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URBIS

ABORIGINAL CULTURAL HERITAGE ASSESSMENT

Taronga Wildlife Hospital,
Taronga Zoo, Mosman, NSW,
Cammaraigal Country.

Prepared for

TARONGA CONSERVATION SOCIETY AUSTRALIA

17 August 2022

7

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CONTENTS

Executive Summary.....	1
1. Introduction	1
1.1. Background	4
1.2. Proposed Activity	4
1.3. Location and Description of the Subject Area	9
1.4. Statutory Controls	12
1.4.1. Response to SEARs.....	12
1.4.2. Mosman Local Environmental Plan (LEP) 2012	12
1.4.3. Mosman Development Control Plan (DCP) 2012	13
1.5. Objectives	13
1.6. Authorship.....	14
2. Archaeological Context.....	16
2.1. Aboriginal Archaeological Background	16
2.2. Aboriginal Heritage Information Management System (AHIMS)	16
2.3. Regional Archaeological Context.....	21
2.4. Local Archaeological Context	21
2.4.1. Taronga Zoo	21
GML, 2004. Taronga Zoo Archaeological Management Plan	21
Urbis, 2020. Aboriginal Cultural Heritage Assessment, Upper Australia Precinct, Taronga Zoo.	23
Dominic Steele Consulting Archaeology (DSCA), 2017. Aboriginal Archaeological Assessment – Taronga Zoo, Savannah & Congo Precincts.	23
2.4.1.1. Mosman.....	23
2.5. Summary.....	28
3. Environmental Context.....	29
3.1. Geology and Soils.....	29
3.1.1. Geotechnical Analysis	29
3.2. Hydrology	32
3.3. Vegetation and Resources	33
3.4. Landform.....	35
3.4.1. Landform Summary	37
3.5. Environmental Context Summary	38
4. Historical Context.....	39
4.1. Past Aboriginal Land Use	39
4.2. European History	40
4.3. Historical Aerial Analysis	42
4.4. Summary of Disturbance	43
5. Predictive Model.....	45
5.1. Summary.....	51
6. Consultation Process	52
6.1. Stage 1: Notification of Project Proposal and Registration of Interest.....	52
6.1.1. Government Organisation Contact.....	52
6.1.2. Registration of Interest	52
6.1.3. Public Notice.....	53
6.2. Stage 2: Presentation of Information about the Project.....	53
6.3. Stage 3: Gathering Information About the Proposed Project	54
6.4. Site Inspection	56
6.5. Project Update	56
6.6. Stage 4: Review of Draft ACHA Report.....	56
7. Site Survey	58
7.1. Preliminary Site Survey	58

7.2.	Stage 2 and Stage 3 Site Survey.....	59
7.2.1.	Survey Unit 1 - Back of House Area.....	60
7.2.2.	Survey Unit 2 - Existing Reptile House (Serpentaria, c.1993)	60
7.2.3.	Survey Unit 3 - Natural Vegetation Area	61
7.3.	Survey Summary	62
8.	Cultural Heritage Values and Statement of Significance	64
8.1.	Methods of assessing Heritage Significance	64
8.2.	Assessment Framework	64
8.2.1.	Social or cultural value	64
8.2.2.	Historic value	64
8.2.3.	Scientific (Archaeological) value	65
8.2.4.	Aesthetic value	65
8.3.	Identifying values	65
8.4.	Assessing Values and Significance	66
8.4.1.	Assessment of Cultural Heritage Significance and Values	66
8.4.2.	Assessment of Scientific (Archaeological) Significance.....	67
8.5.	Assessment of Values and Significance.....	67
9.	Impact Assessment.....	69
9.1.	Potential Harm	69
9.2.	Likely Impacted Values	69
9.3.	Justification	69
10.	Avoiding and Minimising Harm	71
11.	Conclusions and Recommendations	72
12.	Bibliography	74
	Disclaimer.....	75
Appendix A	Concept Plans	
Appendix B	Basic & Extensive AHIMS Results	
Appendix C	Consultation Documents	
Appendix D	Consultation Log	

FIGURES

Figure 1 – General arrangement plan of level 1 for the proposed Wildlife Hospital.....	5
Figure 2 – Close up section views of the proposed Wildlife Hospital.....	6
Figure 3 – Close up section views of the proposed Wildlife Hospital.....	7
Figure 4 – Close up section views of the proposed Wildlife Hospital.....	8
Figure 5 – Regional location.....	10
Figure 6 – Location of the subject area.	11
Figure 7 – Historical heritage constraints.	15
Figure 8 – AHIMS search results (Client Service ID: 693990).....	16
Figure 9 – Registered Aboriginal sites in search area.....	19
Figure 10 – Registered Aboriginal sites in search area.....	20
Figure 11 – Aboriginal Archaeological Management Zones.	23
Figure 12 – Geotechnical Investigation – Borehole locations.	32
Figure 13 – Soils landscapes and hydrology.....	34
Figure 14 – Landform type	36
Figure 15 – Landform pattern.	37
Figure 16 – Dromedary Camel enclosure, undated.	41

Figure 17 – Elevation of Dromedary camel enclosure indicating extent of sub-surface disturbance associated with gate and fenceline.....	41
Figure 18 – Elevation of hospital building with extent of ground disturbance indicated with dotted line.....	41
Figure 19 – 1969 survey indicating the location of structures within the subject area including the Camel enclosure, hospital, bird enclosure and incinerator. The eastern component of the subject area remained vegetated at this time.	42
Figure 20 – Historic Aerials.	44
Figure 21 – coverage by existing exhibits.	58
Figure 22 – Sandstone outcrop within the subject area.	58
Figure 23 – Sandstone outcrop within the subject area.	58
Figure 24 – Low visibility due to back of house facilities including asphalt coverage.	58
Figure 25 – Site plan. Approximate location of subject area outlined in dark blue. Survey unit 1 indicated in pink, survey unit 2 indicated in blue and survey unit 3 indicated in yellow.	59
Figure 26 –General view, back of house area, with services evident. Aspect: north.	60
Figure 27 – Building cut into modified landscape. Aspect: south.	60
Figure 28 – Existing chimpanzee night house facility. Aspect: east.....	60
Figure 29 – Back of house facility. aspect: south.	60
Figure 30 – Rear of existing reptile house with services evident. Aspect: south.	61
Figure 31 – Existing reptile house with excavated enclosure. Aspect: west.	61
Figure 32 – Natural sandstone with mock rock intrusion (to be removed). Aspect: north.....	62
Figure 33 – Natural sandstone ledge to the north of Crocodile enclosure. Aspect: east.	62
Figure 34 – Rock outcrops and unmodified vegetation. Aspect: west.	62
Figure 35 – Rock outcrops and unmodified vegetation, with Koala Walkabout footpath to right of frame. Aspect: north.	62

TABLES

Table 1 – SEARs and relevant report sections	12
Table 2 – AHIMS search results (Client Service ID: 693990)	17
Table 3 – Management Zones.....	22
Table 4 – Summary of previous publications relevant to the Mosman regional archaeological context.....	25
Table 5 – Geotechnical Investigation Results	29
Table 6 – Landform definitions	35
Table 7 – Analysis of historical aerials	42
Table 8 – Indicative process of determining the likelihood of a given site occurring within a subject area.....	45
Table 9 – Predictive Model.....	47
Table 10 – Contacted Organisations.....	52
Table 11 – Stage 1 Consultation – Registration of Interest.....	53
Table 12 – Response to Stage 2 and 3 documents	55
Table 13 – Stage 3 Site Visit – Attendees	56
Table 14 – RAP feedback and Urbis reply during Stage 4 Draft ACHAR review.....	57
Table 15 – Scientific (archaeological) significance criteria.....	65
Table 16 – Assessment of Values and Significance	67

EXECUTIVE SUMMARY

Urbis has been commissioned by Taronga Conservation Society Australia (Taronga) (the Proponent) to produce an Aboriginal Cultural Heritage Assessment Report (ACHAR) in accordance with the Secretary's Environmental Assessment Requirements (SEARs) for the State Significant Development (SSD-33211326) for the site of the proposed Taronga Wildlife Hospital at Taronga Zoo, 2A Bradleys Head Road, Mosman, NSW (hereafter referred to as 'the subject area'), (see Figure 5 and Figure 6).

This ACHAR will accompany an Environmental Impact Statement (EIS) for the proposed works. The proposed works will include the demolition of existing facilities including c.1993 Serpentaria, and the construction of new Wildlife Hospital facilities including public and restricted access areas.

The ACHAR concluded that:

- No Aboriginal objects and/or places are registered on the Aboriginal Heritage Information Management System (AHIMS) within the subject area or within proximity.
- The subject area is within management zones 3, 4 and 5 on the GML 2004 AMP for the wider Taronga Zoo. The majority of the subject area is zoned as 'Areas which has previously been excavated down to bedrock, or culturally sterile soil profiles' and 'Areas heavily modified by European development'. A portion proposed for public domain works is zoned as 'Rock Surfaces unmodified by European Development' and 'Areas of original bushland unmodified by European Development'.
- The subject area sits upon the Gynea/Lambert soil landscape, which contains mixed sandy soils to a depth of approximately 30-100cm. However, the geotechnical investigation identified no natural soils within boreholes across the subject area.
- The subject area is upon the top of the Bradley's Head peninsula, with the wider zoo surrounded by Port Jackson to the west and south. Taylor's Gully is approximately 450m east of the subject area.
- The subject area is upon a crest which slopes to the south and west.
- The predictive model has identified that, resulting from historic disturbance activities and the existing environmental context, there is **low-moderate** Aboriginal archaeological potential across the subject area.
- The existing back of house and reptile house areas are highly disturbed. No further archaeological investigation is deemed necessary in these areas.
- The remnant area of natural vegetation is largely undisturbed and as such archaeological potential is retained. The remnant area of natural vegetation is also culturally significant as one of the only remaining areas of natural undisturbed land within the Zoo boundaries, with specific significance noted associated with crevices in rock outcrops.
- Landscaping including the proposed elevated pathway connections to the site are highly supported to allow visitors to immerse themselves in the natural environment. This should be supported by interpretation plaques across the footpath which detail the Aboriginal history of the area as well as providing information on native vegetation.
- This assessment has identified low archaeological potential across the majority of the subject area, with the exception of the area of remnant natural vegetation which contains moderate archaeological potential. Should subsurface archaeological deposits be located in this area, they may be impacted by the proposal which includes landscaping works.
- Comments received in response to the draft ACHA from RAPs agreed with the methodology employed for the ACHA and endorsed the above conclusions and recommendations.

On the basis of these conclusions, Urbis recommends the following:

Recommendations for the Area of Remnant Natural Vegetation

1. **No major work.** Urbis recommends that no major works be undertaken in the area of remnant vegetation. Minor landscaping works can proceed including installation of elevated walkway, so long as the sandstone outcrops and platforms within the area are avoided and not impacted in the development.

2. **Sandstone outcrops and platforms.** The sandstone outcrops and platforms should be thoroughly inspected when it is safe to do so (following the closure of animal exhibits) by archaeologists and RAPs. While no impacts are proposed to these features, they should be thoroughly inspected to identify any cultural markings which may occur, which could then form part of an interpretation strategy.
3. **Interpretation strategy.** Landscaping works should give consideration for the inclusion of an interpretation strategy which details the Aboriginal history of the subject area and provides information on the natural landscape of the area. This strategy should be developed by a suitably qualified consultant in consultation with the Taronga Aboriginal Advisory Group.
4. **Archaeological monitoring.** The installation of footings for the walkway should be monitored by a suitably qualified archaeologist and RAPs, with the material removed from each footing location to be sieved through a 5mm sieve. Should Aboriginal objects be identified, works should stop immediately, and the methodology revised. Test excavation is not recommended at this stage as this would constitute a greater impact than the proposed footings.

Recommendations for the Remainder of the Subject Area

1. **Aboriginal Cultural Heritage Induction.** It is recommended that induction materials be prepared in consultation with the Registered Aboriginal Parties (RAPs) for inclusion in the construction management plan and site inductions for any contractors working at the subject area. The induction material should include an overview of the types of sites and artefacts to be aware of (i.e. stone tools, concentrations of shells that could be middens and rock engravings and grinding grooves), under the NPW Act, and the requirements of an 'archaeological chance find procedure' (refer below). This should be prepared for the project and included in any site management plans.
2. **Archaeological Chance Find Procedure.** Although considered highly unlikely, should any Aboriginal objects, archaeological deposits be uncovered during any site works, a procedure must be implemented. The following steps must be carried out:
 - 2.1. All works stop in the vicinity of the find. The find must not be moved 'out of the way' without assessment. The area must be cordoned-off and signage installed to avoid any accidental impact
 - 2.2. The archaeologist and Aboriginal representative on site examine the find, provides a preliminary assessment of significance, records the item for the AHIMS register and decides on appropriate management. Such management may require further consultation with the Aboriginal Cultural Heritage Regulation Branch of the Department of Premier and Cabinet (DPC), preparation of a research design and archaeological investigation/salvage methodology and decision on temporary care and control.
 - 2.3. Depending on the significance of the find, reassessment of the archaeological potential of the subject area may be required, and further archaeological investigation undertaken.
 - 2.4. Reporting may need to be prepared regarding the find and approved management strategies. Any such documentation should be appended to this ACHAR and revised accordingly.
 - 2.5. Works in the vicinity of the find can only recommence when all management measure all implemented, and the find is removed from the activity area. Should the find be an unmovable item such as an engraving or grinding groove located on a sandstone surface, further management measures will need to be introduced to avoid harm to the find.
1. **Human Remains Procedure.** In the unlikely event that human remains are uncovered during any site works, the following must be undertaken:
 - 1.1. All works within the vicinity of the find immediately stop. The area must be cordoned-off and signage installed to avoid any accidental impact. The remains must not be moved.
 - 1.2. Site supervisor or other nominated manager must notify the NSW Police and DPIE.
 - 1.3. The find must be assessed by the NSW Police, and may include the assistance of a qualified forensic anthropologist.
 - 1.4. Management recommendations are to be formulated by the Police, DPIE and site representatives.
 - 1.5. Works are not to recommence until the find has been appropriately managed.

2. **RAP consultation.** A copy of the final ACHAR must be provided to all project RAPs. Ongoing consultation with RAPs should occur as the project progresses. This will ensure ongoing communication about the project and key milestones and ensure that the consultation process does not lapse, particularly with regard to consultation should the Chance Find Procedure be enacted.

1. INTRODUCTION

1.1. BACKGROUND

This report presents the findings of an Aboriginal Cultural Heritage Assessment (ACHA) for the proposed development of a Wildlife Hospital at Taronga Zoo, 2A Bradleys Head Road, Mosman, Cammeragal Country, NSW (hereafter referred to as 'the subject area'), (see Figure 5 and Figure 6).

Urbis has been commissioned by Taronga Conservation Society Australia (the Proponent) to produce an Aboriginal Cultural Heritage Assessment Report (ACHAR) in accordance with the Secretary's Environmental Assessment Requirements (SEARs) for the State Significant Development (SSD-33211326). This ACHAR will accompany an Environmental Impact Statement (EIS) for the proposed works.

1.2. PROPOSED ACTIVITY

The proposed works includes the following:

- The demolition of the existing buildings on site and the construction of a new Wildlife Hospital (Figure 1 to Figure 4). The Wildlife Hospital will include rehabilitation facilities (including wildlife intensive care and Marine turtle facilities), surgeries, necropsy room/s, pathology labs, medical equipment and supplies storage, medical equipment and quarantine facilities to replace existing facilities on site.
- It is intended that the new Wildlife Hospital will be connected to the Taronga Wildlife Hospital Nutrition Centre which is currently being assessed under a separate SSDA (SSD-17655146).
- Vegetation removal and landscaping.

Further details of the concept plans are shown in Appendix A.



Figure 1 – General arrangement plan of level 1 for the proposed Wildlife Hospital.

Source: design worldwide partnership, 2022

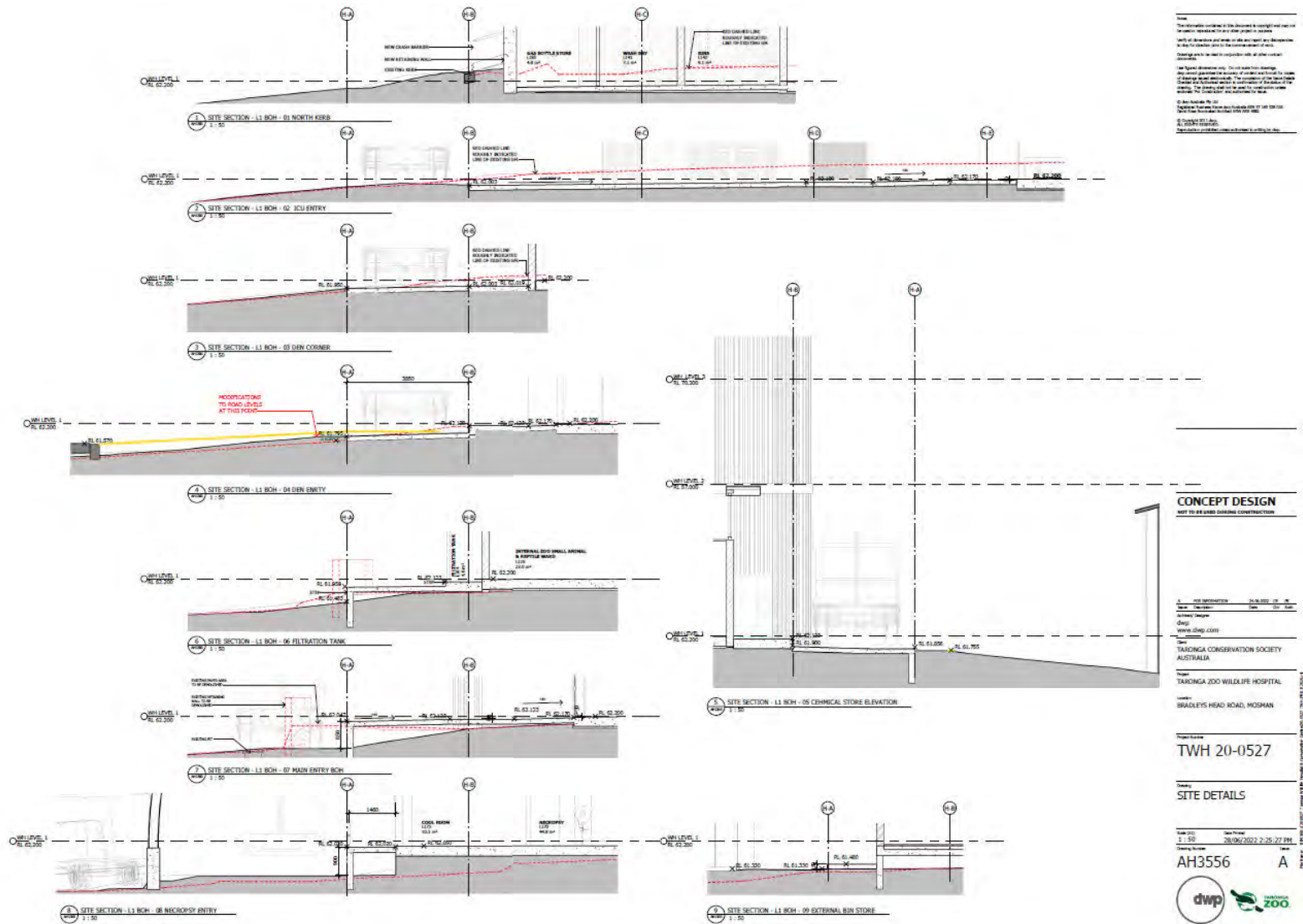


Figure 3 – Close up section views of the proposed Wildlife Hospital.

Source: design worldwide partnership, 2022

1.3. LOCATION AND DESCRIPTION OF THE SUBJECT AREA

Taronga Zoo is located at Bradleys Head Road, Mosman and is situated in the Mosman Local Government area (LGA). The site is bounded by Bradleys Head Road to the east, Athol Wharf Road and Sydney Harbour to the south, Little Sirius Cove to the west and Whiting Beach Road to the north. The subject area is located on Cammeragal Country, within the bounds of the Metropolitan Local Aboriginal Land Council.

Taronga Zoo is legally described as Lot 22 on DP843294 and is Crown Land managed by the TCSA (the Zoological Park Board).

The proposed Wildlife Hospital is located within the north-western portion of the zoo, primarily within the back-of-house area and the existing reptile house, with some public domain works proposed. The public domain works include the area currently occupied by one of the few remaining remnant natural bushland areas of the zoo, with identified sandstone outcrops and overhangs present.

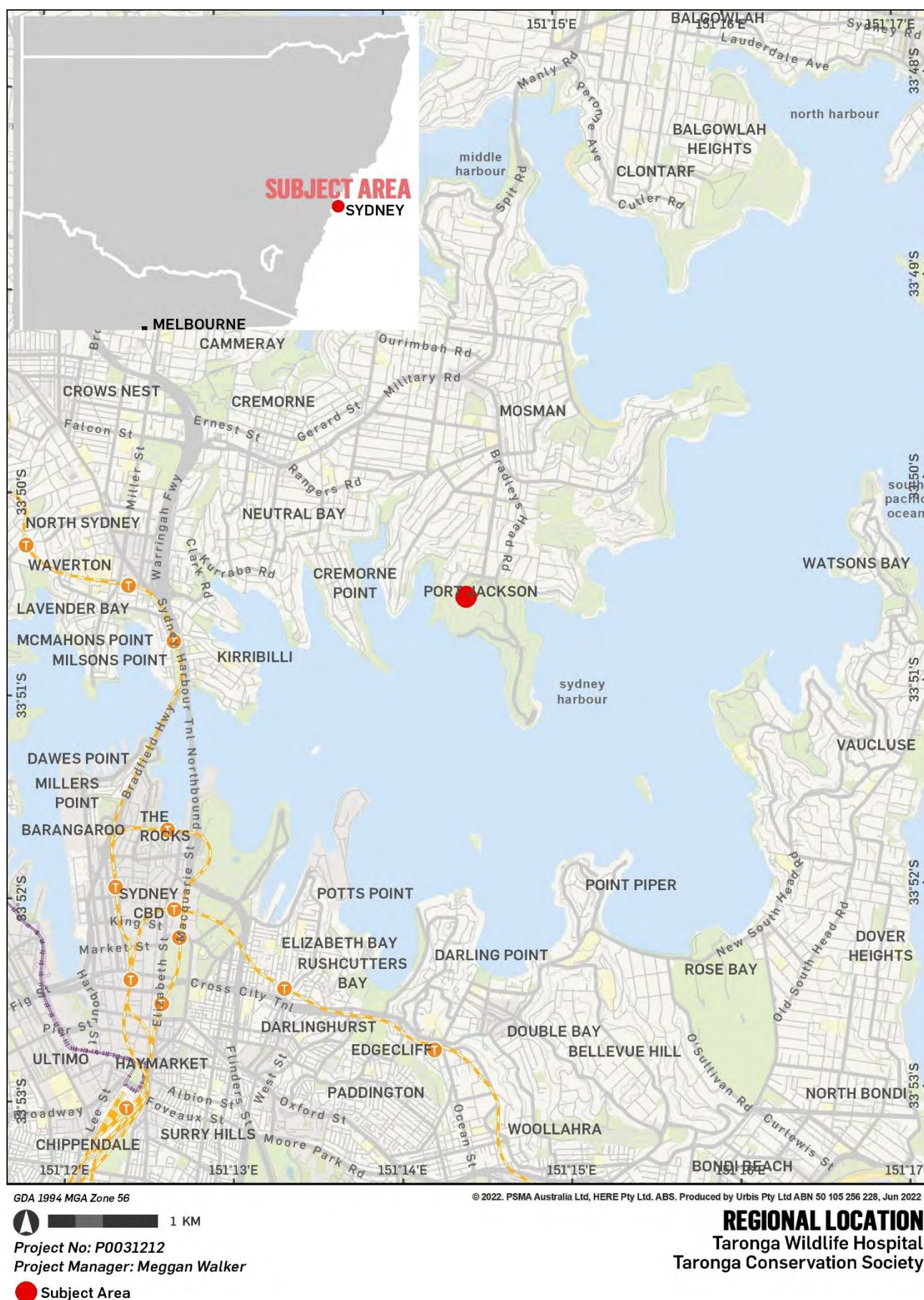


Figure 5 – Regional location.



GDA 1994 MGA Zone 56

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Project No: P0031212

Project Manager: Meggan Walker

 Subject Area — Contours

LOCATION OF THE SUBJECT AREA

Taronga Wildlife Hospital
Taronga Conservation Society

Figure 6 – Location of the subject area.

1.4. STATUTORY CONTROLS

Management of Aboriginal objects is under the statutory control of the *National Parks and Wildlife Act 1974* (NPW Act) further regulation of the process is outlined in the *National Parks and Wildlife Regulations 2009* (NPW Reg). This ACHA has been carried out in accordance with Part 6 of the NPW Act and Part 8A of the NPW Reg. The ACHAR was prepared the statutory guidelines under the NPW Act including:

- *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Department of Environment, Climate Change and Water (DECCW), 2010) (the Consultation Guidelines).
- *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (Office of Environment and Heritage 2011) (the Assessment Guidelines).
- *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).
- *The Australia ICOMOS Charter for Places of Cultural Significance, The Burra Charter, 2013* (Burra Charter).

The ACHA is required to inform the Environmental Impact Statement (EIS) which will be submitted to support a State Significance Development Application (SSDA). The ACHA will also address the relevant requirements of the Department of Planning's Secretary's Environmental Assessment Requirements (SEARs).

1.4.1. Response to SEARs

The ACHAR is guided by the Secretary's Environmental Assessment Requirements (SEARs) for the State Significant Development (SSD-33211326). Identifies the relevant SEARs and the corresponding sections of this ACHAR.

Table 1 – SEARs and relevant report sections

SEARs Item	Report Section
19. Aboriginal Cultural Heritage Provide an Aboriginal Cultural Heritage Assessment Report prepared in accordance with relevant guidelines, identifying, describing and assessing any impacts for any Aboriginal cultural heritage values on the site.	 This whole report has been prepared to address this requirement. A discussion of potential impacts is included in Section 9.

1.4.2. Mosman Local Environmental Plan (LEP) 2012

Clause 5.10 of Part 5 of the Mosman Local Environmental Plan (LEP) outlines the heritage conservation principles for archaeological sites and relics for the Mosman Local Government Area (LGA), including:

(2) Requirement for consent

Development consent is required for any of the following

- (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)—*
 - a) *a heritage item,*
 - b) *an Aboriginal object,*
 - c) *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—*
 - a) *on which a heritage item is located or that is within a heritage conservation area, or*
 - b) *on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance,*
- (f) *subdividing land—*
 - a) *on which a heritage item is located or that is within a heritage conservation area, or*
 - b) *on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance.*

(7) Archaeological sites

The consent authority must, before granting consent under this clause to the carrying out of development on an archaeological site (other than land listed on the State Heritage Register or to which an interim heritage order under the Heritage Act 1977 applies)

- (a) *notify the Heritage Council of its intention to grant consent, and*
- (b) *take into consideration any response received from the Heritage Council within 28 days after the notice is sent.*

(8) Aboriginal places of heritage significance

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

- (a) *consider the effect of the proposed development on the heritage significance of the place and any Aboriginal object known or reasonably likely to be located at the place by means of an adequate investigation and assessment (which may involve consideration of a heritage impact statement), and*
- (b) *notify the local Aboriginal communities, in writing or in such other manner as may be appropriate, about the application and take into consideration any response received within 28 days after the notice is sent.*

This assessment seeks to respond to provision (8) of the Mosman LEP 2012, by considering the effect of the proposed development on any known or reasonably likely to occur areas of Aboriginal cultural significance or Aboriginal objects. This assessment has involved notification to local Aboriginal communities of the proposed development.

1.4.3. Mosman Development Control Plan (DCP) 2012

A search of the Mosman Development Control Plan (DCP) 2012 was undertaken on 18th February 2021. The relevant DCP for Taronga Zoo is the *Open Space and Infrastructure Development Control Plan*. Heritage is addressed under Section 4.3 of this DCP.

No specific provisions regarding Aboriginal heritage were identified. The DCP refers to the controls identified in the Mosman LEP 2012.

1.5. OBJECTIVES

The objectives of this ACHA are to:

- Investigate the presence, or absence, of Aboriginal objects and/or places within and in close proximity to the subject area, and whether those objects and/or places would be impacted by the proposed development.
- Investigate the presence, or absence, of any landscape features that may have the potential to contain Aboriginal objects and/or sites and whether those objects and/or sites would be impacted by the proposed development.
- Document the nature, extent and significance of any Aboriginal objects and/or place and sites that may located within the subject area.

- Document consultation with the Registered Aboriginal Parties (RAPs) with the aim to identify any spiritual, traditional, historical or contemporary associations or attachments to the subject area and any Aboriginal objects and/or places that might be identified within the subject area.
- Provide management strategies for any identified Aboriginal objects and/or places or cultural heritage values.
- Provide recommendations for the implementation of the identified management strategies.
- Prepare a final Aboriginal Cultural Heritage Assessment Report (ACHAR) to be included in the Environmental Impact statement (EIS) for the proposed redevelopment.

1.6. AUTHORSHIP

This ACHA has been prepared by Meggan Walker (Senior Consultant) and Wade Goldwyer (Consultant Archaeologist) with review and quality control undertaken by Balazs Hansel (Director Archaeology).

2. ARCHAEOLOGICAL CONTEXT

2.1. ABORIGINAL ARCHAEOLOGICAL BACKGROUND

This section comprises the summary of the archaeological background research for Aboriginal cultural heritage resources. This includes the search of the Aboriginal Heritage Information Management System (AHIMS), previous archaeological investigations pertinent to the subject area and landscape analysis.

2.2. ABORIGINAL HERITAGE INFORMATION MANAGEMENT SYSTEM (AHIMS)

The AHIMS database comprises previously registered Aboriginal archaeological objects and cultural heritage places in NSW and it is managed by the Aboriginal Branch of the Department of Premier and Cabinet (DPC) under Section 90Q of the *National Parks and Wildlife Act 1974* (NPW Act).

Aboriginal objects are the official terminology in AHIMS for Aboriginal archaeological sites. From this point in the assessment forward the terms of 'Aboriginal sites', 'AHIMS sites' or 'sites' will be used to describe the nature and spatial distribution of archaeological resources in relation to the subject area.

The search of the AHIMS was carried out on 21 June 2022 (Client Service ID: 693990) for an area of approximately 4 km by 4 km. The AHIMS search identified a total of 82 Aboriginal objects and no Aboriginal places within or near the search area. Three registered Aboriginal objects were identified in the AHIMS register as 'duplicate' or 'not a site' and were removed from the analysis, reducing the total number of sites to 79. A summary of the identified Aboriginal objects is provided in Figure 8 and Table 2, and their spatial distribution is shown in Figure 9. The AHIMS Basic and Extensive searches are included in Appendix B.

The search found no registered Aboriginal sites within the subject area.

