open Camp Site	2499,605
45-5-0936	Power Line 2	AGD	56	309640	6283790	Open site	Valid	Artefact --	Open Camp Site	2499,605
45-5-0937	Power Line 3	AGD	56	309440	6283790	Open site	Valid	Artefact --	Open Camp Site	2499,605
45-5-0939	PC/PC 8 House HSE	AGD	56	307600	6280900	Open site	Valid	Artefact --	Open Camp Site	2499,605
45-5-0940	PC/CD 9 House HSE	AGD	56	308410	6286920	Open site	Valid	Artefact --	Open Camp Site	2499,605
45-5-1281	PC/PC 2 House HSE	AGD	56	308000	6285620	Open site	Valid	Artefact --	Open Camp Site	1567,98740
45-5-2282	PC/PC 3 House HSE	AGD	56	307350	6286800	Open site	Valid	Artefact --	Open Camp Site	1567,98740
45-5-2283	PC/PC 4 House HSE	AGD	56	307150	6286380	Open site	Valid	Artefact --	Open Camp Site	1567,98740
45-5-0962	OWR 7 House HSE	AGD	56	309550	6284950	Open site	Valid	Artefact --	Open Camp Site	98740
45-5-0963	OWR 8 House HSE	AGD	56	309700	6284510	Open site	Valid	Artefact --	Open Camp Site	98740
45-5-2365	KV/CD 1 and NWSL PAD 8	GDA	56	309036	6267293	Open site	Valid	Artefact -- Potential Archaeological Deposit (PAD) --	Open Camp Site	3034,98740
45-5-2366	KV/WW1 (Northwest Estate Valley)W4	AGD	56	310240	6282490	Open site	Valid	Artefact --	Open Camp Site	3034,413,987 40

Report generated by AHIMS Web Service on 04/08/2020 for William Moore for the following area at Datum: GDA, Zone: 56, Eastings : 306070 - 310070, Northings : 6263620 - 6267420 with a Buffer of 50 metres. Additional Info : Due Diligence Assessment and ACMA Number of Aboriginal sites and Aboriginal objects found is 0.
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SiteID	SiteName	Datum	Zone	Easting	Northing	Controll	Site Status	SiteFeatures	SiteTypes	Results
45-5-3846	MA3 (Government)	GDA	56	309513	6266971	Open site	Valid	Artifact - 3		103467,103527 6
Contact		Recorders Jn McDonald Cultural Heritage Management see GML Results								
45-5-3847	MA3 (Government)	GDA	56	309419	6266968	Open site	Valid	Artifact - 4		103467,103527 6
Contact		Recorders Jn McDonald Cultural Heritage Management see GML Results								
45-5-4838	14 Knowledge Lane 1 and NWGL PAD 8	GDA	56	309409	6266937	Open site	Destroyed	Artifact - Potential Archaeological Deposit (PAD) -		
Contact		Recorders Kallaroo Nightingale Consulting Pty Ltd, Kallaroo Nightingale Consulting Pty Ltd, See Results								
45-5-4839	NWGL PAD 4 - Potential Duplicate of 45-5-4264	GDA	56	309316	6266921	Open site	Destroyed	Potential Archaeological Deposit (PAD) -		
Contact		Recorders Kallaroo Nightingale Consulting Pty Ltd, Mrs. Kristin Taylor Results								
45-5-4841	NWGL PAD 7 - Potential duplicate of 45-5-4263	GDA	56	309307	6266750	Open site	Partially Destroyed	Potential Archaeological Deposit (PAD) -		
Contact		Recorders Kallaroo Nightingale Consulting Pty Ltd, Mrs. Kristin Taylor Results								
45-5-4843	NWGL PAD 5 - Duplicate of 45-5-4263	GDA	56	309246	6266300	Open site	Not a site	Potential Archaeological Deposit (PAD) -		
Contact		Recorders Kallaroo Nightingale Consulting Pty Ltd, Kallaroo Nightingale Consulting Pty Ltd, See Results								
45-5-4846	NWGL PAD 6 - Duplicate of 45-5-4261	GDA	56	308117	6267463	Open site	Destroyed	Potential Archaeological Deposit (PAD) -		
Contact		Recorders Kallaroo Nightingale Consulting Pty Ltd, Mrs. Kristin Taylor Results								
45-5-4903	Fairway Drive APT 2	GDA	56	310608	6266495	Open site	Valid	Artifact		4159
Contact		Recorders Kallaroo Nightingale Consulting Pty Ltd, Mrs. Kristin Taylor Results								
45-5-4904	Fairway Drive APT 1	GDA	56	310605	6266418	Open site	Valid	Artifact - 1		4159
Contact		Recorders Kallaroo Nightingale Consulting Pty Ltd, Mrs. Kristin Taylor Results								
45-5-4775	31-33 Fairway Drive Kallaroo	GDA	56	310655	6265998	Open site	Valid	Artifact - 13		
Contact		Recorders Mr. Dominic Steida Results								

Report generated by AHIMS Web Service on 06/08/2020 for William Moon for the following area at Datum: GDA, Zone : 56, Eastings : 306870 - 310870, Northings : 6263628 - 6267628 with a Buffer of 50 meters. Additional Info : Due Diligence Assessment and ACHA. Number of Aboriginal sites and Aboriginal objects found is 86.
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SiteID	SiteName	Datum	Zone	Easting	Northing	Controll	Site Status	SiteFeatures	SiteTypes	Results
45-5-4264	NWGL PAD 4 - Potential Duplicate of 45-5-4019	GDA	56	309344	6266488	Open site	Destroyed	Potential Archaeological Deposit (PAD) - 1 Artifact -		
Contact		Recorders GML Heritage Pty Ltd + Contact: Barry Hill, Kallaroo Nightingale Consulting Pty Ltd Results								
45-5-4195	Corner of Taggart Way and Balaclava Road	GDA	56	309223	6266491	Open site	Destroyed	Artifact - 3		
Contact		Recorders GML Heritage Pty Ltd + Contact: Barry Hill, Kallaroo Nightingale Consulting Pty Ltd Results								
45-5-2443	Dubin 4	AGD	56	318500	6264960	Open site	Valid	Artifact - 1	Open Camp Site	4103,98740
Contact		Recorders Michael Dunlop Results								
45-5-3081	OWB 8	AGD	56	309739	6264499	Open site	Valid	Artifact - 1		972
Contact		Recorders Helen Bourchier Results								
45-5-3136	WS-00-1	GDA	56	309190	6264483	Open site	Destroyed	Artifact - 1		102579
Contact		Recorders Mrs. Robynne Mills, Kallaroo Nightingale Consulting Pty Ltd, Kallaroo Nightingale Co. Results								
41-5-0018	PK/PO6	GDA	56	307413	6267000	Open site	Valid	Artifact - 13		
Contact		Recorders Gavin Martin, Sydney Water Parramatta, Mr. Neville Baker Results								
45-5-3192	PL-00-1	AGD	56	309040	6263940	Open site	Valid	Artifact - 3		
Contact		Recorders Mrs. Robynne Mills Results								
45-5-3193	ML-00-1	AGD	56	309139	6264000	Open site	Valid	Artifact - 8		
Contact		Recorders Mrs. Robynne Mills Results								
45-5-3194	ML-00-1	AGD	56	309018	6264448	Open site	Valid	Artifact - 4		
Contact		Recorders Mrs. Robynne Mills Results								
45-5-3195	ML-00-3	AGD	56	309460	6264320	Open site	Valid	Artifact - 3		
Contact		Recorders Mrs. Robynne Mills Results								
45-5-3196	PL-00-2	AGD	56	309230	6264090	Open site	Valid	Artifact - 8		
Contact		Recorders Mrs. Robynne Mills Results								
45-5-3199	Archie- PAD- 01	AGD	56	307831	6265478	Open site	Valid	Potential Archaeological Deposit (PAD) -		99914
Contact		Recorders Heritage Associates Results								
45-5-3200	Archie- 01	AGD	56	306981	6264424	Open site	Valid	Artifact -		99914
Contact		Recorders Heritage Associates Results								
45-5-3844	MA3 (Government)	GDA	56	309409	6267054	Open site	Valid	Artifact - 3		103467,103527 6
Contact		Recorders Jn McDonald Cultural Heritage Management see GML Results								
45-5-3845	MA3 (Government)	GDA	56	309459	6266965	Open site	Valid	Artifact - 1		103467,103527 6

Report generated by AHIMS Web Service on 06/08/2020 for William Moon for the following area at Datum: GDA, Zone : 56, Eastings : 306870 - 310870, Northings : 6263628 - 6267628 with a Buffer of 50 meters. Additional Info : Due Diligence Assessment and ACHA. Number of Aboriginal sites and Aboriginal objects found is 86.
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From: philip khan <philipkhan.acn@live.com.au>
Sent: Thursday, 4 February 2021 10:19 AM
To: Danielle Mitchell
Subject: RE: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information and methodology

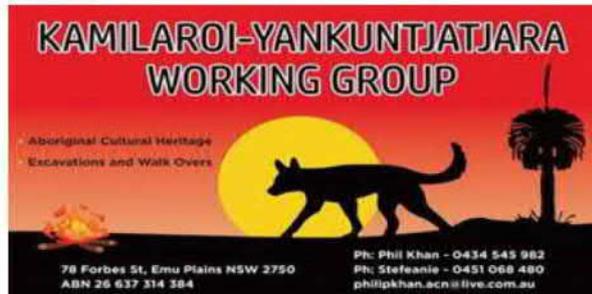
Categories: Methodology response

Dear Danielle,

Thank you for your Methodology for Glenwood High School, we agree to your methodology and look forward to working along side you on this project.

Warm regards

Kadibulla



From: Arika Jalomaki <yulayculturalservices@gmail.com>
Sent: Friday, 26 February 2021 10:36 AM
To: Danielle Mitchell
Subject: Re: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood – Project Information and methodology

Categories: Methodology response

Dear Danielle,

On behalf of Yulay cultural service's I have reviewed and agree with the methodology for this project.

Kind regards,
Arika Jalomaki
Manager

DARUG CUSTODIAN 
ABORIGINAL CORPORATION

DARUG CUSTODIAN
ABORIGINAL
CORPORATION

PO BOX 81 WINDSOR 2756
PHONE: 0245775181 FAX: 0245775098
MOBILE: 0415770163 Leanne Watson
0414962766 Justine Coplin
EMAIL: mulgokiwi@bigpond.com / justinecoplin@optusnet.com.au

Attention: Tocomwall

Date:140220

Subject: Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood

Dear Dani

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 Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood

We support the recommendations set out in this report.

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

Regards

Justine Coplin



Correspondence for Updated Test Pit Layout

Glenwood High School, Lot 5227 on DP868693, Forman Ave, Glenwood - Update to methodology

From: Will Moon
To: Denise Mitchell
Sent: Monday, 15 February 2021 9:51 AM
Subject: Notification of changes to the Glenwood test excavation configuration_RAP.pdf

Dear Knowledge holder

Please find attached letter of notification for changes to the test pit configuration planned as part of the Aboriginal Cultural Heritage Assessment being undertaken for the proposed development at Glenwood High School.

Regards

Will Moon
Archaeologist
Tocomwall Pty Ltd
m: 043999230
e: william@tocomwall.com.au
www.tocomwall.com.au

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FW: Notification of intended test excavation at Glenwood High School 20th Feb - Update

From: Will Moon
Sent: Monday, 15 February 2021 2:19 PM
To: heritagewallbox@environment.nsw.gov.au
Subject: RE: Notification of intended test excavation at Glenwood High School 20th Feb - Update

To whom it may concern

Please find attached letter of notification for the updated test excavation pit configuration planned to be undertaken at Glenwood High School on the 20th of February 2021.

Regards

Will Moon
Archaeologist
Tocomwall Pty Ltd
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From: Will Moon
Sent: Tuesday, 2 February 2021 2:50 PM
To: heritagewallbox@environment.nsw.gov.au
Subject: Notification of intended test excavation at Glenwood High School



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February 15, 2021

Heritage NSW
Aboriginal Cultural Heritage Regulation
Locked bag 5020
Parramatta NSW 2124

To whom it may concern,

RE: Glenwood High School Aboriginal Cultural Heritage Assessment – Test excavation program update

Tocomwall Pty Ltd recently sent a methodology on the 13th of January for undertaking the archaeological assessment for the proposed development at Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. A test excavation plan was also provided within the methodology. This letter is to provide further notification that, as a result on recent information obtained relative to the study area, the test pit configuration has been changed. Information showing the location of below ground services has identified a sewer pipe is installed in an area previously targeted for test excavation. As this area is now considered disturbed four test pits are no longer to be undertaken in this area. Further test pits have been added further north in locations where it is considered that there is potential for surviving soils profiles, taking into consideration the results of geotechnical investigations. Refer to Figure 1 and Figure 2.



Figure 1: Original test pit arrangement (yellow squares) showing the sewer pipe location (broken line).



Figure 2: Updated test pit arrangement taking into consideration the development footprint, and areas known to have disturbed soils.

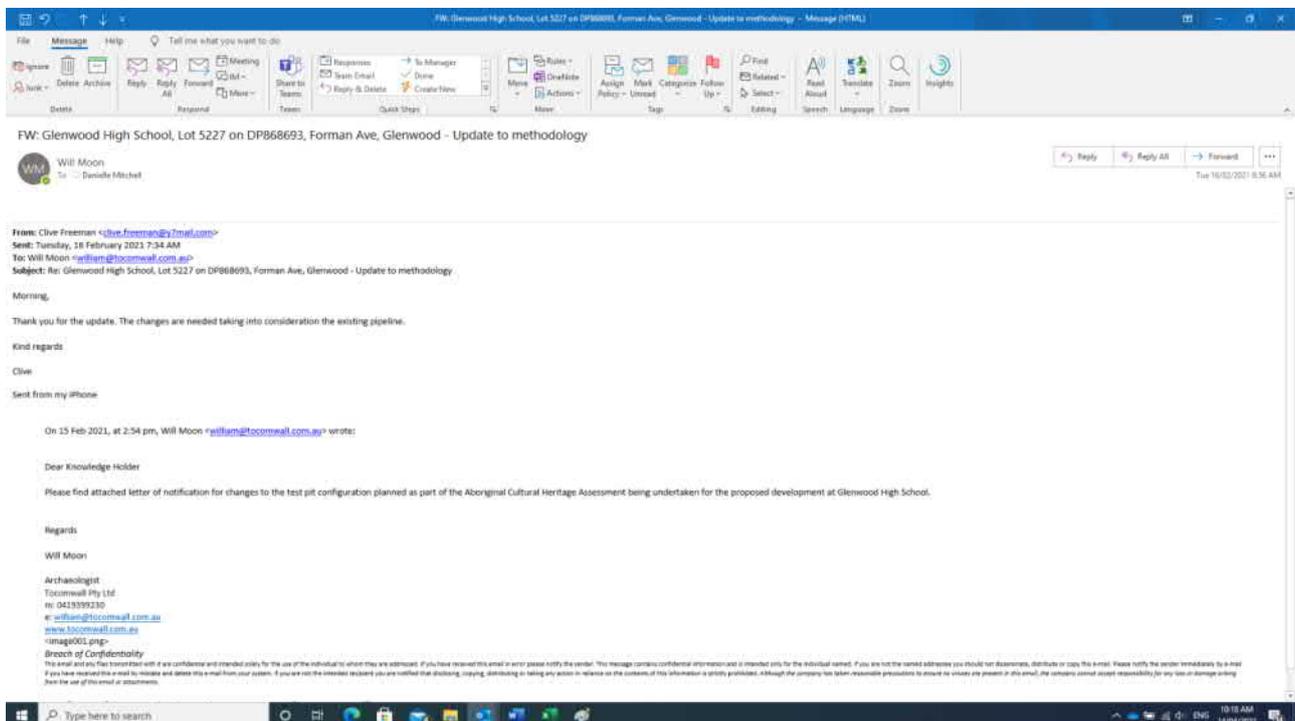
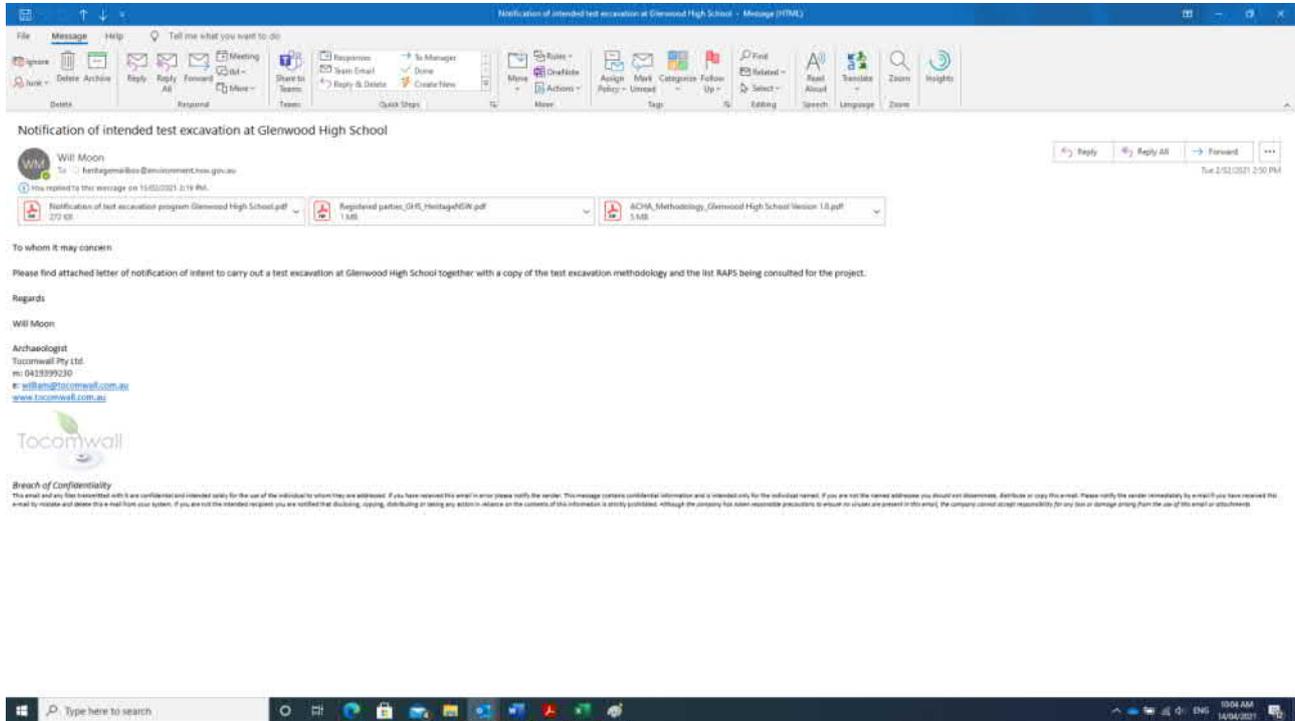
The test pit layout should be read in conjunction with the details included in the methodology that has already been provided on the 13th of January 2021.

