



artefact

14 November 2025

Grand Noble Project 1 Pty Ltd

C/Eterno

Dear Grand Noble,

Re: Aboriginal Heritage Impact Assessment Report – 11-23 Rangers Avenue, Mosman

Artefact Heritage and Environment Pty Ltd (Artefact) have been engaged by Eterno to prepare an Aboriginal Heritage Impact Assessment Report for the proposed redevelopment works at 11-23 Rangers Avenue, Mosman NSW 2088.

This report outlines the results of an Aboriginal Heritage Impact Assessment (AHIA) which follows the requirements of the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales* (Department of Environment, Climate Change and Water [DECCW] 2010a), hereafter the Due Diligence Code of Practice, and includes recommendations as to whether an Aboriginal Cultural Heritage Assessment (ACHAR) is required.

This report has been prepared by Neve Penklis (Graduate Heritage Consultant, Artefact) with mapping provided by Josh Symons (Technical Director, Artefact) and management input and review provided by Sammut Sammut (Senior Heritage Consultant, Artefact) and Jayden van Beek (Technical Specialist, Artefact).

If you have any queries regarding this AHIA, please do not hesitate to contact me.

Yours Sincerely

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1.0 PROJECT INFORMATION

1.1 Project background

Artefact have been engaged by Eterno (the proponent) to prepare an Aboriginal Heritage Impact Assessment for the proposed works located at 11-23 Rangers Avenue, Mosman NSW 2088. The proponent has applied for the project to be assessed as State Significant Development (SSD) under Division 4.7 of the Environmental Planning and Assessment Act 1979 (SSD-96272465), as the development has a Capital Investment Value (CIV) of \$75 million or greater.

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 14/10/2025 and issued for the SSDA (SSD-96272465). Specifically, this report has been prepared to respond to the SEARs requirement issued below:

Table 1: SEARs Requirements

SEAR	Supporting Documentation
21. Aboriginal Cultural Heritage - Where there is known, or reasonably likely, to be Aboriginal cultural heritage on or near the site demonstrate that impacts have been adequately investigated and assessed by: - Identifying that an appropriate prior planning process has already considered these impacts, e.g. a rezoning or development application, or - Providing an initial assessment of the potential impacts. - If potential impacts are significant, provide an Aboriginal Cultural Heritage Assessment Report (ACHAR) which: - Identifies, describes and assesses any impacts to Aboriginal cultural heritage sites or values associated with the site. - Is prepared in accordance with relevant guidelines.	If required: Aboriginal Cultural Heritage Assessment Report

This assessment follows the standards for initial assessment of potential impacts to Aboriginal heritage set out in the Due Diligence Code of Practice (DECCW 2010). Undertaking Due Diligence involves reasonable and practical steps to:

1. Identify whether or not Aboriginal objects are, or are likely to be, present in an area
2. Determine whether or not their activities are likely to harm Aboriginal objects (if present)
3. Determine whether further assessment is required.

1.2 Description of the study area

The study area at 11 -23 Rangers Avenue, Mosman, within the Mosman Local Government Area (LGA). The study area is made up of the following lots:

Table 2: Legal Description

Property Address	Title Description	Site Area
11 Rangers Avenue	Lot 42/DP2509	538.7 sqm
13 Rangers Avenue	Lot 41/DP2509	473.5 sqm
15 Rangers Avenue	Lot 2/DP748842	262.8 sqm
17 Rangers Avenue	Lot 1/DP748842	279.3sqm
19 Rangers Avenue	Lot 39/DP2509	611 sqm
21 Rangers Avenue	Lot 38/DP2509	679.9 sqm
23 Rangers Avenue	Lot 37/DP2509	748.8sqm

The site has a frontage of approximately 80m to Rangers Avenue and approximately 78m to Bloxsome Lane. The side boundary to the east is approximately 28m and 64m to the west. The site has a total area of 3,594m².

The site is located within the LMR 'outer area' and within 800 metres walking distance to Cremorne Town Centre and as such, is subject to the LMR housing controls.

The site is currently occupied by seven single, 2, 3 and 4 storey residential dwellings at 11 -23 Rangers Avenue, Mosman which will be demolished. The site currently has vehicular access from Rangers Avenue and Bloxsome Lane.

The study area is located within the boundaries of the Metropolitan Local Aboriginal Land Council (LALC). The study area is located within a dense suburban context and is bounded by Rangers Avenue to the south, and other residential properties to the north, west and east.

1.3 Proposed works

The application seeks development consent for demotion of existing buildings and the construction of a part 6, part 7 storey residential flat building plus two levels of carparking at 11 -23 Rangers Avenue, Mosman. Specifically, the SSDA seeks development consent for:

- Demolition of the existing structures on the sites at 11 -23 Rangers Avenue, Mosman.
- Construction of residential flat building comprising:
 - 44 Residential apartments including 10 affordable housing apartments (equivalent to 15% of the proposed residential GFA).
 - Communal open space and amenities.
 - 2.5 basement levels for car parking, bicycle parking, waste and plant.

- Vehicular access from Rangers Avenue, in the location of the current access (current vehicle access from Bloxsome Lane will be removed)

Associated site landscaping.

The proposed works are illustrated in Figure 2 to Figure 5.

Figure 1: Study area



Figure 2: Proposed works – Demolition plan



W-B
WOODS BAGOT

Client
Eterno.

Project
11-23 Rangers Avenue
Mosman NSW 2088

Sheet title
DEMOLITION PLAN

Project no.
122117
Sheet no.
DA1005

Scale
As indicated
Revision
A

Sheet size
A1
Date
05.11.2025

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Figure 3: Proposed works – Site plan