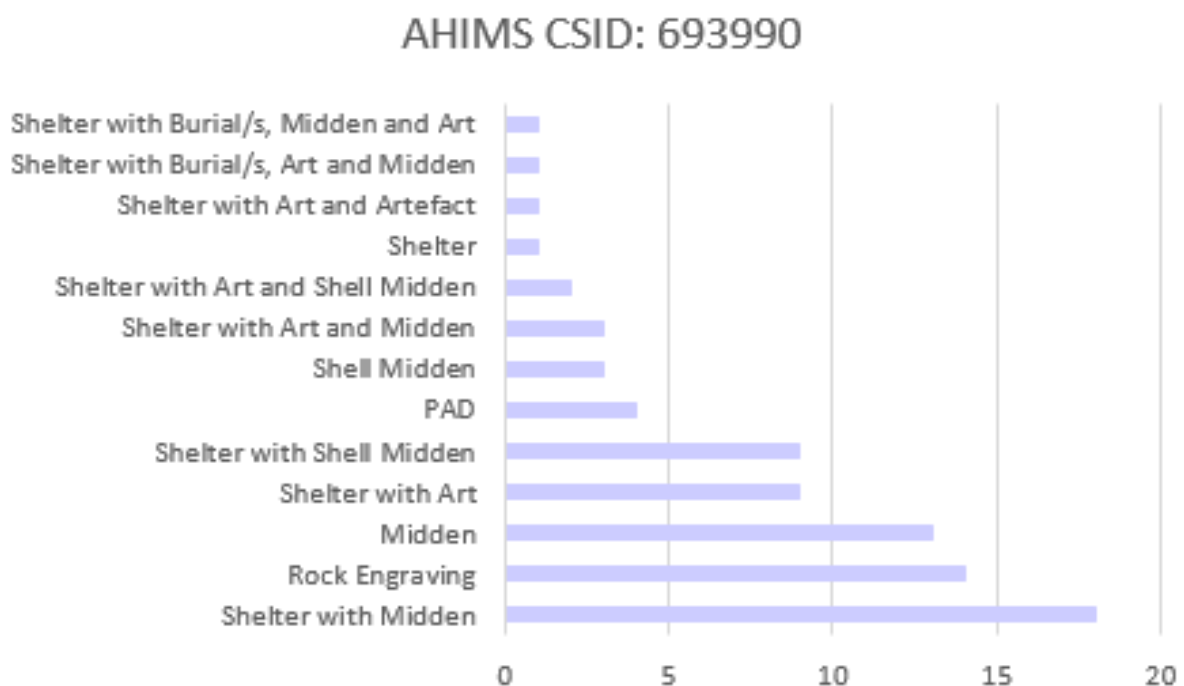


Figure 8 – AHIMS search results (Client Service ID: 693990)

Table 2 – AHIMS search results (Client Service ID: 693990)

Site Type	Context	Number	Percentage
Shelter with Midden	Closed	18	23%
Rock Engraving	Open	14	18%
Midden	Open	13	16%
Shelter with Art	Closed	9	11%
Shelter with Shell Midden	Closed	9	11%
PAD	Open	4	5%
Shell Midden	Open	3	4%
Shelter with Art and Midden	Closed	3	4%
Shelter with Art and Shell Midden	Closed	2	3%
Shelter	Closed	1	1%
Shelter with Art and Artefact	Closed	1	1%
Shelter with Burial/s, Art and Midden	Closed	1	1%
Shelter with Burial/s, Midden and Art	Closed	1	1%
Total		79	100%

The types of sites identified reflect the landscape and environment of the search area. 'Open' context sites are sites which occur in open space, whereas 'closed' context sites are those which occur within rock shelters. Closed context sites dominated the search results, comprising 58% (n=45). This is due to the general topography and geology of the surrounding area, where sandstone outcrops are common. As a result, sites which are dependent on sandstone (including shelter sites and rock engravings) comprised 79% (n=62) of search results. These site types are typically indicative of habitation and long-term occupation across the area. Shelters are sites of habitation, and typically correlate with additional archaeological resources including art, shell middens and artefacts.

40% (n=31) of registered sites within the search area contained art. Art within shelters, typically in the form of pigment applied to the shelter wall, comprised 55% (n=17) of art sites, while rock engravings in open contexts comprised 45% (n=14) of art sites. Pigment art is typically associated with areas of habitation and sustenance, while engravings are typically located on flat sandstone outcrops, on ridges where suitable platforms and water are available. Most of the art sites are indicative of prolonged use and occupation/habitation within an area, and typically are of high cultural significance due to their rarity, caused by post-settlement destruction and natural erosion and wear processes. Art sites within shelters often correlate with middens, artefacts and burials.

Middens are sites containing deposits of edible shell indicative of habitation, sustenance and resource extraction. Middens are typically located within shelters and/or in close proximity to watercourses and shorelines where edible shells were extracted and subsequently processed. Midden may represent a single meal or an accumulation over a long period of time involving many different activities. 'Shell middens' are delineated in this report as containing exclusively shell, whereas 'Middens' refers to sites which also contain culturally modified lithics (stone artefacts).

Burials are commonly found within middens and sand bodies. Aboriginal burial of the dead often took place relatively close to camp site locations. Burials have high cultural significance and are strongly protected under legislation. Sites containing human remains comprised 2.6% (n=2) of site types within the search area, with the remains identified within shelters with middens and art.

Sites containing stone artefacts comprised 47% (n=37) of site types. This included artefacts in open and closed context, with scatters of varying densities and associated with other materials. Artefact scatter sites are sites with multiple culturally modified lithics within a 10m area. Artefact scatters range in size; from small, low intensity, 'background' scatter, to large scatters of hundreds of artefacts, with accompanying materials which would indicate use of the area for long term habitation purposes.

Potential Archaeological Deposits (PAD) sites comprised 3.8% (n=3) of results, and occurred only in isolation across the search area, rather than being associated with other sites. PADs typically represent areas where the environmental context and level of disturbance are such that subsurface remains are deemed to be likely, and the registering of PADs is usually followed by test excavation which will either realise this potential through the identification of sites, or result in the de-registering of the area due to the absence of materials. PADs are typically registered within areas where deposits indicative of habitation are anticipated to occur.

It should be noted that the AHIMS register does not represent a comprehensive list of all Aboriginal objects or sites in a specified area. It lists recorded sites identified during previous archaeological survey effort. The wider surroundings of the subject area have experienced various levels and intensity of archaeological investigations during the last few decades. Most of the registered sites have been identified through targeted, pre-development surveys for infrastructure and maintenance works, with the restrictions on extent and scope of those developments.

Furthermore, it is important to note that archaeological sites alone will not provide the full context of how Aboriginal people might have used the landscape in the past and how their every day and ceremonial activities shaped the landscape and provided the cultural connection to the natural environment. Archaeological resources comprise only one aspect (tangible) of Aboriginal cultural heritage and intangible cultural heritage provides a more holistic context of past and present Aboriginal life.



GDA 1994 MGA Zone 56

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Project No: P0031212

Project Manager: Meggan Walker

AHIMS SITES IN EXTENSIVE SEARCH AREA

Taronga Wildlife Hospital
Taronga Conservation Society

- | | | | |
|--|--|---|---|
| Subject Area | ● Midden | ● Shelter | ● Shelter with Art and Shell Midden |
| — Contours | ● PAD | ● Shelter with Art | ● Shelter with Burial/s, Art and Midden |
| ■ Hydrology | ● Rock Engraving | ● Shelter with Art and Artefact | ● Shelter with Burial/s, Midden and Art |
| | ● Shell Midden | ● Shelter with Art and Midden | ● Shelter with Midden |
| | | | ● Shelter with Shell Midden |

Figure 9 – Registered Aboriginal sites in search area.



Figure 10 – Registered Aboriginal sites in search area.

2.3. REGIONAL ARCHAEOLOGICAL CONTEXT

Previous archaeological assessments across the Cumberland Plain provide important data on Aboriginal archaeological site distribution and typology. An understanding of the archaeological landscape within the subject area can be developed from this analysis.

Aboriginal occupation in the Sydney region encompasses at least 20,000 years with dates of 13,000 before present (BP) at Shaws Creek in the Blue Mountain foothills; 11,000 BP for Mangrove Creek and Loggers Shelter and c. 20,000 BP at Burrill Lake on the NSW South Coast (Attenbrow 2002). The majority of sites in the Sydney region have been dated to within the last 3,000 to 5,000 years, with many researchers proposing that occupation intensity increased during this period. This apparent intensity of occupation may have been influenced by rising sea levels. By about 6,500 BP, seas had risen to their present levels. Radiocarbon dating of charcoal samples from sand sheet contexts in proximity to the Cooks River have indicated occupation to the late Pleistocene (McDonald 2005). Older occupation sites along the now submerged coastline would have been flooded, with subsequent occupation concentrating and utilising resources along the current coastlines and changing ecological systems in the hinterland and the Cumberland Plain (Attenbrow 2002).

The Cumberland Plain Predictive Model has been developed through a number of assessments from 1985-1997 and onwards (Kohen 1985; Smith 1989; JMCHM 1992; AMBS 1997). These assessments involved developing and testing hypotheses about the location of artefactual material in relation to environmental factors including proximity to water and ridgelines. The predictive model was tested by excavations undertaken by Jo McDonald Cultural Heritage Management (JMCHM) in 1992 at Hoxton Park (JMCHM 1992). The spatial location and density of artefacts recovered from these excavations, with highest density approximately 80-90m from the creek on higher ground, disputed previous claims about spatial distribution of sites within the Cumberland Plain region and led to the development of the currently accepted predictive model, which employs a model of environmental determinism.

More recently, excavation at Leppington undertaken by GML (GML 2012) have begun to further interrogate and reconsider the environmental determinism of the predictive model. This has been supported by the work of Tim Own (2015) which suggests that areas of high cultural sensitivity, where ritual and ceremonial practices were undertaken, are unlikely to involve surface or subsurface artefactual expression. Owen suggests a more complex pattern of spatial selection on the basis of activity, wherein certain spatial characteristics would be suitable for certain activities. This model of understanding of the use of space by Aboriginal people both pre- and post-settlement is developing and will continue to inform developing understandings of the use of space going forward.

2.4. LOCAL ARCHAEOLOGICAL CONTEXT

2.4.1. Taronga Zoo

Taronga Zoo has been the subject of previous archaeological assessments to guide and support development.

GML, 2004. Taronga Zoo Archaeological Management Plan

There is an existing Aboriginal Archaeological Management Plan (AMP) for the wider Taronga Zoo Park. This was prepared in 2004 by GML. The Archaeological Management Plan assessed the archaeological, environmental and historical land use context of the Taronga Zoo site to inform a system by which the zoo was divided into Management Zones which correlated to archaeological potential and thus management strategies for potential Aboriginal archaeological sites. 5 zones were identified, discussed in the table below.

Table 3 – Management Zones.

Zone	Description	Corresponding Potential
1	Identified Art Site	High
2	Unassessed area outside Zoo boundary wall	N/A
3	Rock surface unmodified by European development. Areas of original bushland unmodified by European development.	High
4	Areas heavily modified by European Development.	Medium to Low
5	Areas which have previously been excavated down to bedrock, or culturally sterile soils.	Nil

Source: GML, 2004.

The Taronga Zoo AMP identifies the subject area within the following zones (Figure 8):

- Zone 3 (within the public domain area).
- Zone 4 (within the proposed Taronga Wildlife Hospital area).
- Zone 5 (within the proposed Taronga Wildlife Hospital area).

Accordingly, the subject area is registered as having nil-moderate Aboriginal archaeological potential in the area proposed for the Taronga Wildlife Hospital and high Aboriginal archaeological potential in the area proposed for public domain works according to this assessment. Management strategies identified for these zones include preliminary test excavation in Zone 3 where disturbance is proposed, and an AHIP to be obtained if relics identified. Management strategies for Zones 4 and 5 include an Archaeological Induction for all contractors if subsurface disturbance is proposed and a chance find procedure developed.

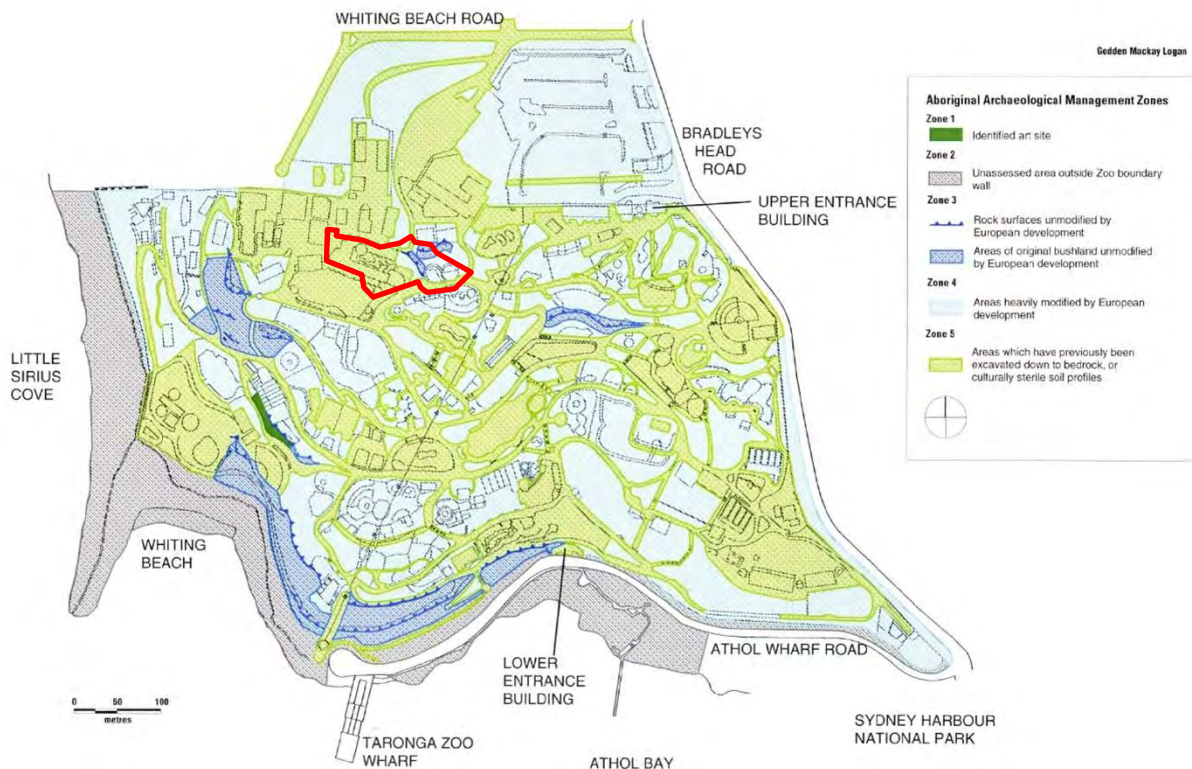


Figure 11 – Aboriginal Archaeological Management Zones.

Source: Taronga Zoo AMP, 2004.

Urbis, 2020. Aboriginal Cultural Heritage Assessment, Upper Australia Precinct, Taronga Zoo.

In 2020, Urbis prepared an ACHA for the Upper Australia Precinct within Taronga Zoo, to the north of the current subject area, to support a SSDA. This involved the demolition of existing structures, including the Platypus House and landscape, and the construction of new facilities for the display of animals. This ACHA identified that no Aboriginal sites were registered on AHIMS or visible within the subject area, with no landscape features with potential for Aboriginal objects or archaeological deposits located within the subject area. The ACHA concluded that disturbance was high within the subject area resulting from the use of the site as a Zoo. This assessment recommended that, based on the low potential of the site, no further work was necessary, and an Aboriginal cultural heritage induction and chance finds procedure should be prepared and followed.

Dominic Steele Consulting Archaeology (DSCA), 2017. Aboriginal Archaeological Assessment – Taronga Zoo, Savannah & Congo Precincts.

In 2017, DSCA prepared an Aboriginal archaeological assessment for the Savannah and Congo Precincts at Taronga Zoo. This assessment identified that, while sandstone outcrops did occur within the subject area, they did not contain art or grinding grooves and did not provide overhangs suitable for occupation. No sites were registered within the subject area, nor were any identified during the site visit. No areas of potential sensitivity were identified, and this assessment concluded that the works could proceed with a chance find procedure enacted.

2.4.1.1. Mosman

Archaeological publications which relate to the Mosman area date back over 120 years, with W. D. Campbell's (1899) and R. H. Mathews (1898, 1899) systematic recordation of Aboriginal rock engravings around Sydney throughout the 1890s. The subsequent 50 years experienced a hiatus in the investigation of Aboriginal sites.

Mosman Council commissioned heritage studies for the municipality in the late 20th century (Haglund and Rich 1988; Koettig 1991). Haglund and Rich (1988) identified 21 Aboriginal sites within the LGA and, just 3 years later, Koettig (1991) identified 77.

Throughout the 1990s Attenbrow (1990, 1991, 1991, 1993, 1994, 1995) undertook a number of archaeological surveys and excavations within the Mosman LGA. Attenbrow identified a further 123 occupation sites (1990). Excavations of a rock shelter at Balmoral Beach (Attenbrow 1992, 1993, 1994 & 1995) revealed a continuous record of occupation from 2,500 BP.

In 2005 an Aboriginal Heritage Study (AHS) was prepared for the Mosman LGA by AMBS. This publication was commissioned by the NSW National Parks and Wildlife Service (NPWS), Metropolitan Local Aboriginal Land Council (MLALC), Mosman Council and Sydney Harbour Federation Trust (SHFT) for the purpose of clearly articulating the responsibilities of these agencies in respect of the Aboriginal heritage of the Mosman LGA. At the time of writing there were 92 recorded sites within the Mosman LGA and the AHS identified a further 15.

These publications are briefly summarised below in Table 4.

Table 4 – Summary of previous publications relevant to the Mosman regional archaeological context

Report	Summary	Relevance to Subject Area
<i>Attenbrow & Ross, 1990. Archaeological Site Survey: Bradley's Head</i>	Report prepared in relation to the proposed redevelopment of the HMAS Memorial at Bradley's Head in Sydney Harbour National Park. It established that no Aboriginal sites were located within the vicinity of the proposed works, with the exception of a single artefact. A number of archaeological sites were identified within the vicinity, however.	- Although the landscape context would predict that middens, art sites and other site types were once abundant on the southern tip of Bradley's head, these would have been removed through the construction of fortifications and roads in the 19th and 20th centuries. - Identified a rock shelter site (45-6-1959) in addition to the 5 registered sites located on Bradley's Head peninsula.
<i>Attenbrow, V. 1990. The Port Jackson Archaeological Project, Stage 1: a study of the Port Jackson Catchment</i>	A publication of relevance for the present assessment was the Port Jackson Archaeological Project, prepared by Val Attenbrow on behalf of the Australian Museum in 1990. Stage 1 of this study involved a survey of Aboriginal archaeological sites throughout Port Jackson, which contributed significantly toward an increased understanding of the relationship between site type and landscape features. The study found that the majority of sites were located within proximity of water, Hawkesbury sandstone and on the lower points of ridgelines. Attenbrow (1990:46-47) attributed these findings to the reduced development and increased visibility afforded by these landscape features.	- Established that the range and predominance of particular shellfish species varies according to distance from the harbour and that middens are located in relation to resources. - Established that 16% of middens were totally or highly disturbed, 31% were totally or partially disturbed and that in 53% of sites some in situ deposit had survived. - Established that Port Jackson retains a large number of middens which are suitable for scientific research purposes.
<i>Koettig, M. 1991. Mosman Municipality Heritage Study of Aboriginal Sites</i>	Koettig's review of Aboriginal sites throughout the Mosman LGA found that site types were 'typical of those found in the Hawkesbury Sandstone Region', which is characterised by an absence of stone arrangements, grinding grooves and scarred trees (Koettig 1991:39). This is reflected also in the AHIMS search results for the present study in which none of these site types were observed (Table 2). Koettig found that although Aboriginal sites could be found in all parts of the landscape, clear associations were observed between particular site types and	- Identified a total of 77 Aboriginal sites. - Established that the majority of occupational deposits are associated with the foreshore and always contain shell middens.

Report	Summary	Relevance to Subject Area
	landscape features, with engravings more likely to be found along ridgetops and middens within proximity of the shoreline.	- Established that art occurs both in open and closed contexts and in all areas of the landscape. - Identified two 'Art / Shelter' sites within the curtilage of the subject area.
<i>Attenbrow, 1992, 1993, 1994, 1995. Archaeological Excavation of a rockshelter at the southern end of Balmoral Beach, Mosman</i>	This study documented the excavation of a shell midden at a rock shelter at Balmoral Beach. Excavation was undertaken both inside and outside of the rock shelter and revealed a continuous deposit containing stone artefacts, faunal remains, hearths and shell material dating back at least 2,500 BP.	- Revealed a record of continuous occupation over a period of 2,500 years, as indicated by multiple hearths. - Shell material was located principally in the upper 65 cm of the deposit, suggesting a transition to a marine-based diet. 18 different species of shellfish were identified, suggesting varied exploitation of the marine resources.
<i>AMBS, 2005. Aboriginal Heritage Study of the Mosman Local Government Area.</i>	In addition to consolidating the findings of previous publications, the AHS undertook statistical analyses as a means of identifying smaller (archaeological sites) and general (cultural landscape) trends. The study determined that: - Highest frequencies of archaeological sites are around the foreshore; and - Lowest frequencies of archaeological sites occur on interconnecting ridgetops. The study also found that the probability of the appearance of sites decreases as the elevation (or distance from water) increases (AMBS 2002:103). This outcome does not agree with Koettig's (1991:8) earlier assertion that 'it is not useful to use topographic or environmental variables as the basis for determining areas of higher or lower archaeological sensitivity'. The absence of Aboriginal sites on ridgetops was interpreted as being a consequence of their being used as transit routes or for the exploitation of resources. The least sites were observed in association with interconnecting	- Identified the Aboriginal heritage of the Mosman LGA as exceptional on the basis that the frequency and preservation of archaeological finds is almost unparalleled within the Sydney Metropolitan Area. - The majority of Aboriginal sites are located along the foreshore and lower slope areas, suggesting a preference for marine resources. - Middens, both open and closed, displayed the least variation of any Aboriginal site type in the Mosman LGA and reflect a preference for the coastal landscape, rather than a bias caused by development away from the immediate shorelines.

Report	Summary	Relevance to Subject Area
	ridgetops, with the ends of ridgetops exhibiting the greatest potential because they 'provided the easiest access to water' (AMBS 2002:103). The subject area is located almost at the apex of an interconnecting ridgetop which runs south to Bradley's Head, south-east to Georges Head and North-east to Middle Head. According to the AMBS predictive model, the location of the subject area therefore suggests that it has a low potential for Aboriginal archaeological sites.	▪ The distribution and variation within Aboriginal sites in relation to topography revealed two primary areas of occupation: north-west and south-east.
NSW Department of Environment, Climate Change and Water, 2010. Aboriginal Heritage of Mosman	This document was prepared by DECC with the intention of providing an accessible guide to the Aboriginal heritage of the Mosman area. This document provides a description of the Aboriginal heritage context of the Mosman area.	▪ Outlines principal site types which are found within the Mosman area; these being middens, archaeological deposits, engravings, pigment art, burials and grinding grooves.

2.5. SUMMARY

The conclusions from the review of the archaeological context are as follows:

- No Aboriginal objects and/or places are registered on AHIMS within the subject area or within proximity.
- The subject area is within management zones 3, 4 and 5 on the GML 2004 AMP for the wider Taronga Zoo. The majority of the subject area is zoned as 'Areas which has previously been excavated down to bedrock, or culturally sterile soil profiles' and 'Areas heavily modified by European development'. A portion proposed for public domain works is zoned as 'Rock Surfaces unmodified by European Development' and 'Areas of original bushland unmodified by European Development'. However, the level of disturbance identified in the AZP has not been tested and can vary within the subject area.
- There are a number of Aboriginal archaeological sites, particularly those which occur upon or within sandstone, within the wider regional context. Sandstone outcrops or overhangs which may occur within the subject area must be thoroughly examined for evidence of art or suitability for habitation.
- Regionally, the majority of occupational deposits are associated with the foreshore and generally always contain shell materials.
- Where disturbance is high, particularly across the wider Taronga Zoo grounds where land modification has been extensive with terracing for paths and exhibits, Aboriginal archaeological potential is diminished.

3. ENVIRONMENTAL CONTEXT

3.1. GEOLOGY AND SOILS

The subject area is located within the Sydney Basin Bioregion. The underlying geology of the Mosman area consists of Triassic Hawkesbury Sandstone, which is exposed along the shoreline (Chapman & Murphy 1989). The Hawkesbury Sandstone is a medium to coarse-grained quartz sandstone with minor shale and laminite lenses.

The subject area is located within the Gynea soil landscape (gy), which consists of undulating to rolling rises and low hills on Hawkesbury Sandstone. Soils consist of shallow to moderately deep (30-100 cm) Yellow Earths and Earthy Sands on crests and inside of benches, shallow (<20 cm) Siliceous Sands on leading edges of benches, localised Gleyed Podzolic Soils and Yellow Podzolic Soils on shale lenses and shallow to moderately deep (<100 cm) Siliceous Sands and Leached Sands along drainage lines (Figure 13).

The depth of natural soils is relevant to the potential for archaeological deposits to be present, especially in areas where disturbance is high. Most of the Mosman area is highly disturbed as a result of moderate density residential development during the 20th Century.

The wider Taronga Zoo area is characterised by the presence of intersecting sandstone ledges that sloped towards the harbour foreshore. The site has been subject to high levels of disturbance relating to its use as a zoo, which necessitated the creation of level building terraces by cutting and filling sections of the sandstone bedrock. While the majority of the subject area has been heavily modified, there are some portions which retain unmodified sandstone outcrops and faces, as well as remnant original bushland.

3.1.1. Geotechnical Analysis

Geotechnical Investigation was undertaken at the subject area in February 2021, by Douglas Partners. This involved the drilling of 10 cored boreholes to depths of between 5.5m and 12.0m. Three dynamic cone penetration tests were also carried out to refusal at depths of between 0.5-1.45m in areas inaccessible to drilling equipment.

The geotechnical investigations identified the subsurface conditions as being primarily fill overlying sandstone bedrock. Fill materials included asphalt, gravelly or clayey sand and road base to depths of between 0.34-1.23m in 8 of the boreholes, with fill extending to depths of 3.1m in the remaining two boreholes. Deeper fill included concrete, timber and asbestos containing fibre cement.

No natural soils were encountered during the geotechnical investigation. It should be noted that the terminology 'fill' does not always describe imported soils and the source of the fill may need to be further confirmed by geomorphological investigation. The results of the geotechnical analysis are discussed below. Notably, the geotechnical investigation did not include the area of natural vegetation but was restricted to other portions of the site.

Table 5 – Geotechnical Investigation Results

Borehole No.	Depth	Material
PF1	Ground-0.03m	Asphaltic concrete
	0.03-0.34m	Fill/Sand: fine to medium, yellow-brown, with fine sandstone gravel, moist, apparently loose.
	0.34-5.55m	Sandstone (varying types) (bedrock)
WH1	Ground-0.05m	Asphaltic concrete
	0.05-0.25m	Fill/Road base: gravelly sand, fine to medium grained, grey-brown, fine igneous gravel with silt, moist.

Borehole No.	Depth	Material
	0.25-0.7m	Fill/Sand: fine to medium, dark brown, with silt, clay, trace fine igneous gravel, moist, apparently medium dense.
	0.7-1m	Fill/Sand: fine to medium, yellow-brown, with fine sandstone gravel, moist, apparently medium dense
	1m-5.71m	Sandstone (varying types) (bedrock)
WH2	Ground-0.05m	Asphaltic concrete
	0.05-0.2m	Concrete slab
	0.2-0.8m	Fill/Clayey sand: fine to medium, yellow-brown, with fine sandstone gravel, moist, apparently medium dense to dense
	0.8-1.8m	Fill/Sand: fine to medium, dark brown and brown, with clay, silt, fine sandstone gravel, moist, apparently dense 1.5m: trace carbonaceous material
	1.8-2.15m	Fill/Sand: fine to medium, pale grey, trace clay, fine sandstone gravel, silt, moist, apparently dense
	2.15-2.34m	Concrete
	2.34-3.1m	Fill/Gravelly clay: low plasticity, yellow-brown and brown, fine sandstone and igneous gravel, trace timber, fibre cement fragments (confirmed asbestos containing material), w<PL
WH3	3.1-12m	Sandstone (varying types) (bedrock)
	Ground-0.03m	Asphaltic concrete
	0.03-0.15m	Fill/Road base: Gravelly sand, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.15-0.5m	Fill/Sand: fine to medium, dark brown, with silt, clay, trace fine igneous gravel, moist
	0.5-0.65m	Fill/Sandstone boulder: red-brown, medium strength.
	0.65-0.73m	Concrete
WH4	0.73-5.52m	Sandstone (varying types) (bedrock)
	Ground-0.03m	Asphaltic concrete
	0.03-0.1m	Fill/Road base: Gravelly sand, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.1-1.4m	Fill/Sand: brown and grey, with clay, silt, trace fine sandstone gravel, apparently medium dense to dense 0.8-1.15m: low to medium plasticity, red-brown silty clay fill band

Borehole No.	Depth	Material
	1.4-3.07m	Fill/Sandy clay: low plasticity, pale orange-brown and red-brown, fine to medium sand, trace subrounded, fine sandstone gravel, w<PL, in a stiff condition Below 2.0m: with sandstone gravel, trace igneous gravel, wood
	3.07-11.56m	Sandstone (varying types) (bedrock)
WH5	Ground-0.05m	Asphaltic concrete
	0.05m-0.25m	Fill/Sand: fine to medium, brown-grey, trace silt, fine igneous gravel, moist
	0.25-0.4m	Fill/Gravelly sand: fine to medium, grey, fine igneous gravel, moist
	0.4-0.78m	Fill/Sand: fine to medium, yellow-brown and grey, trace fine igneous gravel, moist to wet
	0.78-5.5m	Sandstone (varying types) (bedrock)
WH6	Ground-0.05m	Asphaltic concrete
	0.05-0.15m	Fill/Road base: Gravelly SAND, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.15-0.3m	Fill/Sand: fine to medium, pale-brown, trace fine sandstone gravel, moist
	0.3-1.23m	Fill/Sand: fine to medium, dark-brown and yellow-brown, trace silt, clay, moist, apparently medium dense
	1.23-8.43m	Sandstone (varying types) (bedrock)
WH7	Ground-0.1m	Asphaltic concrete
	0.1-0.25m	Fill/Road base: Gravelly SAND, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.25-1.61m	Fill/Sand: yellow-brown, fine to medium, with fine sandstone gravel, moist, apparently medium dense
	1.61-7.11m	Sandstone (varying types) (bedrock)
WH8	Ground-0.03m	Asphaltic concrete
	0.03-0.1m	Fill/Road base: Gravelly SAND, fine to medium, grey-brown, fine igneous gravel, with silt, moist, apparently medium dense
	0.1-1.55m	Fill/Sand: fine to medium, brown, grey and yellow, with fine sandstone and igneous gravel, clay, silt, apparently medium dense to dense 1.20-1.45m: low plasticity, yellow-brown sandy clay fill band
	1.55-8.51m	Sandstone (varying types) (bedrock)
WH9	Ground-0.05m	Pavers

Borehole No.	Depth	Material
	0.05-0.7m	Fill/Sand: fine to medium, grey-brown, brown and dark brown, with silt, trace find igneous and sandstone gravel, moist.
	0.7-10.19m	Sandstone (varying types) (bedrock)



Figure 12 – Geotechnical Investigation – Borehole locations.
Source: Douglas Partners, 2021.

3.2. HYDROLOGY

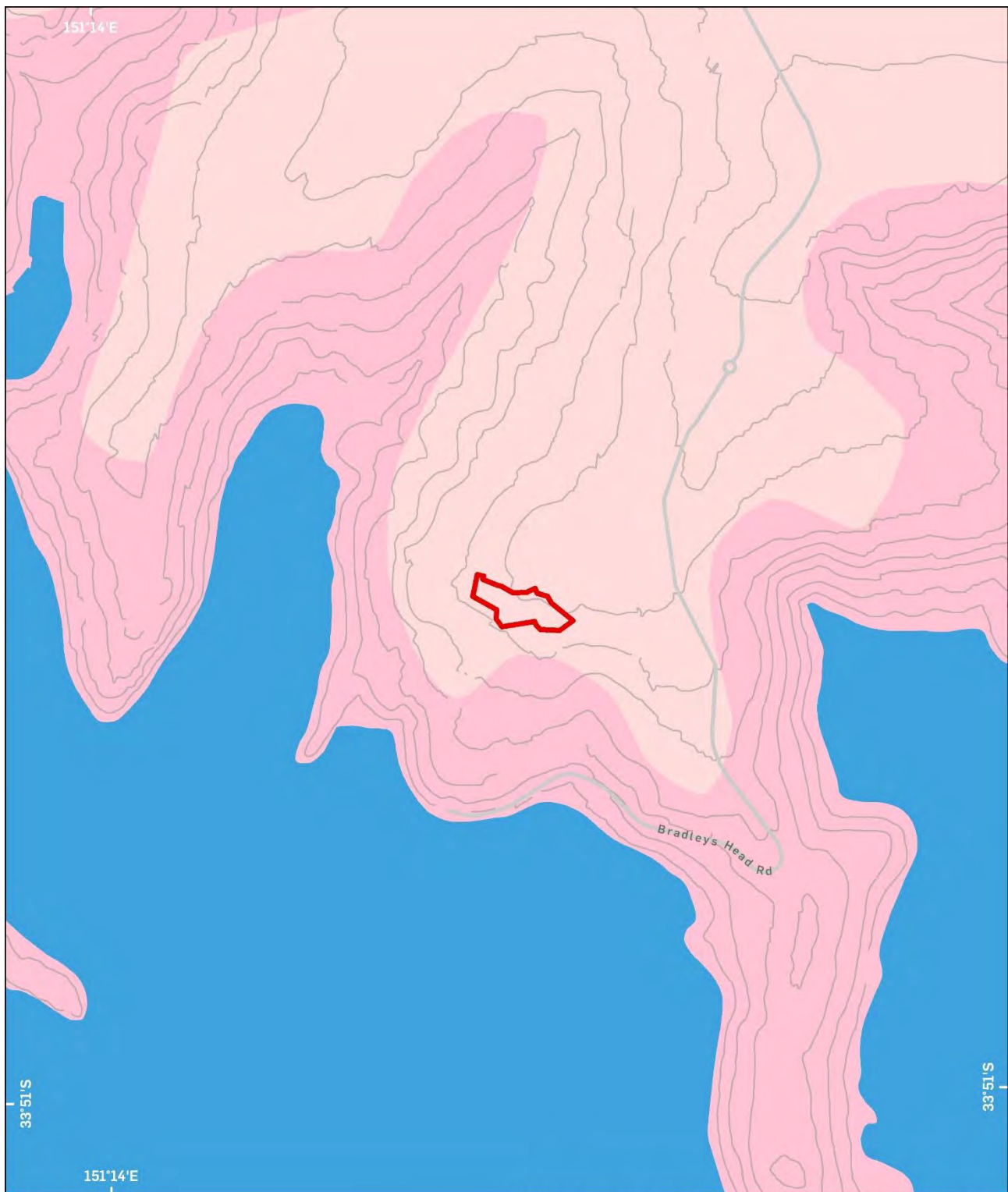
The subject area is located on a peninsula which extends south into Port Jackson (Sydney Harbour). The wider Taronga Zoo site is located on a peninsula which extends south into Port Jackson (Sydney Harbour). Taylors Gully drains into the harbour approximately 400m to the east of the subject area, with Sirius Creek 330m to the north-north-west and Little Sirius Cove 400m to the north-west.