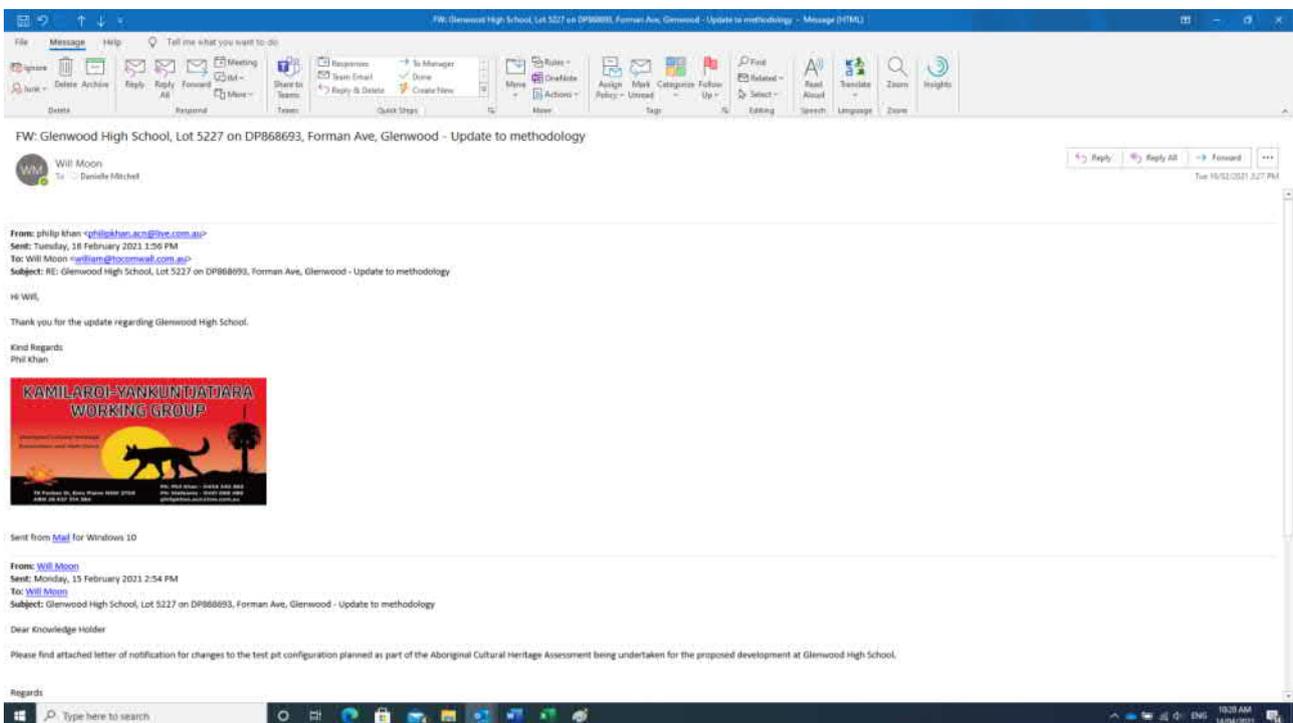
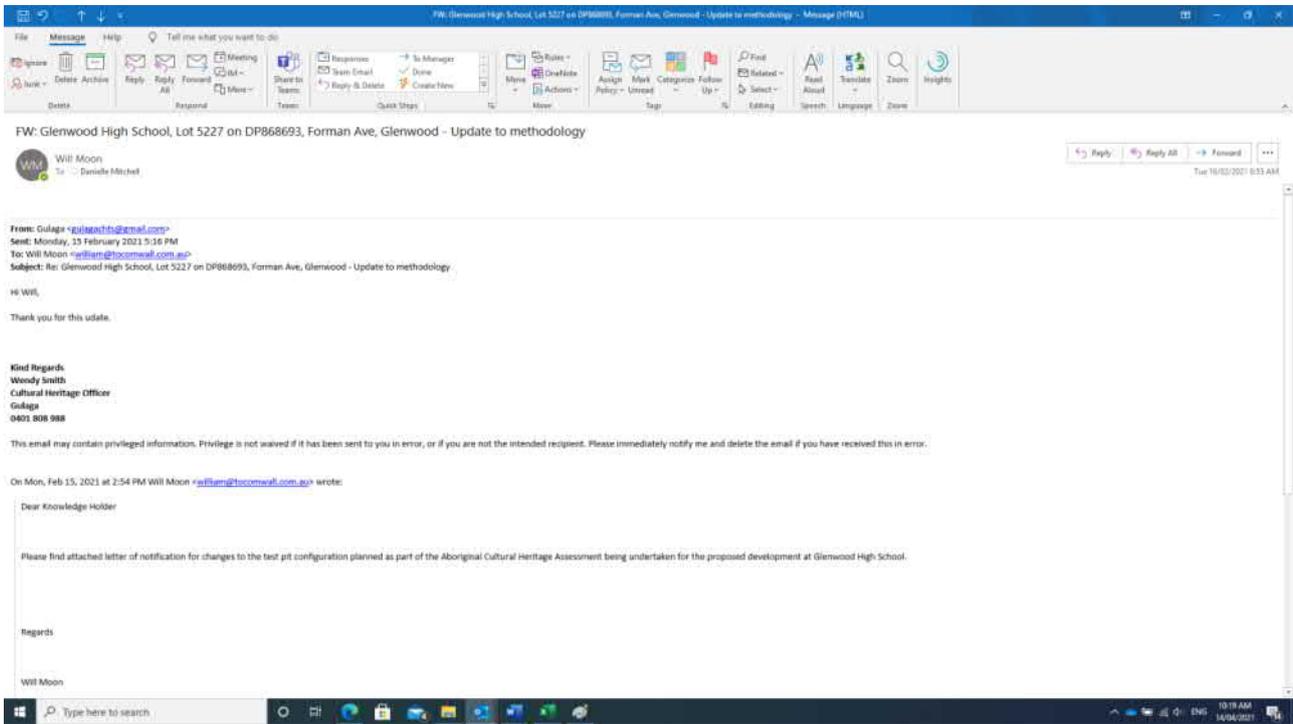
Yours sincerely,



William Moon
Archaeologist
0419 399 230

RAP Responses to Updated Test Pit Layout





25 Appendix 5 – Draft Aboriginal cultural heritage assessment

THIS REPORT

FW: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood – Draft AHCAR

 Will Moon
To: philpkhan.acn@live.com.au
Cc: Scott Franks

Reply Reply All Forward

Mon 31/05/2021 4:04 PM

From: Danielle Mitchell <danielle.mitchell@pullyapanj.com.au>
Sent: Tuesday, 11 May 2021 10:39 AM
To: Will Moon <william@tocomwall.com.au>
Subject: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Draft AHCAR

Dear knowledge holder,

Please find the draft ACHAR at the link below.

[Glenwood High School ACHAR Draft v1.1.pdf](#)

Kind regards

Dani Mitchell

Dani Mitchell | Senior Archaeologist
M +61 466 676 510
E Daniebe.mitchell@pullyapanj.com.au

From: philip khan <philpkhan.acn@live.com.au>
Sent: Wednesday, May 19, 2021 08:04
To: Danielle Mitchell
Subject: Re: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Draft AHCAR

Dear Danielle,

Thank you for your ACHAR for Glenwood High School. The sight has signifgant to Aboriginal people as there are water ways in close proximity to the study area. This suggests that Aboriginal people would camp, hunt, gather resources for everyday living. There is also room for burials to be found across the land and to us Aboriginal people burials are highly significant to our people. is there room for monitoring of any works on the site? As it is a school will the proponen be doing any Aboriginal interpretation within the development and or design within the structure. We agree to your recommendations and support your report, we also look forward to further consultation about the proposed project.

Kind Regards

Kadibulla Khan



FW: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Draft AHCAR



Will Moon
To: philipkhan.acn@five.com.au
Cc: Scott Franks

Reply Reply All Forward

Mon 31/05/2021 4:04 PM

Dear Kadibulla

Thanks for your response to the draft ACHAR report. I will pass your question onto the client regarding Aboriginal interpretation within the design and development. In terms of a monitoring program we don't believe that there is a case that would justify this. The reason for this is that we completed a series of test excavation pits at the site that concluded that fill is present down to the clay layer (sterile layer). Additionally, outside of the area targeted for test excavation there has been a comprehensive series of geotechnical test bores that have determined the same level of disturbance across the remainder of the development footprint (e.g. fill and disturbance down to clay). There is no evidence of any surviving soils or sediments between the fill and clay boundary therefore there is no justification for the proposition of a monitoring program.

Regards

Will Moon

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Feedback from the Glenwood draft ACHA Report for comment



Will Moon
To: Kneft, Marcus
Cc: Mathew Wood; Katy Johnson; Scott Franks

Reply Reply All Forward

Mon 31/05/2021 4:10 PM

FW: Glenwood High School, Lot 5227 DP 868693, Forman Ave Glenwood - Draft AHCAR Outlook Item

Hi Marcus

Similar to the JPPS review, I have received some feedback from the draft ACHAR review by the registered Aboriginal stakeholders for the Glenwood High School Aboriginal Cultural Heritage Assessment. I am required to include this correspondence in the final report and also seek any further comment from the proponent (SI NSW) if they wish to provide any. Do you have any additional comments to add? If you want any clarification on the attached correspondence, please don't hesitate to call me. Thanks

Regards

Will Moon

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26 Appendix 6 – Archaeological report



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ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ARCHAEOLOGICAL REPORT

**Proposed Development at Glenwood High
School**

Company	School Infrastructure NSW
Contact	Deborah Green
Date	01/04/2021



Project Name	Aboriginal Cultural Heritage Assessment
Client Name	School Infrastructure NSW
Recipient	Deborah Green
Status	Final 1.0
Issue Date	01/04/2021
Prepared by	Will Moon
Approved by	Scott Franks



Executive Summary

The proponent, Schools Infrastructure NSW is preparing a SEARS application and an Environmental Impact Statement in order to progress a SSDA for the upgrade of the teaching accommodation and core facilities at Glenwood High School. Tocomwall Pty Ltd undertook a Due Diligence assessment at Glenwood High School in 2020 and made recommendations to undertake further investigations at the location to determine if Aboriginal objects are present at the site. Tocomwall has been requested to undertake further investigations and to prepare an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support the development application. This document describes the archaeological investigations undertaken for the ACHAR in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010 (DECCW). A test excavation program was undertaken to determine the presence or likely presence of Aboriginal objects within the development footprint. No Aboriginal objects were found during the test excavation.

Contents

Table of figures.....	5
1 Introduction	7
1.1 Background.....	7
1.2 Authorship and Acknowledgements.....	7
2 Statutory Heritage Contexts and Controls	7
2.1 National Parks and Wildlife Act 1974.....	7
2.2 Environmental Planning and Assessment Act 1979.....	8
2.3 Native Title Act 1993.....	8
2.4 Reporting Standards and Guidelines	8
2.5 The Blacktown Local Environment Plan 2015	9
3 Methodology.....	10
4 Description of the Study Area	14
4.1 Location and Proposed Development	14
4.2 Proposed works.....	15
5 The Environmental Context	18
5.1 The Environment of the study area within the Cumberland Plain.....	18
5.1.1 <i>Vegetation</i>	18
5.1.2 <i>Geology</i>	19
5.1.3 <i>Soil</i>	20
5.1.4 <i>Terrain</i>	21
6 The Archaeological Context	23
6.1 Previous Archaeological assessments.....	24
6.2 AHIMS Search	28
7 Historical Land Use	31
7.1 Site Disturbance.....	34
8 Predictive Model	36
8.1 Stream Order, Topography and Artefact Concentrations	36
8.2 Economic Zones.....	37
8.3 Scarred Trees.....	38
8.4 Rock Shelters	38
8.5 Grinding Grooves	38
8.6 Stone Raw Material Quarries and Source Locations	38
8.7 Ceremonial Grounds	38
8.8 Burial Sites.....	38
8.9 Predictive Model Summary.....	38
10 Archaeological Survey	39
10.1 Aim of the Site Survey and Inspection.....	40
10.2 Survey Strategy.....	40

11	Test Excavation	42
11.1	Sampling Strategy	42
11.2	Test Excavation Results	43
12	Analysis and Discussion	48
13	Scientific Values and Significance Assessment	49
14	Impact Assessment	49
15	Management and mitigation measures	49
16	Recommendations	49
17	References	51
18	AHIMS Searches	55

Table of figures

Figure 1: ACHA Methodology	13
Figure 2: Shows the study area, Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Source Bing Virtual Earth and Open Street Map Contributors.	14
Figure 3: Existing site layout for Glenwood High School. (Source SINSW/Pedavoli Architects 2020).	15
Figure 4: Plan showing the location of the proposed development in blue (Source SINSW/Pedavoli Architects 2020).	16
Figure 5: Proposed development option 2A (Source SINSW/Pedavoli Architects 2020).	16
Figure 6: Proposed development option 2B (Source SINSW/Pedavoli Architects 2020).	17
Figure 7: Proposed development option 2C (Source SINSW/Pedavoli Architects 2020).	17
Figure 8: Proposed development option 3 (Source SINSW/Pedavoli Architects 2020).	18
Figure 9: Geology Map for the Glenwood High School. Rwb represents shale, carbonaceous claystone, laminate, fine to medium grain lithic sandstone, rare coal and tuff (Clark and Jones 1991).	20
Figure 10: Soil landscape map showing the location of the Glenwood High School within the Blacktown Soils landscape (Bannerman and Hazelton 1990).	21
Figure 11: 3D view looking north across the study area showing flat to gently undulating terrain (Aerial image and LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.)	22
Figure 12: LiDAR derived image looking north-west. The modified channels from the original first order streams can be seen. LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.	22
Figure 13: Image showing the location of recorded Aboriginal sites from the AHIMS search using a 2km radius search area. Glenwood High School is shown at the centre of the image. Aerial image source Six Maps © Department Finance, Services and Innovation, NSW Government.	31
Figure 14: Early Parish map of Gidley showing the location of the Glenwood High School (Source NSW LRS HLRV Parish of Gidley).	33
Figure 15: 1955 Aerial Photo of the Glenwood High School site (Source: Spatial Services NSW Government).	34
Figure 16: Aerial Image from 1994 showing that civil works associated with the remodelling of the stream have intruded into the study area (Source: Spatial Services NSW).	35
Figure 17: Map of geotechnical bore hole locations (Source SINSW).	35
Figure 18: 1955 aerial image showing the location of streams relative to the study area (source: Spatial Services NSW).	36
Figure 19: Image showing first order streams to the northwest and northeast of the study area converging just to the north. Streams data accessed from Spatial Services NSW. Aerial image from SixMaps © Department Finance, Services and Innovation.	37



Figure 20: Survey coverage from Due Diligence Assessment.	42
Figure 21: Survey coverage for ACHA.....	42
Figure 22: Image showing the arrangement of test pits completed at Glenwood High School.	43

1 Introduction

1.1 Background

Glenwood High School is located at Foreman Avenue, Glenwood, NSW 2768. The Glenwood High School project includes the upgrade of the teaching accommodation and core facilities to increase the school capacity from 1,445 to 1,900 students and remove all (19) demountable TLS (Temporary Learning Spaces).