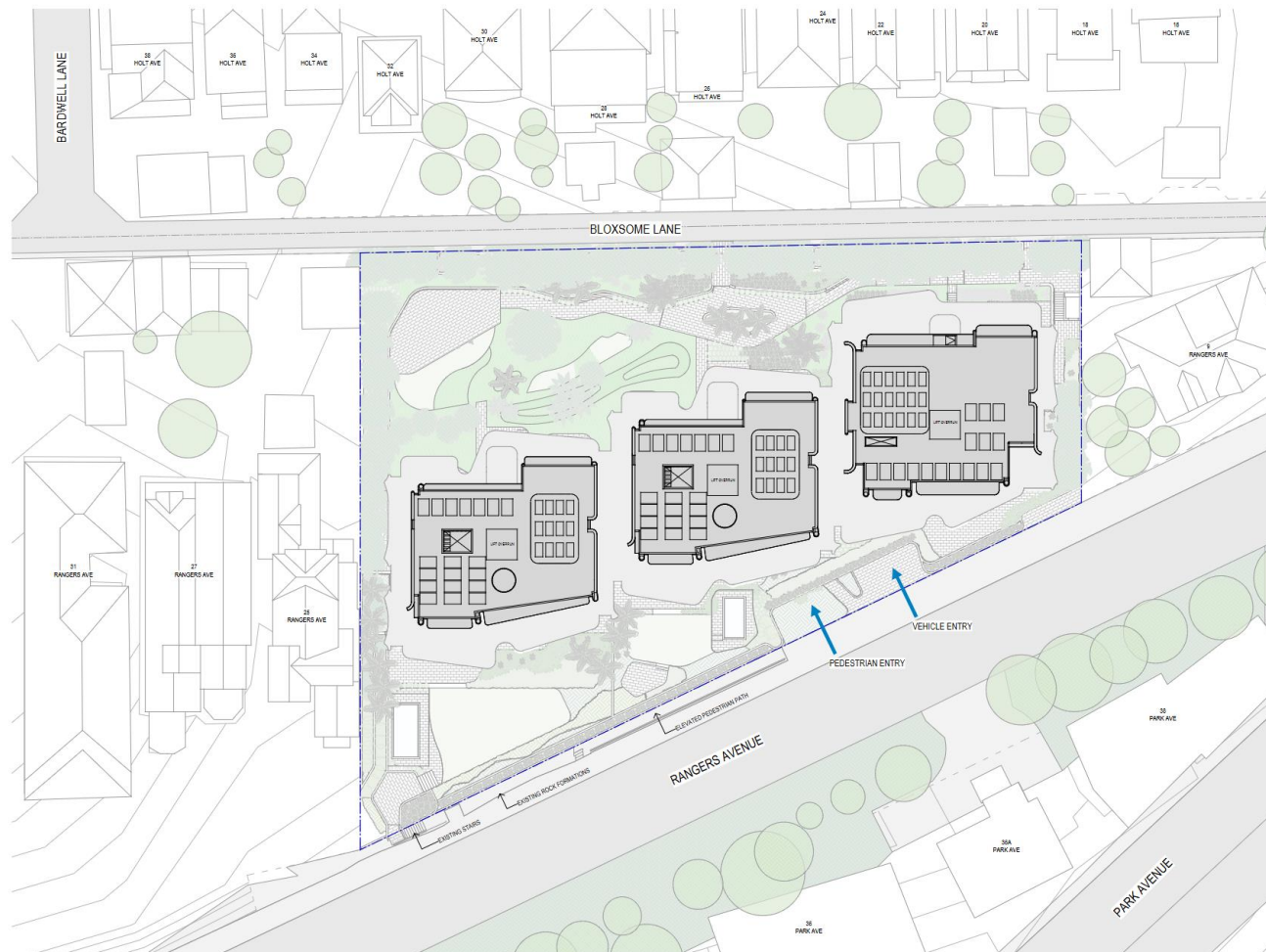


Figure 4: Proposed works – Basement

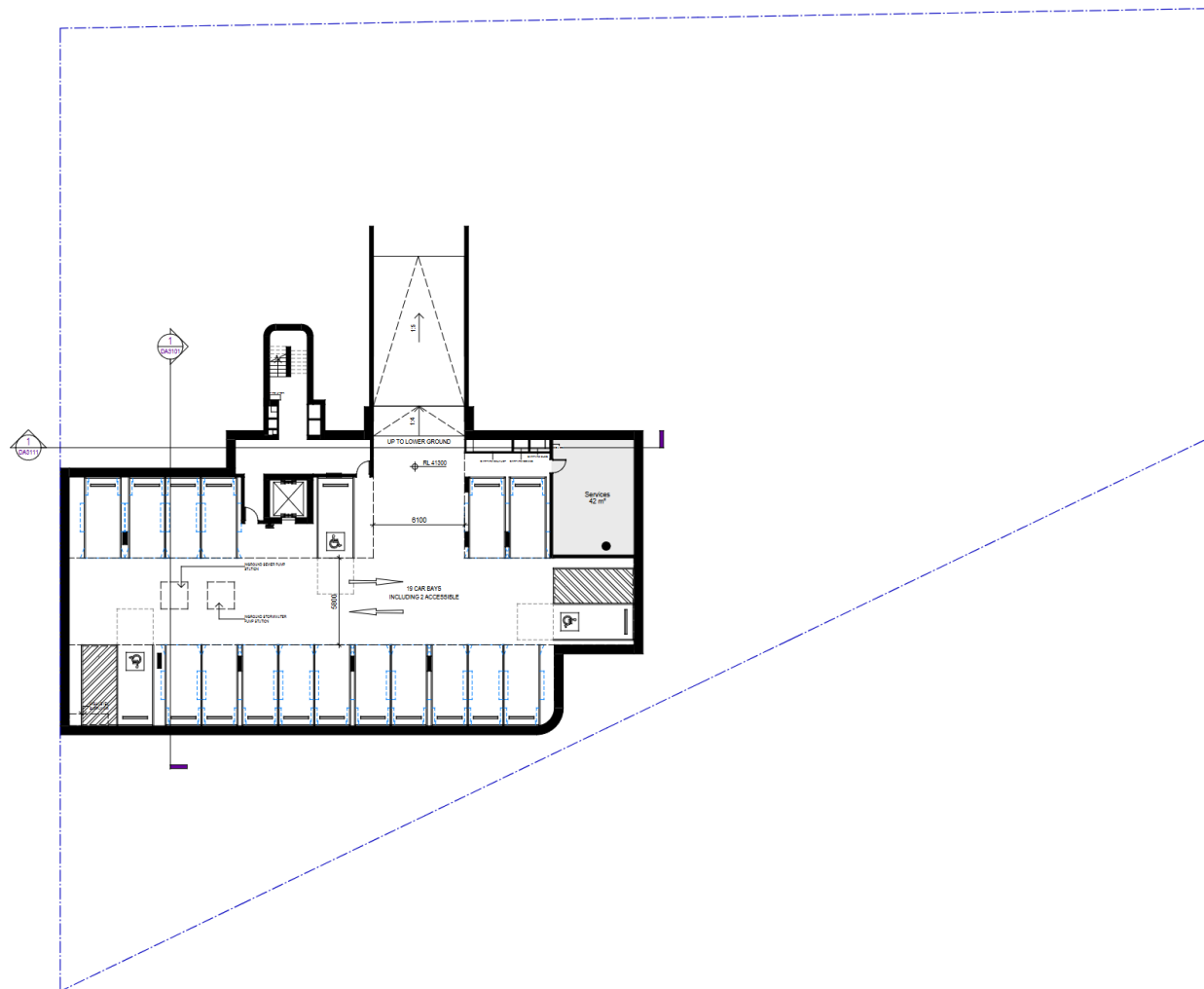
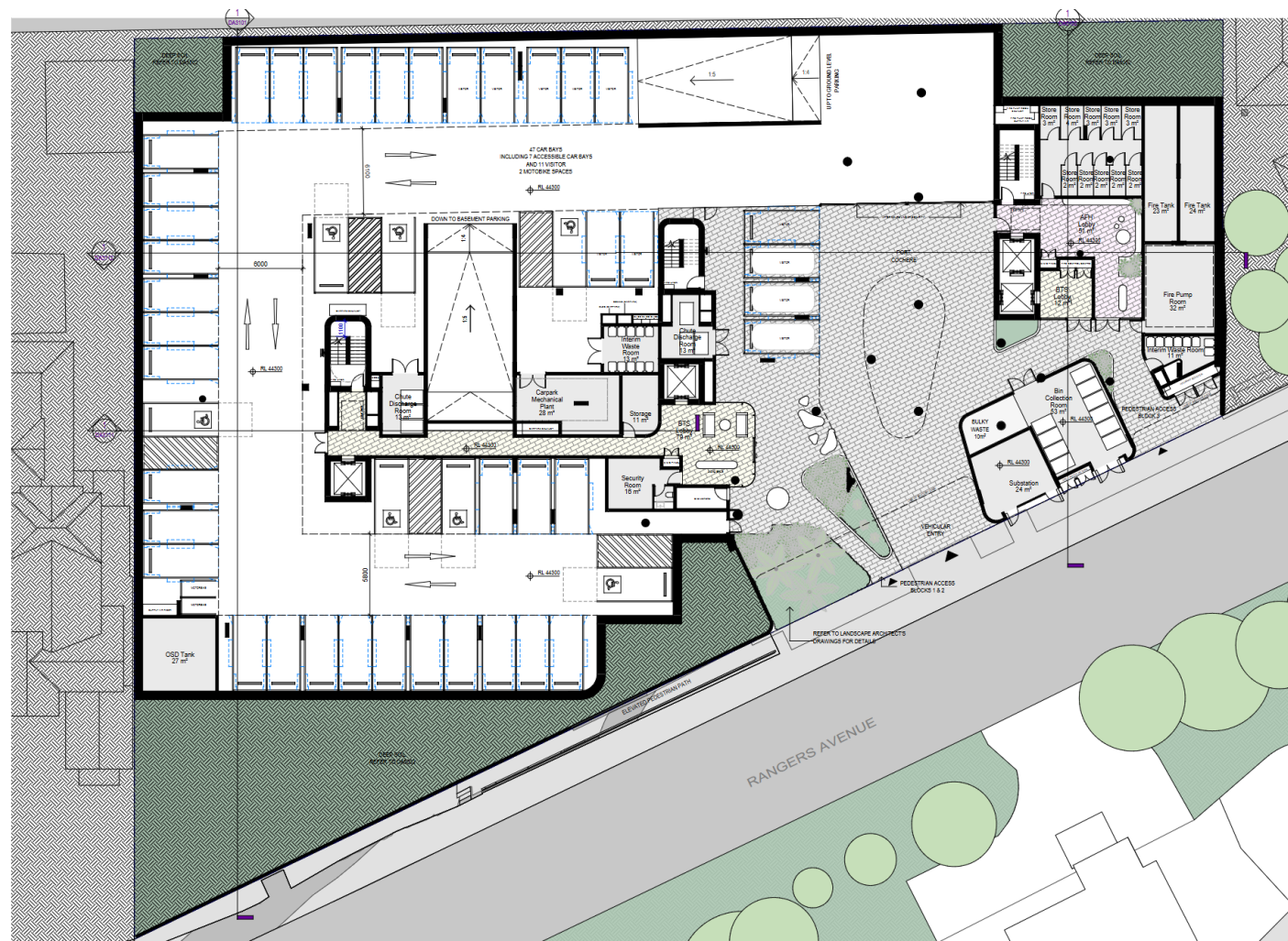


Figure 5: Proposed works – Lower ground level



W-B
WOODS BAGOT

Client
Eterno.