Hydrology is an important factor in any analysis of environmental factors and their contribution to archaeological potential. The predictive model for the Cumberland Plain developed across the 1980s-late 1990s and supported by more recent assessments (see Sections 2.3-2.4) hypothesises that proximity to permanent watercourses was a primary factor in the determination of locations for habitation. While the primacy of environmental determinism as a theory for the determination of predictive models to understand Aboriginal use of the land has been challenged in recent years (Owen, 2015), areas in proximity to watercourses are generally considered to be archaeologically sensitive. This includes the alluvial plains of watercourses and ridgelines and elevated areas above waterways.

3.3. VEGETATION AND RESOURCES

The GyMEA soil landscape was originally characterised by dry sclerophyll woodland and open forest. Common species included red bloodwood *Eucalyptus gummifera*, yellow bloodwood *E. eximia*, scribbly gum *E. haemastoma*, brown stringybark *E. capitellata* and old man banksia *Banksia serrata*. On the more sheltered slopes, black ash *E. sieberi*, Sydney peppermint *E. piperita* and smooth-barked apple *Angophora costata* are common tree species. The dry sclerophyll understorey consisted of shrubs from the families Epacridaceae, Myrtaceae, Fabaceae and Proteaceae.

Whereas native forests have been extensively cleared to make way for residential development, Mosman retains a relatively large number of its native forests, particularly along its foreshores. This is the result of their original incorporation within military installations, which afforded them protection until they were transferred into the ownership of the State government in 1979 and became part of the Sydney Harbour National Park (AMBS 2005: 17).



GDA 1994 MGA Zone 56

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500 Meters

Project No: P0031212

Project Manager: Meggan Walker

SOIL LANDSCAPES AND HYDROLOGY

Taronga Wildlife Hospital
Taronga Conservation Society

- ▮ Subject Area
- ▮ Colluvial (COha)
- ▮ Erosional (ERgy/ERla)
- ▮ Erosional (ERla)
- ▮ Water
- ▮ Hydrology
- ▮ Hydrology 200m Buffer
- Contours

Figure 13 – Soils landscapes and hydrology.

3.4. LANDFORM

There are varying morphological types of Landform elements (see Figure 14 and Figure 15). The Australian Soil and Land Survey Field Handbook (CSIRO, 2009) identifies ten types. These types are as follows:

Table 6 – Landform definitions

Type	Definition
Crest (C)	Landform element that stands above all, or almost all, points in the adjacent terrain. It is characteristically smoothly convex upwards in downslope profile or in contour, or both. The margin of a crest element should be drawn at the limit of observed curvature.
Hillock (H)	Compound landform element comprising a narrow crest and short adjoining slopes, the crest length being less than the width of the landform element.
Ridge (R)	compound landform element comprising a narrow crest and short adjoining slopes, the crest length being greater than the width of the landform element.
Simple Slope (S)	Slope element adjacent below a crest or flat and adjacent above a flat or depression.
Upper Slope (U)	Slope element adjacent below a crest or flat but not adjacent above a flat or depression.
Mid Slope (M)	Slope element not adjacent below a crest or flat and not adjacent above a flat or depression.
Lower Slope (L)	Slope element not adjacent below a crest or flat but adjacent above a flat or depression.
Flat (F)	planar landform element that is neither a crest nor a depression and is level or very gently inclined (<3% tangent approximately).
Open Depression (vale) (V)	Landform element that stands below all, or almost all, points in the adjacent terrain. A closed depression stands below all such points; an open depression extends at the same elevation, or lower, beyond the locality where it is observed. Many depressions are concave upwards and their margins should be drawn at the limit of observed curvature.
Closed Depression (D)	Landform element that stands below all, or almost all, points in the adjacent terrain. A closed depression stands below all such points; an open depression extends at the same elevation, or lower, beyond the locality where it is observed. Many depressions are concave upwards, and their margins should be drawn at the limit of observed curvature.

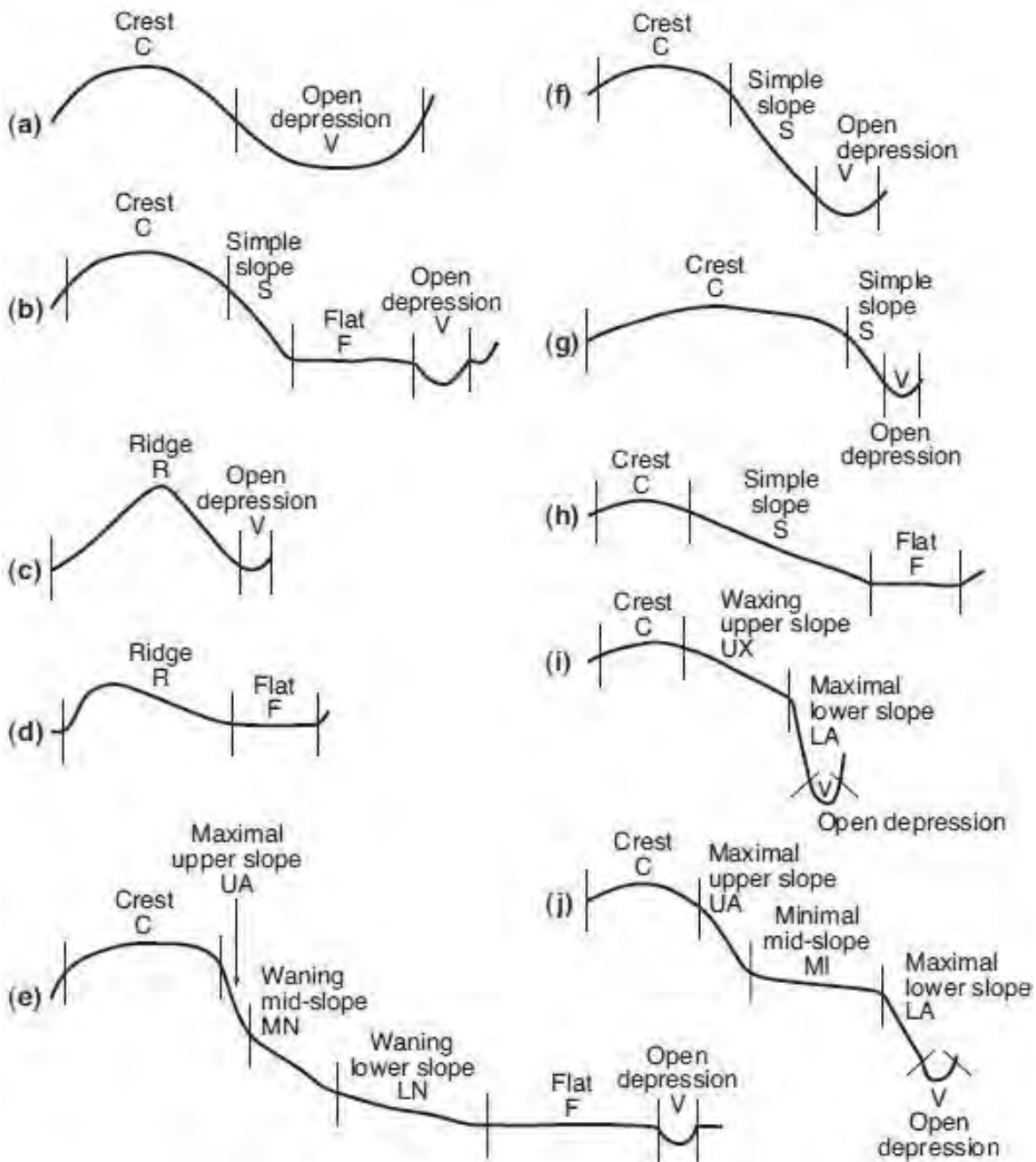


Figure 14 – Landform type

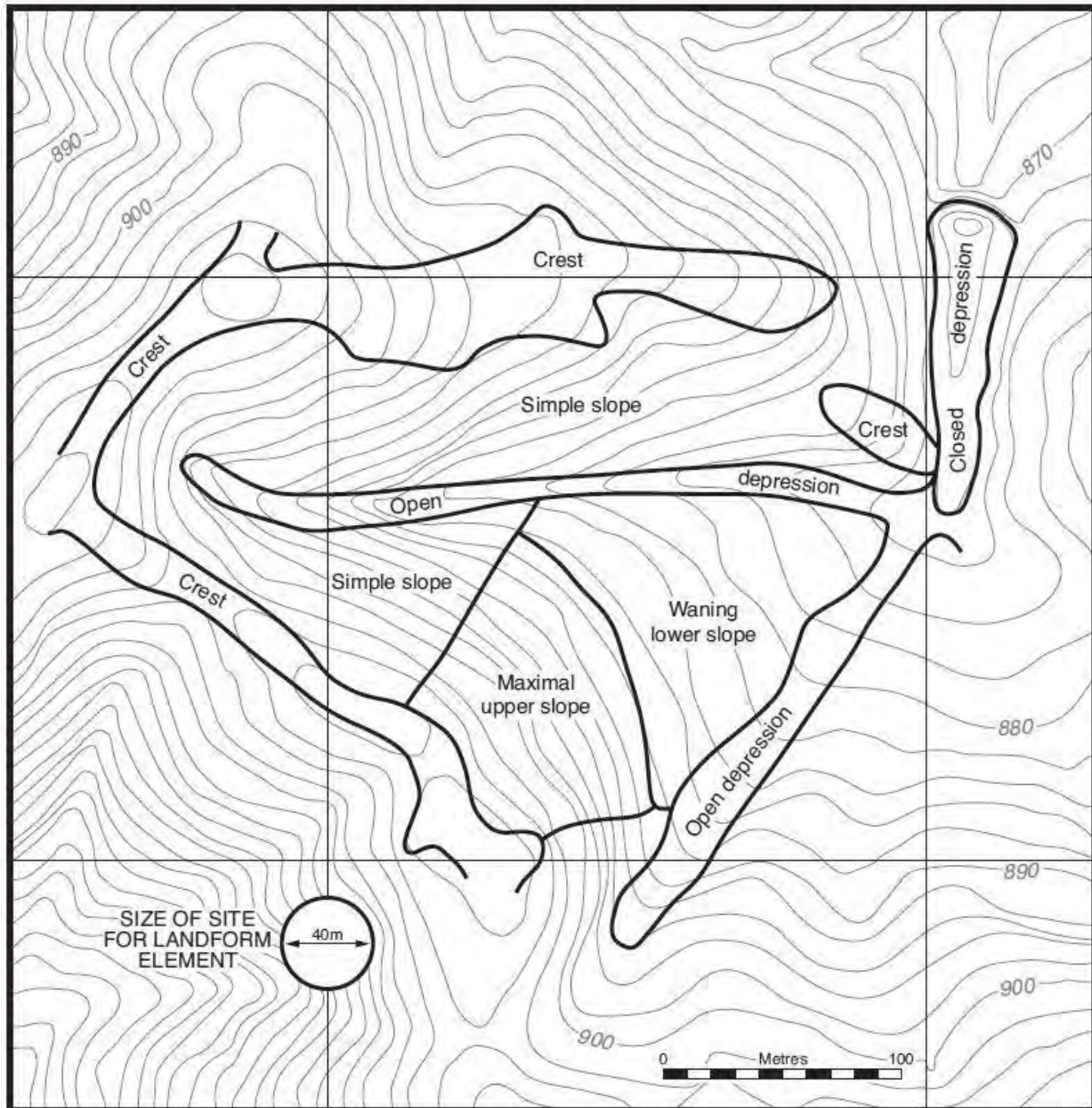


Figure 15 – Landform pattern.

3.4.1. Landform Summary

Mosman is located on a sandstone ridge which forms a peninsula between Port Jackson and Middle Harbour. The ridge rises to 80 m above sea level. The wider Taronga Zoo is on a ridge which slopes to Port Jackson to the south and west. The topography of the Zoo is heavily modified.

The subject area is upon a crest which slopes to the south and west. The main portions of the subject area, currently utilised as back of house facilities, are upon substantially modified topography with evidence of cutting and filling, as confirmed by geotechnical investigation.

3.5. ENVIRONMENTAL CONTEXT SUMMARY

The following conclusions can be drawn from the above review of the environmental context:

- The subject area sits upon the Gynea/Lambert soil landscape, which contains mixed sandy soils to a depth of approximately 30-100cm.
- The geotechnical investigation identified no natural soils within boreholes across the subject area. It should be noted that the terminology 'fill' does not always describe imported soils and the source of the fill may need to be further confirmed by geomorphological investigation.
- The subject area is upon the top of the Bradley's Head peninsula, with the wider zoo surrounded by Port Jackson to the west and south. Taylor's Gully is approximately 450m east of the subject area.
- The subject area is upon a crest which slopes to the south and west. The main portions of the subject area, currently utilised as back of house facilities, are upon substantially modified topography with evidence of cutting.

4. HISTORICAL CONTEXT

The following history provides a summary of the Aboriginal and historical land use of the Taronga Zoo area.

4.1. PAST ABORIGINAL LAND USE

The land upon which Taronga Zoo sits is within the traditional lands of the Kammeraegal (Cammaraigal, Gamaraigal) people, of the Guringai language group. The name ‘Taronga’ is reported to be the local Aboriginal word for ‘sea view’ (Watsford, 1920). The Cammeraigal people were custodians of the land and waterways of Mosman and North Sydney, including Cammeray, Balls Head (*yerroulbine*), Balmoral, Kirribilli and Cremorne (*wulwarrajeung*). The Cammeraigal people formed part of the Eora tribe. Radiometric dating provides dates of at least 5,800 years ago for sites with the North Sydney (*Cammera*) area (Hoskins, 2019). Early settler accounts of the Cammeraigal describe them thus:

Those who live on the north shore of Port Jackson are called Cam-mer-raygal, that part of the harbour being distinguished from others by the name of Cam-mer-ray. Of this last family or tribe we have heard Bennillong and other natives speak (before we knew them ourselves) as of a very powerful people, who could oblige them to attend wherever and whenever they directed. We afterwards found them to be by far the most numerous tribe of any within our knowledge. It so happened, that they were also the most robust and muscular” (Collins, 1798).

Primarily a water-based people, the Cammeraigal lived along the coast and rivers, fishing and hunting in the waters and hinterland areas (AHO, 2006). They subsisted primarily on aquatic resources and the high of middens located around this area attests to the importance of shellfish in the diets of Cammeraigal people. This would have been supplemented by a variety of seeds, fruits, nuts, rhizome and tubers. The sandstone topography of the area was equally as important – with overhangs and cliffs providing shelters to camp within. Other floral species would have been utilised for medicinal purposes and for the creation of shelters where sandstone overhangs were not present (Currie, 2008).

Archaeologically, over 1,000 sites across the lands of the Cammeraigal people attest to the extent of occupation and habitation in this area (Hoskins, 1920). Within Taronga Zoo, a number of Aboriginal sites are known to occur, attesting to the use of the area by the Cammeraigal people. The most common identified site type in the area are shelters with middens, reflective of the coastal environment and subsistence on aquatic life, as well as the importance of sandstone. The sandstone topography of the northern Sydney area did not only provide shelter, but also a place to share stories and ceremonies through art. A Rock Engraving of a whale/fish with a human figure inside identified near Balls Head (*yerroulbine*) upon a sandstone platform was described in the 1990s by a Bundjalung man:

This is a place of learning, a place of ceremonies, a place where the whales were sung in to shore. Whales beaching themselves in the Harbour were a great source of food. The man in the whale is a clever fella. It looks like he’s got a club foot, but that represents the feathers he wore on his feet so he did not make footprints... having no neck he was also the Creator” (Gerry Bostock, 1990, in Hoskins, 1920)

The Cammeraigal People interacted widely with neighbouring tribes. Inter-marriage between the Cadigal people of Sydney Harbour and the Cammeraigal people to the north were common and allowed Cammeraigal women to roam between the two territories even following European settlement. Barangaroo was one such notable Cammeraigal woman who, prior to European settlement of the north side of the harbour, frequented Sydney Cove and interacted with the Europeans there (Hoskins, 1920). Marriage was not the only unifying ritual for Aboriginal groups around the harbour – they also came together peacefully for feasting on beached whales and tooth evulsion ceremonies, an initiation ceremony for young boys involving the removal of a front tooth (Currie, 2008).

Personal communication with Aboriginal community members has identified that Bradley’s Head, the peninsula upon which Taronga Zoo is situated, played a significant role in the marriage rituals of young Cammeraigal women. Women would camp on the peninsula before embarking across the water to partake in marriage ceremonies around present-day Randwick. The whole of the Taronga Zoo area is significant to local Aboriginal people and has both intangible and tangible cultural heritage values for the way in which the land was utilised by Aboriginal people prior to and following European Settlement (Personal comm. Dennis Foley, 2021).

The impacts of colonisation were devastating for all Aboriginal people, but particularly for those groups living around the coast. With colonisation, Aboriginal people were forced away from their lands and the resources they relied upon. Settlement around the coast drove faunal resources further inland, reducing the traditional hunting grounds of local Aboriginal groups (Evidence, 1835). Further to this, diseases including smallpox and conflicts between local Aboriginals and colonisers decimated their population. Some estimations identify that only 10% of the Cammeragal population survived smallpox pandemics in the first 10 years following European settlement (University of Sydney, 2019). The smallpox epidemic changed much about Aboriginal life, including burial practices. Following the onset of smallpox within Cammeragal communities, funerary rites changed from the burial of the dead to cremation, to prevent the spread of disease. Some sources identify that the last surviving Cammeragal man was named Tarpot and lived in a cave near the barn at the head of Mosman Bay and survived to at least 1888 (Currie, 2008).

The Taronga Conservation Society Australia has made a concerted effort over the past many decades to acknowledge and pay respect to the traditional Aboriginal owners of the land on which they operate. The Taronga Zoo website includes a description of the Aboriginal history of the site and provides in depth information regarding Cammeragal people (Taronga Conservation Society Australia, 2020). As they acknowledge, *“Cammeragal were governed by and belonged to the land and all that it held, above and beneath the sandstone. Cammeragal people have lived in this area for thousands of years and continue to live nearby”* (TCSA, 2020).

4.2. EUROPEAN HISTORY

This history is summarised from the Historical Archaeological Assessment prepared by Urbis in 2021 for the subject area.

Taronga Zoo is located within the County of Cumberland, Parish of Willoughby. In 1837 a stone house known as ‘Athol’ was erected to the south of the subject area. This was later developed as a leisure destination with a hotel and pleasure garden. A Parish Map dating to c.1850s show that the subject area had by this time been incorporated within a land parcel granted in four allotments to Charles Jenkins and J. Holt. There is no evidence of structures being erected within the subject area in association with this period.

In 1879, a quarantine station for imported stock occupied a portion of the land to the south. By 1891 two stations were operational within the vicinity of the subject area; one near ‘Athol’ and another on the corner of Whiting Beach and Bradley’s Head Road. A freight tramline was established from Athol Wharf to the stations, which was utilised during zoo construction (GML, 2001).

In the 1890s, large portions of the land surrounding Sydney Harbour were resumed for Military Purposes including Bradley’s Head and the animal quarantine facilities which operated upon it. There is no evidence which suggests that any structures were established within the subject area in association with this period. Following federation in 1901, the Military Reserves were given to the Commonwealth. In 1908, Ashton Park, comprising 142 acres of public park land, was gazetted.

By 1916 when the Zoo was opened, the subject area was undeveloped. The wall was constructed in the 1930s as an interwar Depression incentive. By 1940 a Dromedary Camel enclosure and Hospital Section had been established within the south-western component of the subject area. An undated photograph of the compound indicates the location of a structure and fenceline with sandstone foundations on the site at this time (Figure 16). The extent of sub-surface disturbance associated with these features is indicated in Figure 17. Construction of the hospital building likewise required stepped excavation of the slope which characterised the site (Figure 18). A 1969 detail survey of the subject area shows that the site had been almost entirely developed by this date (Figure 19). The Camel enclosure and hospital buildings can be observed within the southern component of the site. A number of bird enclosures and ancillary structures occupied the area where the current Reptile facility is located. The northern component of the subject area contained an incinerator, in the area north of the current Reptile facility which is today occupied by an asphalt carpark.



Figure 16 – Dromedary Camel enclosure, undated.

Source: Taronga Zoo Archives

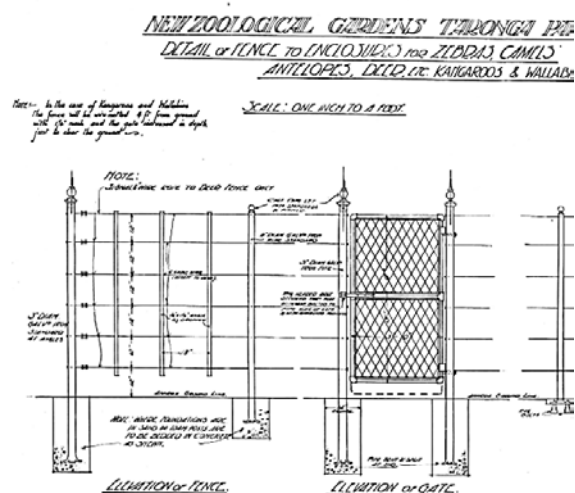


Figure 17 – Elevation of Dromedary camel enclosure indicating extent of sub-surface disturbance associated with gate and fenceline.

Source: Taronga Zoo Archives

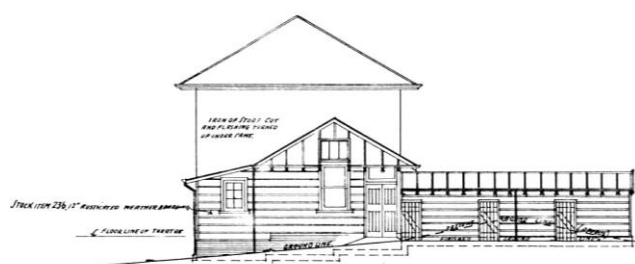


Figure 18 – Elevation of hospital building with extent of ground disturbance indicated with dotted line.

Source: Taronga Zoo Archives



Figure 19 – 1969 survey indicating the location of structures within the subject area including the Camel enclosure, hospital, bird enclosure and incinerator. The eastern component of the subject area remained vegetated at this time.
Source: Taronga Zoo Archives

A 1968 guidebook indicates that the Camel enclosure remained within the south-eastern component of the subject area. By 1970 a round timber Koala House had been constructed to the east of the Camel enclosure. Sub-surface disturbance associated with this structure included the excavation of a section of rock shelf and earth berming for the creation of level surfaces.

Throughout the 1970s and 1980s a number of workshops and storage structures were constructed within the northern component of the subject area. The landscape was levelled, and concrete slabs installed in order to accommodate these structures.

By 2016 the Camel enclosure and associated structures within the south-eastern component of the subject area had been removed and a large Serpentaria constructed (c.1993). for this the subject area was excavated and fill imported to level. The ring road along the south-eastern boundary had been partially removed and the animal enclosures to the south-east of the subject area had been removed and replaced with a large chimpanzee enclosure. The northern component of the subject area remained undeveloped.

4.3. HISTORICAL AERIAL ANALYSIS

The development of facilities within the subject area has caused substantial levels of ground disturbance. This is demonstrated through the analysis of historic aerals. Historic aerial images from 1930, 1961, 1990 and 2020 were analysed to develop an understanding of disturbance (see Figure 20). A summary of this analysis is included in Table 7.

Table 7 – Analysis of historical aerals

Year	Observation
1930	The 1930 aerial photograph indicates that the north-eastern component of the subject area was densely vegetated. In addition the bird enclosure is visible and there are small pockets of vegetation within the southern component of the subject area. The Dromedary Camel enclosure and Llama enclosure also appears to have been established within the southern component of the subject area by this time. Small structures in the western component of the subject area show yard structures that have been built.
1943	By 1943 a number of structures can be observed within the southern component of the subject area. The Dromedary Camel enclosure and Hospital can be observed to the south of the boundary wall. The bird enclosures and a number of ancillary structures are where the current Reptile facility is located. The northern component of the subject area remained largely unchanged.
1961	The north-eastern component of the subject area remained largely unchanged. The incinerator can be observed to the north of the rounded bird enclosure within the southern component of the site. Vegetation clearance can be observed to the north-east of the subject area with the establishment of a large structure. The subject area remained largely unchanged during this time.
1991	The subject area had undergone significant changes by 1991. To the north of the subject area, the land had been incorporated within the Zoo site and the boundary wall removed. The sloped and vegetated landscape had been levelled within the extended land and a number of workshops and storage structures erected. The incinerator had also been removed by this date. The Camel enclosure and Hospital structures remained extant within the central component of the site. A number of structures had been removed within the Camel enclosure. The rounded Koala House can be observed to the east of the former Camel enclosure.

4.4. SUMMARY OF DISTURBANCE

The subject area has been moderately disturbed by the existing and historic facilities of Taonga Zoo. Historical plans and elevations show that extensive disturbance including excavation and filling was required for the erection of facilities including the former Camel exhibit, the incinerator, the Koala house and the Serpentaria. Geotechnical investigation confirms the presence of fill across the majority of the subject area. Only the north-eastern portion of the subject area remains largely undisturbed.

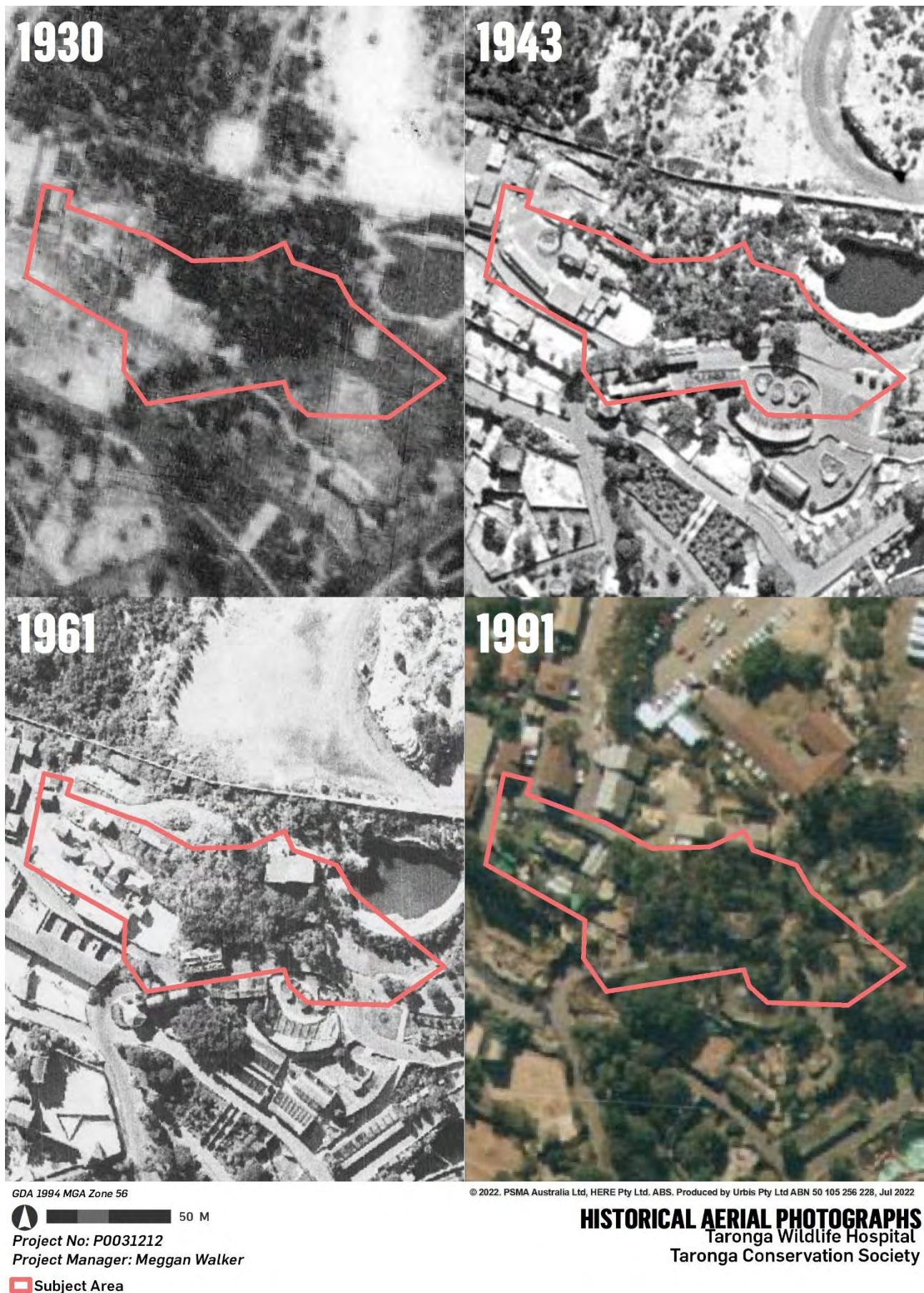


Figure 20 – Historic Aerials.

5. PREDICTIVE MODEL

The *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* requires that an appropriate predictive model be used when undertaking an ACHA. A predictive model is used to estimate the nature and distribution of evidence of Aboriginal land use in a subject area. The results produced by a predictive model can be used to identify potential archaeological deposits (PADs).

A predictive model should consider variables that may influence the location, distribution and density of sites, features or artefacts within a subject area. Variables typically relate to the environment and topography, such as soils, landscape features, slope, landform and cultural resources. The following predictions for the subject area have been formulated on the basis of previous assessments, regional models and the AHIMS data provided in Section 2.

There are several site types which are known to occur within New South Wales. These site types and their likelihood to occur within the subject area are evaluated in Table 9 below.

The general process archaeologists employ to determine the likelihood of any particular site type (artefact scatter, shelter, midden etc) to occur within a given subject area requires the synthesis of information for general distribution of archaeological sites within the wider area including:

- Detailed analysis of previous archaeological investigations within the same Region.
- Presence or absence of landscape features that present potential for archaeological resources (human occupation, use) such as raised terraces adjacent to permanent water.
- Analysis of the geology and soil landscape within the subject area which allows for a determination to be made of the type of raw material that would have been available for artefact production (silcrete, tuff, quartz etc) and the potential for the accumulation of archaeological resource within the subject area.
- Investigation of and determination of the level of disturbance/historical land use within the subject area which may impact on or remove entirely any potential archaeological material.

The combination of these would give us an indication of various levels of possibility of finding archaeological resource within a given area. Please refer to Table 8 below for an example of the indicative process of determining the likelihood of a given site occurring within a subject area.