Tocomwall Pty Ltd have been engaged by Schools Infrastructure NSW (SINSW) to undertake an Aboriginal Cultural Heritage Assessment in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, 2010. Tocomwall undertook a Due Diligence Assessment at the site of the proposed development in October 2020 and concluded that Aboriginal objects may still be present at the site where there are intact soils present. This archaeological report has been prepared in accordance with the requirements of the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, 2010.

1.2 Authorship and Acknowledgements

This report has been prepared by Will Moon MA Archaeology and Heritage Management, GCPJM, Dip PJM, (12 years of experience working in the heritage industry, with 5 years of experience employed as an archaeologist. He has 17 years of experience in the recording of Aboriginal archaeological sites) with the assistance of Dani Mitchell, BSc, Grad Dip Archaeology and Heritage Management (16 years experience working as an archaeologist). Rodney Gunther (RAP), and Jedda Khan (RAP) participated in the archaeological survey of the study area, and Jamie Currell (RAP), Adam Gunther (RAP) and Scott Franks, Sam Franks, Danny Franks of Tocomwall participated in the test excavation.

2 Statutory Heritage Contexts and Controls

Two primary pieces of legislation provide automatic statutory protection for Aboriginal heritage and the requirements for its management in New South Wales.

These are:

- The *National Parks and Wildlife Act 1974* (NPW Act); and
- The *Environmental Planning and Assessment Act 1979*.

2.1 National Parks and Wildlife Act 1974

The primary legislation for the protection of Aboriginal culture and heritage in NSW is the *NPW Act*. One of the key objectives stated in the *NPW Act* is:

'..... the conservation of objects, places or features (including biological diversity) of cultural value within the landscape, including but not limited to: (i) places, objects and features of significance to Aboriginal people.... [s.2A (1) (6)].'

The NPW Act defines Aboriginal Heritage as comprising 'Aboriginal objects' and 'Aboriginal Places'. Aboriginal heritage is defined as:

- An object under the NPW Act is defined as *'any deposit, or object or material evidence relating to the Aboriginal habitation of the area'* (Section 5 of the NPW Act); and
- An Aboriginal Place is defined as *'a place that is or was of special significance with respect to Aboriginal culture'* (Section 84 of the NPW Act).

Part 6 of the NPW Act provides specific protection for Aboriginal objects and declared Aboriginal Places by establishing offences of harm. Harm is defined as *'..destroying, defacing or damaging an Aboriginal object or place, or moving an object from the land.'* There are fines associated with causing harm to an Aboriginal object. However, there are exemptions for causing harm, for example the preparation of an Aboriginal Heritage Impact Permit (AHIP).

The Department of Planning, Industry and Environment (DPIE) is the current government agency with responsibility for the protection and management of Aboriginal archaeological sites and cultural heritage values and the statutory administration of the NPW Act.

2.2 Environmental Planning and Assessment Act 1979

The *Environmental Planning and Assessment Act 1979* (EPA Act) establishes the statutory planning framework for environmental and land use planning in NSW through *State Environmental Planning Policies* (SEPPs), *Regional Environmental Plans* (REPs) and *Local Environmental Plans* (LEPs).

The EPA Act also establishes the framework for Aboriginal heritage values to be formally assessed in land use planning and development consent processes. The requirements for the project are defined in the Planning Secretary's Environmental Assessment requirements.

2.3 Native Title Act 1993

The Native Title Act 1993 provides the legal framework to recognition and protection of native title. It includes the recognition of the traditional rights and interests to land and waters of Aboriginal and Torres Strait Islander people. Under the Native Title Act, native title claimants can make an application to the Federal Court to have their native title recognised by Australian law.

As part of the consultation process for the project it was confirmed that there are no registered native title claimants for the study area.

2.4 Reporting Standards and Guidelines

This report has been prepared in accordance with the following heritage recording, assessment and reporting guidelines and standards that are endorsed by the OEH:

- Australia ICOMOS. 2013. The Burra Charter. The Australia ICOMOS Charter for Places of Cultural Significance. Australia ICOMOS Inc.¹
- NSW Department of Environment, Climate Change & Water. (DECCW) 2010a. Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales. DECCW. Sydney.
- NSW Department of Environment, Climate Change & Water. (DECCW) 2010b (September). Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales. DECCW. Sydney.

2.5 The Blacktown Local Environment Plan 2015

Under Section 5.10 (2) of The Blacktown Local Environment Plan 2015, the following requirements are listed as requiring consent prior to development:

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

¹ The Burra Charter establishes nationally accepted principles for the conservation of places of cultural significance.

(i) on which a heritage item is located or that is within a heritage conservation area,
or

(ii) on which an Aboriginal object is located or that is within an Aboriginal place of
heritage significance.

2.6 Objectives of the Aboriginal Heritage Assessment

The objectives of the Aboriginal Heritage assessment are to:

- Implement the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 with the objective of identifying and engaging Aboriginal knowledge holders for the study area.
- Review previous archaeological studies undertaken in the vicinity.
- Review the landscape context to help inform the predictive model.
- Summarise and discuss the local and regional character of Aboriginal land use and its material traces.
- Predict the nature and extent of archaeological evidence at the site.
- Undertake an archaeological survey and record the presence and extent of Aboriginal objects that are present in the study area.
- Involve the Aboriginal knowledge holders in the cultural heritage assessment process, including consultation to determine their opinions with respect to the project and its potential 'harm' to their cultural heritage and measures to protect their cultural heritage.
- Determine if there is a need to extend the investigation to undertake test excavations.
- Determine the nature and extent of the impacts of the proposed development upon the Aboriginal cultural heritage of the study area.
- Make recommendations for the protection of Aboriginal cultural heritage at the study area.

3 Methodology

The following defines the proposed methodology for the Aboriginal Cultural Heritage Assessment (ACHA). The ACHA will be carried out in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010, Aboriginal cultural heritage consultation requirements for proponents 2010, the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011 and Applying for an Aboriginal Heritage Impact Permit: Guide for applicants 2011. The methodology is depicted in Figure 1: ACHA Methodology. The Steps are described in more detail in Table 1.

Step	Method
------	--------

1: Initiate Consultation Process	The consultation process is initiated in accordance with Aboriginal cultural heritage consultation requirements for proponents 2010.
2: Review previous archaeological work	Review previous archaeological work in accordance with the requirements of Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010. The review of previous archaeological work is defined in section 6.1.
3: Review the landscape context	The review of the landscape context as defined in sections Error! Reference source not found. and complete in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
4: Discuss the local and regional character of Aboriginal land use and its material traces	The local and regional character of Aboriginal land use and its material traces is described in section 6. An Archaeological Report will also be prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
5: Predict the nature and distribution of evidence	A predictive model is described in Section Error! Reference source not found. and has been prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
6: Undertake an archaeological survey	An archaeological survey of the study area was undertaken in August 2020 in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010.
7: Decide if additional archaeological investigation is required?	The archaeological assessment and results will determine if it is appropriate to undertake further archaeological investigation at the study area.
8: Document findings and interpretation of results in an Archaeological Report	An archaeological report will be prepared in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales 2010. This report will be expanded upon following the outcomes of a test excavation program for the study area if this is a requirement.
9: Seek cultural information from Registered Aboriginal Parties	Information on the cultural information for the study area is sought during the methodology review and as per requirement 3 of the Aboriginal cultural heritage consultation requirements for proponents 2010. Information gathered includes places of social, spiritual and cultural value,

	<p>historic places with cultural significance, and potential places/areas of historic, social, spiritual and/or cultural significance. Information gathered will be used to further inform how the landscape was used, the social, cultural, aesthetic, historic and scientific values to enable an overall assessment of the significance of the study area and the associated values. Assessing values and significance will be undertaken as per section 2.4.2 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011.</p>
<p>10: Determine if there will be harm to cultural heritage</p>	<p>Harm, or potential harm will be assessed as per section 2.5 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011. Assessing measures to avoid harm will be considered in accordance with sections 2.6 and 2.7 from the same guide. Registered Aboriginal knowledge holders will be consulted during this process as per the Aboriginal cultural heritage consultation requirements for proponents 2010 to help determine management options and mitigation measures.</p>
<p>11: Complete ACHAR</p>	<p>An Aboriginal Cultural Heritage Assessment Report will be prepared in accordance with section 3 of the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW 2011.</p>
<p>12: SSD SEARS Review</p>	<p>The final ACHAR is included in the final SEARS documentation submitted for review as part of the SSD approval process.</p>

Table 1: ACHA Methodology

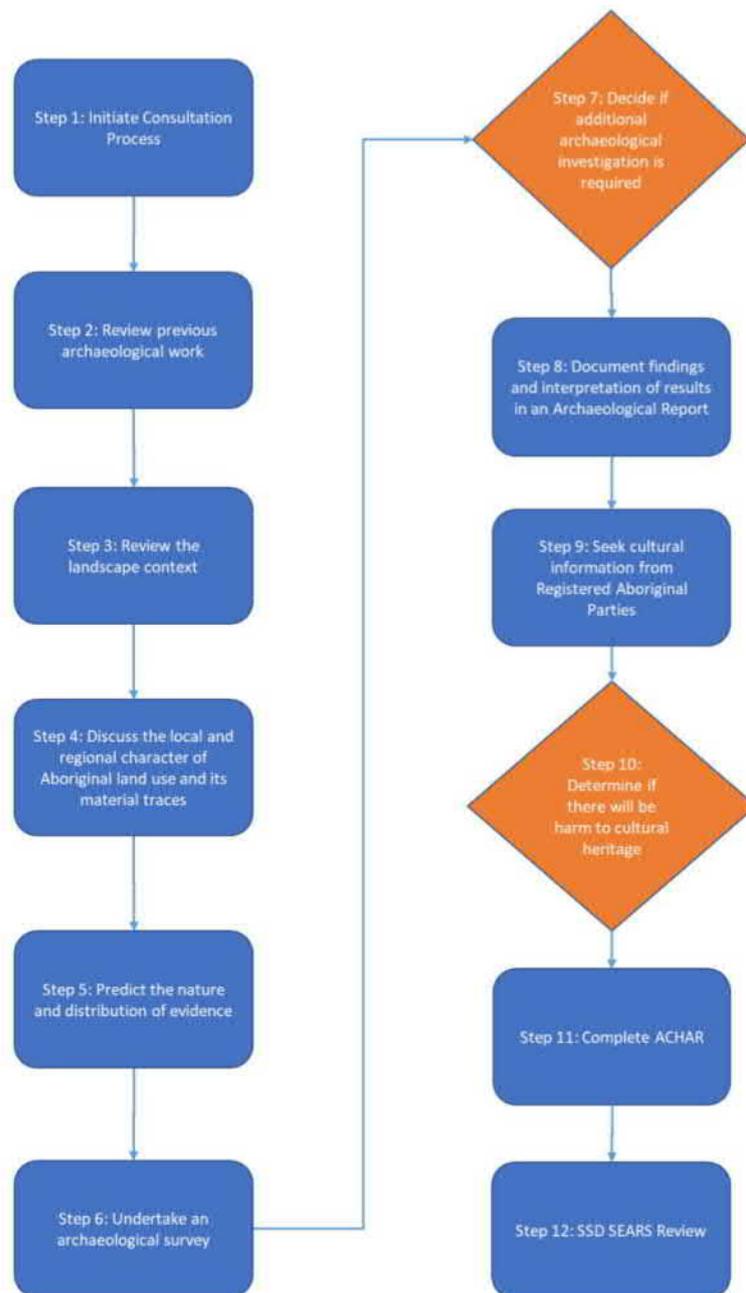


Figure 1: ACHA Methodology

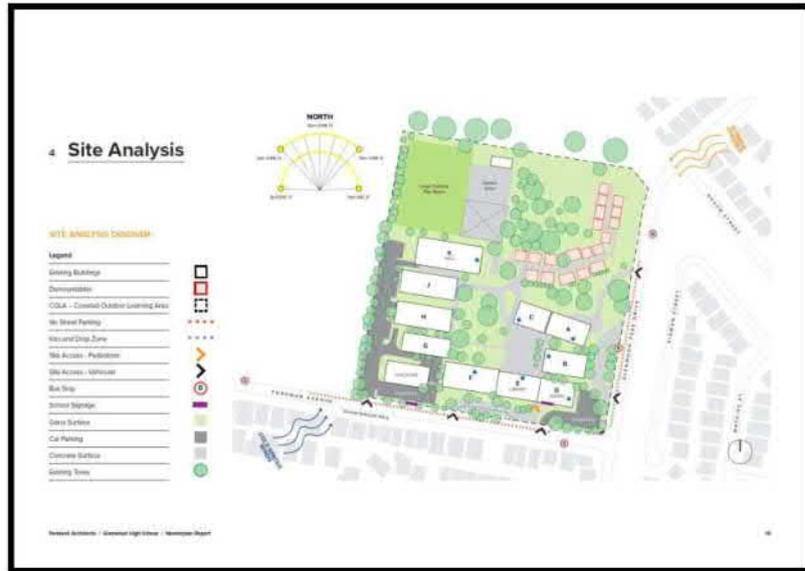
4 Description of the Study Area

4.1 Location and Proposed Development

The study area is at Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Figure 2 shows an aerial image of the school located in the suburb of Glenwood. Figure 3 shows the existing layout of the school. The proposed development includes the design options shown in Figure 5, Figure 6, Figure 7, and Figure 8.



Figure 2: Shows the study area, Glenwood High School, Foreman Avenue, Glenwood, NSW 2768. Source Bing Virtual Earth and Open Street Map Contributors.



4.2 Proposed works

SI NSW have requested Pedavoli Architects to prepare four options for the Glenwood High School to deliver an increase in student accommodation, remove demountable buildings and upgrade facilities to stream 9 and 12 for up to 1,900 students. Construction activity associated with the proposed options would have a significant impact upon the soils within the development footprint.

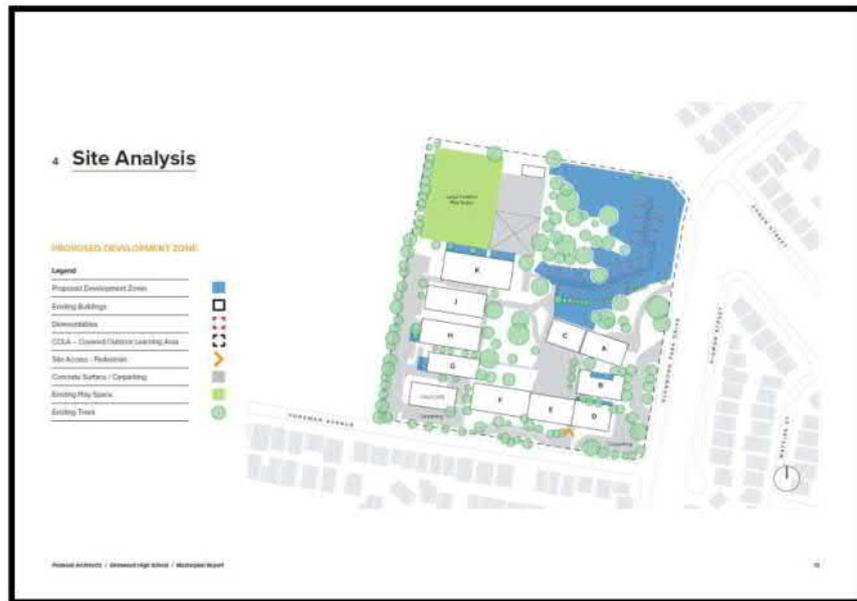


Figure 4: Plan showing the location of the proposed development in blue (Source SINSW/Pedavoli Architects 2020).