Project
11-23 Rangers Avenue
Mosman NSW 2088

Sheet title
LOWER GROUND - RANGERS AVENUE

Project no.
122117
Sheet no.
DA2009

Scale
1:125
Revision
A

Sheet size
A1
Date
05.11.2025

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2.0 BACKGROUND

2.1 Aboriginal Heritage Information Management System (AHIMS) search

NOTE: The location of Aboriginal sites is considered culturally sensitive information. It is advised that this information, including the AHIMS data appearing on the heritage map for the proposal be removed from this report if it is to enter the public domain.

A search of the AHIMS database (Client ID 1025788) was completed on 22 July 2025 for a search area measuring approximately 1.5km x 1.5km surrounding the study area (Figure 6). The parameters of this search were:

GDA 1994 MGA 56	335170 – 338170 m E 6253545 – 6256545 m N
Number of sites	42

A total of 42 registered Aboriginal sites were identified within the search area. There are no registered Aboriginal sites within the study area. The closest AHIMS site identified is AHIMS ID 45-6-1905 'Shell, Artefact', which was located approximately 220m south of the study area (Figure 7).

The AHIMS database records sites using a list of twenty standard site features, of which eight were found within the extensive search (OEH, 2012) summarised in Table 3. The most common site feature was 'Shell', which when taken in total consisted of 61.9% (n=26) of the search results. The second and third most common site features were 'Artefact' (n=22, 52.4%) and 'Art (Pigment or Engraved)' (n=18, 42.9%) respectively. The prevalence of 'Shell' sites within this region is logical given the coastal context of the region containing the study area, and the AHIMS results demonstrate that many of the registered sites in this area are concentrated along foreshore areas and on headlands. Furthermore, the study area is underlain by the Hawkesbury Sandstone geological formation, which contains sandstone platforms and overhangs that were suitable as shelter sites, and surfaces for engraved and pigmented artworks, and for sharpening stone tools. As such, the region around the study area would have provided suitable occupation sites for Aboriginal groups in offering shelter, material for tools and abundant marine resources for food (Attenbrow 2010, p. 43), and the data obtained from the AHIMS search reflects this extensive land use.

Table 3: Frequency of site features in AHIMS search results

Site Types	Frequency	Percentage (100%)
Art (Pigment or Engraved)	14	33.3
Artefact	1	2.4
Artefact, Shell	3	7.1
Habitation Structure, Shell	1	2.4
Potential Archaeological Deposit (PAD)	1	2.4
Shell	4	9.5
Shell, Artefact	14	33.3
Shell, Artefact, Art (Pigment or Engraved)	4	9.5
Total	42	100

Figure 6: AHIMS extensive search

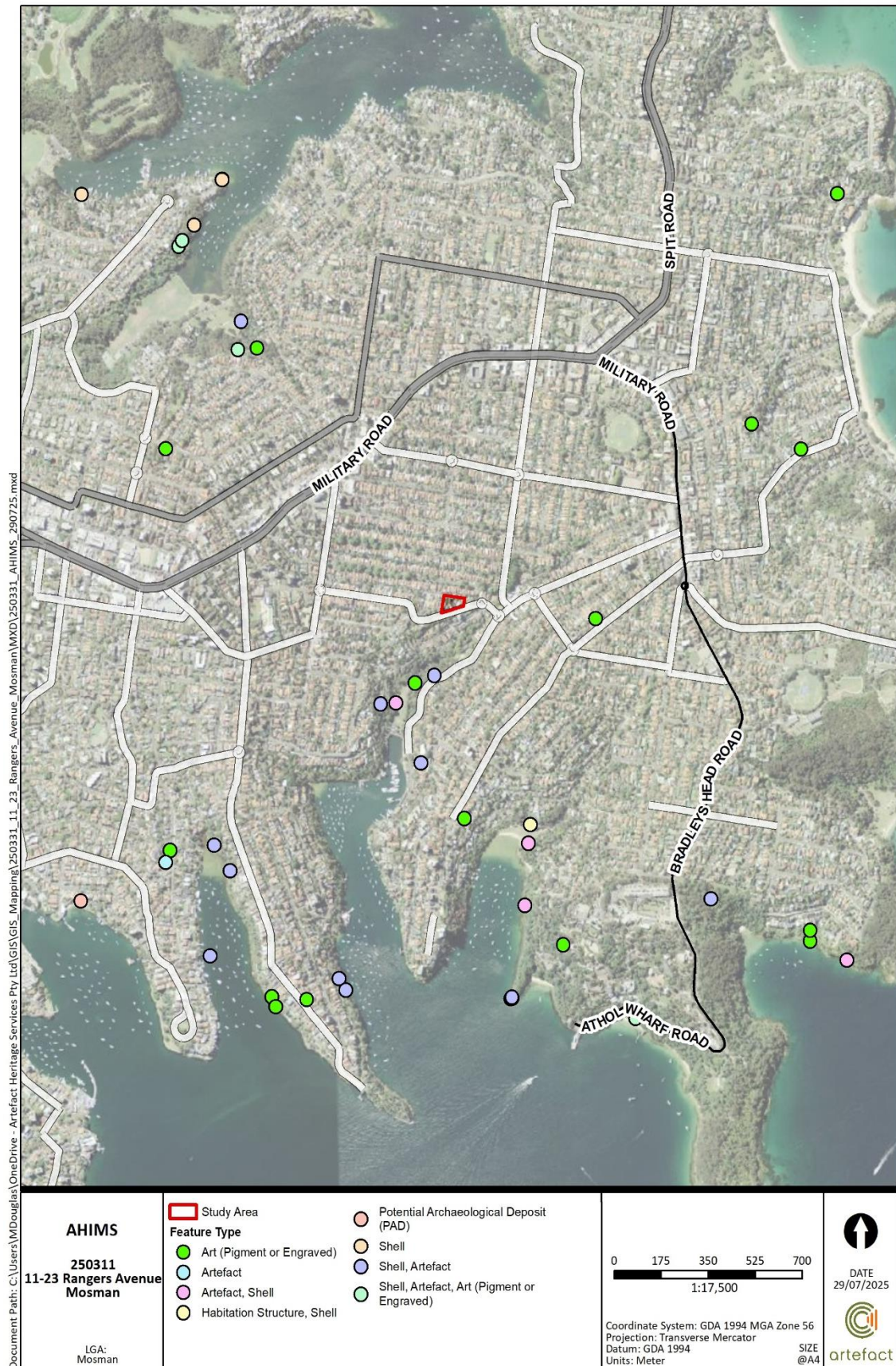
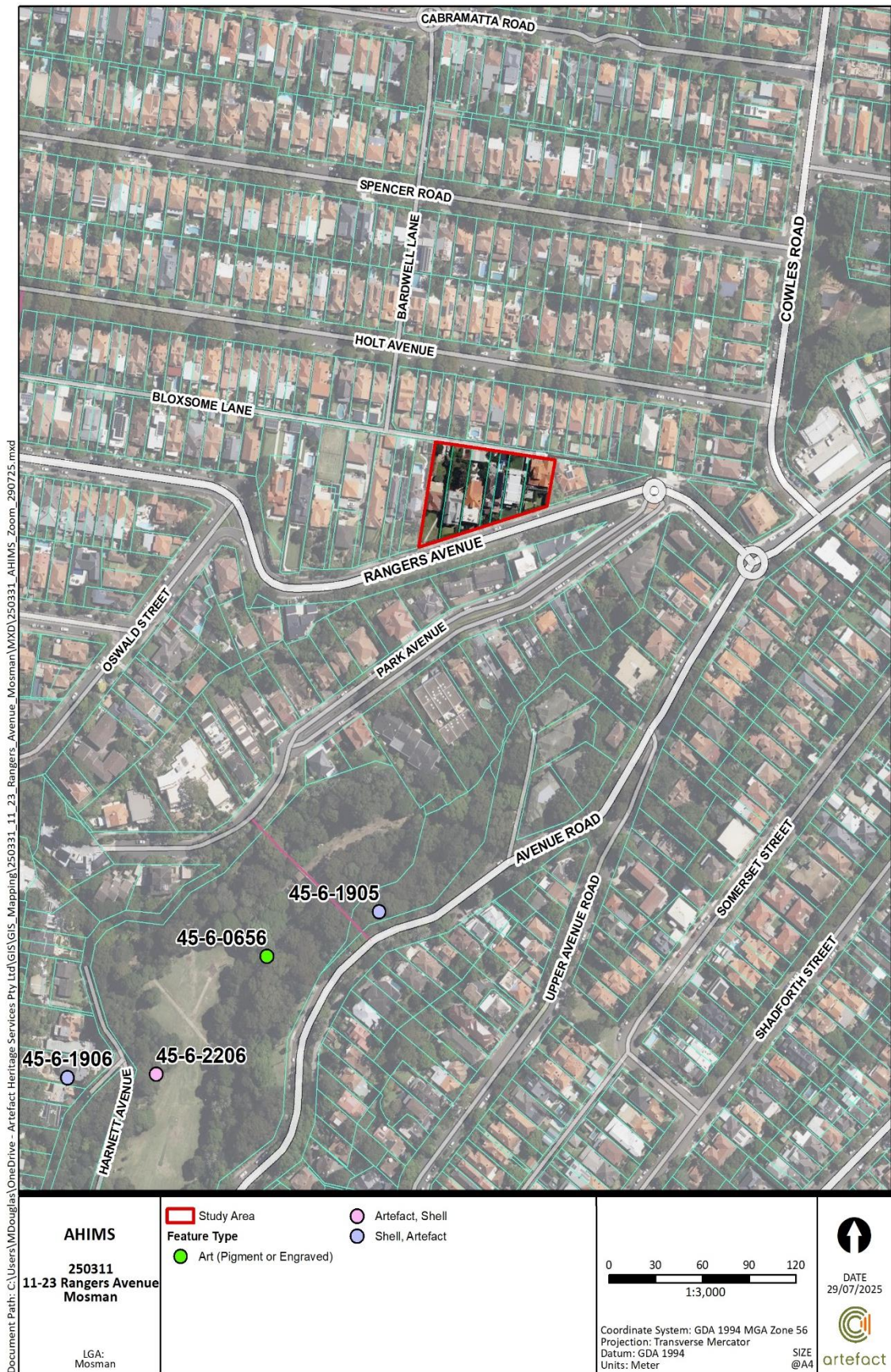