Table 8 – Indicative process of determining the likelihood of a given site occurring within a subject area

Likelihood	Indicative subject area context	Indicative action
High	Low level of disturbance, presence of one or more archaeologically sensitive landforms (raised terrace adjacent to permanent water, sand dunes, rock shelter etc), presence of archaeologically sensitive soil landscape (Tuggerah, Blacktown, South Creek etc), presence of previously recorded archaeological site(s) and/or identification of previously unrecorded archaeological site(s) within the subject area	Detailed archaeological investigation including but not limited to survey, test excavation and potentially (depending on density and/or significance of archaeological deposit) salvage excavation.
Moderate	Moderate level of disturbance, presence of one or more archaeologically sensitive landforms (raised terrace adjacent to permanent water, sand dunes, rock shelter etc), presence of archaeologically sensitive soil landscape (Tuggerah, Blacktown, South Creek etc), presence of previously recorded archaeological site(s) and/or identification of previously unrecorded archaeological site(s) within the subject area	Detailed archaeological investigation including but not limited to survey, test excavation and potentially (depending on density and/or significance of archaeological deposit) salvage excavation.
Low	High level of disturbance, presence of one archaeologically sensitive landform (raised terrace adjacent to permanent water, sand dunes, rock shelter etc), presence of	Employ chance finds procedure and works can continue without further archaeological investigation.

Likelihood	Indicative subject area context	Indicative action
	archaeologically sensitive soil landscape (Tuggerah, Blacktown, South Creek etc).	
Nil	Complete disturbance, complete removal of natural soil landscape, zero archaeologically sensitive landform, geological or soil features. Zero previously recorded archaeological sites.	Employ chance finds procedure and works can continue without further archaeological investigation.

Table 9 – Predictive Model

Site Type	Description	Likelihood	Justification
Artefact Scatters	Artefact scatters represent past Aboriginal subsistence and stone knapping activities and include archaeological remains such as stone artefacts and hearths. This site type usually appears as surface scatters of stone artefacts in areas where vegetation is limited, and ground surface visibility increases. Such scatters of artefacts are also often exposed by erosion, agricultural events such as ploughing, and the creation of informal, unsealed vehicle access tracks and walking paths. These types of sites are often located on dry, relatively flat land along or adjacent to rivers and creeks. Camp sites containing surface or subsurface deposit from repeated or continued occupation are more likely to occur on elevated ground near the most permanent, reliable water sources. Flat, open areas associated with creeks and their resource-rich surrounds would have offered ideal camping areas to the Aboriginal inhabitants of the local area.	Low across majority of the subject area. Moderate in areas of natural undisturbed vegetation.	- In areas of high disturbance where cutting and filling is evident, there is low potential for artefact scatters to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits. - In the area of natural undisturbed vegetation potential is moderate as natural soils are likely to be present.
Isolated Finds	Isolated finds represent artefactual material in singular, one off occurrences. Isolated finds are generally indicative of stone tool production, although can also include contact sites. Isolated finds may represent a single item discard event or be the result of limited stone knapping activity. The presence of such isolated artefacts may indicate the presence of a more extensive, in situ buried archaeological deposit, or a larger deposit obscured by low ground visibility. Isolated artefacts are likely to be located on landforms associated with past Aboriginal activities, such as ridgelines that would have provided ease of movement through the area, and level areas with access to water, particularly creeks and rivers.	Low across majority of the subject area. Moderate in areas of natural undisturbed vegetation.	- In areas of high disturbance where cutting and filling is evident, there is low potential for isolated finds to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits. - In the area of natural undisturbed vegetation potential is moderate as natural soils are likely to be present.
PAD	Potential Archaeological Deposits (or PADs) are areas where there is no surface expression of stone artefacts, but due to a landscape feature there is a strong likelihood that the area will contain buried deposits of stone artefacts. Landscape features which may feature in PADs include proximity to waterways, particularly terraces and flats near 3rd order streams and above; ridge lines, ridge tops and sand dune systems.	Low across majority of the subject area. Moderate in areas of natural undisturbed vegetation	- In areas of high disturbance where cutting and filling is evident, there is low potential for PADs to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits. - In the area of natural undisturbed vegetation potential is moderate as natural soils are likely to be present.

Site Type	Description	Likelihood	Justification
Scarred Trees	Tree bark was utilised by Aboriginal people for various purposes, including the construction of shelters (huts), canoes, paddles, shields, baskets and bowls, fishing lines, cloaks, torches and bedding, as well as being beaten into fibre for string bags or ornaments (sources cited in Attenbrow 2002: 113). The removal of bark exposes the heart wood of the tree, resulting in a scar. Trees may also have been scarred in order to gain access to food resources (e.g. cutting toe-holds so as to climb the tree and catch possums or birds), or to mark locations such as tribal territories. Such scars, when they occur, are typically described as scarred trees. These sites most often occur in areas with mature, remnant native vegetation. The locations of scarred trees often reflect an absence of historical clearance of vegetation rather than the actual pattern of scarred trees. Carved trees are different from scarred trees, and the carved designs may indicate totemic affiliation (Attenbrow 2002: 204); they may also have been carved for ceremonial purposes or as grave markers.	Low	While there is a stand of remnant natural vegetation within the subject area, scarred trees are rare in the regional context and it is therefore determined to be unlikely that scarred trees would occur within the subject area. No scarred trees have been sighted during the site visits.
Axe Grinding Grooves	Grinding grooves are the physical evidence of tool making or food processing activities undertaken by Aboriginal people. The manual rubbing of stones against other stones creates grooves in the rock; these are usually found on flat areas of abrasive rock such as sandstone. They may be associated with creek beds, or water sources such as rock pools in creek beds and on platforms, as water enables wet-grinding to occur.	Low	While there are sandstone platforms within the subject area, axe grinding grooves are rare in the regional context and therefore unlikely to occur within the subject area.
Bora/Ceremonial	Aboriginal ceremonial sites are locations that have spiritual or ceremonial values to Aboriginal people. Aboriginal ceremonial sites may comprise natural landforms and, in some cases, will also have archaeological material. Bora grounds are a ceremonial site type, usually consisting of a cleared area around one or more raised earth circles, and often comprised of two circles of different sizes, connected by a pathway, and accompanied by ground drawings or mouldings of people, animals or deities, and geometrically carved designs on the surrounding trees.	Low	It is likely that high levels of disturbance will have removed any evidence of bora or ceremonial sites within the subject area.
Burial	Aboriginal burial of the dead often took place relatively close to camp site locations. This is due to the fact that most people tended to die in or close to camp (unless killed in warfare or hunting accidents), and it is difficult to move a body long distance. Soft, sandy soils on, or close to, rivers and creeks allowed for easier movement of earth for burial; and burials may also occur within rock shelters or middens. Aboriginal burial sites may be marked by stone cairns, carved trees or a natural landmark. Burial sites may also be identified through historic records or oral histories.	Low	The majority of the subject area is highly disturbed. There is also an absence of suitable landscape features for burial across the subject area. As such, burials are determined to be unlikely.

Site Type	Description	Likelihood	Justification
Contact site	These types of sites are most likely to occur in locations of Aboriginal and settler interaction, such as on the edge of pastoral properties or towns. Artefacts located at such sites may involve the use of introduced materials such as glass or ceramics by Aboriginal people or be sites of Aboriginal occupation in the historical period.	Low across majority of the subject area. Moderate in areas of natural undisturbed vegetation.	- In areas of high disturbance where cutting and filling is evident, there is low potential for contact sites to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits. - In the area of natural undisturbed vegetation potential is moderate as natural soils are likely to be present.
Midden	Midden sites are indicative of Aboriginal habitation, subsistence and resource extraction. Midden sites are expressed through the occurrence of shell deposits of edible shell species often associated with dark, ashy soil and charcoal. Middens often occur in shelters, or in eroded or collapsed sand dunes. Middens occur along the coast or in proximity to waterways, where edible resources were extracted. Midden may represent a single meal or an accumulation over a long period of time involving many different activities. They are also often associated with other artefact types.	Low across majority of the subject area. Moderate in areas of natural undisturbed vegetation.	- In areas of high disturbance where cutting and filling is evident, there is low potential for middens to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits. - In the area of natural undisturbed vegetation potential is moderate as natural soils are likely to be present.
Art	Art sites can occur in the form of rock engravings or pigment on sandstone outcrops or within shelters (discussed below). An engraving is some form of image which has been pecked or carved into a rock surface. Engravings typically vary in size and nature, with small abstract geometric forms as well as anthropomorphic figures and animals also depicted (DECCW, 2010c). In the Sydney region engravings tend to be located on the tops of Hawkesbury Sandstone ridges where vistas occur. Pigment art is the result of the application of material to a stone to leave a distinct impression. Pigment types include ochre, charcoal and pipeclay. Pigment art within the Sydney region is usually located in areas associated with habitation and sustenance.	Low across majority of the subject area. Moderate in areas of natural undisturbed vegetation.	- It is unlikely that the sandstone platform present within the subject area would contain art sites. - No sandstone platforms with art have been sighted during the site visit or previous assessments at the zoo. - There is moderate potential for art sites including engravings to occur at the subject area in areas of undisturbed

Site Type	Description	Likelihood	Justification
Shelters	Shelter sites are places of Aboriginal habitation. They take the form of rock overhangs which provided shelter and safety to Aboriginal people. Suitable overhangs must be large and wide enough to have accommodated people with low flooding risk. Due to the nature of these sites, with generic rock overhangs common particularly in areas with an abundance of sandstone, their use by Aboriginal people is generally confirmed through the correlation of other site types including middens, art, PAD and/or artefactual deposits.	Nil-low	vegetation, where they may occur on buried sandstone platforms. ▪ The sandstone platform/outcrop present within the subject area has been inspected and does not contain any suitable overhangs.

5.1. SUMMARY

The predictive model has been developed on the basis of the regional and local context of the subject area, and the specific environmental and archaeological conditions of the subject area. The predictive model has identified that, resulting from historic disturbance activities and the existing environmental context, there is **low-moderate** Aboriginal archaeological potential across the subject area.

6. CONSULTATION PROCESS

The consultation for this project was undertaken in conjunction with consultation for the Nutrition Centre project, until October 2021 when the projects were separated into two. At the time of the division, consultation had been completed in accordance with the Consultation Guidelines up to Stage 2: Presentation of Information about the Proposed Project and Stage 3: Gathering Information about the Proposed Project of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (Consultation Requirements, DECCW:2010), with the Stage 2 and 3 Providing and Gathering Information document provided to Registered Aboriginal Parties (RAPs) on 7th June 2021. The site survey was also undertaken for both sites concurrently, on 6th July 2021. A letter was provided to RAPs on 13th October 2021 to explain the division of the projects into two separate SSDAs and therefore separate ACHAs. This is discussed in Section 6.5 below.

6.1. STAGE 1: NOTIFICATION OF PROJECT PROPOSAL AND REGISTRATION OF INTEREST

6.1.1. Government Organisation Contact

The aim of Stage 1 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 subject area.

A search of the Native Title Tribunal was undertaken on 3rd February 2021. This search identified the subject area as freehold tenure which extinguishes native title.

To identify Aboriginal people who may be interested in registering as Aboriginal parties for the project, the organisations stipulated in Section 4.1.2 of the Consultation Guidelines were contacted (refer to Table 10).

Table 10 – Contacted Organisations

Organisation	Date notification sent	Date Response Received
Office of the Registrar, Aboriginal Land Rights Act 1983	8/02/21	10/02/21
Department of Planning, Industry and Environment, Greater Sydney Branch, Communities and Greater Sydney Division	8/02/21	18/02/21
NTS Corp	8/02/21	N/A
Metropolitan Local Aboriginal Land Council	8/02/21	N/A
Local Land Services, Greater Sydney	8/02/21	N/A
Mosman Council	8/02/21	N/A
National Native Title Tribunal	3/02/21	4/02/21

The template for the emails sent to the above-mentioned organisations is at A total of 42 Aboriginal groups and individuals with an interest in the subject area were identified following this stage. These groups were contacted, with further information presented at Section 6.1.2 below.

6.1.2. Registration of Interest

In accordance with Section 4.1.3 of the Consultation Guidelines, letters were sent to the 43 Aboriginal groups and individuals on 22nd February 2021 via email or post (depending on the method identified by each group), to notify them of the proposed project. A total of 44 were sent via email, with 3 sent by express post. The letters afforded a response time of over 14 days, being 10th March 2020, in accordance with the 14-day minimum requirement. The letter template is shown at Appendix C and includes a brief introduction to the project and the project location.

A total of 12 groups registered interested in the project as a result of this phase within the nominated timeframe (refer Table 11).

Table 11 – Stage 1 Consultation – Registration of Interest

Organisation / Individual	Contact Person
Metropolitan Local Aboriginal Land Council (MLALC)	Selina Timothy
A1 Indigenous Services (A1)	Carolyn Hickey
Kamilaroi Yankuntjatjara Working Group	Phil Khan
Didge Ngunawal Clan	Lillie Carroll and Paul Boyd
Ginninderra Aboriginal Corporation (GAC)	Steven Johnson and Krystle Carroll
Wailwan Aboriginal Group (WAG)	Philip Boney
Ngambaa Cultural Connections (NCC)	Kaarina Slater
TAAG	Dennis Foley
Butucarbin Aboriginal Coproration (BAC)	Jennifer Beale
MurraBidgeeMullangari	Ryan Johnson
Gulaga	Wendy Smith
Goobah	Basil Smith
Total	12

6.1.3. Public Notice

In accordance with Section 4.1.3 of the Consultation Guidelines, Urbis sought to publish an advertisement in one local newspapers. However, due to the Coronavirus pandemic which had dramatic impacts on early 2020, public newspapers were no longer publishing at this time. As a result, a public notice was place in the KooriMail, which was identified as the most appropriate alternative.

The notice was published on the 24th February 2021, and registration remained open until 10th March 2021, providing 14 days to register an interest in accordance with the Consultation Requirements. A copy of the advertisement is included at Appendix C.

0 responses to the newspaper advertisement were received.

The list of Registered Aboriginal Parties (RAPs) was provided to DPIE and the Metropolitan Local Aboriginal Land Council on the 24th May 2021 (see Appendix C).

6.2. STAGE 2: PRESENTATION OF INFORMATION ABOUT THE PROJECT

The aim of Stage 2 is to provide registered Aboriginal parties with information about the scope of the proposed project, and the proposed cultural heritage assessment process. A Stage 2 Information Pack which included a brief introduction to the project, the project location, and AHIMS search result to provide understanding of the registered cultural sites in the local area, was sent to registered Aboriginal parties via email on the 7th June 2021. Request for response to the Stage 2/3 Information Packet was set to 5th July 2021.

The Information Pack was prepared as a combination of Stage 2 and 3 of the Consultation Guidelines, and included the following information:

- Project overview, location and purpose.

- Proposed works.
- Brief environmental and historical background.
- Notification of the site inspection.
- Protocol of gathering information on cultural heritage significance.
- Request for comment on methodology and recommendations for site investigation, and request for any cultural information the respondent wished to share.

The letter is included at Appendix C of this report.

6.3. STAGE 3: GATHERING INFORMATION ABOUT THE PROPOSED PROJECT

Stage 3 is concerned with gathering feedback on a project, proposed methodologies, and obtaining any cultural information that registered Aboriginal parties wish to share. This may include ethno-historical information, or identification of significant sites or places in the local area. Two responses were received to the Stage 2 and 3 Information Pack.

These responses are included in Appendix C and addressed in Table 12 below.

Table 12 – Response to Stage 2 and 3 documents

RAP	Response	Urbis Response
Wendy Smith, Gulaga	<i>Received, thank you.</i>	We acknowledge your response and thank you for your time in reviewing the Stage 2 and 3 document. We will keep all RAPs informed of the progress of the project
Kadibulla Khan, KYWG	<i>Thank you for your ACHA regarding Taronga Zoo, Aboriginal people have walked this land for tens of thousands of years and continue to do so. We have a spiritual connection to the land, sky and water ways along with the flora and furan. We care for the land and all that she holds, giving back to mother earth as she provides for us, we follow the water ways and are guided by the sky. Water ways are highly important to Aboriginal people, they provide us with fresh water, food, we birthed in the water ways and we hunted and gathered near by these water ways.</i> <i>The study area is significant to us Aboriginal people and for this reason we would like to agree to your recommendations of excavating in the area under the large fallen bolder, this area has possible undisturbed soils and should be further investigated.</i> <i>It is important to promote Aboriginal culture and highlight cultural aspects most defiantly in this case as it is a place of education and has visitors from all over the world. Interpretation can be achieved in the form of art, native gardens, digital displays etc. please do not hesitate in contacting us about interpretation. We are happy with the proposed works of the site and the interpretation plans.</i> <i>We agree to your recommendations and support your report. We look forward to working alongside you on this project.</i>	Urbis acknowledge the long and vibrant history of Aboriginal people in Australia and their care for the land. We acknowledge the significance of waterways and the environment. We pay our respects to Elders past, present and emerging. We acknowledge the cultural significance of the land and its resources. We acknowledge your comments regarding the cultural significance of the subject area, and the resources it would have provided historically. We note that the comments regarding the boulder apply to the RACC site and are not relevant for this project. Regarding interpretation, the proposed development will include interpretation, the details of which will be finalised throughout the process of the design development. This will be subject to a detailed interpretation strategy to be developed in conjunction with the TAAG. This may include signage along the elevated walkway within the area of remnant natural vegetation. We thank you for your time in reviewing the Stage 2 and 3 document and for your support.

6.4. SITE INSPECTION

Two site inspections were undertaken for this project. The first was a preliminary site inspection with Dennis Foley, on 23rd February 2021. This was a preliminary site inspection to discuss the site and the project and provide the opportunity for comments regarding cultural heritage to be heard and received.

The second site inspection was provided for open to all RAPs on the 6th July 2021. Communication was initiated on 1st July and request was sent for providing all necessary documentation and information to the Proponent by the end of 5th July 2021 with the 6th July was nominated for the site visit. Due to the Covid-19 lockdown of Sydney at the time and restrictions associated with this, the site visit was undertaken with 1 RAP at a time accompanied by 1 Urbis archaeologist and the Proponent. 4 RAPs confirmed attendance and were scheduled in one-hour blocks from 10am-2pm. 3 RAPs were able to attend with the fourth (Lowanna Gibson, Butucabin Aboriginal Corporation) being unwell on the day and therefore unable to attend.

Table 13 below identifies the site visit attendees. An in-depth overview of the site visit is included in Section 7. This overview was also sent to all RAPs due to the circumstances with an invitation to provide final comment. This is included in Appendix C. One response to this letter was received (from KYWG) and identified support of the recommendations, and is included in Section Appendix C.

Table 13 – Stage 3 Site Visit – Attendees

Organisation	Attendee
Kamilaroi Yankuntjatjara Working Group.	Kadibulla Khan
MurraBidgeeMullangari	Kody Mcutchen King
Didge Ngunawal Clan	Joleen Smith

6.5. PROJECT UPDATE

In October 2021 the project was divided from one site comprising the Taronga Wildlife Hospital (TWH) Nutrition Centre and Wildlife Hospital, to two separate sites. As consultation to this point had discussed the site as a whole, a letter was provided to RAPs on 13th October 2021 providing the details of the division of the project, with a two-week comment period to close on the 29th October 2021.

The letter outlined the project history to date; preliminary findings of the desktop assessment, site survey and consultation; preliminary conclusions of the assessments; and the broad timeframe for the development of each project.

Additional phone calls were made to all RAPs who had not yet provided response on the 22nd and 25th of October 2021 to discuss these changes and ensure all RAPs were updated on the project developments and all questions answered. Phone calls are included in the Consultation Log included in Appendix Appendix D. Contact was made with Dennis Foley, A1 Indigenous Services, Ngambaa Cultural Connections, KYWG and Butucabin, and a further two responses were received by Gulaga and DNC via email in response to the project update. Comments received were generally supportive of the division into two projects and no comments were received in opposition to this approach.

The letter and provided responses are included in Appendix C.

6.6. STAGE 4: REVIEW OF DRAFT ACHA REPORT

The aim of Stage 4 is to prepare and finalise an ACHAR with input from registered Aboriginal Parties.

This Draft ACHAR will be provided to all groups who registered, and a minimum 28 days is stipulated for receiving submissions. It is noted that the time allowed for comment should reflect the size and complexity of the project. Submissions may be made in writing, or verbally, and are to be included in the final ACHAR. Responses from the Proponent are also required to be included in a final ACHAR in Appendix C.

Following inclusion of comments from the Aboriginal Parties, the final ACHAR is to be provided to DPIE, in conjunction with an AHIP application as required.

A Stage 4 Draft ACHAR for the Wildlife Hospital was sent to registered Aboriginal parties via email on 13 July 2022. Request for response to the Stage 4 Draft ACHAR was set to 10 August 2022.

Table 14 – RAP feedback and Urbis reply during Stage 4 Draft ACHAR review.

RAP	Comment	Reply
Murrabidgee Mullangari, Darleen Johnson	I have read the project information and ACHAR for the above project, I endorse the recommendations made.	Urbis thanks Murrabidgee Mullangari for their time in reviewing the ACHA, and for their support and your contribution to this project.
Dennis Foley	Again a concise and professional Report, this is wonderful, you have included comments and outside research. It is unlikely that any archaeological evidence will be found however it was a high occupancy area. Any land disturbance is against Indigenous beliefs however your report has correctly identified the how when and whys, my family have no objection to your report.	Urbis thank Dennis for his response and time in reviewing the ACHA. We appreciate the support of yourself and your family in our recommendations and conclusions.

7. SITE SURVEY

7.1. PRELIMINARY SITE SURVEY

A preliminary site survey was undertaken on 23rd February 2021, with Dennis Foley from the Taronga Zoo Aboriginal Advisory Group, Taronga Zoo representatives and two Urbis archaeologists, Balazs Hansel and Meggan Walker.

The survey was preliminary and intended to gain relevant project and cultural information regarding the subject area. The meeting involved discussion regarding the site and a preliminary inspection. The survey confirmed low ground surface visibility across the site owing to coverage by existing exhibits, back of house facilities, and vegetation. The survey confirmed the presence of a stand of remnant natural vegetation, within which mostly unmodified sandstone outcrops were located. During the Survey, Dennis raised concerns surrounding the sandstone outcrops, particularly with reference to the potential for the area as an ochre extraction site, and the likelihood that spirits lived within the sandstone. Dennis expressed that the sandstone should not be impacted by any development.

During the site visit, Dennis identified that the whole of Taronga Zoo grounds and the wider Bradley's Head has intangible cultural heritage value, which should be acknowledged and respected. Dennis requested that geotechnical investigation results should be analysed for evidence of shell or charcoal.



Figure 21 – coverage by existing exhibits.

Source: Urbis, 2021



Figure 22 – Sandstone outcrop within the subject area.

Source: Urbis, 2021



Figure 23 – Sandstone outcrop within the subject area.

Source: Urbis, 2021



Figure 24 – Low visibility due to back of house facilities including asphalt coverage.

Source: Urbis, 2021

7.2. STAGE 2 AND STAGE 3 SITE SURVEY

The site survey involved an overview of the project location and proposed works, followed by a walk over of the subject area and a discussion of the site conditions. The site surveys were conducted individually in 1 hour (maximum) blocks due to Covid-19 protocols and requirements.

For the purposes of discussion, the subject area has been divided into three main areas, as follows:

- The back of house facilities (survey unit 1).
- The existing reptile house (Serpentaria, c.1993) (survey unit 2).
- The natural vegetation area (survey unit 3).

The remaining area to the south-east was not inspected as no works are proposed in this area.

In general, the site visit was restricted to pathways to avoid risk from animal enclosures.

The site visit concluded that the Wildlife Hospital and elevated footpath were the most appropriate place for any interpretation materials as they will be public facing areas, while the back of house facilities will be restricted access only.



Figure 25 – Site plan. Approximate location of subject area outlined in dark blue. Survey unit 1 indicated in pink, survey unit 2 indicated in blue and survey unit 3 indicated in yellow.

7.2.1. Survey Unit 1 - Back of House Area

Survey Unit (SU) 1 is towards the north-west of the site and comprised existing back of house facilities. SU1 is located on the top of the slope with a highly modified landscape. In general, it was concluded that the area is highly disturbed, with land modification evident through the construction of buildings, as well as services and disturbance through the impact of previous facilities including the incinerator known to have existed on the site. The entirety of this area was covered by buildings or asphalt and so no in-depth survey of the ground surface was possible, as Ground Surface Visibility (GSV) was 0%.

The site visit and assessment concluded that SU1 is likely highly disturbed and contaminated, with no further works determined to be necessary in this area. This conclusion was broadly supported by RAPs on site. One group (Kamilaroi Yankuntjatjara Working Group) did express a desire for monitoring to occur as a last resort in this area. This is not considered necessary due to the high disturbance but will be discussed with the TCSA further throughout the process. Test excavation was not deemed necessary due to the high potential of contaminants and the low potential for Aboriginal archaeological resources to occur.

There are therefore no further Aboriginal archaeological works proposed for SU1 at this stage, and works can proceed as required.



Figure 26 –General view, back of house area, with services evident. Aspect: north.



Figure 27 – Building cut into modified landscape. Aspect: south.



Figure 28 – Existing chimpanzee night house facility. Aspect: east.



Figure 29 – Back of house facility. aspect: south.

7.2.2. Survey Unit 2 - Existing Reptile House (Serpentaria, c.1993)

SU2 is down-slope from the back of house area. The footprint of the existing building is highly disturbed, with the construction of present facilities likely resulting in the removal of natural soils. The entirety of SU2 is currently covered by the reptile house facilities and so no in-depth survey of the ground surface was possible as GSV was 0%. The site visit and assessment concluded that this area is likely highly disturbed, with no further works determined to be necessary in this area. This conclusion was supported by RAPs on site.

There are therefore no further Aboriginal archaeological works proposed for SU2 at this stage, and works can proceed as required.



Figure 30 – Rear of existing reptile house with services evident. Aspect: south.



Figure 31 – Existing reptile house with excavated enclosure. Aspect: west.

7.2.3. Survey Unit 3 - Natural Vegetation Area

SU3 comprised the portion of vegetation to the south-east of the back of house area and east of the reptile house. This area comprises one of the only remnant natural vegetation areas left within the Taronga Zoo grounds. This area includes bushland vegetation and sandstone outcrops and platforms. No overhangs suitable for occupation were identified.

The archaeological assessment has identified this area to be of high archaeological potential. The only works proposed in this area include the removal of intrusive elements (mock-rock and exhibits), the construction of an elevated walkway, and potentially the demolition of the existing Koala Walkabout (subject to built heritage approval). Small non-intrusive exhibits may also be placed in areas of existing exhibits subject to detailed design. In previous meetings with RAPs (Dennis Foley – Taronga Aboriginal Advisory Committee Chairperson), the sandstone outcrops were identified as culturally significant, with the crevices of the outcrops identified as a space where spirits may live.

The site visit concluded that SU3 represents one of the only intact landscape areas across the Zoo and is of cultural significance. As such, the following is recommended for SU3:

- No major works are to occur in this area and rock platforms are to be avoided.
- Inspection of the rock platforms should occur once the area is made safe (exhibits decommissioned and access restricted) to identify any potential markings which could then form part of an interpretation plan for the site.
- The elevated footpath is highly supported to allow visitors to immerse themselves in the natural environment. This should be supported by interpretation plaques across the footpath which detail the Aboriginal history of the area as well as providing information on native vegetation. An interpretation strategy should be developed in conjunction with the Taronga Aboriginal Advisory Committee (TAAG).
- Monitoring of the footing installation should occur for the elevated footpath.



Figure 32 – Natural sandstone with mock rock intrusion (to be removed). Aspect: north.



Figure 33 – Natural sandstone ledge to the north of Crocodile enclosure. Aspect: east.



Figure 34 – Rock outcrops and unmodified vegetation. Aspect: west.



Figure 35 – Rock outcrops and unmodified vegetation, with Koala Walkabout footpath to right of frame. Aspect: north.

7.3. SURVEY SUMMARY

The surveys of the subject area identified the following:

- The existing back of house and reptile house areas are highly disturbed. No further archaeological investigation is deemed necessary in these areas.
- The remnant area of natural vegetation is largely undisturbed and as such archaeological potential is retained.
- The remnant area of natural vegetation is also culturally significant as one of the only remaining areas of natural undisturbed land within the Zoo boundaries, with specific significance noted associated with crevices in rock outcrops.
- The elevated footpath is highly supported to allow visitors to immerse themselves in the natural environment. This should be supported by interpretation plaques across the footpath which detail the Aboriginal history of the area as well as providing information on native vegetation.
- Resulting from the identified archaeological potential and cultural significance of the area of remnant vegetation, the following recommendations were agreed during the site visit with RAPs:
 - No major works are to occur in this area and rock platforms are to be avoided.
 - Inspection of the rock platforms should occur once the area is made safe (exhibits decommissioned and access restricted) to identify any potential markings which could then form part of an interpretation plan for the site.

- An interpretation strategy should be developed in conjunction with the Taronga Aboriginal Advisory Committee (TAAG).
- Monitoring of the footing installation should occur for the elevated footpath.

8. CULTURAL HERITAGE VALUES AND STATEMENT OF SIGNIFICANCE

8.1. METHODS OF ASSESSING HERITAGE SIGNIFICANCE

Heritage significance is assessed by considering each cultural, or archaeological site, against the significance criteria set out in the Assessment Guidelines. In all cases, the assessment of significance detailed below is informed by the Aboriginal community, which is documented in this report. If any culturally sensitive values were identified they would not be specifically included in the report, or made publicly available, but would be documented and lodged with the knowledge holder providing the information.

8.2. ASSESSMENT FRAMEWORK

The Burra Charter (Australia ICOMOS 1999) defines the basic principles and procedure to be observed in the conservation of important places. It provided the primary framework within which decisions about the management of heritage sites should be made. The Burra Charter defines cultural significance as being derived from the values listed below.

8.2.1. Social or 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 values is how people express their connection with a place and the meaning that place has for them.

Places of social or cultural value have associations with contemporary community identity. These places can have associations with tragic or warmly remembered experiences, periods, or events. Communities can experience a sense of loss should a place of social or cultural value be damaged or destroyed.

There is not always a consensus about a place's social or cultural value. When identifying values, it is not necessary to agree with or acknowledge the validity of each other's values, but it is necessary to document the range of values identified.

Social or cultural values can only be identified through consultation with Aboriginal people. This could involve a range of methodologies, such as cultural mapping, oral histories, archival documentation and specific information provided by Aboriginal people specifically for the investigation.

When recording oral history:

- Identify who was interviewed and why.
- Document the time, place and date the interview was conducted.
- Describe the interview arrangements (the number of people present, recording arrangements, information access arrangements).
- Provide a summary of the information provided to the person being interviewed.
- Summarise the information provided by each person interviewed.

More information on conducting oral history projects can be found in OEH's publication *Talking history: oral history guidelines*.

Occasionally information about social value may not be forthcoming. In these circumstances, document the consultation process but make it clear in the discussions and conclusions about social value that this was the case.

8.2.2. Historic Value

Historic value refers to the associations of a place with a historically important person, event, phase or activity in an Aboriginal community. Historic places do not always have physical evidence of their historical importance (such as structures, planted vegetation or landscape modifications). They may have 'shared' historic values with other (non-Aboriginal) communities.

Places of post-contact Aboriginal history have generally been poorly recognised in investigations of Aboriginal heritage. Consequently, the Aboriginal involvement and contribution to important regional historical themes is often missing from accepted historical narratives. This means it is often necessary to collect oral histories along with archival or documentary research to gain a sufficient understanding of historic values.

8.2.3. Scientific (Archaeological) Value

This refers to the importance of a landscape, area, place or object because of its rarity, representativeness and the extent to which may contribute to further understanding and information (Australian ICOMOS 1988).

Information about scientific values will be gathered through any archaeological investigation undertaken. Archaeological investigations must be carried out according to OEH's *Code of practice for archaeological investigation of Aboriginal objects in NSW*.

Scientific significance, also referred to as archaeological significance, is determined by assessing an Aboriginal heritage site or area according to archaeological criteria. The assessment of archaeological significance is used to develop appropriate heritage management and impact mitigation strategies.

Criteria for archaeological significance have been developed in accordance DPIE guidelines, as shown in, Table 15 below.

Table 15 – Scientific (archaeological) significance criteria

Significance Criteria	Description
Research Potential	Does the evidence suggest any potential to contribute to an understanding of the area and/or region and/or state's natural and cultural history?
Representativeness	How much variability (outside and/or inside the subject area) exists, what is already conserved, how much connectivity is there?
Rarity	Is the subject area important in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practised? Is it in danger of being lost or of exceptional interest?
Education Potential	Does the subject area contain teaching sites or sites that might have teaching potential?
Condition	What is the condition of the site? Does it appear to have been impacted/altered?