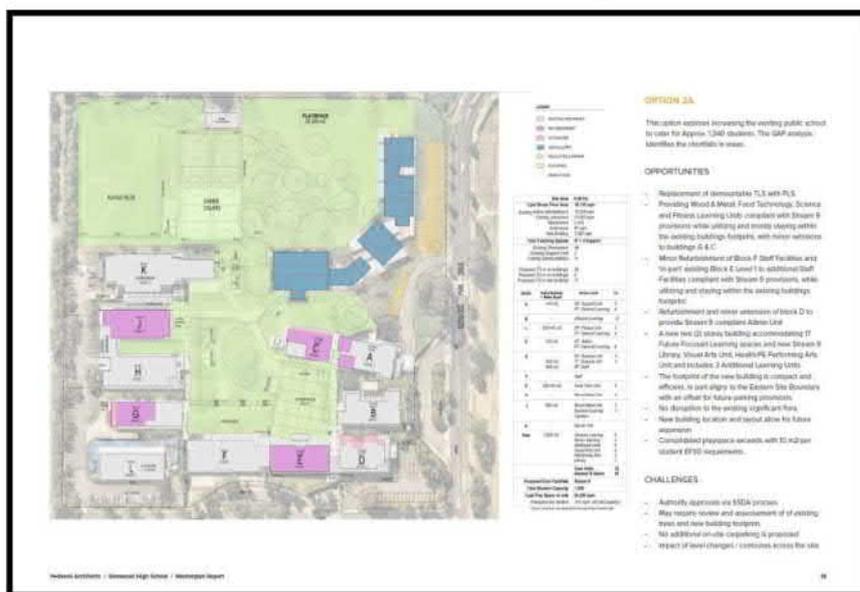


Figure 5: Proposed development option 2A (Source SINSW/Pedavoli Architects 2020).



Figure 6: Proposed development option 2B (Source SINSW/Pedavoli Architects 2020).

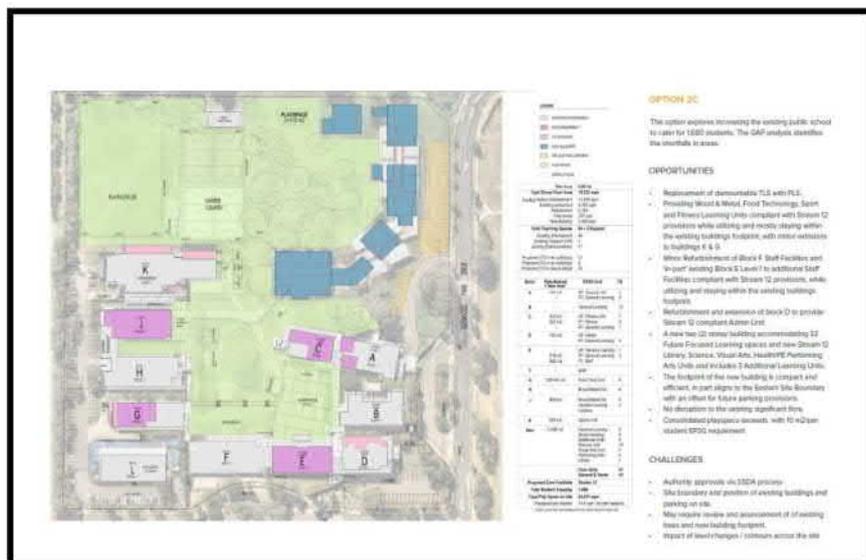


Figure 7: Proposed development option 2C (Source SINSW/Pedavoli Architects 2020).

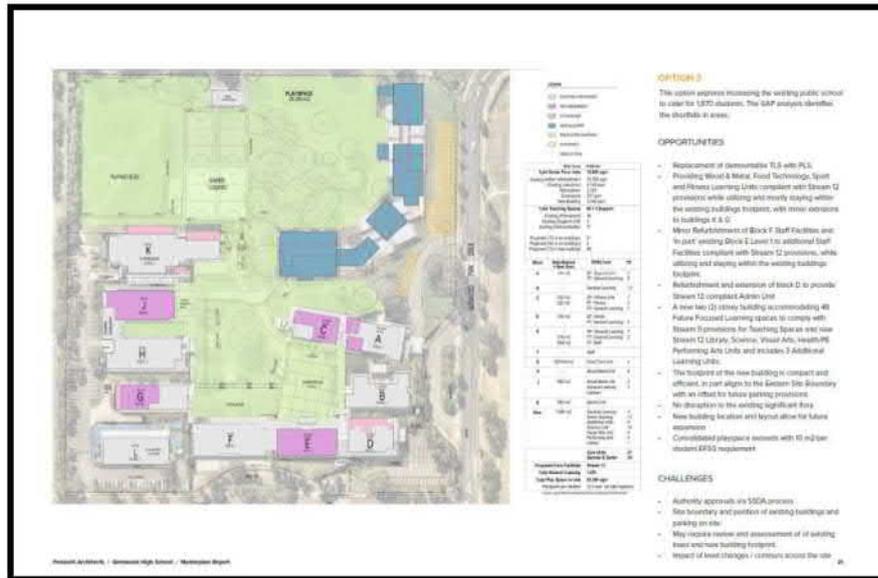


Figure 8: Proposed development option 3 (Source SINSW/Pedavoli Architects 2020).

5 The Environmental Context

5.1 The Environment of the study area within the Cumberland Plain

The study area is located at Glenwood, an area of the Cumberland Plain. The landscape of the study and surrounding area can be characterised as flat to gently undulating topography, with landform elements including drainage depressions, creek systems, flats, residual rises, simple slopes and crests.

5.1.1 Vegetation

The vegetation of the study area has been significantly modified by historic European land management practices, initially for grazing and for crop production and more recently associated with urban development. Spatial layers from OEH 2010 and based upon Tozer 2003 show remnant vegetation communities in the area consisting of the Shale Plains Woodland. This type of vegetation community is also described as Cumberland Plain Shale Woodlands and Shale-Gravel Transition Forest by the Australian Government Department of Environment, Water, Heritage and the Arts (2010) and is listed as a threatened ecological community.

The Department of Environment, Water, Heritage and the Arts (2010) list the following species that are included in the vegetation community:

Tree canopy species include *Eucalyptus moluccana* (grey box), *Eucalyptus fibrosa* (red ironbark, broad-leaved ironbark), *Eucalyptus tereticornis* (forest red gum), *Eucalyptus crebra* (narrow-leaved ironbark), *Eucalyptus eugenoides* (thin-leaved stringybark), and *Corymbia maculata* (spotted gum).

Small to medium sized trees include *Acacia decurrens* (black wattle, green wattle), *Exocarpos cupressiformis* (native cherry), *Acacia parramattensis* (Parramatta wattle), *Acacia implexa* (hickory wattle) and *Melaleuca decora* (paperbark).

Shrubs include *Acacia falcata* (sally), *Acacia implexa* (hickory wattle), *Breynia oblongifolia* (coffee bush), *Lissanthe strigosa* (peach heath), *Rubus parvifolius* (native raspberry), *Dillwynia sieberi*, *Bursaria spinosa* (blackthorn), *Daviesia ulicifolia* (gorse bitter pea), *Dodonaea viscosa subsp. cuneata* (wedge-leaf hop-bush), *Indigofera australis* (native indigo).

Grasses and grass-like species include *Aristida ramosa* (purple wiregrass), *Themeda triandra* (kangaroo grass), *Dichelachne micrantha* (plumegrass), *Cymbopogon refractus* (barbed wire grass), *Microlaena stipoides subsp. stipoides* (weeping grass), *Lomandra filiformis subsp. filiformis* (wattle mat-rush), *Lomandra multiflora subsp. multiflora* (many-flowered mat-rush), *Cyperus gracilis* (slender sedge).

5.1.2 Geology

The study area is located within the Cumberland Plain. The landscape of the local and surrounding area can be characterised as flat to gently undulating topography, with landform elements including drainage depressions, flats, residual rises, simple slopes and crests. The surface geology is part of the Wianamatta Group forming part of the Middle-Triassic sequence. The underlying geology of the study area is composed of the Ashfield Shales. Quaternary sand, silts, and clays form the surface deposits in the low-lying areas and depressions (Jones and Clark 1991) (see Figure 9).

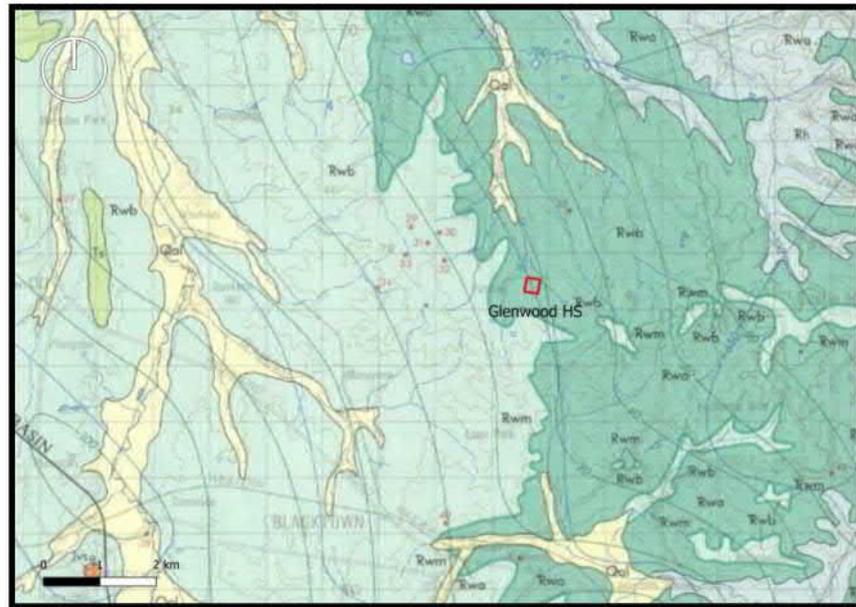


Figure 9: Geology Map for the Glenwood High School. Rwb represents shale, carbonaceous claystone, laminate, fine to medium grain lithic sandstone, rare coal and tuff (Clark and Jones 1991).

5.1.3 Soil

Soils of the study area are part of the residual Blacktown soil landscape (see Figure 10): these have formed in situ from the underlying shale geology. This landscape is characterised by shallow to moderately deep red, brown and yellow podzolic soils. Soil fertility and drainage are low. These soils are susceptible to erosion when the vegetation is not maintained (Bannerman and Hazelton 1990).

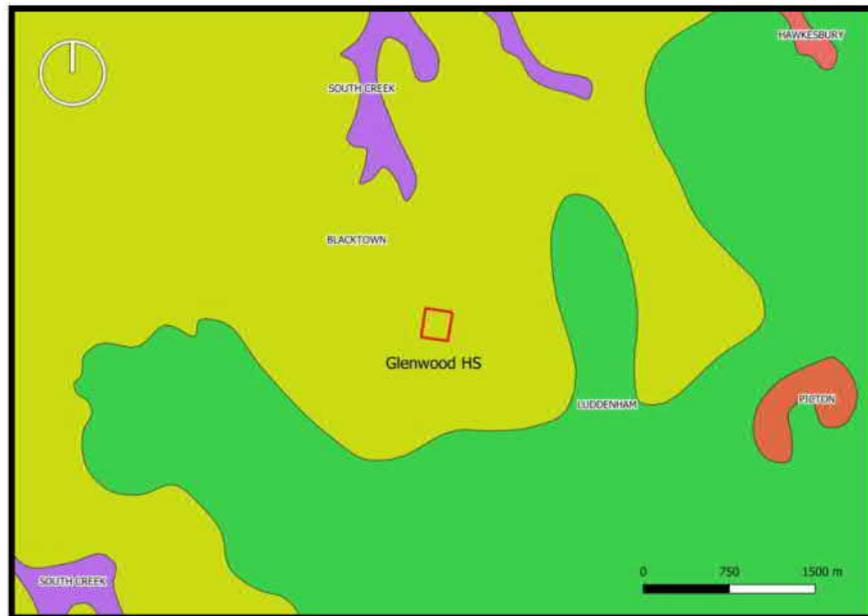


Figure 10: Soil landscape map showing the location of the Glenwood High School within the Blacktown Soils landscape (Bannerman and Hazelton 1990).

5.1.4 Terrain

The topography of the study area is a very gently sloping lower slope approaching the confluence of two first order streams to the north. Both streams have been significantly modified and reshaped to address the hydrology requirements associated with the urban development of the area. Figure 11 and Figure 12 show a three dimensional perspective of the study area.



Figure 11: 3D view looking north across the study area showing flat to gently undulating terrain (Aerial image and LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.).

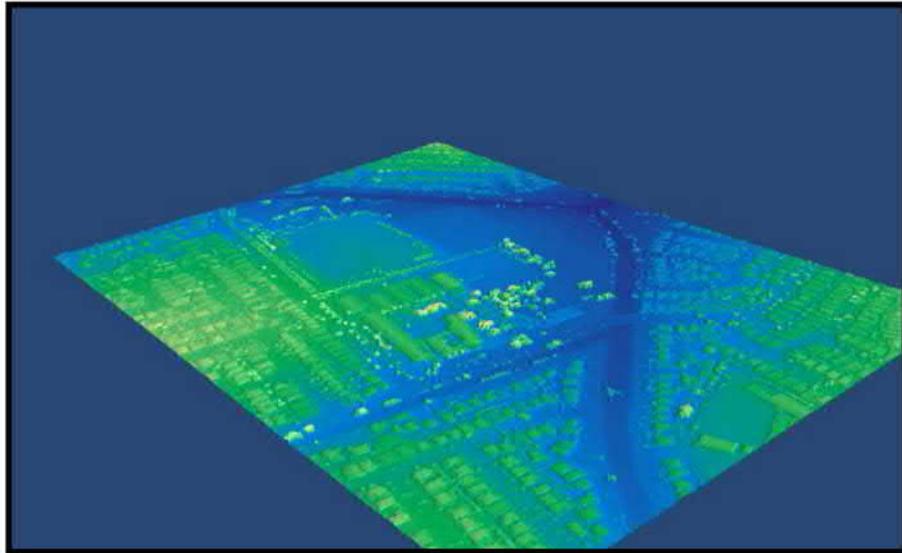


Figure 12: LiDAR derived image looking north-west. The modified channels from the original first order streams can be seen. LiDAR source: Six Maps © Department Finance, Services and Innovation, NSW Government.

6 The Archaeological Context

Dating human colonisation of Australia is a primary pursuit of archaeologists. Their investigations can involve excavating rock shelters and open occupation sites to estimate the age of the lowest levels containing what are termed 'cultural objects' such as artefacts made or used by humans (see e.g. Hiscock 2008:27). There is now evidence of human colonisation of northern Australia 65,000 years BP (see e.g. Clarkson et al 2017). Bowdler (2010:182) posits that 'people were on the western side of the Great Dividing Range by 40,000 years ago, and began to penetrate the western slopes of the eastern highlands not long after. Bowdler suggests that 'after the retreat of the glaciers, the east coast began to look like a more attractive proposition, luring travellers from the west to filter down its precipitous eastern cliffs and gullies to explore the newly emerging well-watered, resource-rich coasts and rivers of an eastern' Australia.

The earliest presence of people in the Sydney Basin is uncertain but there is evidence for Pleistocene occupation of the region around 40,000 years ago. Archaeological excavations carried out at Parramatta by McDonald (2005) report dates as early as 30,000 years BP, providing some of the oldest dates for the Sydney Basin. Though limited details around the methodology used to collect the samples and obtain the dates has meant that the dating has not been subject to a sufficient level of scrutiny within the profession to enable confidence in the reported dates (Bowdler 2010). However, the most recent dates from the Parramatta Sand Sheet indicates that this area was occupied from between 35-40,000 years BP (GML 2019).

Closer to the PLEEC site there is evidence for Pleistocene occupation in the Penrith area, which is situated in the western Cumberland Plain biogeographic region. In a rock shelter identified as Shaws Creek K11, near the Nepean River just north of Penrith, occupation dating of $14,700 \pm 250$ BP has been obtained (Kohen et al 1984; Stockton 2009), possibly 20,000 years BP (Stockton 2009, 2019). At Cranebrook Terrace, human occupation has been dated at $47,000 \pm 5,200$ BP (Stockton and Holland 1974; Nanson 1987 et al; Stockton and Nanson 2004). More recently, Williams et al's (2017:1) 'results lend increasing support for visitation of the Nepean River corridor by Aboriginal people as a part of the initial colonisation of Australia'. In 2019, Stockton stated that the Cranebrook Terrace dating 'should not be seen as surprising given evidence of human occupation extending back approximately 60,000 years in Australia' (Knox 2019:17).