Figure 7: AHIMS detail search results



2.2 Environmental context

The following summary of the environmental context of the study area provides an overview of resources and landforms relevant to the study area. Environmental information is also useful when assessing whether archaeological remains of Aboriginal activities are likely to be present.

2.2.1 Soils and geology

The study area is primarily located within the Gymea soil landscape (Figure 8). Gymea soils consist of shallow to moderately deep (30-100cm) Yellow Earths and Earthy sands on the crests and insides of benches, and contain shallow to moderately deep (<100cm) Siliceous sands and leached sands along drainage lines. Gymea soils consist of loamy sand to sandy loam and are strongly to slightly acidic (4.5-6.0 pH). Sandstone, ironstone and charcoal fragments are common within the deposit. Gymea soils have contents of high organic matter. Aboriginal objects in subsurface deposits are most likely to be found in locations in the Gymea landscape where soil profiles are deeper, and where there has been less historical ground disturbance.

The study area is situated within a Hawkesbury Sandstone geological landscape, and a minimal section of the far-most southeast corner of the study area is located within the Hawkesbury soil landscape. This landscape consists of sandstone horizontal benches and broken scarps up to 10 metres high, overlaid by shallow soils (Colquhoun et al. 2024, eSPADE 2025). Although the Hawkesbury landscape typically contains raw material used by Aboriginal groups for stone toolmaking, manufacturing processes and provided an effective surface medium for producing art, these soils are susceptible to erosion which reduces the potential for archaeology as artefacts could have been redeposited or removed from the study area (Attenbrow 2010, p. 43). Furthermore, due to the acidic nature of the soils, organic artefacts are unlikely to have been preserved, meaning that any present Aboriginal objects would most likely be restricted to lithic artefacts.

2.2.2 Topography and hydrology

The natural topography of the study area and the region surrounding it consists of wide ridgetops, precipitous slopes, cliff faces and coastal headlands. The study area itself is located at the top of a wide ridgetop within 20m of a cliff face (southwards) that descends towards Reid Park and Mosman Bay marina (Figure 9). However, much of the land surrounding the study area has been modified by extensive residential and infrastructural developments, resulting in some artificial landscapes in the region, including flattening and terracing of slopes.

The study area is located approximately 100m north from an ephemeral creek that descends into Mosman Bay (located 450 metres south of the study area) (Figure 9). Four AHIMS sites: AHIMS ID 45-6-1905 'Shell, Artefact', AHIMS ID 45-6-0656 'Art (Pigment or Engraved)', AHIMS ID 45-6-1906 'Shell, Artefact', AHIMS ID 45-6-2206 'Artefact, Shell' and AHIMS ID 45-6-2123 'Shell, Artefact' are located in close proximity to the creek.