8.2.4. Aesthetic Value

This refers to sensory, scenic, architectural, and creative aspects of the place. It is often closely linked with the social values. It may consider form, scale, colour, texture and material of the fabric or landscape, and the smell and sounds associated with the place and its use (Australian ICOMOS 1988).

8.3. IDENTIFYING VALUES

The information collected in the background review of the project can be used to help identify these values. The review of background information and information gained through consultation with Aboriginal people should provide insight into past events. These include how the landscape was used and why any identified Aboriginal objects are in this location, along with contemporary uses of the land.

Information gaps are not uncommon and should be acknowledged. They may require further investigation to adequately identify the values present across the subject area. It may be helpful to prepare a preliminary values map that identifies, to the extent of information available, the:

- Known places of social, spiritual, cultural value, including natural resources of significance.

- Known historic places.
- Known Aboriginal objects and/or declared Aboriginal places.
- Potential places/areas of social, spiritual, cultural value, including natural resources, historic or archaeological significance.

Places of potential value that are not fully identified or defined should be included as 'sensitive' areas to target further investigation.

8.4. ASSESSING VALUES AND SIGNIFICANCE

This stage is used to assess and discuss the cultural significance of the values identified during the identification and assessment of cultural significance by consulting Aboriginal people and to prepare a statement of significance. The assessment of values is a discussion of what is significant and why. An assessment of values is more than simply restating the evidence collected during the background review and identification of values stages of the project. Rather, the assessment should lead to a statement of significance that sets out a succinct summary of the salient values that have been identified.

The assessment and justification in the statement of significance must discuss whether any value meets the following criteria (NSW Heritage Office 2001):

- Does the subject area have a strong or special association with a particular community or cultural group for social, cultural or spiritual reasons? – social value.
- Is the subject area important to the cultural or natural history of the local area and/or region and/or state? – historic value.
- Does the subject area have potential to yield information that will contribute to an understanding of the cultural or natural history of the local area and/or region and/or state? – scientific (archaeological) value.
- Is the subject area important in demonstrating aesthetic characteristics in the local area and/or region and/or state? – aesthetic value.

Assessment of each of the criteria (above) should be graded in terms that allow the significance to be described and compared; for example, as high, moderate, or low. In applying these criteria, consideration should be given to:

- Research potential: does the evidence suggest any potential to contribute to an understanding of the area and/or region and/or state's natural and cultural history?
- Representativeness: how much variability (outside and/or inside the subject area) exists, what is already conserved, how much connectivity is there?
- Rarity: is the subject area important in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practised? Is it in danger of being lost or of exceptional interest?
- Education potential: does the subject area contain teaching sites or sites that might have teaching potential?

Then discuss what is significance and why – this should be summarised into a statement of significance.

Thus, the statement of significance is a succinct summary of the salient values drawn from the identification of values.

8.4.1. Assessment of Cultural Heritage Significance and Values

An assessment of cultural heritage significance and values incorporates a range of values which may vary for different individual groups and may relate to both the natural and cultural characteristics of places or sites. Cultural significance and Aboriginal cultural views can only be determined by the Aboriginal community using their own knowledge of the area and any sites present, and their own value system. All Aboriginal heritage evidence tends to have some contemporary significance to Aboriginal people, because it represents an important tangible link to their past and to the landscape.

Consultation with members of the local Aboriginal community (project RAPs) was undertaken to identify the level of spiritual/cultural significance of the subject area and its components. In acknowledgment that the Aboriginal community themselves are in the best position to identify levels of cultural significance, the project

RAPs were invited to provide comment and input into this ACHAR and to the assessment of cultural heritage significance and values presented therein.

Comments received from the representatives of the project RAPs indicate that the wider Taronga Zoo site has high cultural significance associated with the use of the site by Aboriginal people (Dennis Foley, Pers. Comm.). Comments have also highlighted the subject area as culturally significant as an area where resources previously would have been abundant including flora and fauna, and waterways. The subject area is suggested to have been used for “*hunting, gathering and ceremonial practices*” (KYWG, Pers. Comm.). Comments received during the site surveys have confirmed that the area of largely undisturbed remnant natural vegetation has high cultural significance as one of the few remaining natural landscapes across the Zoo site, and that this significance should be acknowledged through interpretation, with a strategy to be developed with the TAAG, potentially including signage along the elevated walkway through this area.

No additional comments regarding cultural significance were identified during the Stage 4 Draft ACHA review process.

8.4.2. Assessment of Scientific (Archaeological) Significance

In accordance with the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW*, and in consultation with representatives of the local Aboriginal community, the following assessment of the scientific (archaeological) significance of identified sites within the subject area has been prepared.

Due to the high level of disturbance across the back of house area and the existing reptile house facilities, there is **low** archaeological potential within these areas and therefore low archaeological (scientific potential). However, there is **moderate** archaeological potential associated with the area of remnant natural vegetation where disturbance has been minimal. In this area, there is moderate potential for scientifically significant deposits to occur. The works within this area are anticipated to be minor and involve minimal impacts only in the areas where footings will be installed to support an elevated walkway. As such, monitoring of the footing installation is recommended, with test excavation potentially required should archaeological deposits be identified.

8.5. ASSESSMENT OF VALUES AND SIGNIFICANCE

This section provides a tabulated summary of the values and significance present at the subject area.

Table 16 – Assessment of Values and Significance

Criteria	Assessment
Social or Cultural value	Cultural value has been discussed extensively in Section 8.4.1. In general it has been identified that the wider Taronga Zoo site does hold cultural significance. The area of remnant natural vegetation has also been identified as having high cultural significance as one of the few remaining natural landscapes across the Taronga Zoo site. Interpretation strategies are proposed to acknowledge this significance.
Historic Value	No historic value has been identified at the subject area. Potential historic archaeological value has been discussed in the Historical Archaeological Assessment prepared by Urbis (2021). There is no evidence to suggest that contact archaeological sites may occur at the subject area.
Scientific (archaeological) value	The subject area is determined to have generally low archaeological (scientific potential) across back of house areas and the existing reptile house facilities. There is moderate potential for archaeological deposits associated with the area of remnant natural vegetation where disturbance has been minimal. It is likely that these deposits, should they occur, would be of scientific value due to their contribution to the understanding of the material record of the Mosman area.

Criteria	Assessment
Aesthetic value	There are no identified aesthetic values at the subject area, and no aesthetic values have been identified by the RAPs during consultation.

9. IMPACT ASSESSMENT

9.1. POTENTIAL HARM

This section identifies the potential impacts to cultural heritage arising from the proposal, including demolition, excavation, and construction phases. Harm can be direct or indirect, defined by the Assessment Guidelines as:

- Direct harm – may occur as the result of any activity which disturbs the ground including, but not limited to, site preparation activities, installation of services and infrastructure, roadworks, excavation, flood mitigation measures.
- Indirect harm – may affect sites or features located immediately beyond or within the area of the proposed activity. Examples include, but are not limited to, increased impact on art in a shelter from increased visitation, destruction from increased erosion and changes in access to wild food resources.

This ACHA has concluded that there is generally low archaeological potential for subsurface Aboriginal archaeological deposits across the majority of the subject area, due to high levels of disturbance associated with existing back of house and reptile enclosure facilities.

There is however moderate archaeological potential associated with the area of remnant natural vegetation which is largely undisturbed and represents one of the only remaining areas of natural landscape across the Zoo site. Impacts in this area are proposed to be minimal and restricted to the removal of intrusive elements (mock-rock) and the construction of an elevated walkway through the area, which will allow guests to immerse themselves in the natural landscape. This is likely to involve minor impacts through the installation of footings for the walkway, subject to detailed design. Urbis recommends the installation of footings be monitored by archaeologists and RAPs to prevent any impact to Aboriginal archaeological deposits and, should archaeological deposits be identified, potential test excavation in footing areas. However, due to the minimal impacts proposed and the best practice approach of reducing impact, test excavation is not recommended at this stage as it will result in greater disturbance than is necessary to facilitate the proposed works.

9.2. LIKELY IMPACTED VALUES

As no scientific (archaeological) values are anticipated across the majority of the subject area, there is no direct or indirect harm to scientific values.

There is the potential for scientific (archaeological) values to occur in the form of archaeological deposit in the area of remnant natural vegetation. Monitoring of footings is proposed in this area to ensure no archaeological deposits are impacted. Should archaeological deposits be identified in the footing location test excavation may be undertaken in the footing locations. However, due to the minimal impacts proposed and the best practice approach of reducing impact, test excavation is not recommended at this stage as it will result in greater disturbance than is necessary to facilitate the proposed works.

No additional comments regarding cultural significance were identified during the Stage 4 Draft ACHA review process.

9.3. JUSTIFICATION

The subject area has previously experienced extensive disturbance associated with the installation and removal of previous and current zoo exhibits and back of house facilities. This disturbance has completely removed the natural soil profile within the majority of the subject area, reducing the potential for archaeological resources to occur. The only area with moderate potential for resources to occur is the area of remnant natural vegetation where disturbance is minimal.

The Proponent is aware of the cultural importance of the subject area and will continue to consult with RAPs throughout the duration of the project to ensure this is the case and that cultural heritage values are interpreted and conserved properly. The Proponent is committed to achieving the best outcome for the Cultural Heritage of the Taronga Zoo and Mosman area, and has proposed a strategy within the design to address the requirements of the Draft Connecting with Country Framework produced by the Government Architects Office. This will involve the retention of the existing vegetation including non-remnant eucalypt trees to the east of the subject area, to create a landscape habitat area that will reinforce the ethos of the

project through providing areas of respite which connect to the natural environment. The design of these areas is to be resolved in the detailed design phase through consultation with the TAAG and RAPs.

10. AVOIDING AND MINIMISING HARM

This ACHA has been prepared as a first step towards identifying the potential for Aboriginal objects or cultural heritage values to occur and minimising harm to those objects and values. This ACHA has concluded that there is low potential for Aboriginal objects to have survived within the majority of the subject area. Consequently, it is highly unlikely that the proposed development will harm Aboriginal objects or archaeological resources.

This is with the exception of the area of remnant natural vegetation, where original soils are anticipated to occur due to the minimal disturbance, and sandstone outcrops are known to occur. Sandstone outcrops are to be avoided in the development. Impacts in this area will be minimal due to the recognised significance of this area as one of the only areas of natural landscape remaining within the Zoo site. The only impacts in this area will be associated with the construction of an elevated walkway which will allow guests to immerse themselves in the landscape. Impacts will be through the installation of footings, and this will be subject to archaeological monitoring by archaeologists and RAPs to identify any archaeological deposits. Should deposits be identified, test excavation will be undertaken. Test excavation is not proposed in the first instance due to the minimal impacts, as test excavation will result in greater disturbance than is necessary to facilitate the development.

Urbis have proposed mitigation measures to avoid harm through construction. These recommendations are detailed in Section 11, and include the following:

- Monitoring of footing installations for the elevated walkway and potential test excavation if deemed necessary.
- Monitoring of any works to Koala Walkabout, subject to detailed design.
- Inspection of the sandstone outcrops prior to development commencing. While the sandstone outcrops are not proposed for impact in the development, they should be inspected for signs of cultural markings including art or grinding grooves, which could then form part of the interpretation strategy to be developed with the TAAG.
- Interpretation strategy to be developed inclusive of signage along elevated walkway informing guests on the Aboriginal history of the place.

Should Aboriginal objects be identified, management of the objects will be through the establishment of a Care & Control agreement with the TAAG, and will include the establishment of a keeping place on site.

11. CONCLUSIONS AND RECOMMENDATIONS

The ACHAR concluded that:

- No Aboriginal objects and/or places are registered on AHIMS within the subject area or within proximity.
- The subject area is within management zones 3, 4 and 5 on the GML 2004 AMP for the wider Taronga Zoo. The majority of the subject area is zoned as 'Areas which has previously been excavated down to bedrock, or culturally sterile soil profiles' and 'Areas heavily modified by European development'. A portion proposed for public domain works is zoned as 'Rock Surfaces unmodified by European Development' and 'Areas of original bushland unmodified by European Development'.
- The subject area sits upon the Gynea/Lambert soil landscape, which contains mixed sandy soils to a depth of approximately 30-100cm. However, the geotechnical investigation identified no natural soils within boreholes across the subject area.
- The subject area is upon the top of the Bradley's Head peninsula, with the wider zoo surrounded by Port Jackson to the west and south. Taylor's Gully is approximately 450m east of the subject area.
- The subject area is upon a crest which slopes to the south and west. The main portions of the subject area, currently utilised as back of house facilities, are upon substantially modified topography with evidence of cutting.
- The predictive model has identified that, resulting from historic disturbance activities and the existing environmental context, there is **low-moderate** Aboriginal archaeological potential across the subject area.
- The existing back of house and reptile house areas are highly disturbed. No further archaeological investigation is deemed necessary in these areas.
- The remnant area of natural vegetation is largely undisturbed and as such archaeological potential is retained. The remnant area of natural vegetation is also culturally significant as one of the only remaining areas of natural undisturbed land within the Zoo boundaries, with specific significance noted associated with crevices in rock outcrops.
- Landscaping including the proposed elevated pathway connections to the site are highly supported to allow visitors to immerse themselves in the natural environment. This should be supported by interpretation plaques across the footpath which detail the Aboriginal history of the area as well as providing information on native vegetation.
- This assessment has identified low archaeological potential across the majority of the subject area, with the exception of the area of remnant natural vegetation which contains moderate archaeological potential. Should subsurface archaeological deposits be located in this area, they may be impacted by the proposal which includes landscaping works.
- Comments received in response to the draft ACHA from RAPs agreed with the methodology employed for the ACHA and endorsed the above conclusions and recommendations.

On the basis of these conclusions, Urbis recommends the following:

Recommendations for the Area of Remnant Natural Vegetation

3. **No major work.** Urbis recommends that no major works be undertaken in the area of remnant vegetation. Minor landscaping works can proceed including installation of elevated walkway, so long as the sandstone outcrops and platforms within the area are avoided and not impacted in the development.
4. **Sandstone outcrops and platforms.** The sandstone outcrops and platforms should be thoroughly inspected when it is safe to do so (following the closure of animal exhibits) by archaeologists and RAPs. While no impacts are proposed to these features, they should be thoroughly inspected to identify any cultural markings which may occur, which could then form part of an interpretation strategy.
5. **Interpretation strategy.** Landscaping works should give consideration for the inclusion of an interpretation strategy which details the Aboriginal history of the subject area and provides information on the natural landscape of the area. This strategy should be developed by a suitably qualified consultant in consultation with the Taronga Aboriginal Advisory Group.

6. **Archaeological monitoring.** The installation of footings for the walkway should be monitored by a suitably qualified archaeologist and RAPs, with the material removed from each footing location to be sieved through a 5mm sieve. Should Aboriginal objects be identified, works should stop immediately, and the methodology revised. Test excavation is not recommended at this stage as this would constitute a greater impact than the proposed footings.

Recommendations for the Remainder of the Subject Area

7. **Aboriginal Cultural Heritage Induction.** It is recommended that induction materials be prepared in consultation with the Registered Aboriginal Parties (RAPs) for inclusion in the construction management plan and site inductions for any contractors working at the subject area. The induction material should include an overview of the types of sites and artefacts to be aware of (i.e. stone tools, concentrations of shells that could be middens and rock engravings and grinding grooves), under the NPW Act, and the requirements of an 'archaeological chance find procedure' (refer below). This should be prepared for the project and included in any site management plans.
8. **Archaeological Chance Find Procedure.** Although considered highly unlikely, should any Aboriginal objects, archaeological deposits be uncovered during any site works, a procedure must be implemented. The following steps must be carried out:
- 8.1. All works stop in the vicinity of the find. The find must not be moved 'out of the way' without assessment. The area must be cordoned-off and signage installed to avoid any accidental impact
 - 8.2. The archaeologist and Aboriginal representative on site examine the find, provides a preliminary assessment of significance, records the item for the AHIMS register and decides on appropriate management. Such management may require further consultation with the Aboriginal Cultural Heritage Regulation Branch of the Department of Premier and Cabinet (DPC), preparation of a research design and archaeological investigation/salvage methodology and decision on temporary care and control.
 - 8.3. Depending on the significance of the find, reassessment of the archaeological potential of the subject area may be required, and further archaeological investigation undertaken.
 - 8.4. Reporting may need to be prepared regarding the find and approved management strategies. Any such documentation should be appended to this ACHAR and revised accordingly.
 - 8.5. Works in the vicinity of the find can only recommence when all management measure all implemented, and the find is removed from the activity area. Should the find be an unmovable item such as an engraving or grinding groove located on a sandstone surface, further management measures will need to be introduced to avoid harm to the find.
9. **Human Remains Procedure.** In the unlikely event that human remains are uncovered during any site works, the following must be undertaken:
- 9.1. All works within the vicinity of the find immediately stop. The area must be cordoned-off and signage installed to avoid any accidental impact. The remains must not be moved.
 - 9.2. Site supervisor or other nominated manager must notify the NSW Police and DPIE.
 - 9.3. The find must be assessed by the NSW Police, and may include the assistance of a qualified forensic anthropologist.
 - 9.4. Management recommendations are to be formulated by the Police, DPIE and site representatives.
 - 9.5. Works are not to recommence until the find has been appropriately managed.
10. **RAP consultation.** A copy of the final ACHAR must be provided to all project RAPs. Ongoing consultation with RAPs should occur as the project progresses. This will ensure ongoing communication about the project and key milestones and ensure that the consultation process does not lapse, particularly with regard to consultation should the Chance Find Procedure be enacted.

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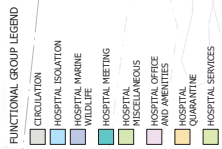
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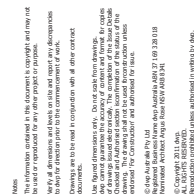
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APPENDIX A

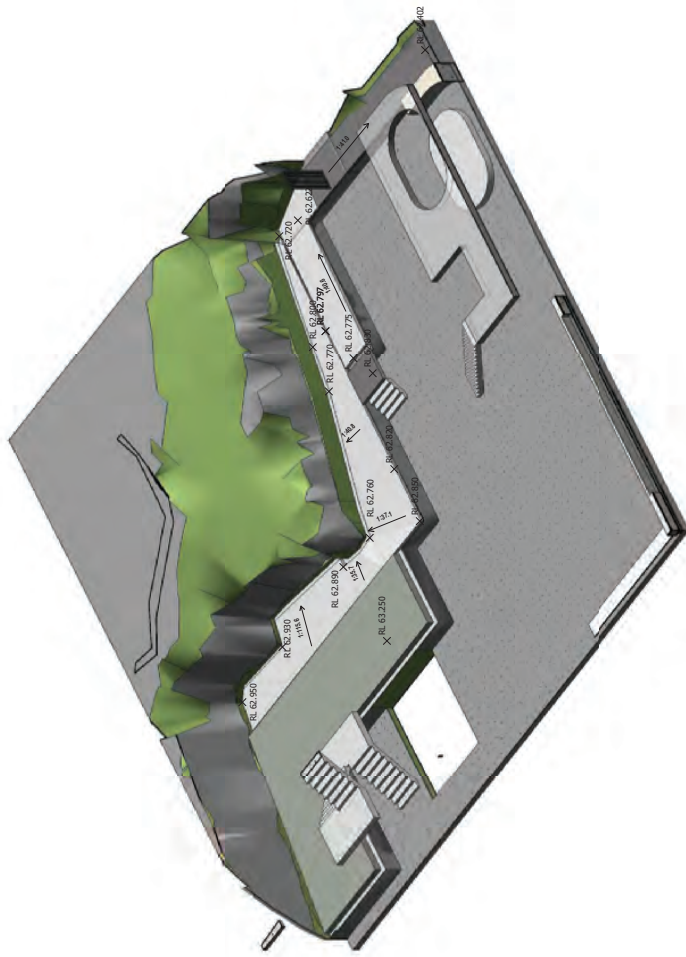
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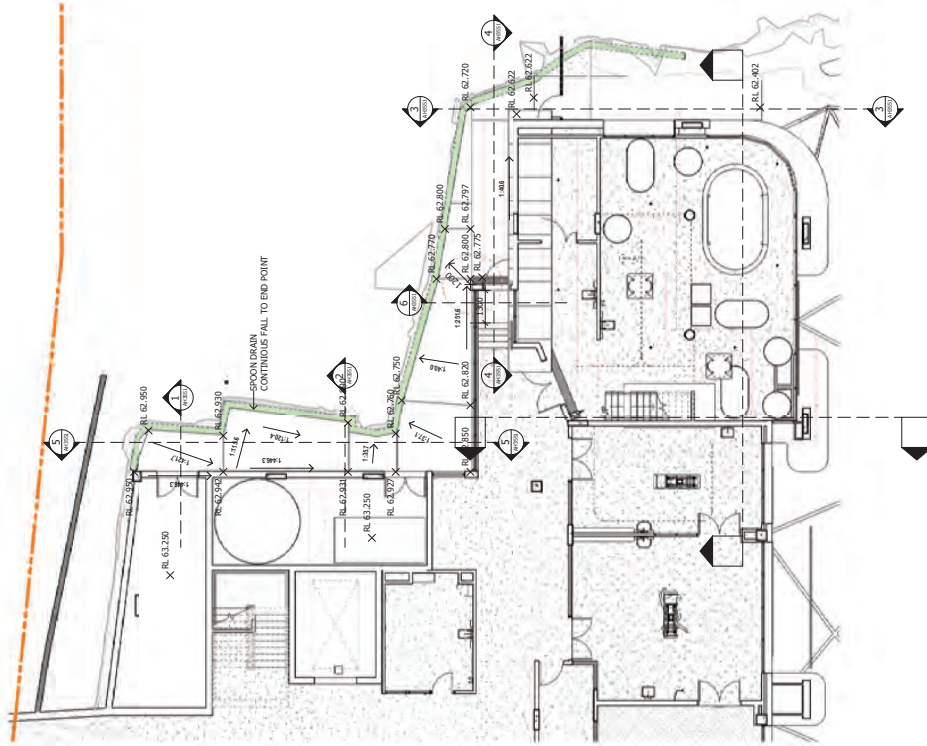


Project Number
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Issue
AH1300 B



1 3D DRAINAGE AROUND MARINE AND PLANT



2 WH LEVEL 1 - NORTH EAST SITE PLAN DETAIL

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Client: **TARONGA
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SOCIETY AUSTRALIA**

Location: **BRADLEY'S HEAD ROAD, MOSMAN**

Project
TARONGA ZOO WILDLIFE HOSPITAL

Drawing
SITE DETAILS

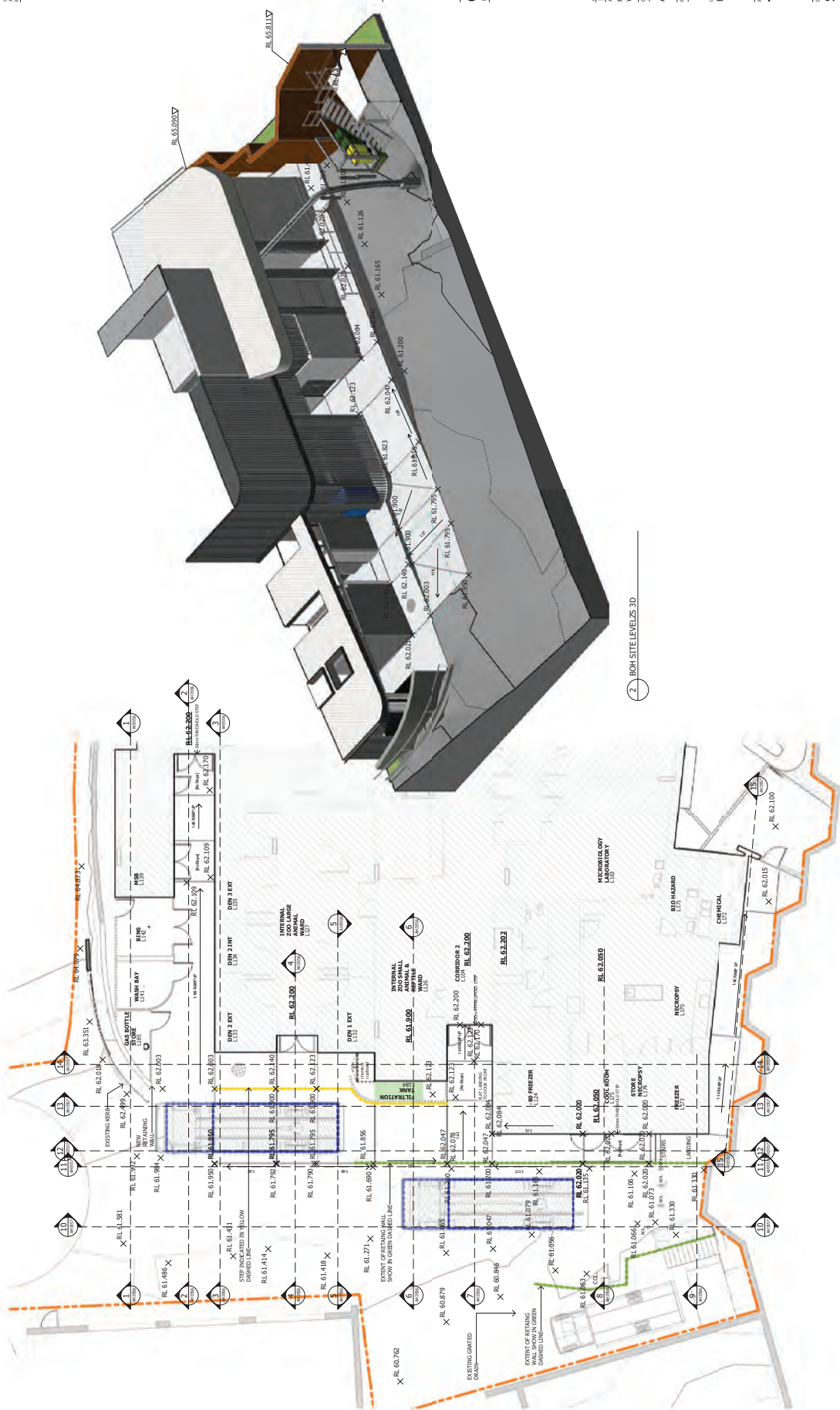
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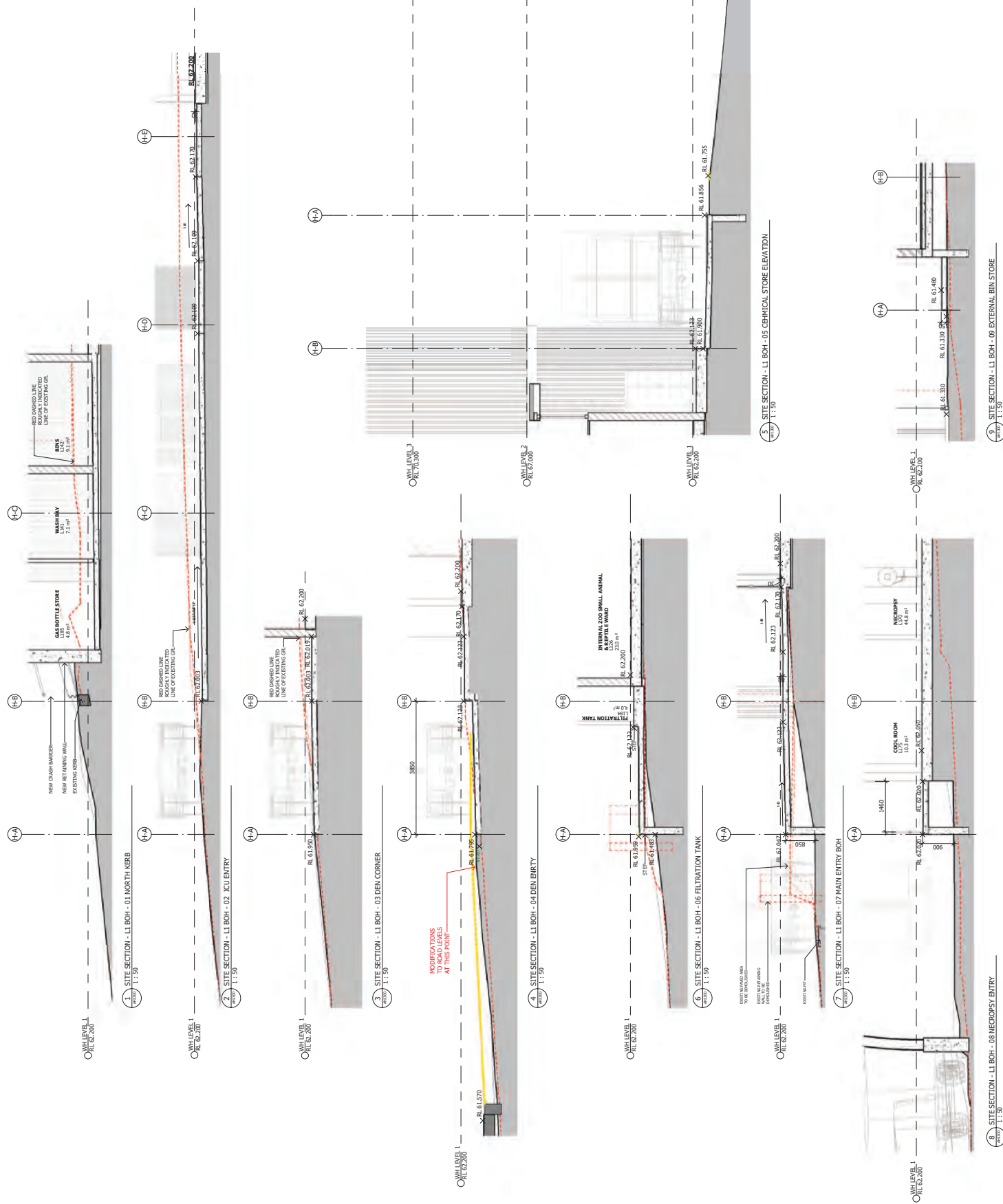
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WH LEVEL 1 - BOH SITE DETAIL

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Project Number	TW20-0527
Location	BRADLEY'S HEAD ROAD, MOSMAN
Client	TAONGA ZOO WILDLIFE HOSPITAL
Architect	dwpa
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Checker	A



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location

Project Number
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Wildlife Hospital

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Project: Taronga Zoo Wildlife Hospital
Location: Bradleys Head Road, Mosman
Architect: dwp
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Phone: 02 9550 1117
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Project: TARONGA ZOO WILDLIFE HOSPITAL
BRADLEYS HEAD ROAD, MOSMAN

Project Number: TWH 20-0527

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Client: RL H.110a C

Architect: dwp
TARONGA Wildlife Hospital



CT SCAN ROOM



TREATMENT ROOM 01



TREATMENT ROOM 02

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Project
TARONGA ZOO WILDLIFE
HOSPITAL

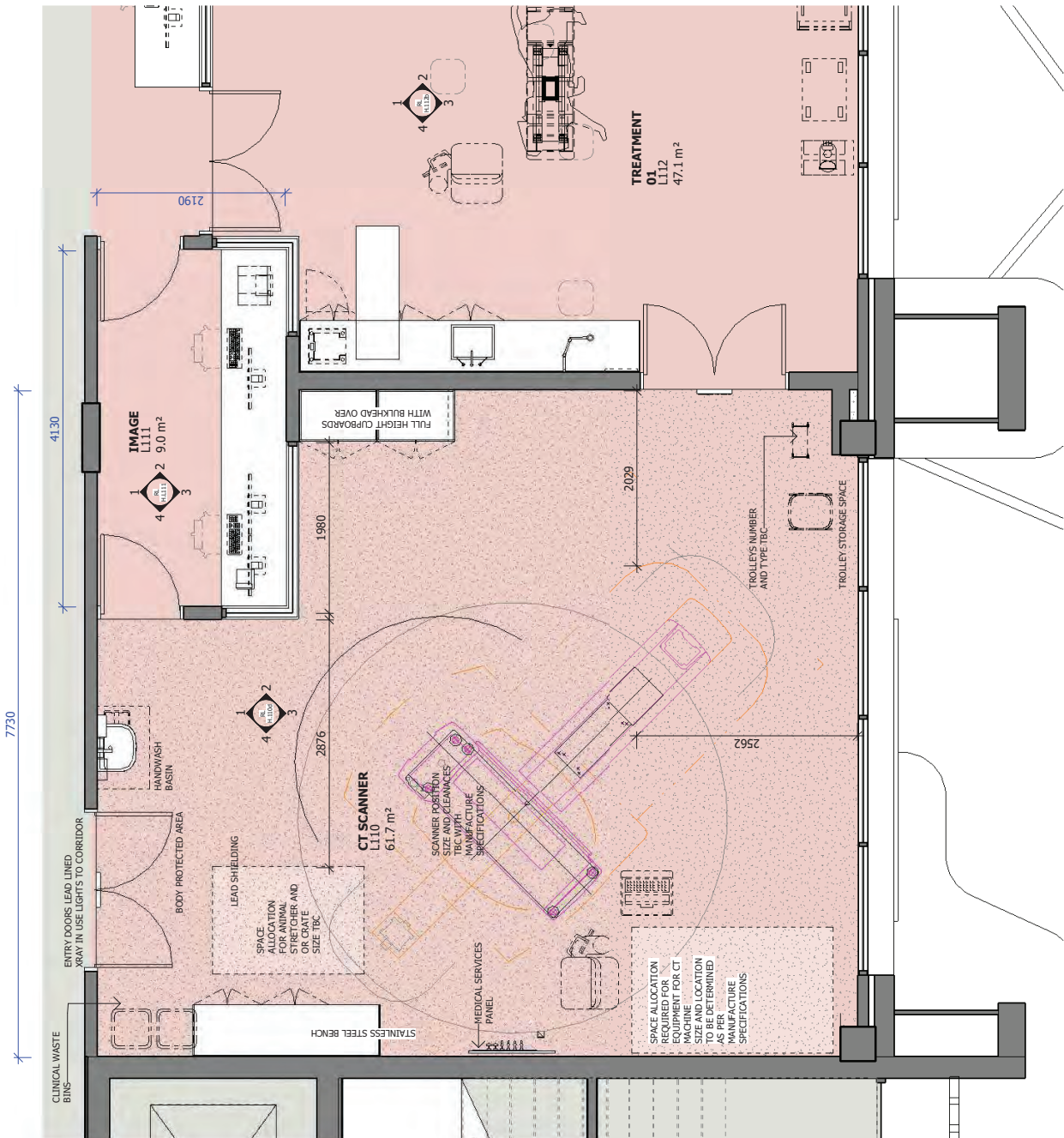
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Project Number
TWH 20-0527

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Prawing Number	Issue
RL H.110c	C



- LEVEL 1 CT ROOM
1:50

- QUESTIONS:
1. WASHING UP SINK REQUIRED ON TOP OF HAND BASIN?
 2. WOULD TRANSECT THE ANIMALS FROM STRETCHER TO CT - DO YOU USE PANDS?
 3. ROOM THAT SORT OF RINS DO YOU KEEP IN THIS ROOM? WHAT SMALL CLEAN, VASE BINIS OR LARGE ONS OR ALTERNATE BIN TYPES?
 4. CAMERAS - WILL THESE BE LINED TO THE VISITOR EXPERIENCE OR WILL THOSE CAMERAS BE SEPARATE TO THE CT LINK SYSTEM?
 5. ENTIRE WALLS OF THESE PAVES OF ROOMS WOULD BE THERE AN OPPORTUNITY TO DO SOMETHING INTERPRETIVE WITH THE WALL SPACES WITHIN THE ROOM - GRAPHICS ETC TO MAKE IT MORE DYNAMIC FOR THE GUEST TO LOOK AT? THE USE OF DECORATIVE WALLS TO REDUCE PATIENT ANXIETY IS EFFECTIVELY USED IN HUMAN CASES - THIS COULD BE USED HERE
 6. USE OF FLOOR VINYL IN PATTERNS ON FLOOR WHICH ARE BIOPHILIC IN NATURE ORGANIC SHAPES AS WELL AS ANIMAL TRAITS WHICH GUESTS CAN LOOKS AND OUT INTO THE

3 ELEVATION
1 : 50

Diagram of the toilet area. The toilet is located at the top right. Below it is a stainless steel bench. To the left of the bench is a bulkhead. Below the bulkhead is a view window to the control room. A ceiling feature is indicated on the left side of the diagram.