Kohen's (1986a:295) early research of Aboriginal settlement of the western Cumberland Plain identified that material evidence of occupation can be 'found continuously across the landscape, with no environmental zone left unexploited'. He also found that most sites occurred within 100 metres of permanent water sources, on elevated terraces above water, and that major occupation sites would occur at the junction of difference environment zones where there was an increase in plant based food resources.

The archaeological evidence for the majority of Aboriginal sites on the Cumberland Plain indicates that the area was intensively occupied from approximately 4,000 years BP (JMCHM 2007). Many researchers believe that these relatively 'young' dates are probably more a

reflection of conditions of archaeological site preservation, rather than actual evidence of the presence or absence of an Aboriginal population prior to this time.

Our understanding of how and when Aboriginal people occupied and used the Sydney Basin landscape is largely based upon changes observed in the composition of stone tool assemblages. Detailed archaeological investigations of the Aboriginal settlement patterns of Sydney's Cumberland Plain can be traced back to the mid-1980s. This was a period marked by the rapid growth in residential and other forms of development across the area.

Recent intensive development activities have meant that the Cumberland Plain is one of the most intensely investigated archaeological regions in Australia. These Aboriginal archaeological investigations have identified over 4,000 sites across this region and reveal a rich and diverse record of past Aboriginal occupation on the Cumberland Plain. Summaries of these works are included in reports by, for example, Attenbrow (2010), JMCHM (1997), McDonald (2008) and Przywolnik (2007) in addition to the archaeological surveys cited above.

Key factors drawn from the research and our present understanding of the archaeology of the Cumberland Plain include:

- available radiocarbon determinations and optically stimulated luminescence dating indicate Aboriginal people have occupied the Cumberland Plain for potentially as long as 40,000 years
- Aboriginal settlement patterns on the Cumberland Plain have been linked to a variety of environmental factors, with proximity to water, stream order, landform and geology being some of the key attributes dictating location of sites
- most surface sites will occur on landform elements within 200 metres of watercourses, with larger more complex artefact assemblages associated with higher order streams
- artefact distributions across the Cumberland Plain do not form bounded 'sites' but rather cultural 'landscapes', and
- subsurface artefact distributions across the Cumberland Plain tend to vary significantly in relation to landform and stream order.

6.1 Previous Archaeological assessments

Archaeological investigations have been conducted within the zone of the extensive AHIMS search carried out for the study area. These are summarised as follows -

In 1989, Mary Dallas was commissioned by the Blacktown City Council to conduct an archaeological study of the land within the Parklea Release Area. During the investigation three distinct site types were identified, the first being archaeologically insignificant areas. The second site type were archaeologically sensitive areas which require further investigation and the third was an archaeologically significant area containing an open camp site. The study area is located on a well-documented environmental landscape. The area consists of undulating hills with ridge lines. Creeks and their associated tributaries drain into the low hills and empty



into Cattal Creek. Second Ponds Creek and Caddies Creek are both sources of permanent water. The study area overlies the Bringelly and Ashfield Shales of the Wiannamatta Group. The Bringelly Shales are located on the ridge lines, separating the major creeks, while the Ashfield Shales occur along the creek lines. The soil profile in the study area is largely derived from the erosion of the shales. The soil is composed of clay loams, which historically would have supported eucalypts and sclerophyll. The study area has been largely modified into farms and residential areas. Furthermore, Second Ponds Creek has been exposed to erosions and destabilization from forest clearing. Previously, two archaeological investigations have been conducted in the Parklea Release Area both identifying camp sites, indicated by stone artefact scatters along exposed or eroded edges of Second Ponds Creek. Previous predictions of Aboriginal artefacts found in the area have indicated that sites can be found on any type of topographic landscape and will occur in a higher density towards water sources however, European settlement and major flooding has cause inconsistencies in the predicted distributions of artefacts. The archaeologically sensitive areas found in this study were identified as ridgetops or along creek lines. The archaeologically significant site displays continuous occupation of the area running along the creek line.

In 1993, Josephine McDonald conducted an archaeological survey of the Rouse Hill Infrastructure Project located along the Caddies and Second Ponds Creek in Rouse Hill. The study was the second survey commissioned by Rouse Hill Pty Ltd in stage one of the developments. During the survey, six sites, six isolated finds and four potential deposits were identified. These are in addition to previously recorded sites in the area. Six of the sites were open sites, all containing artefacts and one with grinding grooves. The most common type of site found during this survey and previous surveys were open camp sites and grinding grooves with the least common including scarred trees, rock engravings and shelters with art. The artefacts found during the surveys generally include mudstone, silcrete and quartzite debitage.

In 1993, Elizabeth Rich was commissioned by Rouse Hill (Stage 1) Pty Ltd to conduct archaeological investigations of the site's PK/PC 1-5 in Parklea. Generally, the archaeological material found during the investigation was minimal however focused activity areas occurred in eight of the locations. The study area is located on the Cumberland Plain and forms the upper catchment of a gully draining into Caddies Creek. The study area overlies the Ashfield Shale with the hills to the west of the area composed of the Minchinbury sandstone and Bringelly Shale. Alluvial fills surrounding the area indicate episodes of infilling and gullying from low energy channels. The topography contains undulating hills with minimal erosion. Extensive modification after European settlement has resulted in native vegetation being cleared however some mature trees occurred. The sites PK/CD1+2 and PK/CD3-6 were identified as archaeologically significant and occur towards Caddies Creek. Furthermore, the site at Second Ponds Creek occurs 1.5km west. The sites are associated with semi-permanent to permanent water sources. Investigations of stone artefacts found indicate that all stone artefacts were imported with the predominant material being silcrete. The eight locations that contained artefacts were located within 50m of water sources or former drainage lines.



In 1993, Brayshaw McDonald Pty Ltd conducted an archaeological investigation of a potential archaeological deposit (PAD 21) at Parklea NSW. They were commissioned by Rouse Hill (Stage 1) Pty Ltd as part of an ongoing investigation linked to the Rouse Hill Infrastructure Project. Investigations uncovered a low density of archaeological material over most of the study area with major concentrations in one location. The major concentration is located on alluvial flats and the material suggests knapping was the primary activity. The study area is located on the Cumberland Plain with four major creek lines within the vicinity. It overlies the Ashfield Shale with several alluvial deposits forming along the creek lines. The topography consists of flood plains surrounding gentle hill slopes with swamp areas forming between. Historically, the vegetation consisted of eucalypts as well as other native trees adapted to the clay soils derived from the shales. The area has been largely cleared of vegetation however the ground remains undisturbed. The variations and densities of the archaeological materials indicates that different groups have entered the location throughout time for various reasons. Most of the artefacts found came from alluvial areas in the upper sections of the soil profile. The artefacts were predominantly silcrete with small amounts of quartz and mudstone.

In 1993, Josephine McDonald undertook an archaeological investigation of sites PK/CD 3-6 at Parklea. The report was commissioned by Rouse Hill (Stage 1) Pty Ltd. The study area is located on the Cumberland Plain and is surrounded by tributaries associated with Caddies Creek. The area is underlain by gentle slopes with little erosion. Much of the study area has been cleared of vegetation however native trees remain at the edges of water sources. Dams have been placed in various areas of paddocks. References in the Sydney Gazette in 1805 and worked glass material previously found in the area indicates the possibility of contact materials. Extensive land disturbance has occurred in some of the study area however the hillslope (containing PK/CD4, PK/CD5 AND PK/CD6) appear to be relatively undisturbed. The study area ranges from moderate to high archaeological potential. Sites PK/CD3 and PK/CD5 are low density with minimal archaeological significance. Sites PK/CD4 and PK/CD6 contain backed blades and showed no evidence of heat treatment areas, contrasting to PK/CD1 and PK/CD2, further downstream.

In 2002, Jo McDonald and Mary Casey conducted a survey commissioned by Rouse Hill Infrastructure Consortium in a development area near Second Points Creek. During the investigation, 22 archaeological sites, isolated finds and potential deposits were located. A sandstone bridge, weir and a dam in the development area are also considered valuable to the investigation. The development area is located on the Cumberland Plain and overlies the Hawkesbury Sandstone, Ashfield Shale and Bringelly Shale subgroups. The areas underlain by the shale subgroups have produced hillslopes, terraces and alluvium landscapes. There are several nearby raw material sources for stone artefacts. Historically, the study area contained forests and woodland associated with clay soils derived from shales. Much of the study area has been cleared with severe soil disturbance however some areas remain intact. Predictive modelling in the investigation suggest that higher densities of artefacts will be found near shale hillslopes, ridges and first order tributaries. The sites identified in this investigation and previous investigations remain generally consistent with this trend.



In 2003 Biosis Research undertook an archaeological assessment of the site of the proposed school at Glenwood. The predictive model for the site predicted that there was a high likelihood of Aboriginal objects being present at the site and that due to the extensive vegetation cover subsurface investigations were recommended. Two artefacts and a potential scarred tree were identified during the site survey. The recommendations for the site included fencing of the scarred tree, application to impact permits for both of the isolated artefacts, and a program of archaeological testing.

In 2004 Biosis Research undertook the archaeological test excavation program that they had previously recommended during the investigation undertaken in 2003, including a salvage and monitoring program on the Glenwood High School site, that they had previously assessed in 2003. Under a consent permit a series of 80 test pits were excavated, and a number of grader scrapes were undertaken from which 116 artefacts were recovered. 98% of the archaeological resource was found in a sub-surface context.

In 2006, Stedinger Associates was commissioned by EDAW Australia Pty Ltd to conduct an Aboriginal site survey and assessment of Waite Reserve CR710 in Acacia Gardens in Blacktown. During the survey one isolated artefact and a potential archaeological deposit was identified. The isolated artefact was a flake made of mudstone found at surface level. The PAD was moderately disturbed and at an elevated area. The study area is located on the Cumberland Plain primarily underlain by the Wianamatta Shales. Some areas of the geology are susceptible to erosion which has contributed to undulating hills, tertiary terraces and alluvial flats. The clay soils in the area are derived from the shales and historically would have supported open eucalypt woodlands. European settlement has resulted in much of the area being cleared and repurposed for agriculture. Modern vegetation consists of a mix of various introduced and native species. Several sites have been recorded in the 2km vicinity of the development area consisting mainly of open campsites, isolated finds and potential archaeological deposits.

In 2012, Godden Mackay Logan Heritage Consultants and Jo McDonald Cultural Heritage Management undertook an archaeological excavation of Aboriginal site 45-5-2653 within Lot 2 and Lot 4 Windsor Road, Kellyville. The excavation was carried out on a lower slope adjacent to a third order stream. The excavation revealed a low density of artefacts. Backing was the most frequent type of modification that had been applied to artefacts. Backed artefacts comprised approximately four percent of the total assemblage. The significance of the site was assessed as being of low to moderate scientific significance. The deposit did not exhibit chronological stratification.

The assemblage was compared with other nearby assemblages from Second Ponds Creek to determine if changes in stream order, from second to fourth order streams influenced changes in the nature and complexity of the assemblage. The assemblage did not display the expected changes in correspondence to the stream order change. Other factors apart from the proximity to water influenced how the site was used and the corresponding makeup of the assemblage. The distance decay model was also applied. This considered changes in the artefact characteristics relative to rationing, as distance to the known raw material source of

silcrete increased. Comparisons of the study area with other sites with varying distances of the known raw material source gave results that did not provide consistent support for the model (Godden Mackay Logan Heritage Consultants and Jo McDonald Cultural Heritage Management 2013:60-67).

6.2 AHIMS Search

A search of the AHIMS database records for the area within approximately 2 km radius of the study area identified 77 recorded sites. The sites are shown in Table 2 and Figure 13.

<u>Site ID</u>	<u>Site name</u>	<u>Context</u>	<u>Site features</u>	<u>Site types</u>
45-5-2027	PK/GD1 near Parklea	Open site	Artefact	Open Camp Site
45-5-2017	Belvis 7 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2018	Belvis 3 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2019	Belvis 2 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2020	Belvis 1 (Bella Vista)	Open site	Artefact	Open Camp Site
45-5-2712	PAD-05-19	Open site	Artefact	
45-5-2713	PAD-05-18	Open site	Artefact	
45-5-2774	Bella Vista 5	Open site	Artefact	
45-5-2652	PAD33	Open site	Potential Archaeological Deposit (PAD) , Artefact	
45-5-2874	RH/SP20 (formerly PAD40)	Open site	Potential Archaeological Deposit (PAD)	
45-5-2876	Glen 1 duplicate of 45-5-2887	Open site	Artefact	
45-5-2877	Glen 2 duplicate of 45-5-2889	Open site	Artefact	
45-5-2887	Glen1 duplicate of 2876	Open site	Artefact	
45-5-2889	Glen2 duplicate of 45-5-2877	Open site	Artefact	
45-5-2890	RH/CR1	Open site	Artefact	
45-5-3288	BVFP3	Open site	Artefact : 1	
45-5-3289	BVFP1	Open site	Artefact : 2	
45-5-3290	BVFP2	Open site	Artefact : 2	
45-5-3291	BVFP4	Open site	Artefact : 1	
45-5-3354	BRO1	Open site	Artefact : 13	
45-5-3954	Fairway Drive IF1	Open site	Artefact : 1	
45-5-3955	Arnold Avenue IF1	Open site	Artefact : 1	
45-5-2570	RH/SG1	Open site	Artefact	Open Camp Site
45-5-2408	Bella Vista 2;	Open site	Artefact	Open Camp Site
45-5-2409	Bella Vista 3;	Open site	Artefact	Open Camp Site
45-5-2410	Bella Vista 4;	Open site	Artefact	Isolated Find

45-5-2294	PK/PC2 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0973	Powers Lane 4;PL-4;	Open site	Artefact	Open Camp Site
45-5-0981	OWR IF 2;	Open site	Artefact	Open Camp Site
45-5-0989	OWR IF2;	Open site	Artefact	Open Camp Site
45-5-0910	PK/CD 1 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0911	PK/CD 2 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0912	PK/CD 3 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0913	PK/CD4 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0914	PK/CD 5 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0929	PK/PC 5;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0935	Powers Lane 1;	Open site	Artefact	Open Camp Site
45-5-0936	Powers Lane 2;	Open site	Artefact	Open Camp Site
45-5-0937	Powers Lane 3;	Open site	Artefact	Open Camp Site
45-5-0939	PK/PC 4;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0940	PK/CD7;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2281	PK/PC2;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2282	PK/PC3;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2293	PK/PC1 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-0962	OWR 7;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-0963	OWR 8;Rouse Hill;	Open site	Artefact	Open Camp Site
45-5-2365	KV/CD1 and NWRL PAD 8	Open site	Artefact , Potential Archaeological Deposit (PAD)	Open Camp Site
45-5-2366	KV/NW1 (Northwest Estate Kellyville)	Open site	Artefact	Open Camp Site
45-5-0492	Bella Vista 1	Open site	Artefact	Open Camp Site
45-5-3063	Burns Road Compound PAD	Open site	Potential Archaeological Deposit (PAD)	
45-5-3064	Burns Road North IF1	Open site	Artefact	
45-5-0916	PK/CD 6 Rouse Hill	Open site	Artefact	Open Camp Site
45-5-3518	Acacia 01	Open site	Artefact	
45-5-3519	Acacia PAD 01	Open site	Artefact	
45-5-3703	Kings Langley 1	Open site	Artefact	
45-5-3704	Kings Langely 2	Open site	Burial	
45-5-3706	Kings Langley 4	Open site	Artefact	

45-5-3707	Kings Langley 5	Open site	Artefact	
45-5-4261	NWRL PAD 9 - Duplicate of 45-5-4846	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4262	NWRL PAD7 - Potential duplicate of 45-5-4841	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4263	NWRL PAD5 - Duplicate of 45-5-4843	Open site	Potential Archaeological Deposit (PAD) : 1	
45-5-4264	NWRL PAD 4 - Potential Duplicate of 45-5-4839	Open site	Potential Archaeological Deposit (PAD) : 1, Artefact	
45-5-4195	Corner of Taggart Way and Balmoral Road	Open site	Artefact : 1	
45-5-2443	Belvis 4	Open site	Artefact	Open Camp Site
45-5-3081	OWR 8	Open site	Artefact : 1	
45-5-3158	WR-IF-1	Open site	Artefact : 1	
41-5-0010	PK/PC6	Open site	Artefact : 13	
45-5-3192	PL-OS-1	Open site	Artefact : 3	
45-5-3193	ML-OS-2	Open site	Artefact : 8	
45-5-3194	ML-OS-1	Open site	Artefact : 4	
45-5-3195	ML-OS-3	Open site	Artefact : 3	
45-5-3196	PL-OS-2	Open site	Artefact : 8	
45-5-3199	Acacia - PAD - 01	Open site	Potential Archaeological Deposit (PAD)	
45-5-3200	Acacia - 01	Open site	Artefact	
45-5-3844	MA1 (Riverstone)	Open site	Artefact : 1	
45-5-3845	MA2 (Riverstone)	Open site	Artefact : 3	
45-5-3846	MA3 (Riverstone)	Open site	Artefact : 3	
45-5-3847	MA4 (Riverstone)	Open site	Artefact : 4	
45-5-4838	14 Cumbelege Lane1 and NWRL PAD 6	Open site	Artefact , Potential Archaeological Deposit (PAD)	
45-5-4839	NWRL PAD 4 - Potential Duplicate of 45-5-4264	Open site	Potential Archaeological Deposit (PAD)	
45-5-4841	NWRL PAD 7 - Potential duplicate of 45-5-4262	Open site	Potential Archaeological Deposit (PAD)	
45-5-4843	NWRL PAD 5 - Duplicate of 45-5-4263	Open site	Potential Archaeological Deposit (PAD)	
45-5-4846	NWRL PAD 9 - Duplicate of 45-5-4261	Open site	Potential Archaeological Deposit (PAD)	
45-5-4905	Fairway Drive AFT 2	Open site	Artefact	
45-5-4906	Fairway Drive AFT 1	Open site	Artefact	

45-5-4775	31-33 Fairway Drive Kellyville	Open site	Artefact : 15	
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Table 2: List of site records obtained from AHIMS database from a 2 km search radius.