Figure 8: Soils landscape in relation to the study area

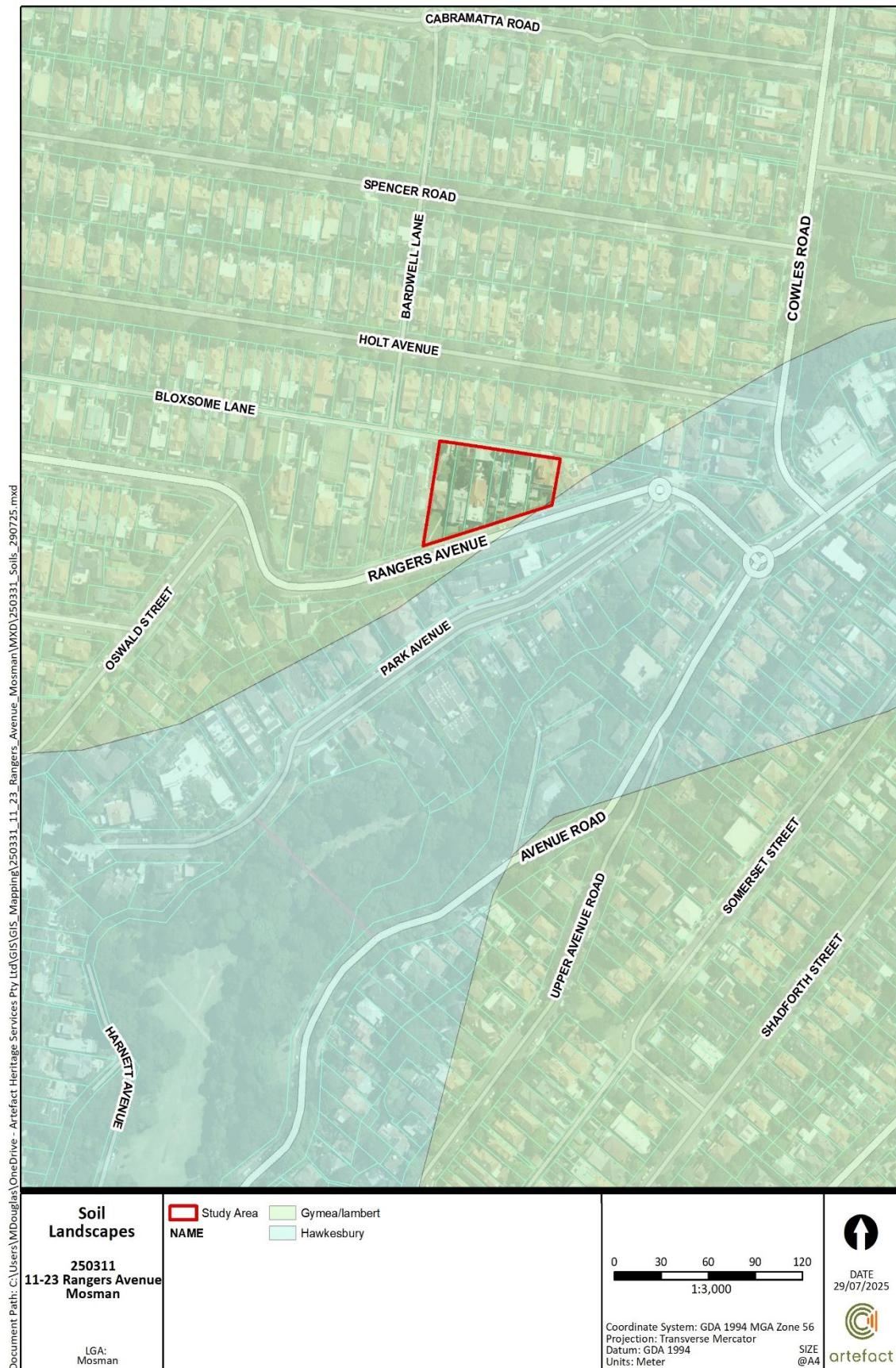
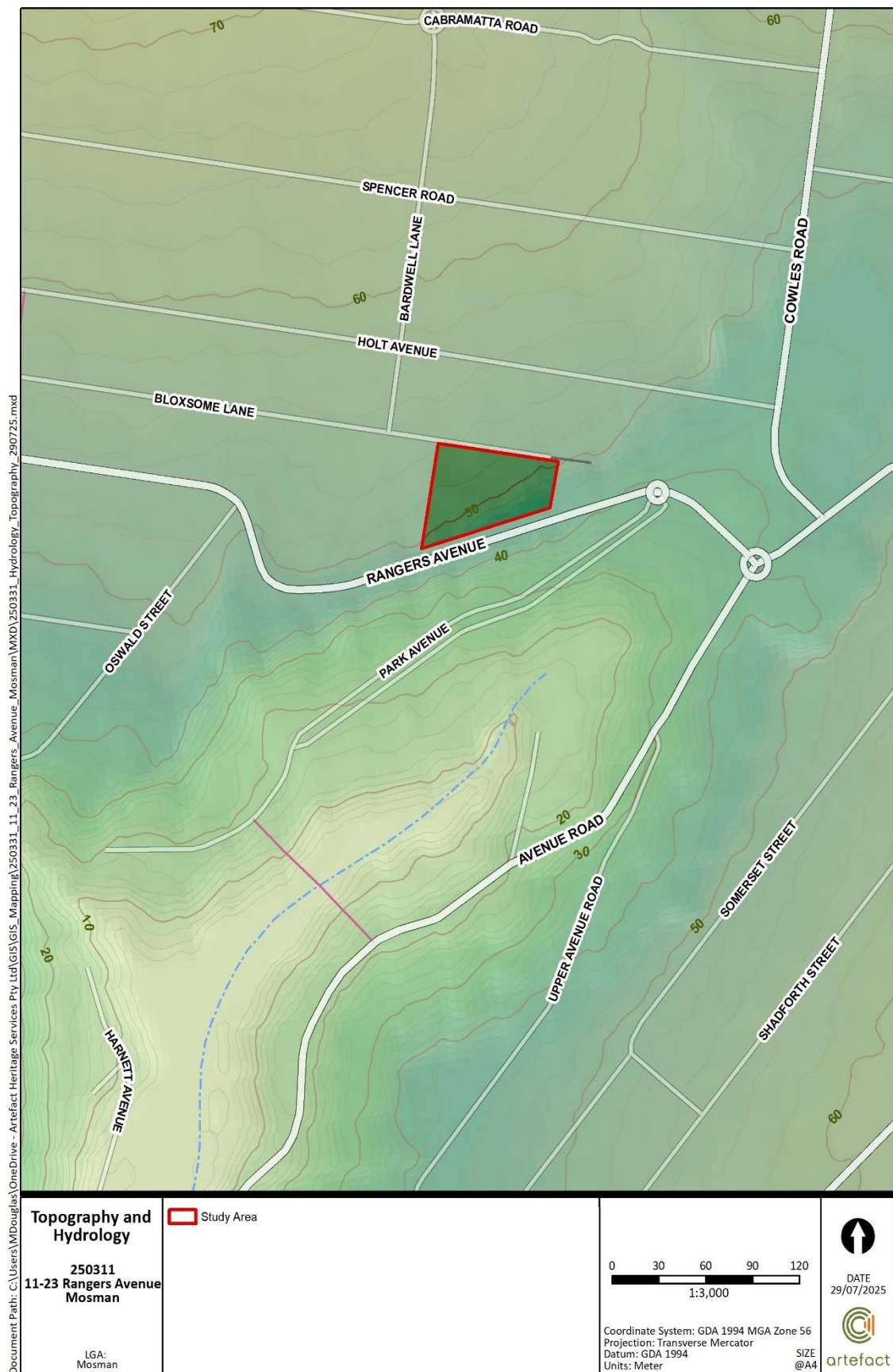


Figure 9: Topography and Hydrology in relation to the study area



2.3 Historical land disturbance

- 1930s – The study area and the region surrounding it had already been subject to dense residential development by the 1930s. Several properties with associated landscaping had been established within the study area (Figure 10)
- 1965 – In the 1960s, residential housing was present within all lots within the study area. Due to the poor quality of the 1930s aerial, it is unclear if any changes occurred within the study area by the 1960s, such as the construction of new residences or the modification of existing ones (Figure 11)
- 2002 – Despite the poor quality of the 2002 aerial, some properties appear to have been modified or extended, such as 11-19 Rangers Avenue, which had been extended to the south or largely modified (Figure 12).