2 ELEVATION
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Issue	Description	Date	CHK	Auth
1	FOR INFORMATION	24.04.2022	CB	PE
2	FOR INFORMATION	24.04.2022	SZ	PE
3	STANDARD REFERENCE	26.04.2022	PE	PE

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PROJECT SCAN ELEVATIONS

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Drawing Number	Issue
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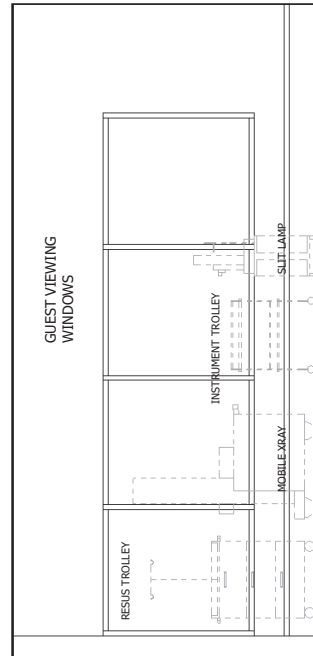

underbench cupboards
or wire drawer to see
items inside

medical gases and gases

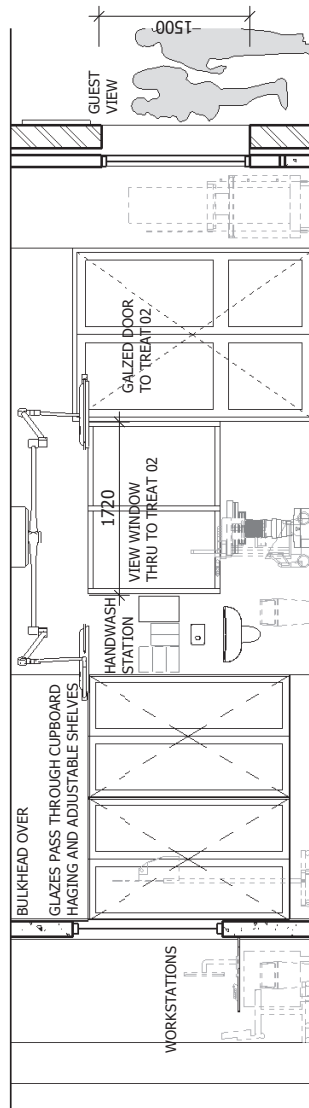
full height feature graphic vinyl

Technical drawing of a medical gas cabinet. The drawing shows a side view of the cabinet with a large, curved, white graphic on the front panel. The graphic is labeled "medical gases and gases". The cabinet has a top section and a bottom section. The top section is labeled "full height feature graphic vinyl". The bottom section is labeled "medical gases and gases". The drawing includes dimensions and a scale bar.

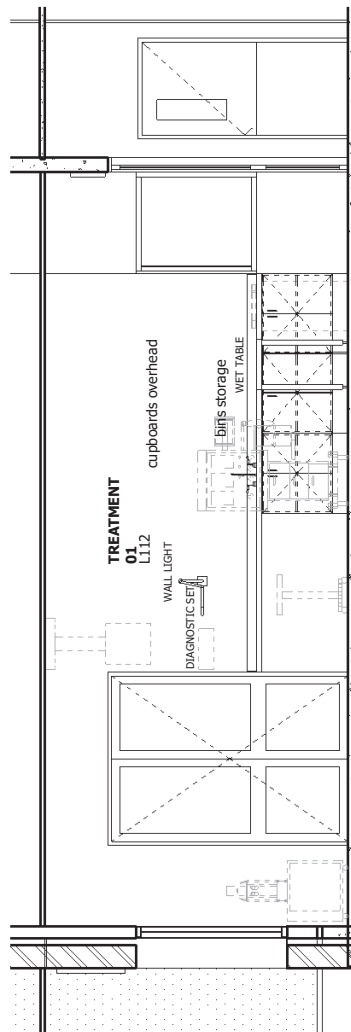
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LEVEL 1 - TREATMENT ROOM 01 ELEVATIONS

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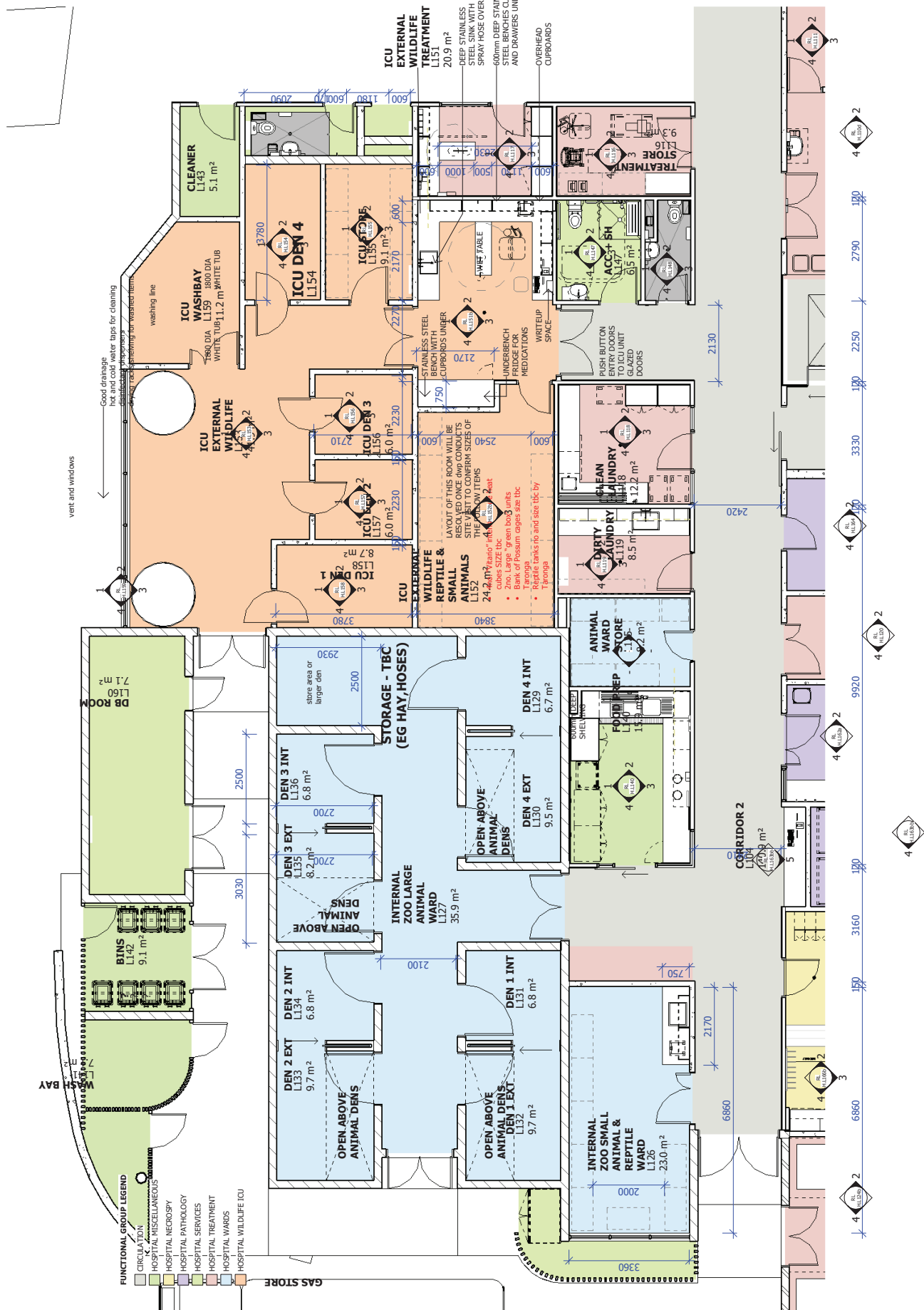
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ELEVATIONS

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Drawing Number	Issue
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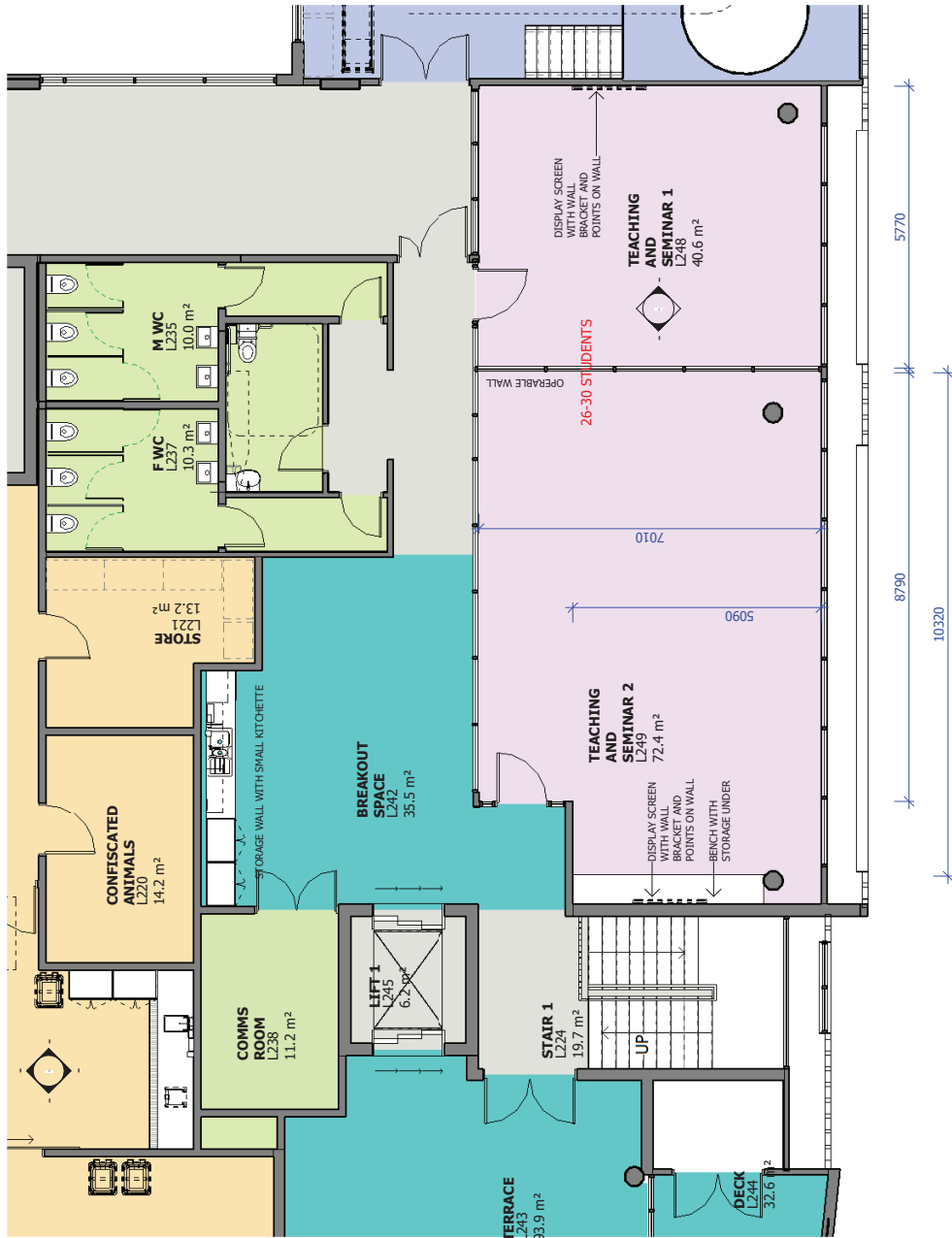
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LEVEL 2 TEACHING SPACES

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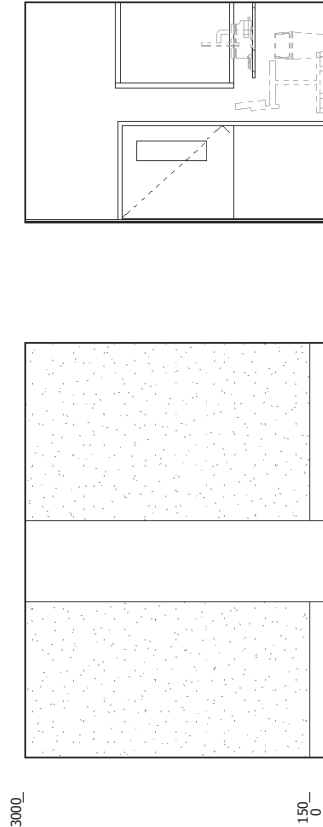


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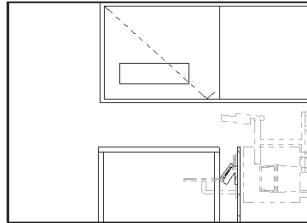
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WLWA-019	WALL FINISH: vinyl, Hekht as indicated	1

ROOM FABRICS		
	DOOR: swing, 1, solid, vision panel, narrow, with protection plate	1
WLWA-019	WALL FINISH: vinyl, Hekht as indicated	1



1 ELEVATION
1:50

2 ELEVATION
1 : 50



3 ELEVATION
1:50

4 ELEVATION
1:50



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Drawing
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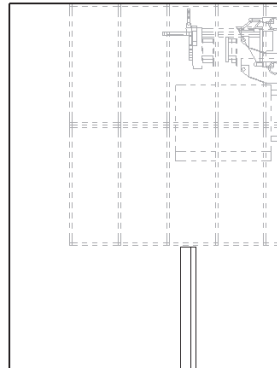
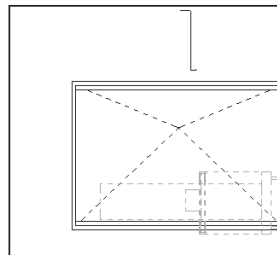
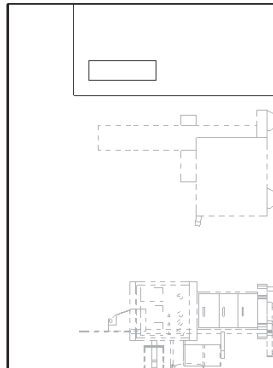
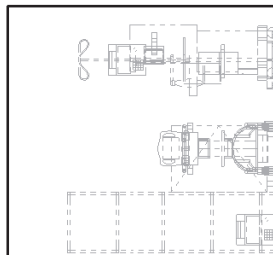
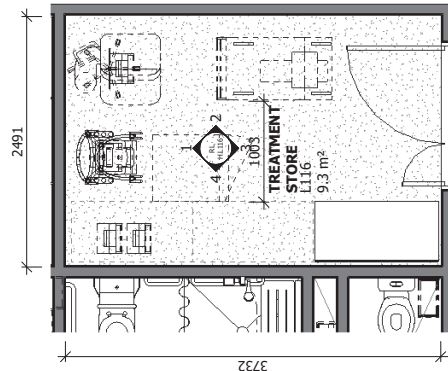
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CODE		DESCRIPTION	ID	QTY
FITTINGS: FURNITURE & EQUIPMENT [F&E]				
FIXD-060		BENCH TOP: 600D, joinery under, stainless steel topped	1	1
FQCA-040		FRIDGE: Flair Warner	3	1
FQCN-089		SHELVING: floor standing, 1200W x 600D x 2100H rom., metal	3	2
MMKE-041		STAND: mobile infusion pump	3	1
MMKE-078		PUMP: Infusion	3	1
MMMI-329.1		DEVICE: imaging, ultrasound scanning unit, mobile, GE Logix Book xp	3	1
MMMI-330		DEVICE: imaging, X-ray machine, mobile	3	1
MMKP-040		MACHINE: anaesthetic	3	1
ROOM FABRICS				
		DOOR: swing, 1.5, solid, 1 vision panel, narrow, with protection plate	1	1

ROOM FABRICS

DOOR: swing, 1.5, solid, 1 vision panel, narrow, with protection plate

2700



SCHEMATIC DESIGN
NOT TO BE USED DURING CONSTRUCTION

S.	FOR INFORMATION	Date	Chk.	Auth.
A.	FOR INFORMATION	24.05.2022	SZ	PE
	Issue Description			
	Architect/ Designer			

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**Joint
TARONGA CONSERVATION
SOCIETY AUSTRALIA**

Project
TARANGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEY'S HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

TREATMENT STORE

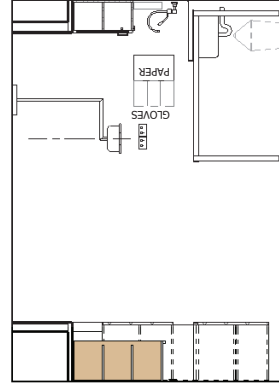
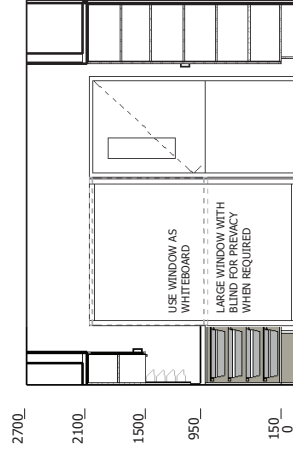
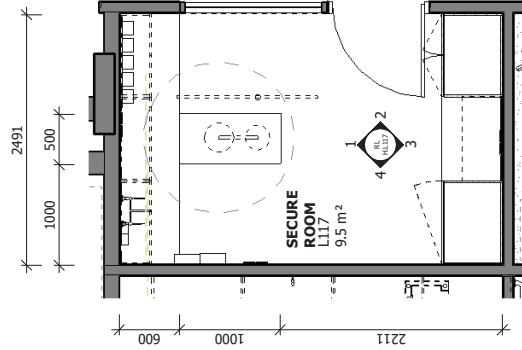
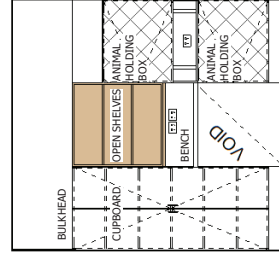
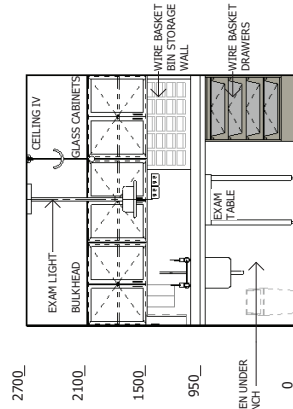
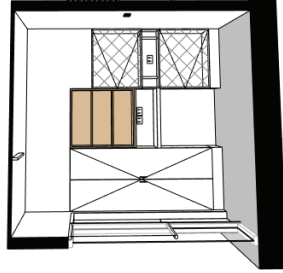
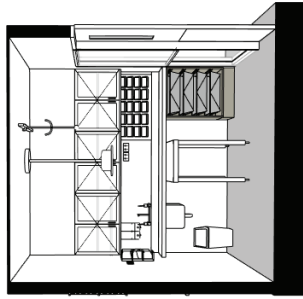
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Drawing Number
RL H.L116



CODE	DESCRIPTION	ID GR	QTY
ENGINEERING SERVICES			
BGP-200		1	7
LFX-008	LIGHT: task light, built-in	1	2
FITTINGS, FURNITURE & EQUIPMENT (FIRE)			
FIDI-014	DISPENSER: disposable glove	2	1
FIDI-025	DISPENSER: paper/hand towel	1	1
FIDI-030	DISPENSER: soap	2	1
FIDI-031	DISPENSER: soap antiseptic	2	1
FIRH-033	PANEL: for storage bins, wall mount	1	1
FIRH-013	WETTABLE: stainless steel treatment table	1	1
FIDJ-060	BENCH TOP: 600D, joinery under, stainless steel lip/dod	1	2
FIDJ-116		1	2
FIDJ-147	CUPBOARD: wall mount, double door, glazed, ad shelves	1	3
FIDJ-148	CUPBOARD: wall mount, double door, glazed, ad shelves	1	3
FIDJ-505	CUPBOARD: drawer unit, sockets, 1/4 turn (600mm wide)	1	2
FIRT-012	RAIL: equipment	1	2
FIRT-038	TRACK: ceiling mounted, TV, straight	1	2
FQSM-016	BIN: waste, general, 20L	3	1
FQSM-006.1	BIN: storage bins	3	1
HYRA-052	SINK: Small single, 500 x 350 x 250D	3	20
HYTP-07.1	TAPWARE: mixer, elbow levers, wall mount	1	1
LFX-027	LIGHT: examination, ceiling mounted	1	1
NRGE-039	HANGER: TV for ceiling track	1	1
ROOM FABRICS			
	DOOR: screen, 1 solid, vision panel, narrow, with protection plate	1	1



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B	FOR INFORMATION	24.06.2022	CS	PE
A	FOR INFORMATION	24.05.2022	SZ	PE
Issue	Description	Date	Chk	Auth
Architect/ Designer				
dwp				
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Client
TARONGA CONSERVATION
SOCIETY AUSTRALIA

Project	TARONGA ZOO WILDLIFE HOSPITAL
Location	BRADLEY'S HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

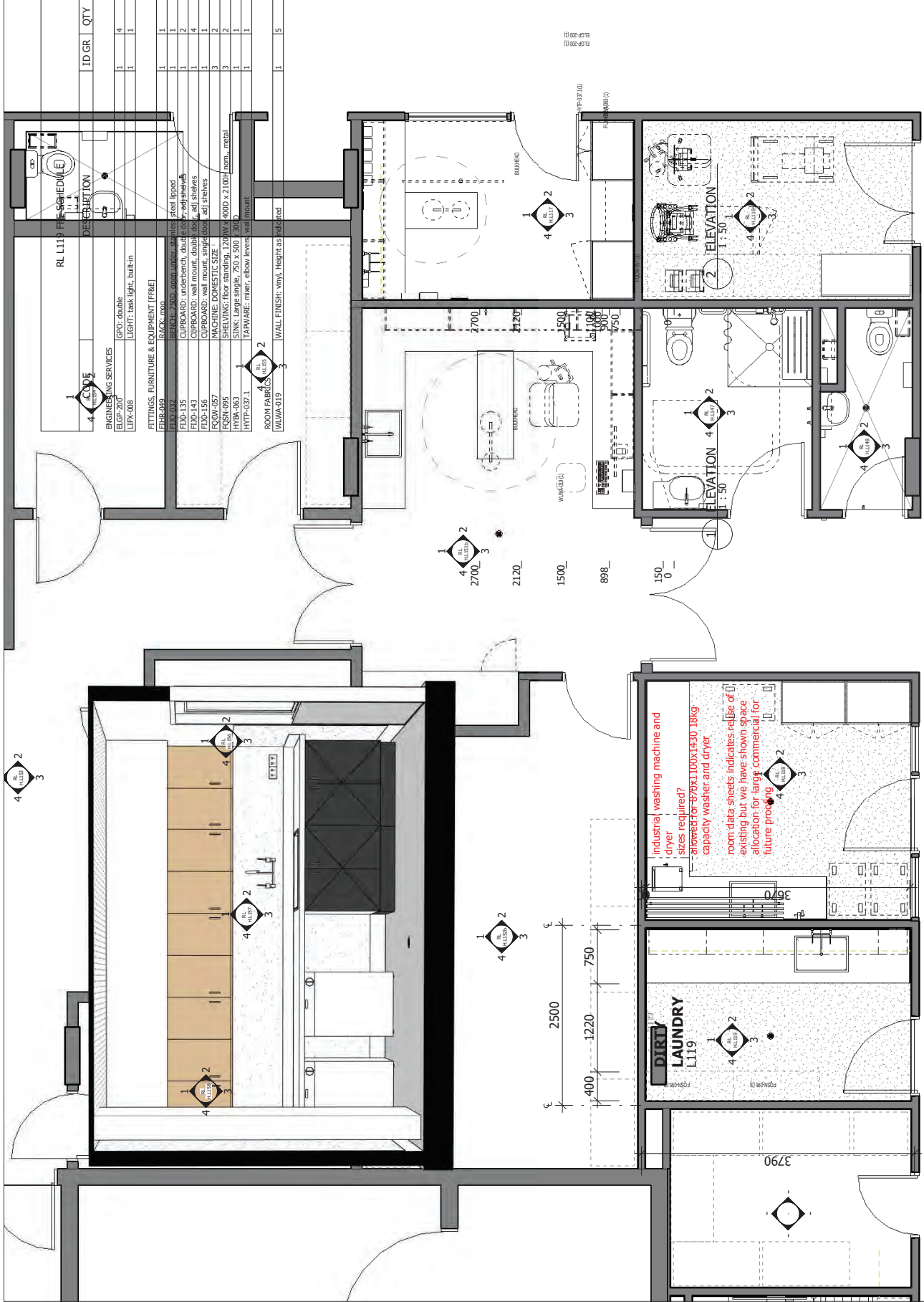
Drawing
SECURE ROOM

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Drawing Number
T00000

RL H.L117 B



Notes



SCHEMATIC DESIGN
NOT TO BE USED DURING CONSTRUCTION

Project Number: **TWH 20-0527**
Client: **TARONGA CONSERVATION SOCIETY AUSTRALIA**
Address: **TARONGA 200 WILDLIFE HOSPITAL, BRADLEY'S HEAD ROAD, ROSMAN**
Drawing: **DIRTY LAUNDRY**

Scale: 1:50
Date: 20/05/2020
Author: [Name]
Reviewer: [Name]
Project Name: **RL H.L119**
Project Number: **B**

3 ELEVATION 1:50

4 ELEVATION 1:50

DIRTY LAUNDRY 1:50

DIRTY LAUNDRY 1:50



[illegible]

Issue	Description	Date	Chk	Auth
5	FOR INFORMATION	24.06.2022	CS	PE
A	FOR INFORMATION	24.05.2022	SZ	PE

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**TARONGA CONSERVATION
SOCIETY AUSTRALIA**

TARONGA ZOO WILDLIFE
HOSPITAL

BRADLEYS HEAD ROAD, MOSMAN

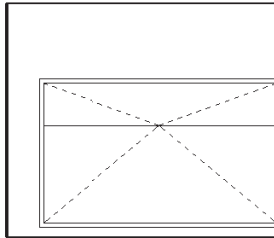
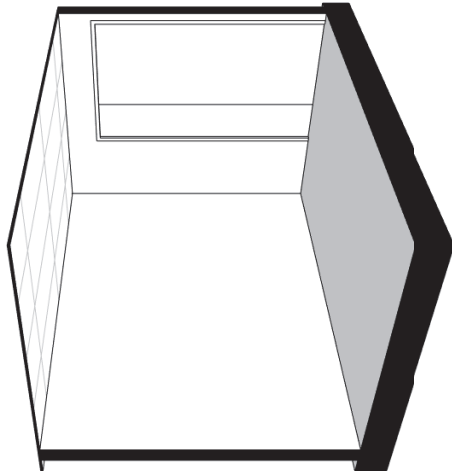
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TWH 20-0527

Practical Application

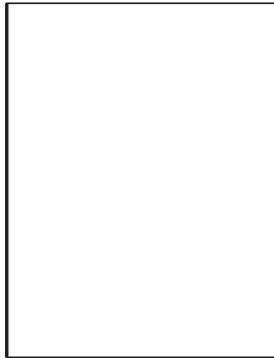
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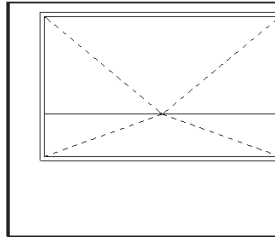
Drawing Number
RL H.L120



1 ELEVATION
1:50



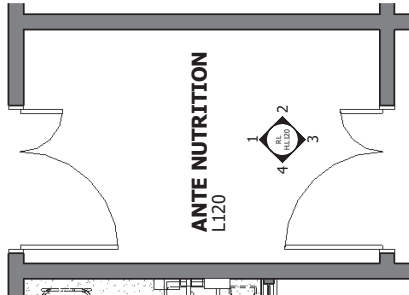
2 ELEVATION
1:50



3 ELEVATION
1:50



4 ELEVATION
1 : 50



- PLAN - ANTE NUTRITION
1:50

Notes

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Project
TARONGA ZOO WILDLIFE