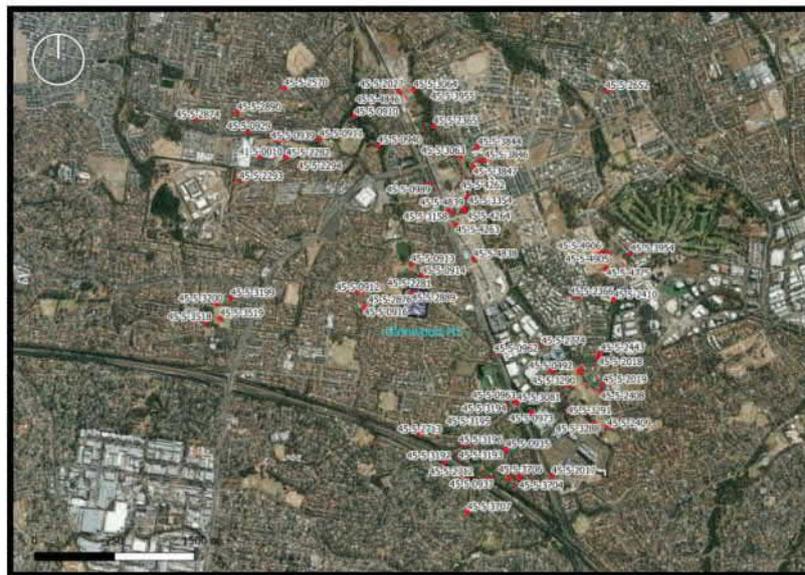


Figure 13: Image showing the location of recorded Aboriginal sites from the AHIMS search using a 2km radius search area. Glenwood High School is shown at the centre of the image. Aerial image source Six Maps © Department Finance, Services and Innovation, NSW Government.

7 Historical Land Use

The land on which the Glenwood High School is located was the traditional lands of the people of the Darug language group, and was probably the traditional lands of the Bediagal Clan (Attenbrow 2002:23-24). With European occupation and colonisation of the land came the displacement of people from their traditional lands, and the introduction of land clearing and farming practices that had never been previously used on the continent. Land grants in the area that is known today as Glenwood began to occur during 1818 (Thorp et al. 1993:11). The land where Glenwood High School is located was first granted to William Randall as a 100acre grant on the 13 January 1818. Figure 17 shows the record of the land grant to William Randall in 1818 in what was originally, the District of Bathurst, Parish of Gidley. This was Portion 64 of the Parish of Gidley. Records show that Randall did not hold on to the land for long. Portion 64 was transferred to Daniel Brien and Timothy Brien, and then to James Pearce in 1832, and then Mathew Squire Pearce, a Kellyville farmer, in 1897. In 1901 the land was transferred to Arthur Brien, a Seven Hills farmer, and then the land passed through several other owners until 1974

when it was subjected to a resumption by the Housing Commission of NSW (NSW Land Registry Services: Application 10362; Vol 1239-175; Vol 1341-157).

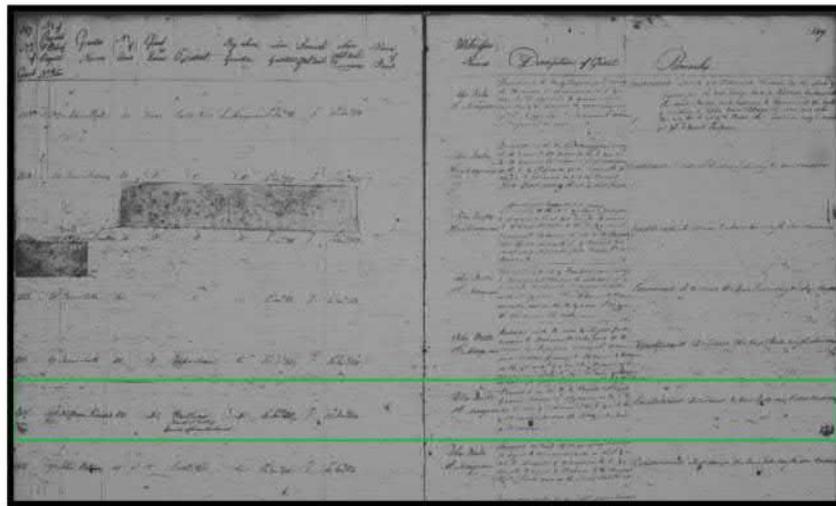


Figure 17: Register of land grant showing the 100acre grant to William Randall in the former District of Bathurst, Parish of Gidley (State Archives NSW NRS-13836 Registers of land grants and leases 7/447 Reel 2561).

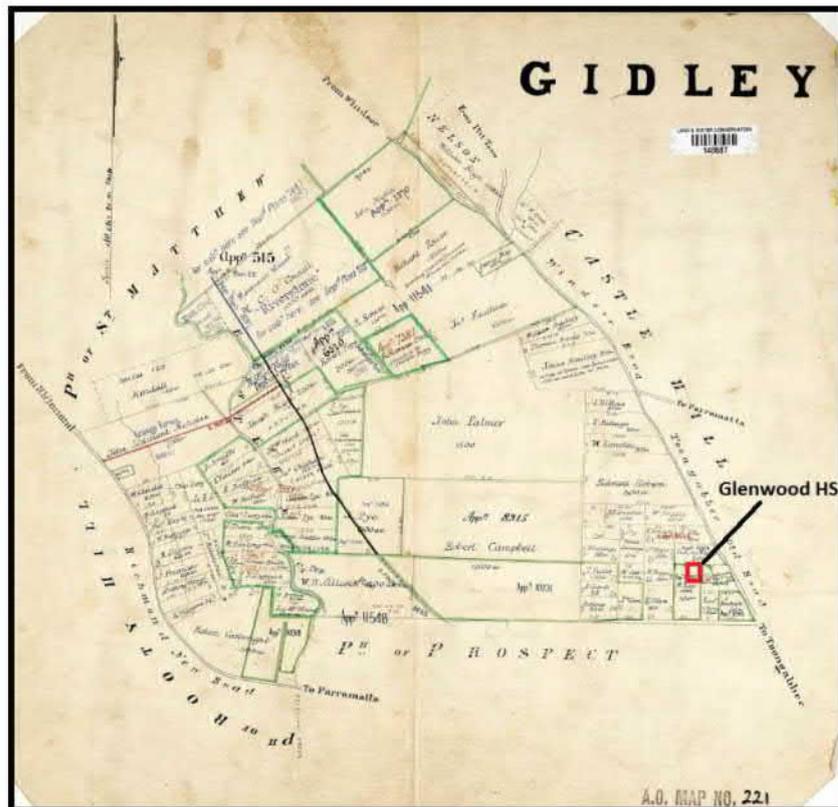


Figure 14: Early Parish map of Gidley showing the location of the Glenwood High School (Source NSW LRS HLRV Parish of Gidley).

Research of the study area does not indicate that there were any early buildings, dwellings or other structures on the site of the Glenwood High School. Early aerial images of the site from 1955 show the study area as being partially cleared on the west side and partially vegetated to the east. There is no evidence of furrows or cultivation in this image suggesting that the study area was probably initially used for grazing. Aerial imagery from the 1970s show the presence of furrows from cultivation on the western half of the study area indicating that this part of the study area was used for crop production around this time. Images from 1986 show that there was no further changes in the use of the land. In 1994, whilst the land use remains unchanged there is evidence of the impacts upon the north-eastern corner of the study area from the shaping of the drainage channels associated with the modifications of the stream channel.

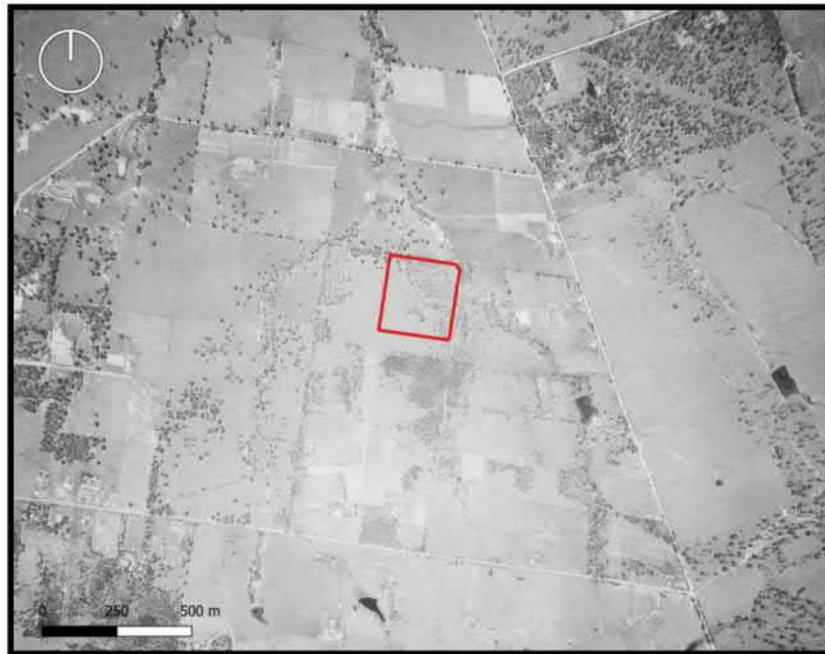


Figure 15: 1955 Aerial Photo of the Glenwood High School site (Source: Spatial Services NSW Government).

7.1 Site Disturbance

A visual inspection of the Glenwood High School was carried out on the 12th of August 2020 as part of the original due diligence assessment. All of the locations within the proposed development footprint were inspected by archaeologists William Moon and Danielle Mitchell. There is evidence that the study area and development footprint have been subjected to land clearing and some degree of modification associated with the installation of the temporary buildings and the associated services to these buildings. There is also evidence in the aerial imagery sourced for the assessment that shows the civil works associated with the remodelling and changes to the nearby stream channels have impacted upon the northeast corner of the study area (refer to Figure 16).

The results of geotechnical investigations undertaken at the study area found that in all of the bore hole locations within the development footprint that soils consisted of fill above the sterile B Horizon clays. There were no natural soils present in the A Horizon. The bore holes were located within the area observed in earlier aerial imagery that shows signs of earthworks associated with the creek channel modifications, and where the temporary school buildings have been located.



Figure 16: Aerial Image from 1994 showing that civil works associated with the remodelling of the stream have intruded into the study area (Source: Spatial Services NSW).



Figure 17: Map of geotechnical bore hole locations (Source SINSW).

8 Predictive Model

The assessment of the archaeological potential of the site is based upon the assessment of the landscape features, assessment of the environment aspects of the site including potential resource areas (Owen and Cowie 2017), the degree of the disturbance of the landscape, the stream order model (White and MacDonald 2010), and the review of the AHIMS site data and previous studies undertaken within the locality.

8.1 Stream Order, Topography and Artefact Concentrations

The study area is located on gently sloping ground on a lower slope landform with a northern aspect. Two first order streams are located to the east and to the northwest of the study area. The confluence of these streams is approximately 270 metres to the north of the development footprint. The path of the two first order streams has been moved from their original position as a result of the urban development and a redesign of the hydrology for the suburb. Figure 18 shows the original position of the streams relative to the study area with one stream running along the eastern margin of the study area and the other to the west and northwest. The modified stream channels are shown in Figure 12, Figure 16 and Figure 19.

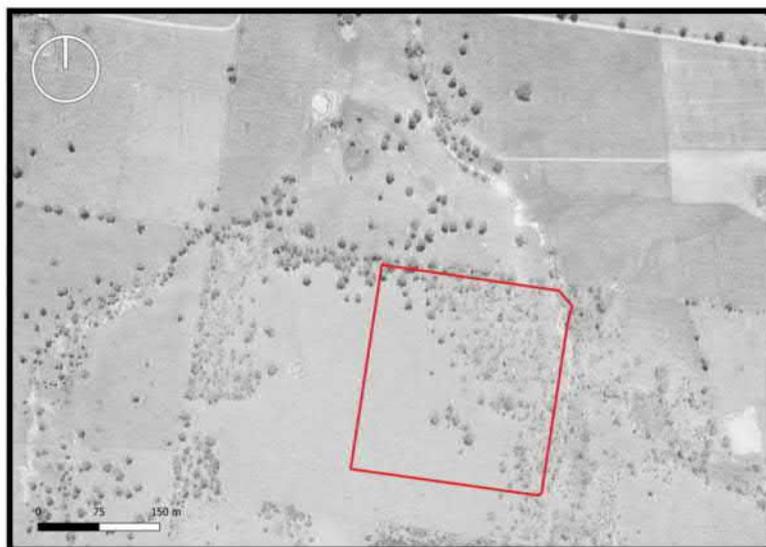


Figure 18: 1955 aerial image showing the location of streams relative to the study area (source: Spatial Services NSW).

Research of the results of systematic test excavations undertaken in the Rouse Hill area of the Cumberland Plain by White and MacDonald (2010) found that the highest density of artefact concentrations correlated with higher order streams. Highest densities were found associated with terraces and lower slope zones within 50 to 100 metres of 2nd and 4th order streams. They also found that landscapes associated with first order streams had very low artefact counts with test squares predominantly yielding zero artefacts. A review of the archaeological studies undertaken in the surrounding area within a 2km radius of the study area suggests that low density artefact distribution is likely within the development footprint for the study area.



Figure 19: Image showing first order streams to the northwest and northeast of the study area converging just to the north. Streams data accessed from Spatial Services NSW. Aerial image from SixMaps © Department Finance, Services and Innovation.

8.2 Economic Zones

A review of the spatial data for the study area shows that a geological change occurs within 350 metres of the site where there is a transition from Ashfield Shale to Bringelly Shale. Approximately 900 metres from the study area there is a change in soils with a transition from Blacktown soils to Luddenham soil landscapes, and there is an increased presence of Turpentine Ironbark forest. It is not known whether this transition zone may have created an ecotone or economic zone (Owen and Cowie 2017) and it is considered too distant from the study area to exhibit evidence of increased activity due to exploitation of the economic zone.

8.3 Scarred Trees

There is potential for scarred trees to be present on the Cumberland Plains. A potential scar tree was identified at the site during the survey undertaken by Biosis Research (2003). This tree is outside of the development footprint.

8.4 Rock Shelters

There are no rock shelters in this part of the Cumberland Plain which is dominated by the Wianamatta Group Ashfield Shale. There are no exposed sandstones in the area that would enable the formation of suitable shelters.

8.5 Grinding Grooves

On the Cumberland Plains, grinding grooves are normally present on sandstone exposures, often along creek lines and where water is present. An analysis of the study area indicates that the geology is dominated by the Ashfield shales (Wianamatta Group shales). There is no exposed sandstone within the development footprint.