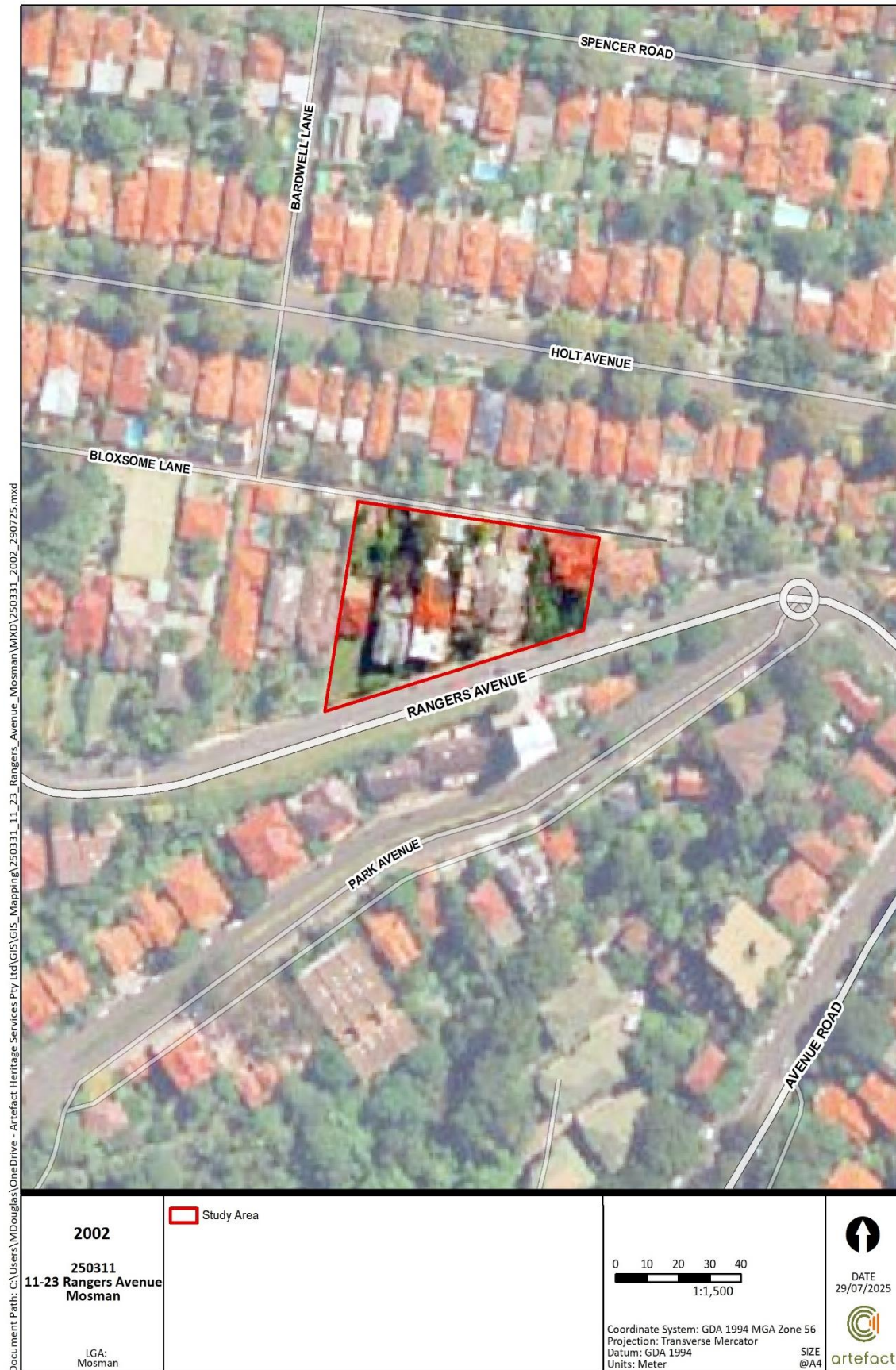
Figure 10: 1930 aerial overlay showing the study area had already been developed



Figure 11: 1965 aerial overlay showing potentially no change since the 1930s



Figure 12: 2002 aerial overlay showing modification or extensions to some properties within the study area



2.4 Previous Aboriginal archaeological assessments

Two previous Aboriginal archaeological assessments have been undertaken in close proximity to the study area, which are outlined below in Table 4.

Table 4: Previous archaeological studies

Author, title of study/Permit ID	Summary	Proximity to the study area (approximate)
Austral Archaeology Pty Ltd 2021, Mosman High School, Mosman NSW: Aboriginal Archaeological Report. Report to Multiplex on behalf of Schools Infrastructure NSW.	In 2021, Austral completed an Aboriginal Archaeological Report and an ACHAR as part of the development works at Mosman High School. The archaeological report identified no Aboriginal objects within their investigation area as the majority of the Mosman High School site was widely developed and disturbed from large scale earthworks and the creation of the school. Areas of exposure that were visible along the boundaries of the school were shown to have been previously disturbed by housing or contained redeposited materials.	740m northeast
Austral Archaeology Pty Ltd 2021, Mosman High School, Mosman NSW: Aboriginal Cultural Heritage Assessment. Report to Multiplex on behalf of Schools Infrastructure NSW.	The ACHAR identified the Mosman High School site possessed moderate historic significance to Aboriginal groups as, based on ethnographic records, the area is associated with numerous bays and Sydney Harbour. It was assessed that while it was unlikely to be a place of Indigenous occupation, it likely would have formed travel routes to and from the coast. However, since the establishment of the school and residential housing since the 1880s, any traces of Aboriginal cultural material have likely been removed due to significant subsurface disturbance. Austral determined that the Mosman High School site contains high social and spiritual significance due to its proximity to Balmoral Beach, which was recorded as a site of Aboriginal occupation, as well as for burials and ceremonies. Austral assessed that, based on the high levels of subsurface disturbance within the site, any Aboriginal objects have most likely been removed, and therefore there is very low potential for any to be present within the Mosman High School site.	

2.5 Summary

- No AHIMS sites have been identified within or in close proximity (200m) to the study area
- Aboriginal sites have been identified in close proximity to water, such as on the headlands and foreshore within the region
- There are numerous AHIMS sites in the region around the study area associated with sandstone shelters and platforms, which are abundant in this region of Sydney due to its position above the Hawkesbury Sandstone geological formation
- The study area has been subject to land modification and development since at least the 1930s. Previous archaeological assessment indicate development was as early as the 1880s in Mosman
- No previous archaeological assessments in close proximity to the study area have identified Aboriginal objects.

3.0 VISUAL INSPECTION

A visual inspection was completed 30 July 2025 by Sammuel Sammut and Neve Penklis of Artefact. The visual inspection examined the outdoor areas of the study area only.

The study area comprised of several properties 11 to 23 Rangers Ave, Mosman. The properties were located on a very steep slope made of natural sandstone which had been cut into and terraced to support the houses and road (Figure 13 and Figure 14). All exposed natural sandstone was inspected for engravings and markings.

Within the front of some properties, including No. 19 and No. 15, the natural sandstone was visible, and in some cases has been mechanically cut and worked (Figure 15 and Figure 16). However, at No. 17, it was less clear how much the natural sandstone had been impacted as disturbance was more localised (Figure 17). In most cases, the front of the properties and their side passages were covered in hard-surfaced areas, such as concrete or tiles, or a thin layer of garden soil/lawn (Figure 18 and Figure 19). These often contained underground services such as storm water drains (Figure 20 and Figure 21).

Within the rear of the properties, disturbance was more varied. Most properties had terracing in the backyard; however, it varied in depth (Figure 22 and Figure 23). Exposures of natural sandstone were identified in the far most northern sections of the properties with less disturbance, which potentially indicated the height of the natural slope (Figure 24). This was particularly evident at No. 23, which had the least amount of terracing and the most amount of exposed natural sandstone (Figure 25). Comparatively, some properties, such as No. 11 and No. 15 were completely covered in hard-surfaced areas or had a pool, meaning there were no exposures of natural sandstone (Figure 26). Some properties also contained a thin layer of garden topsoil (Figure 27). It was unclear whether there would be any remnant soils within the study area given the extent of disturbance. Visibility was generally low across the study area due the dense lawn beds and foliage. Thick foliage also obscured a large section of natural sandstone at the front of No. 17 (Figure 28).

No Aboriginal objects were observed on the exposed ground surfaces and no engravings or marking were observed.

Figure 13: Slope cuts in the natural sandstone and terracing (northwest view)



Figure 14: Slope cuts in the natural sandstone and terracing (northeast view)



Figure 15: Natural sandstone in the front of property (No. 19) (north view)



Figure 16: Natural sandstone in the front of property (No. 15) (west view)



Figure 17: Natural sandstone underneath the front of No. 17 (northeast view)



Figure 18: Front of No.11 showing terracing and significant disturbance (northeast view)



Figure 19: Front of No. 15 showing hard-surface areas (southeast view)



Figure 20: Hard-surface side passage with water drain (No. 19) (north view)

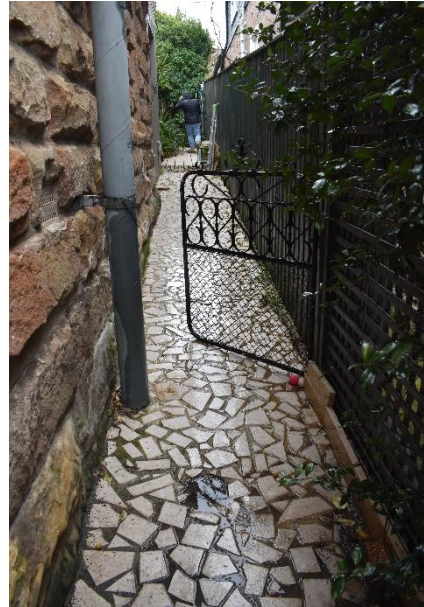


Figure 21: Storm drain within side passage (No. 17)



Figure 22: Significant terracing (No. 19) (northwest view)



Figure 23: Smaller terracing (No. 21) (southeast view)



Figure 24: Natural sandstone at rear of property (No. 23)



Figure 25: Natural sandstone exposed at rear of No. 23 (north view)



Figure 26: Significant disturbance and hard-surface/landscaped areas (No. 15) (north view)



Figure 27: Minimal exposures (No. 19)



Figure 28: Dense foliage obscuring a large amount of sandstone (No. 17) (east view)



4.0 ABORIGINAL POTENTIAL OF THE STUDY AREA

Archaeological potential is closely related to levels of ground disturbance. However, other factors are also taken into account when assessing archaeological potential, such as whether the area is within a landscape feature that is likely to indicate the presence of Aboriginal objects.