17300-07 11M1

Scale (A3)
1 : 50

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STARONGA CONSERVATION
SOCIETY AUSTRALIA

Project
TARONGA ZOO WILDLIFE

HOSPITAL
location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

-80 DEGREES FREEZER

Scale (A3) Date Printed

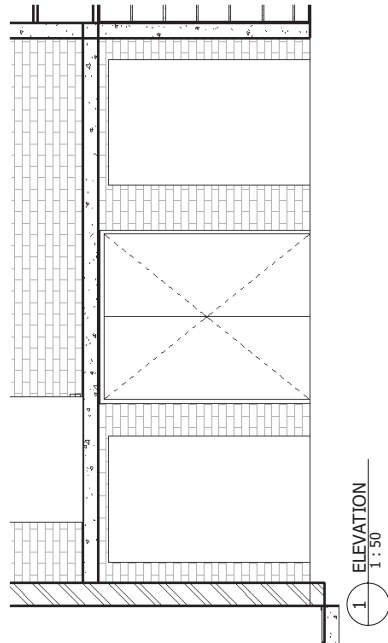
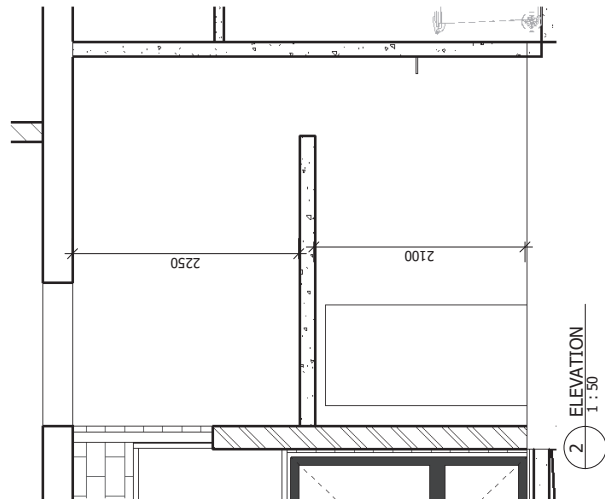
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Drawing Number
RL H.L124a

Issue
B

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SCHEMATIC DESIGN
NOT TO BE USED DURING CONSTRUCTION

	FOR 3rd ORIENTATION	24.06.2022	CB	PE
	FOR 3rd ORIENTATION	24.05.2022	SZ	PE
	Issue Description	Date	Chk	Auth
	Architecture Designer			

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**Joint
TARONGA CONSERVATION
SOCIETY AUSTRALIA**

Project: TARONGA ZOO WILDLIFE HOSPITAL
Location: BRADLEY'S HEAD ROAD, MOSMAN

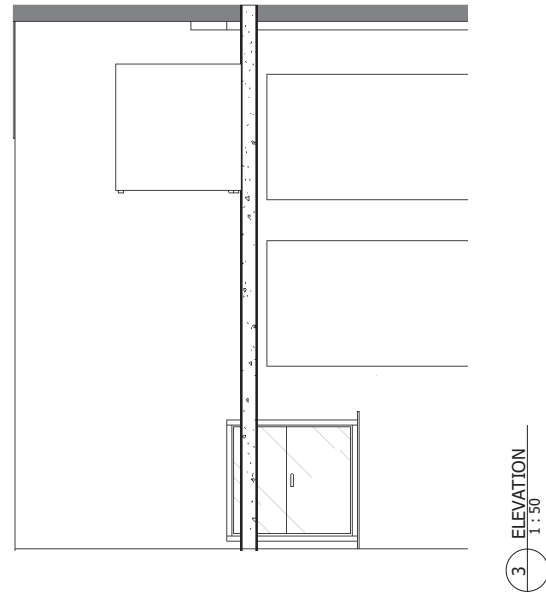
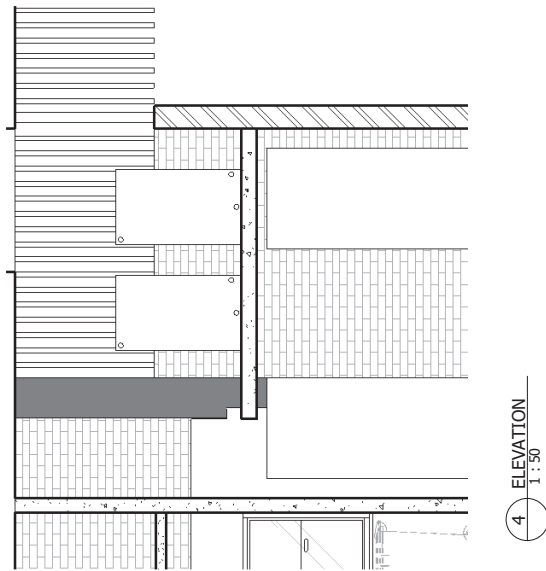
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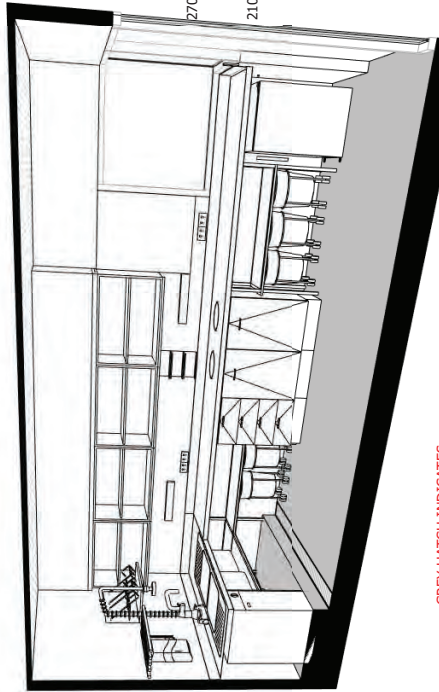
Drawing
-80 DEGREES FREEZER
ELEVATIONS

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B	Issue
RL H.L124b	Drawing Number



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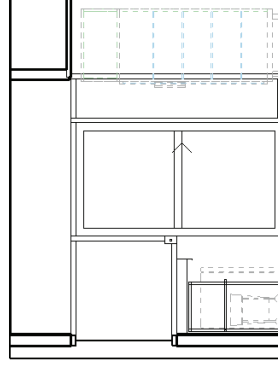
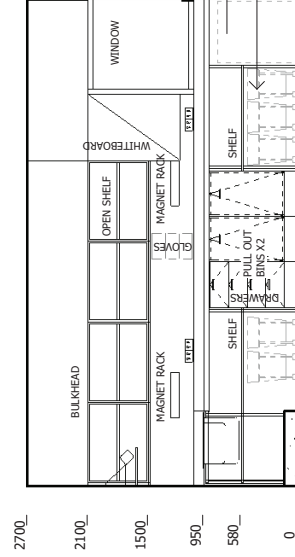
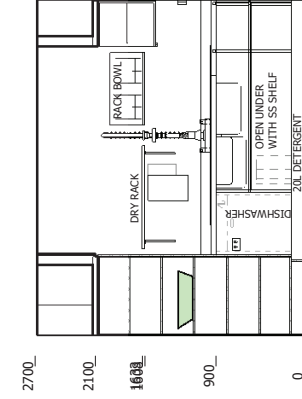
Floor plan of the kitchen area showing a bulkhead, refrigerator, freezer, deep shelves, and open shelves for tubs to soak dishes. Dimensions are provided for various sections.

Dimensions (from left to right): 2882, 600, 600, 750.

Dimensions (from top to bottom): 2700, 2100, 1600, 900, 0.

Labels and Features:

- BULKHEAD
- FRIDGE (KEEP)
- FRIDGE (KEEP)
- FREEZER (NEW)
- DEEP SHELVES
- OPEN SHELVES FOR TUBS TO SOAK DISHES



Architect/ Designer
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SOCIETY AUSTRALIA

HOSPITAL
Location

/7C0-07 HMI

Drawing
FOOD REPER

$\mathcal{B}_1 \rightarrow \mathcal{B}_2 \rightarrow \dots \rightarrow \mathcal{B}_n$ $\mathcal{B}_1 \rightarrow \mathcal{B}_2 \rightarrow \dots \rightarrow \mathcal{B}_n$

Drawing Number
RLH.L140
Issue C

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Issue	Description	Date	Chk	Auth
24.06.2022	FOR INFORMATION	24.06.2022	CB	PE
24.05.2022	FOR INFORMATION	24.05.2022	SZ	PE

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TARONGA CONSERVATION
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Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

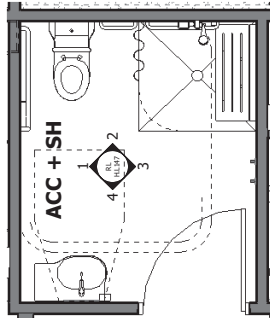
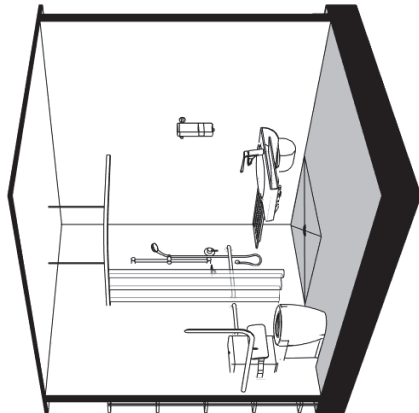
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TWH 20-0527

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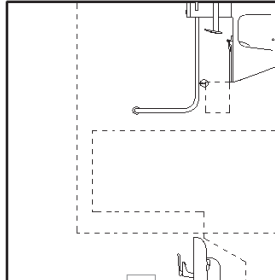
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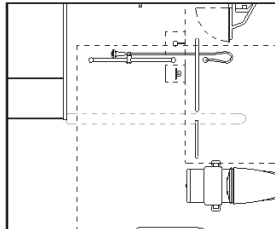
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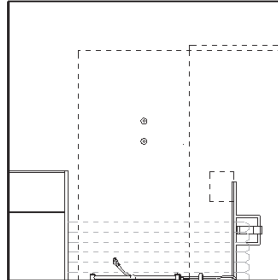
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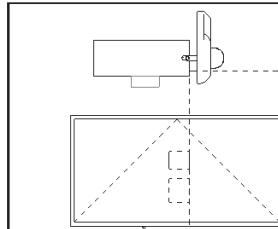
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3 ELEVATION
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 SOCIETY AUSTRALIA

Project Number
TWH 20-0527

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S	FOR INFORMATION	24.06.2022	CS	PE
A	FOR INFORMATION	24.05.2022	SZ	PE

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 SOCIETY AUSTRALIA

Project: TARONGA ZOO WILDLIFE HOSPITAL
Location: BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

ICU EXTERNAL WILDLIFE
TREATMENT ELEVATIONS

Scale (A3) Date Printed

1:50 28/06/2022 2:32:27 PM
Drawing Number **RL H.L151b** Issue **B**



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3	Issue for Construction	20/05/2022	RL		
4	Issue for Construction	20/05/2022	RL		

Project Name
TARONGA CONSERVATION
SOCIETY AUSTRALIA

Project Location
TARONGA ZOO WILDLIFE
HOSPITAL

Project Address
BRADLEY'S HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

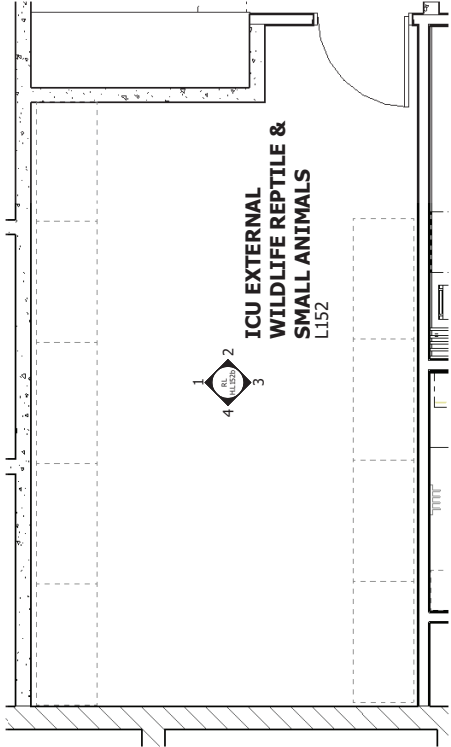
Drawing
ICU EXTERNAL WILDLIFE
REPTILE & SMALL ANIMALS

Scale (A3)
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Project Number
RL H.L152a B

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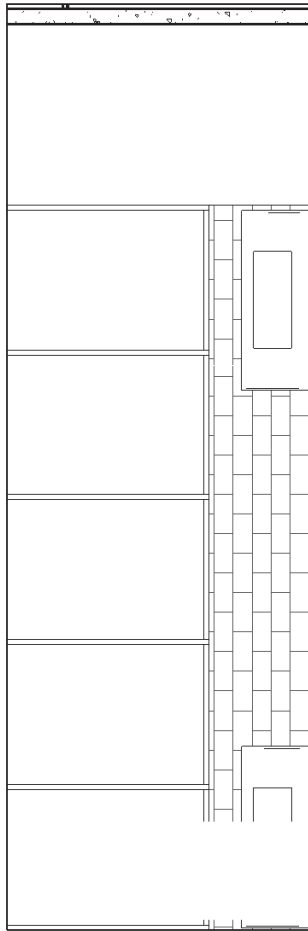
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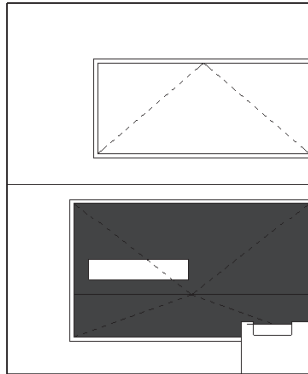
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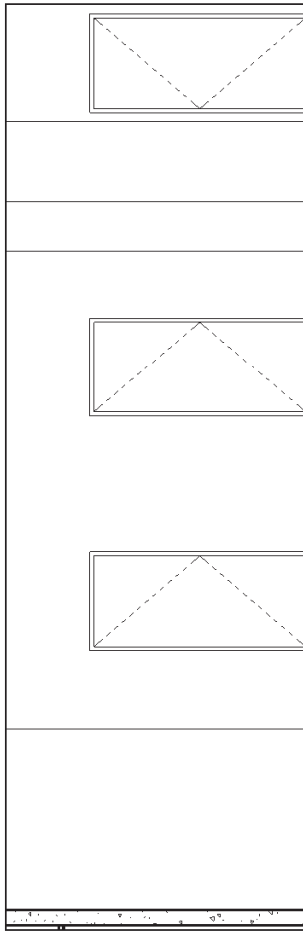
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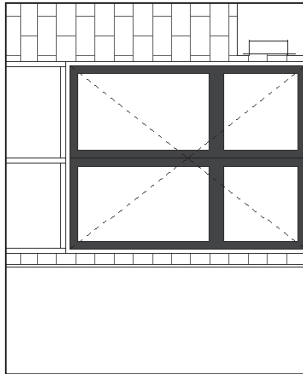
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2 ELEVATION
1 : 50



3 ELEVATION
1 : 50



4 ELEVATION
1 : 50

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Issue	Description	Date	Chk	Auth
5	FOR INFORMATION	24.06.2022	CS	PE
A	FOR INFORMATION	24.05.2022	SZ	PE

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**TARONGA CONSERVATION
SOCIETY AUSTRALIA**

Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

ICU EXTERNAL WILDLIFE
LARGE ANIMAL

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Drawing Number **RL H.L153** Issue **B**



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4	FOR INFORMATION	24.05.2022	SZ	PE

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SOCIETY AUSTRALIA**

Project: TARANGA ZOO WILDLIFE HOSPITAL
Location: BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

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RL H.L154 B



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ELEVATION
1 : 50



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Client: TARONGA CONSERVATION SOCIETY AUSTRALIA

Project: TARONGA ZOO WILDLIFE HOSPITAL

Location: BRADLEY'S HEAD ROAD, MOSMAN

Project Number: TWH 20-0527

Drawing: ICU STORE

Scale: 1:50

Date Printed: 20/05/2022 2:32:28 PM

File Name: RL H.L155 B

Project Number: TWH 20-0527

Drawing: ICU STORE

Scale: 1:50

Date Printed: 20/05/2022 2:32:28 PM

File Name: RL H.L155 B

Project Number: TWH 20-0527

Drawing: ICU STORE

Scale: 1:50

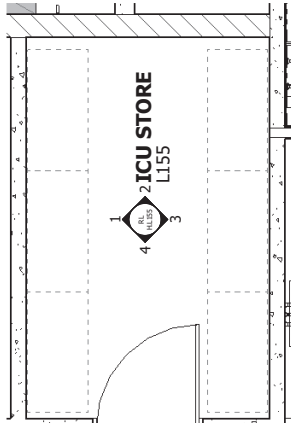
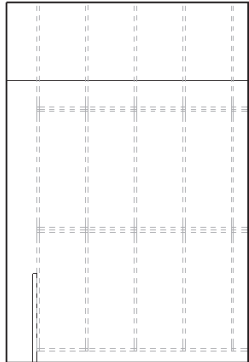
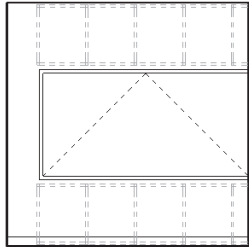
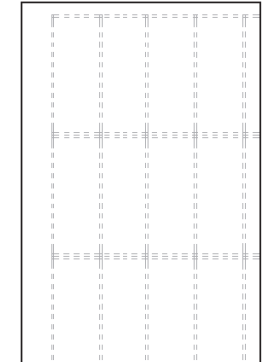
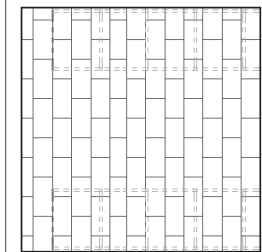
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Project Number: TWH 20-0527

Drawing: ICU STORE

Scale: 1:50



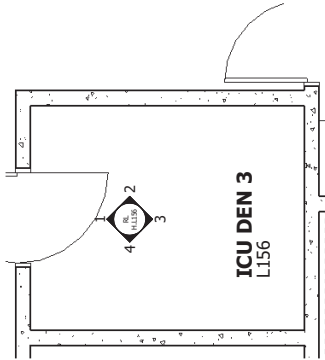
ICU STORE
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Award: Rose Maritime d Archibet NSW ABN 4882



- ICU DEN 3
1:50

SCHEMATIC DESIGN
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Source	Description	Date	Chk	Auth
S	FOR INFORMATION	24.06.2022	CS	PE
A	FOR INFORMATION	24.05.2022	SZ	PE

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**Joint
TARONGA CONSERVATION
SOCIETY AUSTRALIA**

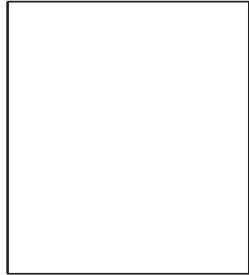
Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

ICU DEN 3

Scale (A3) Date Printed

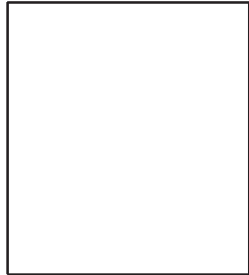
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Issue **B**



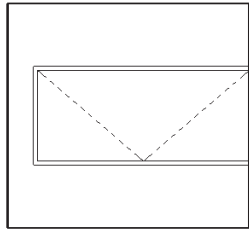
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1 : 50



3 ELEVATION
1 : 50



2 ELEVATION
1 : 50



1 ELEVATION
1 : 50

[illegible]

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A	FOR INFORMATION	24.05.2022	SZ	PE

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Project
TARONGA ZOO WILDLIFE
HOSPITAL

BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

Sampling

ICU DEN 2

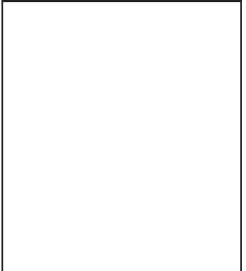
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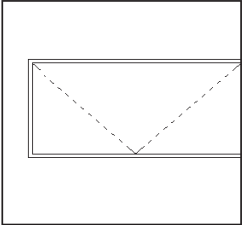
Drawing Number
PI HI 157

Issue
B

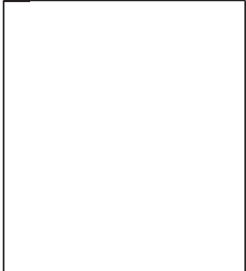
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2 ELEVATION
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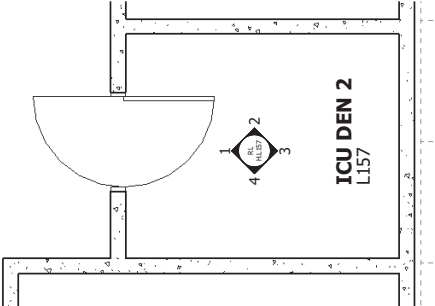
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4 ELEVATION
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3 ELEVATION
1 : 50



- ICU DEN 2
1 : 50

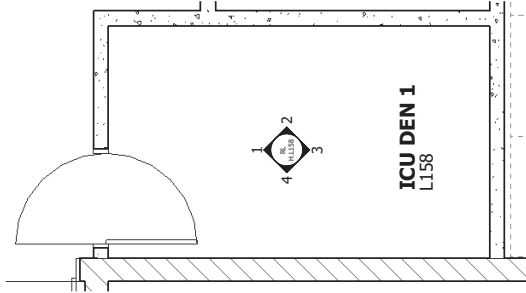
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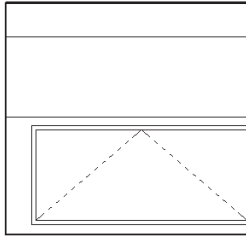
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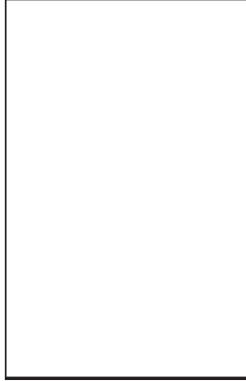
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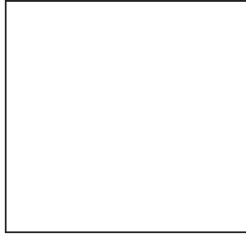
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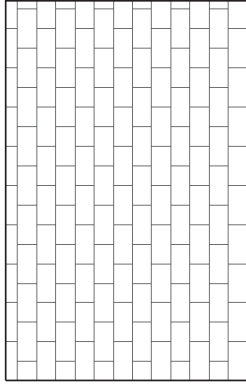
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2 ELEVATION
1:50



3 ELEVATION
1:50



4 ELEVATION
1:50

SCHEMATIC DESIGN

NOT TO BE USED DURING CONSTRUCTION

Project Name	TARONGA ZOO WILDLIFE HOSPITAL
Project Number	TWH 20-0527
Client	TARONGA CONSERVATION SOCIETY AUSTRALIA
Location	BRADLEY'S HEAD ROAD, MOSMAN
Architect	dwp
Architect's Website	www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
Architect's Website: www.dwp.com

Project Name: TARONGA ZOO WILDLIFE HOSPITAL
Project Number: TWH 20-0527
Client: TARONGA CONSERVATION SOCIETY AUSTRALIA
Location: BRADLEY'S HEAD ROAD, MOSMAN
Architect: dwp
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www.dwp.comDrawing Number
RL H.L159
B Issue

Notes

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Issue	Description	Date	Chk	Auth
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E	FOR INFORMATION	24.05.2022	SZ	PE
D	FOR KITCHEN CONSULTANT	23.05.2022	PE	PE
C	FOR INFORMATION	17.05.2022	PE	CB
B	STAKEHOLDER REFERENCE	12.04.2022	CB	PE
A	FOR INFORMATION	11.03.2022	CB	PE

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**TARONGA CONSERVATION
SOCIETY AUSTRALIA**

Project
TARONGA ZOO WILDLIFE
HOSPITAL

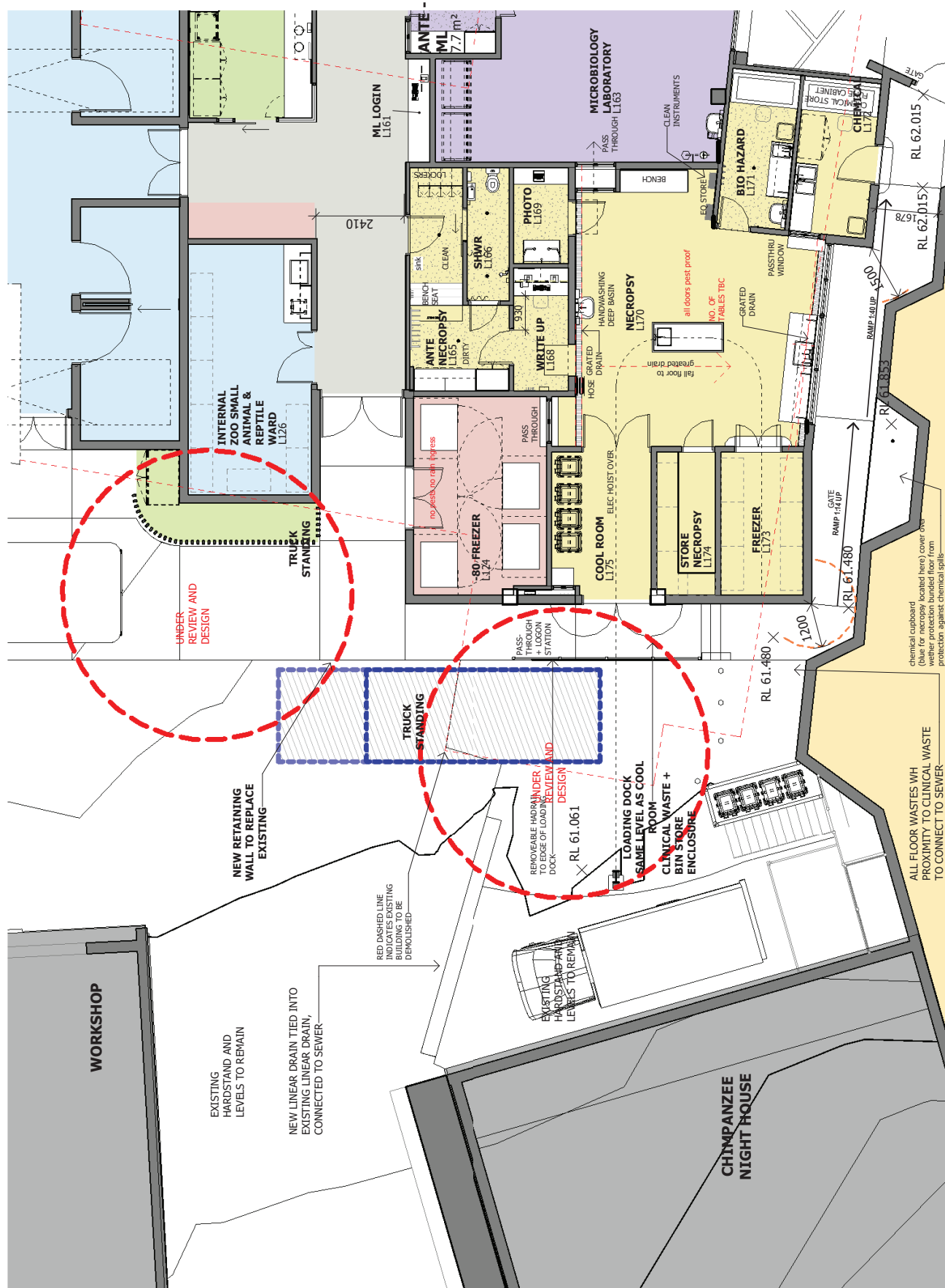
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

Training
NECROPSY DEPARTMENT

Scale (A3)
1 : 100
Date Printed
28/06/2022 2:34:35 PM
Terra-soft

Drawing Number	Issue
RL H.L165a	F



NOTES

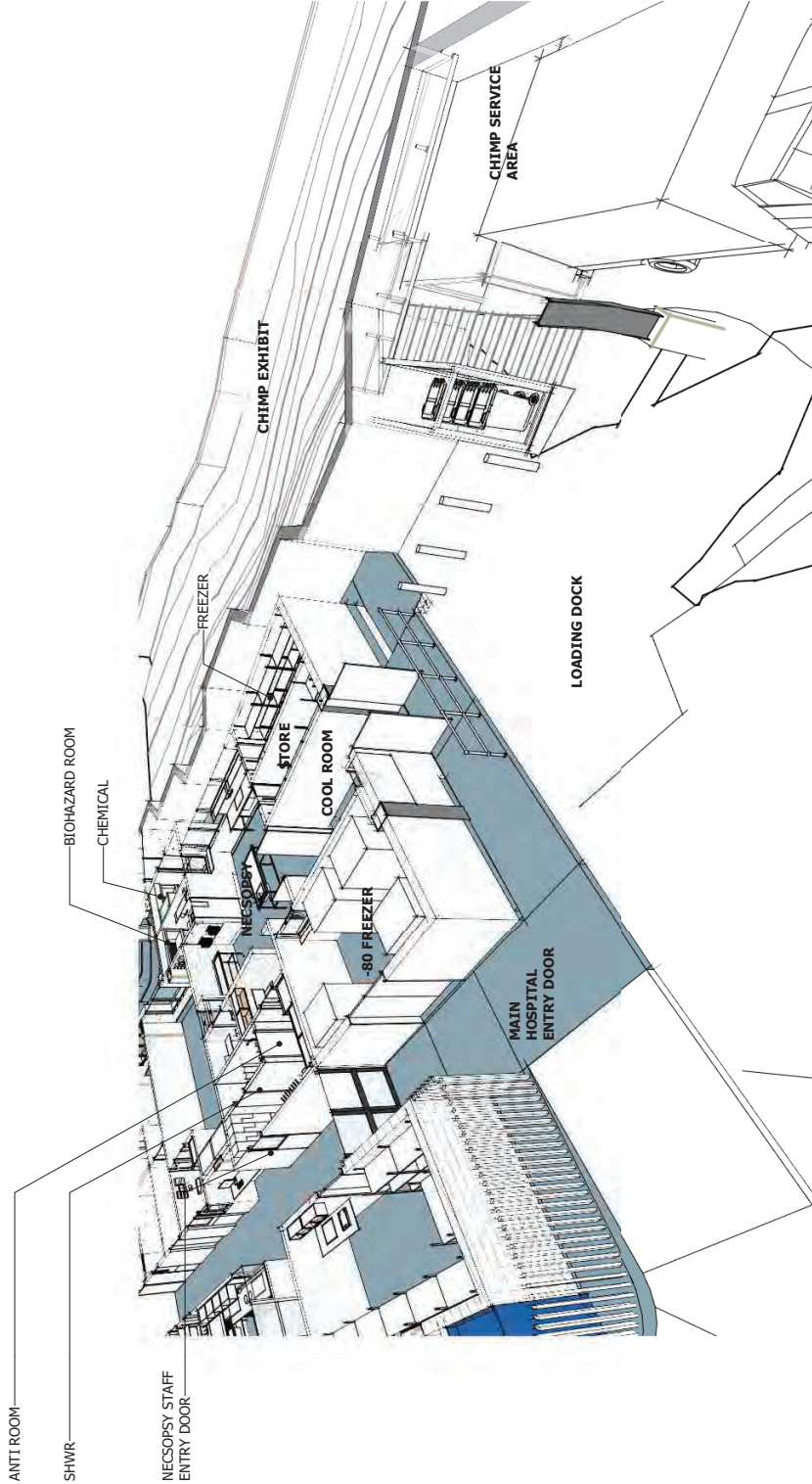
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Drawings are to be read in conjunction with all other contract documents.