8.6 Stone Raw Material Quarries and Source Locations

There are no known raw material sources within or in close proximity to the study area. An analysis of the study area indicates that the geology is dominated by the Ashfield shales (Wianamatta Group shales) which is not a suitable raw material for stone artefacts. There are known raw material sources on the Cumberland Plain, the nearest being the Second Ponds Creek (McDonald 1998:6). Plumpton Ridge is also a known silcrete source that is approximately 10km from the study area.

8.7 Ceremonial Grounds

There are no known ceremonial grounds at the site. The majority of the landscape surface at the site has been subject to modification for development and/or from earlier land clearing. There is unlikely to be visible remains of ceremonial structures (e.g. Bora Rings) at the site.

8.8 Burial Sites

There are known burial sites on the Cumberland Plains. There are no known burial sites within the study area, however burial sites may be present anywhere within the landscape and their potential presence must be considered in any archaeological investigations that are undertaken.

8.9 Predictive Model Summary

The study area is associated with a first order landscape with two minor intermittent first order streams to the northeast and northwest of the study area. White and McDonald (2010)

found during their lithic artefact distribution analysis of the Cumberland Plain that test squares in first order landscapes will commonly yield zero artefact counts, or when artefacts are present they will consist of low density distribution. White and McDonald found that with 2nd and higher order landscapes artefact densities increase and distribution becomes more consistent suggesting that proximity to more reliable water sources is associated with more intense use of the landscape for activities such as tool maintenance and production. A review of the previous studies conducted within the surrounding area, and the test excavations undertaken by Biosis (2004) within the original development footprint of the Glenwood High School suggests that the trend of a low density disperse distribution of lithic artefacts will continue across the remainder of the site, if the soils have remained undisturbed.

Based upon the landscape topography, proximity to water, geology, environment, site disturbance, previous studies from the broader Cumberland Plain, and studies within locality, the prediction for the site is for low density artefact concentrations. The study area is predicted to have a limited range of cultural materials and low archaeological sensitivity.

9 Research Questions

Research questions that may be applied to the study area and the development footprint include:

- Do the results of the archaeological investigations align with the predictive model?
- If the results do not align with the predictive model, how can this difference inform us about the how people used the landscape and resources in this part of the Cumberland Plain?
- Do the characteristics of lithic artefacts align with those of the broader Cumberland Plain, and studies carried out in the surrounding area?
- Is there potential to date materials associated with the cultural deposit that can provide a time context for the site?
- Can the spatial distribution of artefacts provide additional information about the use of the study area?
- How can the site contribute to our cultural understanding of the place?

10 Archaeological Survey

A site inspection and survey was carried out on the Wednesday the 12th of August 2020 by William Moon and Danielle Mitchell (Tocomwall Senior Archaeologists) as part of the initial Due Diligence Assessment that was carried for the study area. The fieldwork involved undertaking an inspection of the Glenwood High School grounds and the location of the proposed development. The inspection sought to identify any Aboriginal objects and to assess the study area to determine the degree soil surface modification. An inspection was carried out of exposures on the ground to determine if any Aboriginal objects were present. No Aboriginal

objects were found during the site inspection. A photographic record of the site and conditions was created during the visit. The location of the development footprint was visually assessed and considered likely to include extant soil profiles that have the potential to include Aboriginal objects.

A further archaeological survey was undertaken on Friday the 12th of February 2021 in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, 2010. The archaeological survey was undertaken with Dani Mitchell (Senior Archaeologist), Rodney Gunther (RAP), and Jedda Khan (RAP).

The aims of the survey were to:

- Complete the survey in accordance with the requirements of Sections 2.2, 2.4, 2.5, 2.6, and 2.7 in the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in New South Wales (OEH 2011).
- Determine if there are any significant landforms within the study area that indicate the likely presence of Aboriginal objects.
- Identify any Aboriginal objects present on the surface of the study area.
- Determine if any landforms of the survey area are likely to retain extant soil profiles that may contain Aboriginal objects and if there is a need to undertake archaeological test excavation.

Each person conducting the survey was spaced approximately 4 metres apart. The senior archaeologist carried a GPS unit and recorded the start, finish, and points along the transect. 100% of the development footprint was surveyed. Figure 21 shows the area of covered for the pedestrian survey undertaken for the ACHA. Figure 20 shows the survey coverage for the earlier Due Diligence assessment.

10.1 Aim of the Site Survey and Inspection

The objective of the site survey and inspection is to:

- Assess the surface of the development footprint to understand the likely extent of modification from the original surface profile, and to use this understanding to contribute to determining the likelihood of surviving soil profiles with the study area, and the archaeological potential.
- Photograph the condition of the study area and the observations relating to the assessment.
- Identify any Aboriginal objects present at the site.

10.2 Survey Strategy

The archaeological survey strategy was to inspect 100% of proposed development footprint.

10.3 Survey Results

The effective survey coverage for the ACHA is described in Table 3. The school grounds are covered in grass and there is very little exposed ground. No Aboriginal objects were identified during the survey.

Survey Unit	Landform	Survey Unit Area m ²	Visibility	Exposure	Effective coverage area (sq m) (= survey unit area x visibility % x exposure %)	Effective coverage % (= effective coverage area/survey unit area x 100)
1	Gentle Lower Slope	6992	< 10%	< 10%	69.92	1%

Table 3: Survey coverage results ACHA.



Figure 20: Survey coverage from Due Diligence Assessment.



Figure 21: Survey coverage for ACHA.

No Aboriginal objects were identified during the survey.

11 Test Excavation

A test pit excavation program was undertaken on the 6th of March 2021 in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (2010) and the project archaeological investigation methodology.

The excavation team included Tocomwall management and staff including Scott Franks, Sam Franks, Danny Franks, registered Aboriginal Party participants Jamie Currell and Adam Gunther, and archaeologists Danielle Mitchell and Will Moon.

11.1 Sampling Strategy

The test excavation sampling strategy was undertaken in accordance with the updated test excavation methodology described in the Aboriginal Cultural Heritage Assessment methodology version 1.0. This strategy is described as follows:

The proposed methodology is to undertake a series of test pit excavations at the study area that sample the landscape feature. Test pits will be completed as 50cm x 50cm squares and will be spaced at 14 metre intervals. Figure 22 shows the location and arrangement of the test pits. Test pits were spatially arranged in order to sample the entire area that contains

potential extant soil profiles. Excavated material was wet sieved through a 5mm mesh. Test excavations were carried out in accordance with requirement 16a of the Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW.



Figure 22: Image showing the arrangement of test pits completed at Glenwood High School.

11.2 Test Excavation Results

Eight test pits on Lot 5227 were completed in accordance with the methodology. One additional test pit was excavated to that shown in the updated methodology. Test pit excavation either continued down to the sterile B Horizon clay layer, or excavation was discontinued due to the continued presence of fill material. No stratigraphy was evident in the A Horizon above the clay (B Horizon). Excavated material was wet sieved through a 5mm aperture mesh. No Aboriginal objects were located during the excavation and sieving. Excavation recording forms were used to record the details for each spit excavated. Each spit was also photographed.

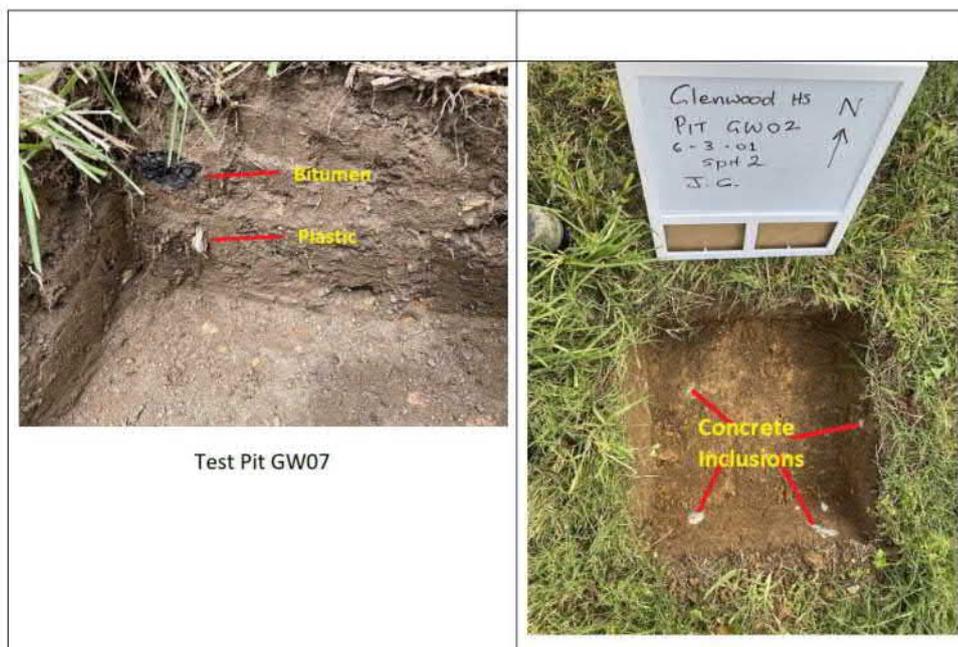
Completed Test Pits







Table 4: Table of Test Pit Images.



	Test Pit GW02
 <p>Test Pit GW04</p>	

Test Pit Number	Transect	No. Spits	Interval	Depth	Description
GW01	1	5	5cm	25cm	A Horizon: Dark brown sandy loam with ironstone nodules. No stratification observed in A Horizon. Excavation terminated at the sterile B (Clay) Horizon.
GW02	1	2	10cm	20cm	A Horizon: Composed of fill. Dark brown sandy loam with broken concrete and brick. No stratification observed in A Horizon. Excavation terminated at the sterile B (Clay) Horizon.
GW03	1	3	10cm	10cm	A Horizon: Dark brown sandy loam mixed with clay nodules. Disturbed, no stratification observed in A Horizon. Excavation terminated at the sterile B (Clay) Horizon.

GW04	1	4	10cm	40cm	A Horizon: Composed of fill. Dark brown sandy loam with broken concrete, brick, gravel and plastic. No stratification observed in A Horizon. Excavation terminated at the base of spit 4 due to continued presence of fill.
GW05	2	3	10cm	30cm	A Horizon: Composed of fill. Dark brown sandy loam mixed with clay and gravel inclusions. Disturbed, no stratification observed in A Horizon. Excavation terminated at the sterile B (Clay) Horizon.
GW06	2	3	10cm	30cm	A Horizon: Dark brown sandy loam. No stratification observed in A Horizon. Excavation terminated at the sterile B (Clay) Horizon.
GW07	2	3	5cm	15cm	A Horizon: Composed of fill. Dark brown sandy loam with bitumen and plastic. Excavation terminated at the base of spit 3 due to continued presence of fill.
GW08	3	3	10cm	30cm	A Horizon: Dark brown sandy loam. No stratification observed in A Horizon. Excavation terminated at the sterile B (Clay) Horizon.
GW09	3	3	5cm	15cm	A Horizon: Evidence of fill in spit 1 including presence of gravel. Dark brown sandy loam. No stratification observed in A Horizon. Excavation terminated at the sterile B (Clay) Horizon.

Table 5: Table showing spit number, depth, and description for each test pit.

12 Analysis and Discussion

The results of the test excavation have revealed that the soils have been disturbed in the proposed development footprint. This disturbance indicates that the development footprint of the existing school buildings, demountables and school grounds went beyond the development footprint that was the basis of the archaeological assessment undertaken by Biosis (2003; 2004). This extended impact from the development may have occurred after the original school construction, however there is no evidence that it was assessed or investigated for its archaeological potential or for Aboriginal objects prior to being impacted. It is apparent that the study area and proposed development footprint was both levelled with introduced fill material, and that foundations and services for the demountable buildings were installed, all being outside of the development footprint which was the basis of the original Biosis assessment. As no further assessments had been undertaken since the Biosis assessment, it was considered likely that there would be extant soil profiles remaining within the proposed development footprint. Additionally, the tree cluster in the centre of the school adjacent to the proposed

development footprint is considered to be on the original surface profile, and that there would be a transition from the original profile with intact soils, to the disturbed area where the demountable buildings are located. The test excavations have revealed that the soils are extensively disturbed, and that this disturbance is likely to have occurred without consideration for the archaeological potential of the study area.

13 Scientific Values and Significance Assessment

There were no Aboriginal objects, sites, or PAD identified during the archaeological survey or during the test excavation program and consultation process. There are no registered sites on AHIMS within the study area. The site of the development footprint is considered to be highly disturbed from past development. There was no material evidence identified during the assessment to inform the understanding of the past Aboriginal use of the landscape and there are no known scientific or significance values for the study area.

14 Impact Assessment

There are no known Aboriginal objects, sites or PAD at the proposed development footprint that will be impacted by development.

15 Management and Mitigation Measures

There are no known Aboriginal objects, sites, PAD or Places at the site. The objective of the test excavation program was to inform the management and mitigation measures for the study area, however there were no Aboriginal objects located during the test excavation program.

16 Recommendations

No Aboriginal archaeological sites, objects, PAD or Places were located within the development and construction footprint. The study area is situated on a landform that has also been subjected to historic land clearance, and development associated with the school grounds and the installation of the demountable buildings.

The proposed works are considered unlikely to harm Aboriginal objects, and no sites, PADs or Aboriginal Places were identified within the subject lands during the survey, consultation and test excavation program. The land within the development footprint is considered to have low to nil potential to retain extant archaeological sites, objects, or PAD.

These recommendations are provided on the basis of the recognition of the legal requirements and automatic statutory protection provided to Aboriginal 'objects' and 'places' under the terms of the *National Parks and Wildlife Act of 1974* (as amended), and as outlined in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales* (DECCW 2010).

The recommendations are:



- On the basis of the archaeological investigation undertaken, there are no Aboriginal cultural heritage constraints for the proposed development.
- If there are any deviations from the proposed impact footprints, further archaeological investigations should be undertaken to ensure no potential Aboriginal archaeological sites, objects, PAD or Places are located within the footprint of any new impacts.
- If any unanticipated Aboriginal archaeological objects are identified during the construction program, works should cease immediately and notify Heritage NSW.
- If any human remains are identified during the earthworks within the impact footprints works should cease immediately and the Police and NSW Heritage should be contacted.

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18 AHIMS Searches

SiteID	SiteName	Datum	Zone	Easting	Northing	Contact	Site Status	SiteFeatures	SiteTypes	Reports
45-5-2027	PH/GDI near Parkies	GDA	56	306790	6267440	Open site	Partially Destroyed	Artifact	Open Camp Site	3748
	Contact:									
	Records: Helen Brophy-Dunne (McDonald/Artifact - Cultural Heritage Management - Py)								Permits	
45-5-2017	Bella Vista 7 (Bella Vista)	AGD	56	310040	6263800	Open site	Valid	Artifact	Open Camp Site	4113, 98740
	Contact:									
	Records: Michael Gidler								Permits	
45-5-2018	Bella Vista 1 (Bella Vista)	AGD	56	310490	6263920	Open site	Valid	Artifact	Open Camp Site	4113, 98740
	Contact:									
	Records: Michael Gidler, Mc.Lula Highland								Permits	
45-5-2019	Bella Vista 2 (Bella Vista)	AGD	56	310520	6264000	Open site	Valid	Artifact	Open Camp Site	4113, 98740
	Contact:									
	Records: Michael Gidler, Mc.Lula Highland								Permits	
45-5-2020	Bella Vista 3 (Bella Vista)	AGD	56	310580	6264700	Open site	Valid	Artifact	Open Camp Site	4113
	Contact:									
	Records: Michael Gidler								Permits	
45-5-2711	PAD 05-19	AGD	56	309230	6263790	Open site	Valid	Artifact		98740
	Contact:									
	Records: Mrs. Catherine Mills								Permits	
45-5-2713	PAD 05-19	AGD	56	309890	6264190	Open site	Valid	Artifact		98740
	Contact:									
	Records: Mrs. Catherine Mills								Permits	
45-5-2774	Bella Vista 5	AGD	56	309945	6264023	Open site	Valid	Artifact	1374	98740
	Contact:									
	Records: Helen Brophy-Dunne								Permits	
45-5-2843	PA013	AGD	56	310542	6267453	Open site	Valid	Prehistoric Archaeological Deposit (PAD) - Artifact		98013, 102179
	Contact:									
	Records: Mary Duffin Consulting Archaeologists (MCA) / Dunne (McDonald/No Paul Irish)								Permits	2007, 2011, 3036, 3038
45-5-2874	PA013 (Security PAD48)	AGD	56	306730	6267340	Open site	Valid	Prehistoric Archaeological Deposit (PAD) - Artifact		2743, 2364
	Contact:									
	Records: Dunne (McDonald)								Permits	
45-5-2876	Site 1 duplicate of 45-5-2887	AGD	56	308727	6265220	Open site	Valid	Artifact		1743
	Contact:									
	Records: Ms. Vanessa Hardy								Permits	
45-5-2877	Site 7 duplicate of 45-5-2889	AGD	56	308727	6265220	Open site	Valid	Artifact		1743
	Contact:									
	Records: Ms. Vanessa Hardy								Permits	
45-5-2887	Site 1 duplicate of 2874	AGD	56	308727	6265220	Open site	Valid	Artifact		98740
	Contact:									
	Records: Ms. Vanessa Hardy								Permits	
45-5-2889	Site 2 duplicate of 45-5-2877	AGD	56	308727	6265220	Open site	Valid	Artifact		98740
	Contact:									
	Records: Ms. Vanessa Hardy								Permits	
45-5-2890	PA013	AGD	56	307090	6267230	Open site	Valid	Artifact		1787
	Contact:									
	Records: Helen Brophy-Dunne								Permits	

Report generated by AHIMS Web Service on 04/08/2020 for William Wood for the following area at Datum: GDA, Zone: 56, Eastings: 306670 - 310870, Northings: 6263620 - 6267620 with a Buffer of 50 meters. Additional info: One Diligence Assessment and ACHA. Number of Aboriginal sites and Aboriginal objects found is 0.