4.1 Landscape features that are likely to indicate the presence of Aboriginal objects

Particular landscape features in NSW are known to have been favoured locations for repeated or long-term occupation and, hence, more likely to retain archaeological evidence of past Aboriginal use. The Due Diligence Code of Practice identifies five landscape features that indicate the likely existence of Aboriginal objects, these include:

- *Within 200m of water, or*
- *Located within a sand dune system, or*
- *Located on a ridge top, ridge line, or headland, or*
- *Located within 200m below of a cliff face, or*
- *Within 20m of or in a cave, rock shelter, or cave mouth (Environment 2010)*

This due diligence identified that the study area possessed two of the five landscape features known to have the potential to contain Aboriginal objects, namely within 200m of water, and located 20m above of a cliff face (Table 5). The results of the AHIMS search and visual inspection reveal no registered AHIMS sites are located within the boundary of the study area.

Table 5: Due diligence landscape features of archaeological potential as they relate to the study area

Landscape Feature	Presence in study area
Within 200m of water	Yes. The study area is located within 100m north of an ephemeral creek which flows into Mosman Bay marina
Located within a sand dune system	No. The study area is not located within a sand dune system
Located on a ridge top, ridge line, or headland	No. The study area is not located on a ridge top, ridge line or headland
Located within 20m below or above of a cliff face	Yes. The study area is located within 20m above of a cliff face
Within 20m of or in a cave, rock shelter, or cave mouth (Environment 2010)	No. The study area is not located within 20m of or in a cave, rock shelter or cave mouth

4.2 Ground disturbance

Archaeological potential is closely related to levels of ground disturbance. However, other factors are also taken into account when assessing archaeological potential, such as whether artefacts were located on the surface, and whether the area is within a landscape feature that is likely to indicate the presence of Aboriginal objects. The Due Diligence Code of Practice defines disturbed land:

Sec 7.5 (4) For the purposes of this clause, land is disturbed if it has been the subject of human activity that has changed the lands surface, being changes that remain clear and observable.

This includes disturbed land via:

-
- (a) soil ploughing*
 - (b) construction of rural infrastructure*
 - (c) clearing of vegetation*
 - (e) construction of buildings and the erection of other structures*
 - (f) construction or installation of utilities and other similar services (such as above or below ground electrical infrastructure, water or sewerage pipelines, stormwater drainage and other similar infrastructure)*
-

Desktop assessment, historical aerials and visual inspection indicate the study area has been subject to significant ground disturbance. The natural slope has been significantly cut into and terraced to support the construction of residential buildings within the study area. Natural sandstone is present and, in some cases, exposed within the study area. However, no Aboriginal engravings or marks were identified. Machine cuttings in some areas of sandstone (such as at No. 19) were visible, demonstrating disturbance to the sandstone. It is unclear if there is potential for Aboriginal engraving or marks to be present where the natural sandstone has been less disturbed, such as under the front of No. 17 which has been subject to more localised disturbance, and a large amount of sandstone is obscured by foliage.

Due to the heavy land modification and disturbance in the area, it is unlikely for Aboriginal objects to be present as the extensive development of the study area is likely to have removed or destroyed any Aboriginal objects. However, the possibility of Aboriginal engravings or marks on the sandstone beneath the properties or in areas where visibility was obscured cannot be ruled out due to the significant amount of natural sandstone within the study area, its proximity to other recorded AHIMS sites and certain landscape features associated with the presence of Aboriginal objects. However, the overall potential is still considered to be low.

5.0 THE DUE DILIGENCE PROCESS

The Due Diligence Code of Practice provides a series of questions that must be answered to determine the outcome of the due diligence process. These questions are addressed in Table 6.

Table 6: Due Diligence questions and responses

Question	Answer	Comment
Will the activity disturb the ground surface or any culturally modified trees	Yes	Demolition and construction of a residential flat building, including infill affordable housing and basement car parking would significantly disturb ground surfaces within the study area. No culturally modified trees are present
Are there any: - Confirmed AHIMS records - Other sources of information - Landscape features	Yes	No AHIMS sites have been identified within the study area. The study area is located within 100m north of an ephemeral creek which flows into Mosman Bay marina and within 20m above a cliff face. However, a high degree of ground disturbance has been observed across several parts of the study area.
Can harm to Aboriginal objects be avoided	Yes	While it is considered unlikely that Aboriginal objects are present within the study area, there is some potential for sandstone engravings or markings to be present on buried sandstone platforms that have not been subject to significant levels of disturbance. However, this is as yet unconfirmed, and based on the development of the study area the potential is still considered to be low. Therefore, the proposed works would not result in harm to known Aboriginal objects.
Does a desktop assessment and visual inspection confirm the presence of Aboriginal objects, or that they are likely to be there	No	Although there is limited potential for Aboriginal engravings and markings to be present on less-disturbed buried sandstone surfaces, overall it is considered unlikely that Aboriginal objects are present.
Is further assessment required	No	While there is potential for engravings or markings to be present on buried or obscured sandstone platforms within the study area, this is considered unlikely. No further assessment is recommended, and works may proceed with caution.

6.0 CONCLUSION

The following conclusions and recommendations regarding Aboriginal heritage are based on consideration of:

- The *Planning Secretaries Environmental Assessment Requirements: Housing 21*. Aboriginal Cultural Heritage
- DECCW Due Diligence Code of Practice
- The results of the AHIMS search and visual inspection
- The likely impacts of the proposed development.

It was found that:

- No AHIMS registered sites are located within the study area
- The study area contains two landscape features known to contain Aboriginal objects
- The study area has been substantially developed since at least the 1930s
- Previous archaeological reports have not identified Aboriginal objects in close proximity to the study area, but any Aboriginal cultural material found would have moderate historical and high social and spiritual significance
- Substantial ground disturbance including slope cutting has occurred within the study area, and this has likely removed or destroyed any Aboriginal objects within the study area. The potential for Aboriginal engravings or markings on the sandstone beneath the properties or in areas where visibility was obscured cannot be ruled out, but overall the potential is considered to be low.

The following recommendations are therefore made:

- The study area does not contain Aboriginal objects. It is recommended that no further Aboriginal heritage assessment or investigation are required, no Aboriginal Cultural Heritage Assessment Report is needed to fulfill the project SEARs, and the proposed works may proceed with caution
- This Due Diligence assessment does not constitute consent to harm Aboriginal objects nor it is a 'site clearance' mechanism to allow activities to occur in an area where Aboriginal objects are likely or known to be present
- An Unexpected Finds Procedure (UFP) is to be implemented for the duration of the works.

7.0 REFERENCES

Attenbrow 2010, *Sydney's Aboriginal Past: Investigating the archaeological historical records*, (UNSW Press: Sydney).

Austral Archaeology Pty Ltd 2021, Mosman High School, Mosman NSW: Aboriginal Cultural Heritage Assessment. Report to Multiplex on behalf of Schools Infrastructure NSW.

Austral Archaeology Pty Ltd 2021, Mosman High School, Mosman NSW: Aboriginal Archaeological Report. Report to Multiplex on behalf of Schools Infrastructure NSW.

Colquhoun, GP, Hughes, KS, Deyssing, L, Ballard, JC, Folkes, CB, Phillips, G, Troedson, AL & Fitzherbert, JA 2024, *New South Wales Seamless Geology dataset, version 2.4 [Digital Dataset]*. Geological Survey of New South Wales, Department of Regional NSW, Maitland.

Department of Environment Climate Change and Water 2010a, *Code of Practice for the Protection of Aboriginal Objects in New South Wales*, DECCW, Sydney

NSW Government 2025, 'Gymea', eSPADE,
<https://www.environment.nsw.gov.au/Salisapp/resources/spade/reports/9030gy.pdf>

NSW Government 2025, 'Hawkesbury', eSPADE,
<https://www.environment.nsw.gov.au/Salis5app/resources/spade/reports/9030lu.pdf>

NSW Government 2025, Historical Imagery Viewer,
<https://portal.spatial.nsw.gov.au/portal/apps/webappviewer/index.html?id=f7c215b873864d44bccddda8075238cb>

APPENDIX A: AHIMS EXTENSIVE SEARCH



AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 11-23 Rangers Ave, Mosman

Client Service ID : 1025788

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-0267	Mosman;	AGD	56	337682	6255487	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell							
45-6-0272	Robertson's Point Cremorne	GDA	56	336129	6253645	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	597
	Contact	Recorders	Charles.D Power,Aboriginal Heritage Office							
45-6-0273	Cremorne Point Shell Cove	GDA	56	335999	6253655	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Charles.D Power,Aboriginal Heritage Office							
45-6-0274	Cremorne Point Crows Nest	GDA	56	336249	6253720	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office							
45-6-2816	Little Fish Park Midden	AGD	56	336858	6254073	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell	Recorders	Matthew Kelleher							
45-6-0640	Mosman-Sydney	GDA	56	335604	6255590	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office							
45-6-1959	Taronga Zoo Cave;Mosman;	AGD	56	336980	6253650	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Michael Guider							
45-6-1701	Little Sirius Cove Midden;	AGD	56	336837	6253788	Closed site	Valid	Artefact : -, Shell : -	Midden,Shelter with Deposit	1293,2025
	Contact	Recorders	Val Attenbrow,A.K Morris							
45-6-2068	Shell Cove 2	GDA	56	335784	6254190	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office							
45-6-0885	Mosman;Folly Point;	AGD	56	335710	6256350	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	Contact	Recorders	Val Attenbrow,Michael Guider							
45-6-0907	Primrose Park,2;Cammeray;	GDA	56	335653	6256306	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	1809
	Contact	Recorders	Val Attenbrow,Michael Guider,Mr.Matthew Kelleher,Kelleher Nightingale Consultin							
45-6-2069	Shell Cove 1	GDA	56	335844	6254100	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office							
45-6-0641	Crows Nest;Neutral Bay;	AGD	56	335516	6253982	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	ASRSYS							
45-6-2143	Cremorne Point West (duplicate copy 45-6-0273 and 45-2-0274)	GDA	56	335770	6253800	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,1911
	Contact	Recorders	W.D Campbell,Aboriginal Heritage Office							

Report generated by AHIMS Web Service on 22/07/2025 for Neve Penklis for the following area at Datum :GDA, Zone : 56, Eastings : 335170.0 - 338170.0, Northings : 6253545.0 - 6256545.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 42

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

Your Ref/PO Number : 11-23 Rangers Ave, Mosman
Client Service ID : 1025788

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-2323	Birds Nest Cave;Clifton Gardens;	AGD	56	337530	6253810	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-0736	Mosman;Edward's Beach;	AGD	56	338000	6256300	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,I.M Sim					Permits		
45-6-0908	Primrose Park_1;Cammeray	GDA	56	335666	6256325	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Midden	1809
	Contact	Recorders	Michael Guider,Mr.Matthew Kelleher,Kelleher Nightingale Consulting Pty Ltd (Gen					Permits	860,5357	
45-6-2061	Red Shield Cave;	AGD	56	335910	6253430	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809
	Contact	Recorders	Michael Guider					Permits		
45-6-1899	Chowder Head 2	AGD	56	338036	6253594	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-1906	Reid Park 1;Mosman;	AGD	56	336300	6254500	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-2963	Shell Cove Rd NSW NSC-070	GDA	56	335604	6254130	Open site	Valid	Artefact : -		
	Contact	Recorders	Mr.Phil Hunt,Aboriginal Heritage Office					Permits		
45-6-3046	Mortlock Reserve 1	GDA	56	335814	6256540	Open site	Valid	Shell : -		
	Contact	Recorders	Aboriginal Heritage Office					Permits		
45-6-2064	Little Sirius Point 1 SWD	GDA	56	336890	6253649	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	Contact	Recorders	Michael Guider,Mr.Mike Job					Permits		
45-6-1350	Kings Cave Cremorne	GDA	56	335874	6255940	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	
	Contact	Recorders	Val Attenbrow,Unknown Author,Aboriginal Heritage Office					Permits		
45-6-0656	Mosman Bay	AGD	56	336428	6254573	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Val Attenbrow,Margrit Koettig					Permits		
45-6-0674	Bradley's Head;Taylor's Bay;	AGD	56	337900	6253662	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Brown					Permits		
45-6-1702	Little Sirius Cove Midden	GDA	56	336955	6254198	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1293,1809,2025
	Contact	Recorders	Val Attenbrow,A.K Morris,Mr.Mike Job					Permits		
45-6-2063	Little Sirius Point Midden	GDA	56	336895	6253651	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,2025
	Contact	Recorders	Michael Guider,Mr.Mike Job					Permits		

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

Your Ref/PO Number : 11-23 Rangers Ave, Mosman

Client Service ID : 1025788

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-2206	Reid Park 3;Mosman;	AGD	56	336357	6254502	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	Contact	Recorders	Michael Guider					Permits		
45-6-0740	Mosman;Balmoral;	AGD	56	337866	6255399	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-0925	Brightmore St Reserve Cremorne	GDA	56	335944	6255945	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-0658	Crows Nest;Avenue Rd;	AGD	56	336611	6254095	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-0028	Taylor's Bay;Chowder Head;	AGD	56	337900	6253700	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-3580	Cowdroy Midden 1 (NSC-085)	GDA	56	335291	6256487	Open site	Valid	Shell : 100		
	Contact	Recorders	Mr.Phil Hunt					Permits		
45-6-2065	Little Sirius Point 2 SWD	GDA	56	336893	6253654	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	Contact	Recorders	Margrit Koettig,Michael Guider,Mr.Mike Job					Permits		
45-6-1905	Reid Park 2;Mosman;	AGD	56	336500	6254600	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-2121	Cremorne Pt. 3;	AGD	56	336170	6253490	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2123	The Barn Cave;Mosman;	AGD	56	336450	6254290	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	2025
	Contact	Recorders	Michael Guider					Permits		
45-6-2130	Athol Bay Cave;Mosman;Taronga Park Zoo;	AGD	56	337250	6253390	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-2141	Little Wonga Road, Cremorne.	AGD	56	335780	6255850	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,1911
	Contact	Recorders	Val Attenbrow					Permits		
45-6-3126	Primrose Park 3	GDA	56	335710	6256380	Open site	Valid	Shell : -		
	Contact	Recorders	Mr.Phil Hunt					Permits		
45-6-4139	Wycombe PAD 01	GDA	56	335288	6253993	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Artefact Heritage and Environment - Pyrmont,Mr.Kieran Murray					Permits	5376	

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

Your Ref/PO Number : 11-23 Rangers Ave, Mosman
Client Service ID : 1025788

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
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** Site Status Valid - The site has been recorded and accepted onto the system as valid Destroyed - The site has been completely impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There is nothing left of the site on the ground but proponents should proceed with caution. Partially Destroyed - The site has been only partially impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There might be parts or sections of the original site still present on the ground Not a site - The site has been originally entered and accepted onto AHIMS as a valid site but after further investigations it was decided it is NOT an aboriginal site. Impact of this type of site does not require permit but Heritage NSW should be notified
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