This information is not guaranteed to be free from error omission. Office of Environment and Heritage (OEH) and its employees disclaim liability for any act done or omission made on the information and consequences of such act or omission.

SiteID	SiteName	Datum	Zone	Easting	Northing	Contact	Site Status	SiteFeatures	SiteTypes	Reports
45-5-3288	BVTP3	GDA	56	310540	6264494	Open site	Valid	Artifact	1	
	Contact: Search									
	Records: Ms. Fiona Leitch								Permits	
45-5-3289	BVTP2	GDA	56	310424	6264996	Open site	Valid	Artifact	2	
	Contact: Search									
	Records: Ms. Fiona Leitch								Permits	
45-5-3290	BVTP1	GDA	56	310325	6264829	Open site	Valid	Artifact	3	
	Contact: Search									
	Records: Ms. Fiona Leitch								Permits	
45-5-3291	BVTP4	GDA	56	310295	6264613	Open site	Valid	Artifact	1	
	Contact: Search									
	Records: Ms. Fiona Leitch								Permits	
45-5-3324	BR01	GDA	56	309362	6264634	Open site	Destroyed	Artifact	13	102179
	Contact: T. Russell									
	Records: J. McDonald (Site of Heritage Management) (MCA) / Dunne (McDonald)								Permits	
45-5-3954	Palmyra Drive IP1	GDA	56	311803	6264799	Open site	Valid	Artifact	1	
	Contact:									
	Records: Mary Duffin Consulting Archaeologists (MCA) / No Paul Irish								Permits	1400
45-5-3963	Arncliffe Avenue IP1	GDA	56	309611	6267579	Open site	Valid	Artifact	1	
	Contact:									
	Records: Mary Duffin Consulting Archaeologists (MCA) / No Paul Irish								Permits	1401, 1402
45-5-3570	BR101	AGD	56	307530	6267460	Open site	Valid	Artifact		97018
	Contact:									
	Records: Helen Brophy-Dunne								Permits	1071
45-5-2489	Bella Vista 8	AGD	56	310500	6264800	Open site	Valid	Artifact		98740
	Contact:									
	Records: Helen Brophy-Dunne, Mc.Lula Highland								Permits	
45-5-2489	Bella Vista 9	AGD	56	310540	6264300	Open site	Valid	Artifact		98740
	Contact:									
	Records: Helen Brophy-Dunne, Mc.Lula Highland								Permits	
45-5-2410	Bella Vista 6	AGD	56	310820	6262480	Open site	Valid	Artifact		98740
	Contact:									
	Records: Helen Brophy-Dunne, Mc.Lula Highland								Permits	
45-5-2294	PH/PC1 Ruine Hill	AGD	56	307460	6264730	Open site	Valid	Artifact		2544
	Contact:									
	Records: Helen Brophy-Dunne								Permits	136, 62, 630
45-5-0973	Forest Lane 4, Pt. 4	AGD	56	307830	6264400	Open site	Valid	Artifact		98740
	Contact:									
	Records: Zeno Ryno, Tony Konek								Permits	614
45-5-0981	DWR IP 2	AGD	56	309900	6264340	Open site	Valid	Artifact		102179
	Contact:									
	Records: Ms. Teresa Curkull								Permits	684
45-5-0990	DWR IP 2	AGD	56	309700	6264340	Open site	Intact	Artifact		102179
	Contact:									
	Records: Ms. Teresa Curkull								Permits	
45-5-0910	PH/PC1 Ruine Hill	AGD	56	309740	6267200	Open site	Valid	Artifact		2494, 68281
	Contact:									
	Records: Dunne (McDonald)								Permits	289, 644
45-5-0911	PH/PC1 Ruine Hill	AGD	56	307860	6264000	Open site	Valid	Artifact		2895, 97, 102, 108, 281
	Contact:									
	Records: Dunne (McDonald)								Permits	389

Report generated by AHIMS Web Service on 04/08/2020 for William Wood for the following area at Datum: GDA, Zone: 56, Eastings: 306670 - 310870, Northings: 6263620 - 6267620 with a Buffer of 50 meters. Additional info: One Diligence Assessment and ACHA. Number of Aboriginal sites and Aboriginal objects found is 0.

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SiteID	SiteName	Datum	Zone	Easting	Northing	Contact	Site Status	Site Features	Site Types	Reports
45-S-0493	Bella Vista 1	AGD	56	310830	6264790	Open site	Destroyed	Artifact	Open Camp Site	945,1818,2499,98740
	Contact	Recorders								
			Elizabeth Park Tony Koschik							
45-S-0494	Burns Road Composed PAD	AGD	56	309179	6260819	Open site	Valid	Potential Archaeological Deposit (PAD)	432	182279
	Contact	Recorders								
			Helen Brayshaw							
45-S-0504	Burns Road North 071	AGD	56	308744	6267443	Open site	Valid	Artifact	2242	3241,2216
	Contact	Recorders								
			Megan Melbourn							
45-S-0419	PK/CD 4 Reserve Hill	AGD	56	308280	6263390	Open site	Valid	Artifact	Open Camp Site	2499,2474,98740
	Contact	Recorders								
			Dimitris Mc Donald							
45-S-0518	Acacia 01	GDA	56	306901	6265442	Open site	Valid	Artifact	99A05	101078
	Contact	Recorders								
			Shelager Associates							
45-S-0539	Acacia PAD 01	GDA	56	307632	6265478	Open site	Valid	Artifact	101078	
	Contact	Recorders								
			Shelager Associates							
45-S-3703	Kings Langley 1	GDA	56	309840	6263990	Open site	Valid	Artifact	Permits	
	Contact	Recorders								
			Michael Guder							
45-S-3704	Kings Langley 2	GDA	56	309840	6263990	Open site	Valid	Deposit	Permits	
	Contact	Recorders								
			Michael Guder							
45-S-3706	Kings Langley 4	GDA	56	309840	6264000	Open site	Valid	Artifact	Permits	
	Contact	Recorders								
			Michael Guder							
45-S-3707	Kings Langley 5	GDA	56	309550	6263000	Open site	Valid	Artifact	Permits	
	Contact	Recorders								
			Michael Guder							
45-S-4261	NWRL PAD 9 - Duplicate of 45-S-4846	GDA	56	308717	6267603	Open site	Destroyed	Potential Archaeological Deposit (PAD) - 1, Artifact	Permits	
	Contact	Recorders								
			GML Heritage Pty Ltd - Contact - Barry Hill, Kallaroo Nightingale Consulting Pty Ltd							
45-S-4262	NWRL PAD7 - Potential duplicate of 45-S-4841	GDA	56	309294	6266779	Open site	Partially Destroyed	Potential Archaeological Deposit (PAD) - 1, Artifact	Permits	
	Contact	Recorders								
			GML Heritage Pty Ltd - Contact - Barry Hill, Kallaroo Nightingale Consulting Pty Ltd							
45-S-4263	NWRL PAD5 - Duplicate of 45-S-4843	GDA	56	309296	6266360	Open site	Not a Site	Potential Archaeological Deposit (PAD) - 1	Permits	

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SiteID	SiteName	Datum	Zone	Easting	Northing	Contact	Site Status	Site Features	Site Types	Reports
45-S-0412	PK/CD 3 Reserve Hill	AGD	56	308220	6265530	Open site	Valid	Artifact	Open Camp Site	2899,98740
	Contact	Recorders								
			Dimitris Mc Donald							
45-S-0413	PK/CD4 Reserve Hill	AGD	56	308720	6263800	Open site	Valid	Artifact	Open Camp Site	2499,2474,98740
	Contact	Recorders								
			Dimitris Mc Donald							
45-S-0414	PK/CD 5 Reserve Hill	AGD	56	308220	6265700	Open site	Valid	Artifact	Open Camp Site	2499,2474,98740
	Contact	Recorders								
			Dimitris Mc Donald							
45-S-0479	PK/PC 1 Reserve Hill	AGD	56	307200	6267000	Open site	Valid	Artifact	Open Camp Site	2654,98281
	Contact	Recorders								
			Dimitris Mc Donald							
45-S-0433	Powers Lane 1	AGD	56	309610	6264800	Open site	Valid	Artifact	Open Camp Site	98740
	Contact	Recorders								
			David Payne							
45-S-0434	Powers Lane 2	AGD	56	309640	6263790	Open site	Valid	Artifact	Open Camp Site	98740
	Contact	Recorders								
			David Payne							
45-S-0437	Powers Lane 3	AGD	56	309940	6263700	Open site	Valid	Artifact	Open Camp Site	98740
	Contact	Recorders								
			David Payne							
45-S-0439	PK/PC 4 Reserve Hill	AGD	56	307460	6264960	Open site	Valid	Artifact	Open Camp Site	2654
	Contact	Recorders								
			Dimitris Mc Donald							
45-S-0440	PK/CD7 Reserve Hill	AGD	56	308410	6264920	Open site	Valid	Artifact	Open Camp Site	2654,98281
	Contact	Recorders								
			Dimitris Mc Donald							
45-S-2281	PK/PC2 Reserve Hill	AGD	56	308500	6265638	Open site	Valid	Artifact	Open Camp Site	1547,98281
	Contact	Recorders								
			Mary Ingle Consulting Archaeologists (MICA)							
45-S-2282	PK/PC3 Reserve Hill	AGD	56	307500	6266400	Open site	Valid	Artifact	Open Camp Site	1547,98281
	Contact	Recorders								
			Mary Ingle Consulting Archaeologists (MICA) Dimitris Mc Donald							
45-S-2283	PK/PC1 Reserve Hill	AGD	56	307150	6264580	Open site	Valid	Artifact	Open Camp Site	2544,98281
	Contact	Recorders								
			Helen Brayshaw							
45-S-0462	OWR 4 Reserve Hill	AGD	56	309100	6264950	Open site	Valid	Artifact	Open Camp Site	98740
	Contact	Recorders								
			McTernan Corbett							
45-S-0463	OWR 6 Reserve Hill	AGD	56	309700	6264233	Open site	Valid	Artifact	Open Camp Site	98740
	Contact	Recorders								
			McTernan Corbett							
45-S-2345	KV/CD1 and NWRL PAD 8	GDA	56	309036	6267293	Open site	Valid	Artifact - Potential Archaeological Deposit (PAD) - 1	Open Camp Site	3034,98740
	Contact	Recorders								
			Helen Brayshaw Tony Koschik, No Paul Irish, Kallaroo Nightingale Consulting Pty Ltd							
45-S-2346	KV/NW1 (Northwest Estate Koolbyella)	AGD	56	310200	6265490	Open site	Valid	Artifact	Open Camp Site	3034,98740

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SiteID	SiteName	Datum	Zone	Easting	Northing	Contact	Site Status	SiteFeatures	SiteTypes	Reports
45-S-2846	MA2 (Silverstone)	Recorders	GDA	56 309513	6264971	Open site	Valid	Artifact - 3	Permits	102467.10257 9
45-S-2847	MA4 (Silverstone)	Recorders	GDA	56 309410	6264908	Open site	Valid	Artifact - 4	Permits	102467.10257 9
45-S-4818	14 Gumbidgee Lane (and NWRL PAD 9)	Recorders	GDA	56 309409	6264817	Open site	Destroyed	Artifact - Potential Archaeological Deposit (PAD) -	Permits	
45-S-4819	NWRL PAD 4 - Potential Duplicate of 45-S-4264	Recorders	GDA	56 309316	6264821	Open site	Destroyed	Artifact - Potential Archaeological Deposit (PAD) -	Permits	
45-S-4841	NWRL PAD 7 - Potential duplicate of 45-S-4262	Recorders	GDA	56 309301	6264750	Open site	Partially Destroyed	Artifact - Potential Archaeological Deposit (PAD) -	Permits	
45-S-4843	NWRL PAD 5 - Duplicate of 45-S-4263	Recorders	GDA	56 309246	6264800	Open site	Not a Site	Artifact - Potential Archaeological Deposit (PAD) -	Permits	
45-S-4846	NWRL PAD 9 - Duplicate of 45-S-4263	Recorders	GDA	56 308717	6264483	Open site	Destroyed	Artifact - Potential Archaeological Deposit (PAD) -	Permits	
45-S-4905	Fairway Drive APT 2	Recorders	GDA	56 310406	6264995	Open site	Valid	Artifact -	Permits	
45-S-4906	Fairway Drive APT 1	Recorders	GDA	56 310405	6264118	Open site	Valid	Artifact -	Permits	4139
45-S-4775	31-33 Fairway Drive Kullyville	Recorders	GDA	56 310051	6264950	Open site	Valid	Artifact - 15	Permits	4139
	Contact	Recorders				McDonnell Steele			Permits	

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SiteID	SiteName	Datum	Zone	Easting	Northing	Contact	Site Status	SiteFeatures	SiteTypes	Reports
45-S-4264	NWRL PAD 4 - Potential Duplicate of 45-S-4831	Recorders	GDA	56 309346	6264488	Open site	Destroyed	Artifact - Potential Archaeological Deposit (PAD) - L	Permits	
45-S-4375	Corner of Tappert Way and Belmont Road	Recorders	GDA	56 309323	6264481	Open site	Destroyed	Artifact -	Permits	
45-S-2443	Behin 9	Recorders	AGD	56 310500	6264968	Open site	Valid	Artifact -	Permits	Open Camp Site 415338740
45-S-3881	DWR 8	Recorders	AGD	56 309718	6264490	Open site	Valid	Artifact - 1	Permits	372
45-S-3118	WS-IP-1	Recorders	GDA	56 309145	6264483	Open site	Destroyed	Artifact - 1	Permits	102579
41-S-0010	PK/PC4	Recorders	GDA	56 309413	6267390	Open site	Valid	Artifact - 13	Permits	
45-S-3192	PL-OS-1	Recorders	AGD	56 309943	6263945	Open site	Valid	Artifact - 3	Permits	
45-S-3193	ML-OS-2	Recorders	AGD	56 309170	6264000	Open site	Valid	Artifact - 8	Permits	
45-S-3194	ML-OS-1	Recorders	AGD	56 309610	6264440	Open site	Valid	Artifact - 4	Permits	
45-S-3195	ML-OS-3	Recorders	AGD	56 309460	6264220	Open site	Valid	Artifact - 3	Permits	
45-S-3196	PL-OS-2	Recorders	AGD	56 309230	6264090	Open site	Valid	Artifact - 8	Permits	
45-S-3199	Archie - PAD - 81	Recorders	AGD	56 307831	6265478	Open site	Valid	Artifact - Potential Archaeological Deposit (PAD) -	Permits	99914
45-S-3200	Archie - 01	Recorders	AGD	56 308051	6265424	Open site	Valid	Artifact -	Permits	99914
45-S-3844	MA1 (Silverstone)	Recorders	GDA	56 309450	6264994	Open site	Valid	Artifact - 1	Permits	102467.10257 9
45-S-3843	MA2 (Silverstone)	Recorders	GDA	56 309409	6264905	Open site	Valid	Artifact - 3	Permits	102467.10257 9

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