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ENDORSEMENT



SCHEMATIC DESIGN

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Architect Designer

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TARONGA CONSERVATION

SOCIETY AUSTRALIA

TARONGA ZOO WILDLIFE

HOSPITAL

BRADLEY'S HEAD ROAD, MOSMAN

Project Number

TWH 20-0527

Drawing

NECROPSY DEPARTMENT

SECTIONAL 3D VIEW

Scale (A3)

Date Printed

20/03/2022 2:24:44 PM

Drawn by

RL H.L165b

Check

D



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FOR SCHEMATIC DESIGN

SCHEMATIC DESIGN
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Issue	Description	Date	Crk	Auth
C	FOR 3/4/ ORNATION	24.06.2022	CB	PE
B	FOR 3/4/ ORNATION	24.05.2022	SZ	PE
A	FOR 3/4/ ORNATION	17.05.2022	PE	CB

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**TARONGA CONSERVATION
SOCIETY AUSTRALIA**

Project
TARONGA ZOO WILDLIFE
HOSPITAL

location
BRADLEYS HEAD ROAD, MOSMAN

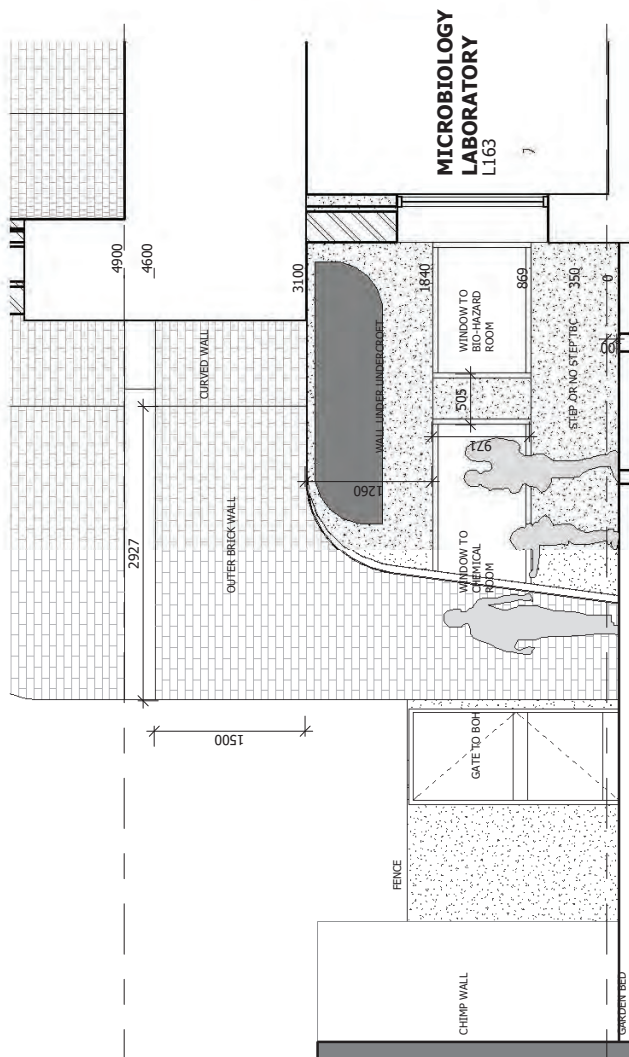
Project Number
TWH 20-0527

Viewing
Necropsy Department
Guest Viewing Window
Elevations

Date Printed
28/06/2022 2:34:55 PM

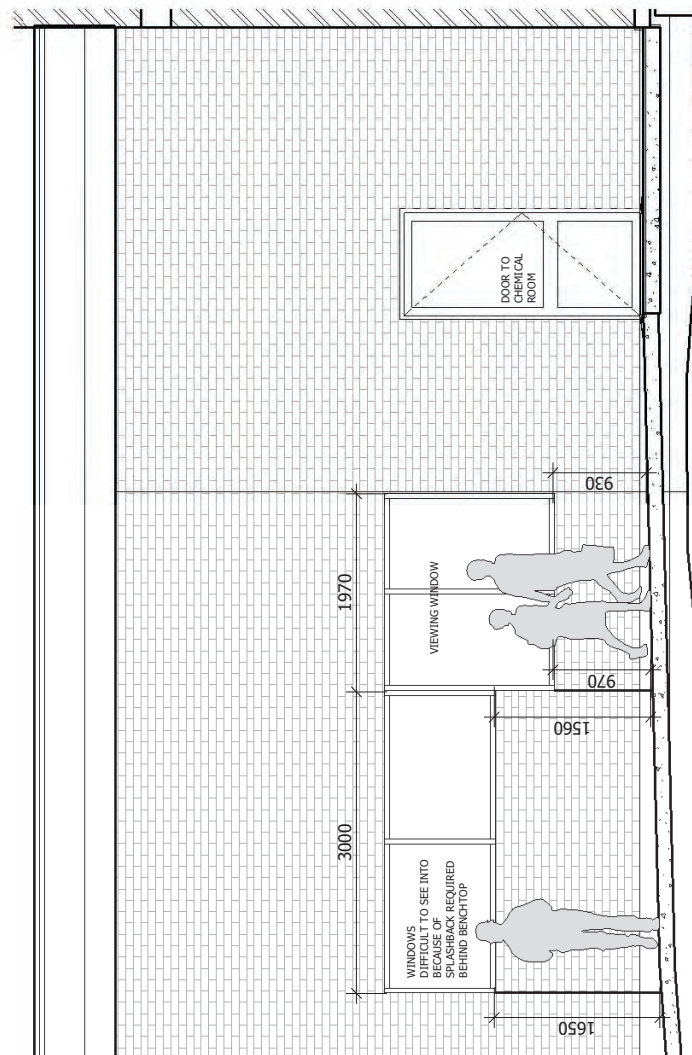
Drawing Number
 RL H.L165C

Issue
 C



○ WH LEVEL 2
RL 67.000

○ WH LEVEL 1
RL 62.200



2 NECROPSY - BOH VIEWING WINDOWS
1:50

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	THRESHOLD RAMP	1	1
	FITTINGS, FURNITURE & EQUIPMENT (FF&E)		
FID-014	DISPENSER: disposable glove	2	1
FID-025	DISPENSER: paper/hand towel	1	1
FID-031	DISPENSER: soap	2	1
FID-031	DISPENSER: disinfectant	2	1
FID-031	DISPENSER: antiseptic	1	1
FHR-033	PANEL for storage bins, wall mount	1	1
FID-032	BENCH: 750D, open under, stainless steel lipod	1	1
FID-058.3	BENCH TOP - , jersey under	1	1
FID-070	BENCH TOP: 750D, jersey under, stainless steel lipod	1	1
FID-100	BENCH LECS: stainless steel, for bench top	1	1
FID-196	SHELF: stainless steel, overbench, wall mount	1	2
FQCN-003	BASKET: wire mesh, stainless steel	3	2
FID-009	FIRE HOSE REEL	1	1
FID-009	BASIN: SQUIB, TYPE A	1	1
FID-051	SINK: single	1	1
FID-051	SINK: single 600 x 450 x 450D	1	1
FID-037.1	TAPWARE: mixer, above levers, wall mount	1	1
FID-038	TAPWARE: mixer, above levers, wall mount	1	2
FID-038	TAPWARE: mixer, above levers, long	1	1
FID-142	BACKREST TABLE: wet table	1	2
	ROOM FABRICS		
FID-003	FLOOR MAT: Foamback	1	2

FOR SCHEMATIC DESIGN
ENDORSEMENT

SCHEMATIC DESIGN

Issue	Description	Date	Onk	Auth
-	FOR 3rd ORIENTATION	24.06.2022	CS	PE
S	FOR 3rd ORIENTATION	24.05.2022	SZ	PE
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**TARONGA CONSERVATION
SOCIETY AUSTRALIA**

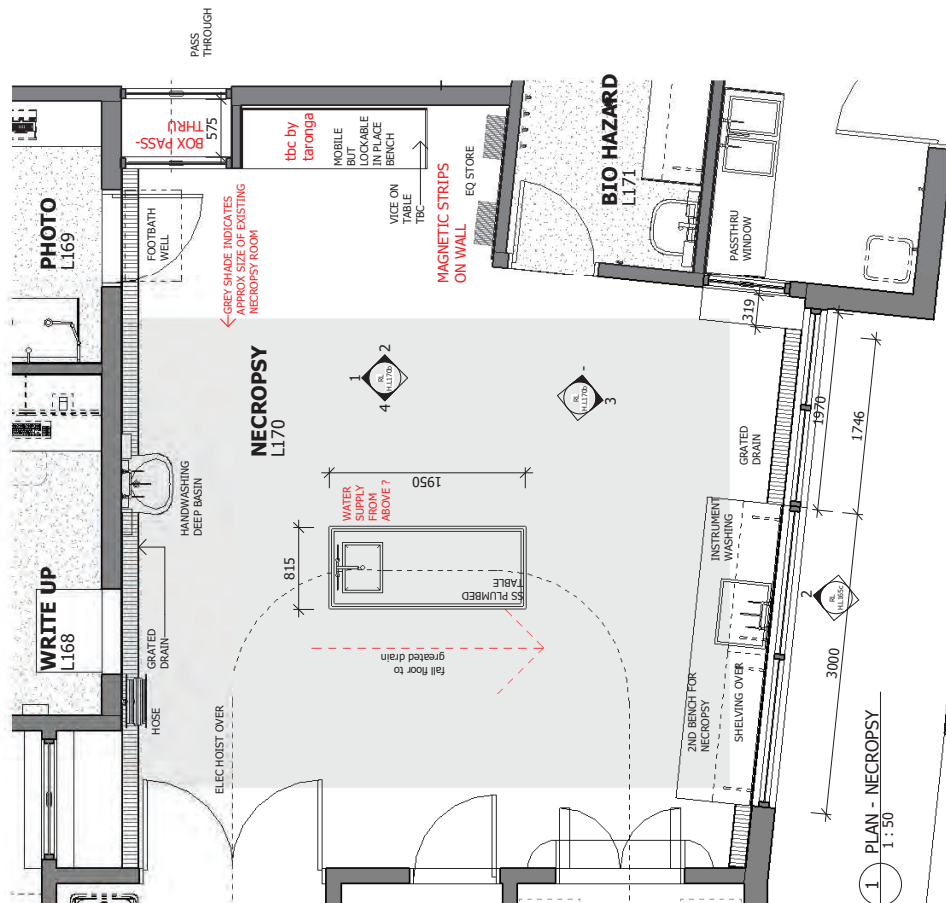
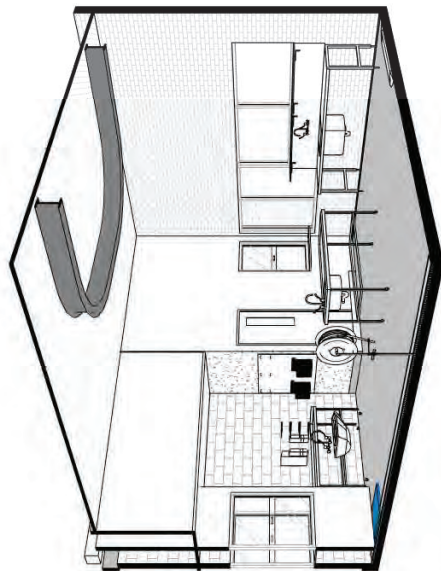
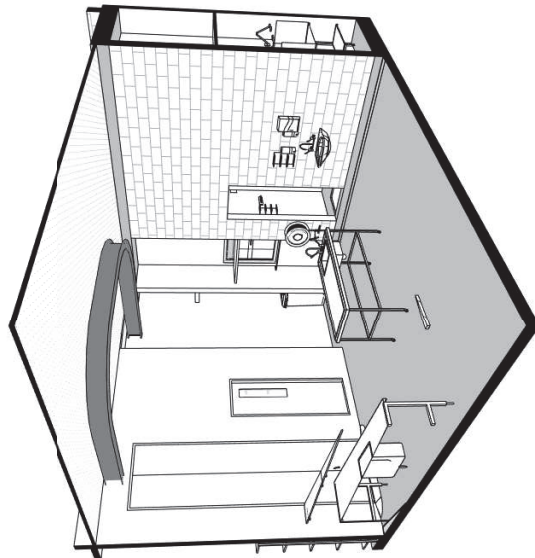
Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

NECROPSY

Scale (A3) _____ Date Printed _____

Drawing Number	Issue
RL H.L170a	C



FOR SCHEMATIC DESIGN
ENDORSEMENT



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SOCIETY AUSTRALIA

Location
BRADLEYS HEAD ROAD, MOSMAN

TWHL 20-0527

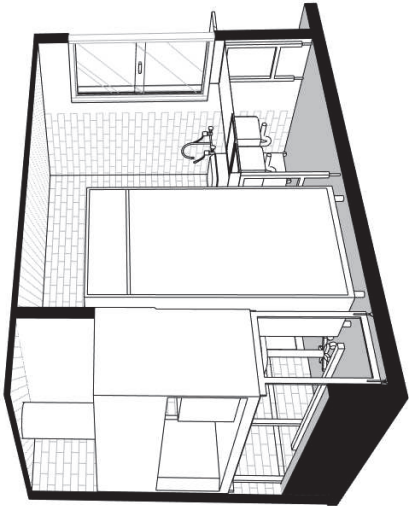
NECROPSY ELEVATIONS

Scale (A3)	Date Printed
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RL H.L170b



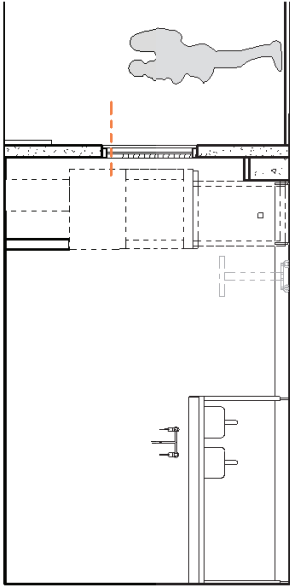
RL L172 FFE SCHEDULE			
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FITTINGS, FURNITURE & EQUIPMENT [FF&E]			
DWMD-007	BLIND: venetian, integral	1	1
FHR-026	COATHOOK	1	2
FXD-021	BENCH: 600D, open under, stainless steel lippled	1	1
IQBS-062	STOOL: mobile, high, adj height	3	1
IQCA-030	NECROPSY FORMALIN: Requires powerpoint + Vent	3	1
IQCV-004	BIN: waste, clinical, 120L	3	1
HYBA-052	SINK: Small single, 500 x 350 x 250D	1	2
HYTH-07.1	TAPWARE: mixer, elbow levers, wall mount	1	1
PHBX-013	FUME CUPBOARD	1	1



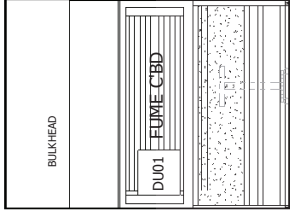
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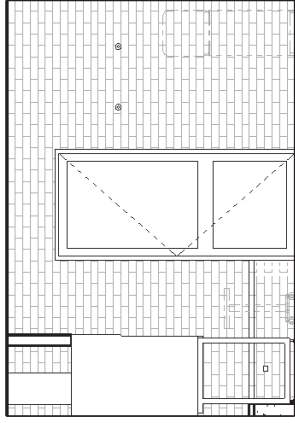
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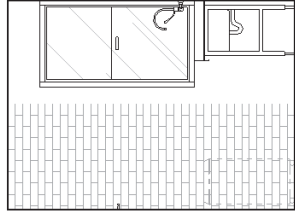
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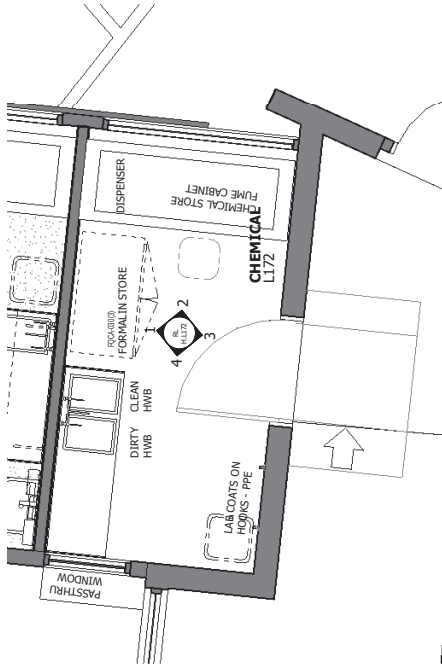
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3 ELEVATION
1 : 50



4 ELEVATION
1 : 50



NEC - CHEMICAL
1 : 50

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ENDORSEMENT

SCHEMATIC DESIGN
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C FOR INFORMATION 24/03/2021 CB PE
B FOR INFORMATION 24/03/2021 CB PE
A FOR INFORMATION 24/03/2021 CB PE
Date: 24/03/2021
Author: CB
Checked: PE
Approved: PE
Project: TONGA WILDLIFE HOSPITAL & CONSERVATION CENTRE
Project Number: TWH 20-0527

Client: TONGA WILDLIFE HOSPITAL & CONSERVATION CENTRE
Project: TONGA WILDLIFE HOSPITAL & CONSERVATION CENTRE
Project Number: TWH 20-0527

Project Number: TWH 20-0527

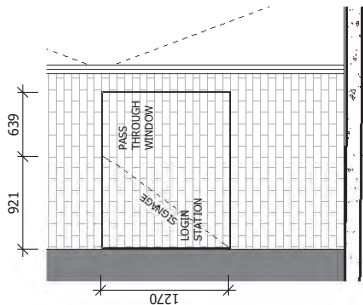
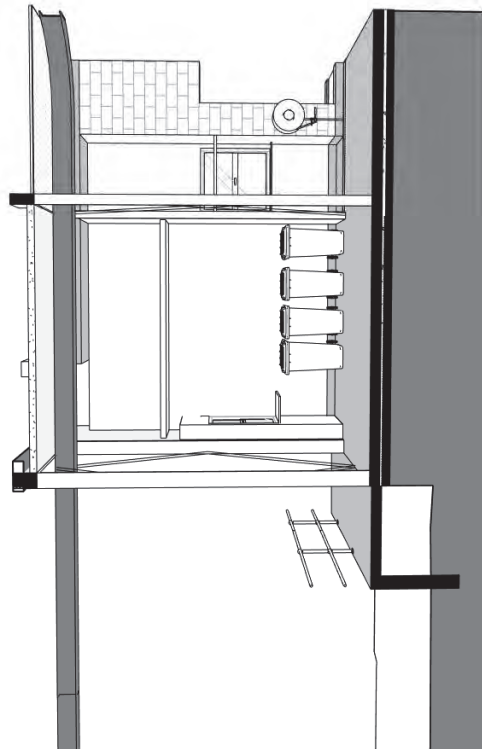
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Project: TONGA WILDLIFE HOSPITAL & CONSERVATION CENTRE

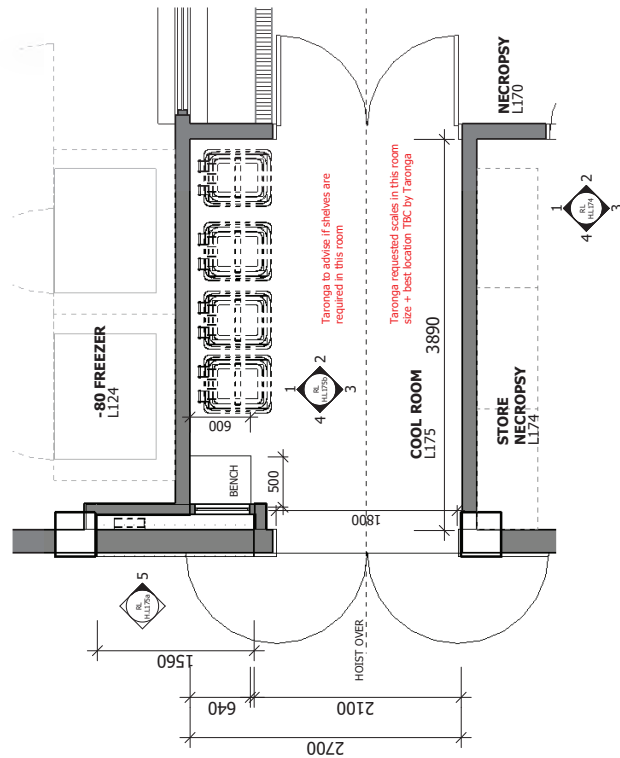
Project Number: TWH 20-0527

Client: TONGA WILDLIFE HOSPITAL & CONSERVATION CENTRE

RL L175 PFE SCHEDULE			
CODE	DESCRIPTION	ID GR	QTY
	FITTINGS; PLUMBING & EQUIPMENT (P&E)		
PFX-068.3	PIPE, 1/2" SCH 40S, 10' LONG	1	1
PFX-069.3	FLANGE, 1/2" BORE UNDER	1	1
FOOW-006	BIN, waste, clinical, 240L	3	4



5 NECROPSY LOGIN STATION
1:50



- PLAN - COOL ROOM
1 : 50

SCHEMATIC DESIGN
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	Issue	Description	Date	Chk	Auth
C	FOR INFORMATION		24.06.2022	CB	PE
S	FOR INFORMATION		24.05.2022	SZ	PE
A	FOR INFORMATION		17.05.2022	PE	CB

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Joint
TARONGA CONSERVATION
SOCIETY AUSTRALIA

[illegible]

Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

COOL ROOM

Scale (A3)
1 : 50

Date Printed
28/06/2022 2:37:37 PM

Drawing Number	RL H.L175a	Issue C
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○ WH LEVEL 2
RL 67.000



○ WH LEVEL 1
RL 62.200

Notes

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Issue	Description	Date	Chk	Auth
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B	FOR 3#/06/2022	24.05.2022	SZ	PE
A	FOR 3#/06/2022	17.05.2022	PE	CB

dwpp
 Architect/ Designer
 www.dwp.com

Client
TARONGA CONSERVATION
SOCIETY AUSTRALIA

Project	TARANGA ZOO WILDLIFE HOSPITAL	Project Number	TWH 20-0527
BRADLEY'S HEAD ROAD, MOSMAN		Drawings	COOL ROOM
Scale (A3)	1 : 50	Issued	
Date Printed	20/06/2022	Issue	1
Sheet Number	1 of 1	Client	RL H: L175b



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Client: Taronga Conservation Society Australia

Project: Taronga Zoo Wildlife Hospital

Location: Bradleys Head Road, Mosman

Scale: 1:50

Date: 20/05/2023

Drawn by: [Name]

Checked by: [Name]

Approved by: [Name]

Project Number: TWH 20-0527

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ENDORSEMENT



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P	FOR INFORMATION	24/05/2023	CB	PE
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X	FOR INFORMATION	24/05/2023	CB	PE
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Z	FOR INFORMATION	24/05/2023	CB	PE

Architect: dwp

Website: www.dwp.com

Client: TARONGA CONSERVATION SOCIETY AUSTRALIA

Project: TARONGA ZOO WILDLIFE HOSPITAL

Location: BRADLEYS HEAD ROAD, MOSMAN

Project Number: TWH 20-0527

Drawing: MARINE WILDLIFE LEVEL 1

Scale: 1:50

Date: 20/05/2023

Drawn by: [Name]

Checked by: [Name]

Approved by: [Name]

RL H.L178a

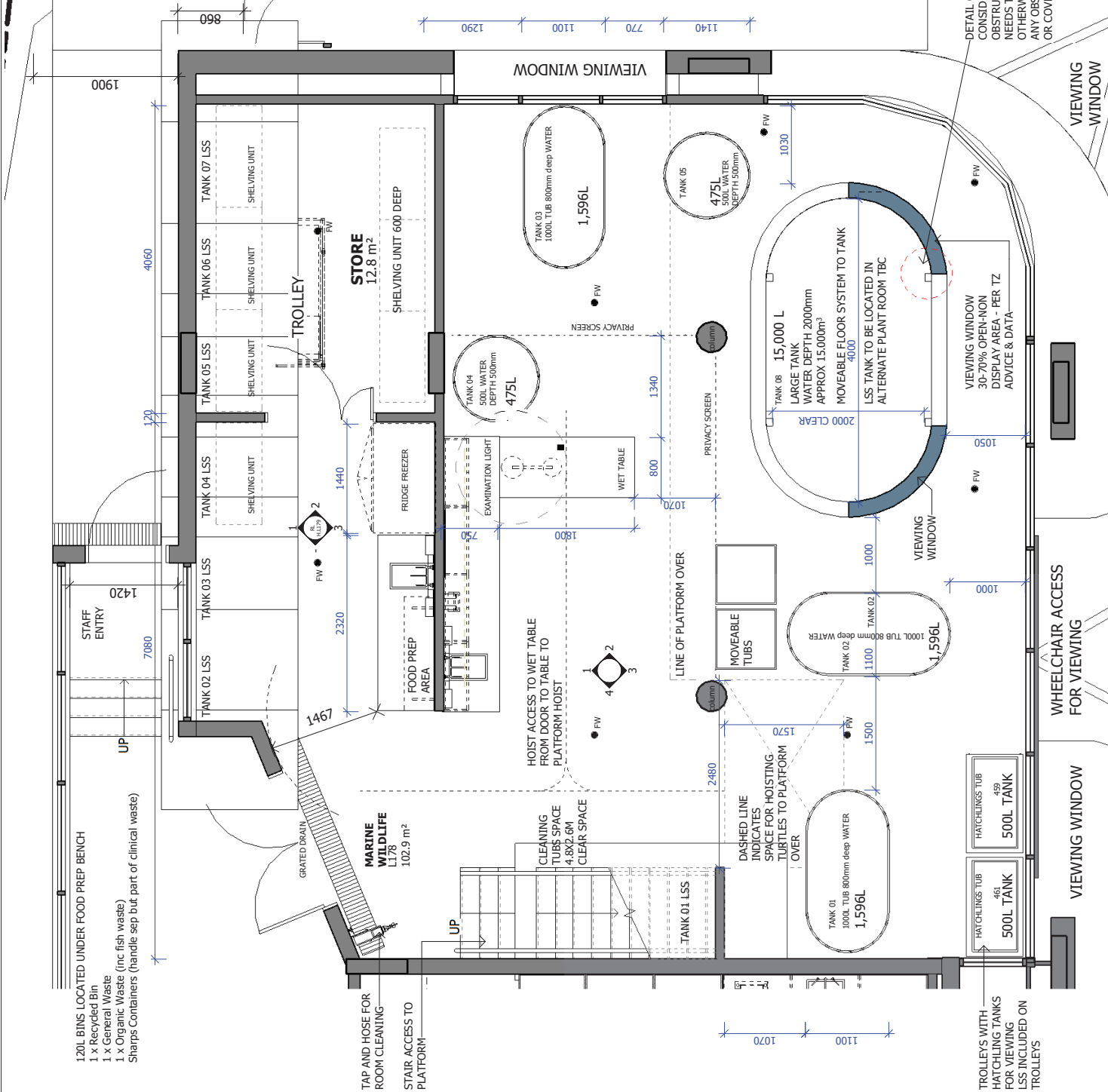
H



1. LARGE TANK LOCATED AT LEVEL 1
- the tank has been allowed for a raised base to allow for good drainage at the base of the tank
- LIGHT CLEARANCES ABOVE AND BELOW PLATFORM MIN 2100MM
- 1000MM MIN PLATFORM WIDTHS + CIRCULATION AROUND THE ROOM PROVIDED
- ACCESS TO TANK VIA STAIRS + WING FOR LARGER TURTLES TO BE HOISTED UP TO THE PLATFORM
- OPERABLE PLATFORM WITHIN POOL TO LIFT TURTLE UP FOR INSPECTION OR REMOVING FROM HEIGHTS ISSUES WITH POOL? HAVE ALLOWED FOR BALUSTRADE (REMOVABLE) AROUND THE LARGE POOL
- HIDE LOCATED IN TANK FOR ANIMAL CARE
- REQUIRED LSS SUPPORT SERVICES FOR THIS SIZE OF POOL? DWP AWAITING FEEDBACK ON DIMENSIONS OF LSS FOR EACH TANK
- 2.

MARINE WILDLIFE TANK SCHEDULE (TBC TARONGA)

TANK NUMBER	VOLUME	DETAILS
TANK 01	1,596L	1000L TUB 800mm deep WATER
TANK 02	1,596L	1000L TUB 800mm deep WATER
TANK 03	1,596L	1000L TUB 800mm deep WATER
TANK 04	475L	500L WATER DEPTH 500mm
TANK 05	475L	500L WATER DEPTH 500mm
TANK 06	475L	500L WATER DEPTH 500mm
TANK 07	475L	500L WATER DEPTH 500mm
TANK 08	15,000 L	LARGE TANK WATER DEPTH 2000mm
TANK 09	8,232L	BLUE POOL 2600DIA 1.6M DEEP WATER DEPTH
TANK 10	3,589L	GREEN POOL 2400DIA 1M WATER DEPTH
TANK 11	3,589L	GREEN POOL 2400DIA 1M WATER DEPTH



DETAIL OF PLATFORM STRUCTURE NEEDS CONSIDERATION TO PREVENT ANY OBSTRUCTIONS IN TANK INSIDE FACE OF TANK NEEDS TO BE SMOOTH FOR TURTLES OTHERWISE THEY WILL KNOCK THEMSELVES ON ANY OBSTRUCTIONS - MAYBE COLUMNS ROUND OR COVERED? TBC

VIEWING WINDOW

WHEELCHAIR ACCESS FOR VIEWING

VIEWING WINDOW

TROLLEYS WITH HATCHLING TANKS FOR VIEWING LSS INCLUDED ON TROLLEYS

HATCHLING TUB 459 500L TANK

HATCHLING TUB 461 500L TANK

[illegible]

SCHEMATIC DESIGN
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Issue	Description	Date	Crk	Auth
C	FOR INFORMATION	24.06.2022	CB	PE
B	REVISED MARINE LAYOUTS	22.06.2022	CB	PE
A	REVISED MARINE LAYOUTS	09.06.2022	CB	PE

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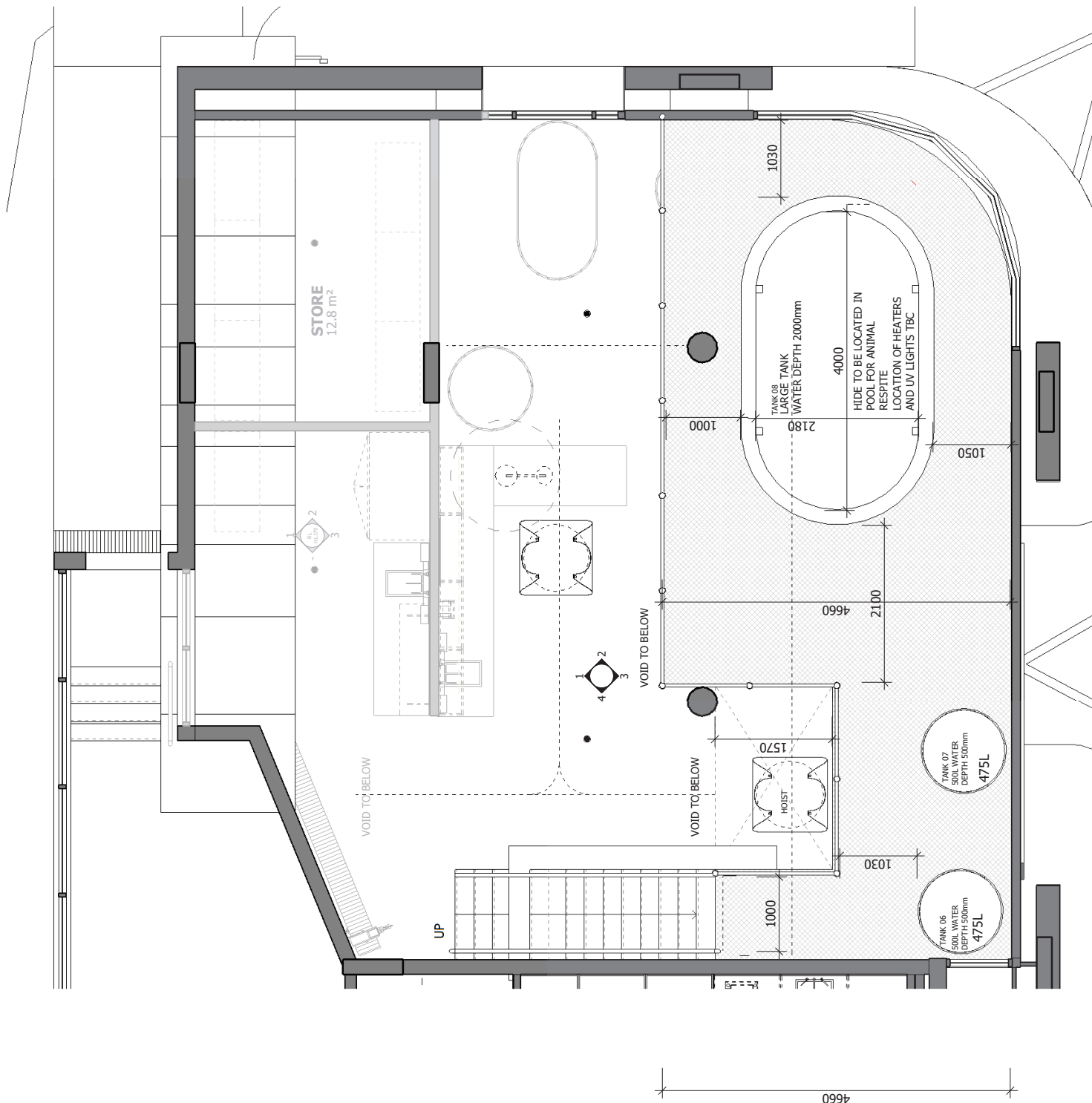
TARONGA CONSERVATION

Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

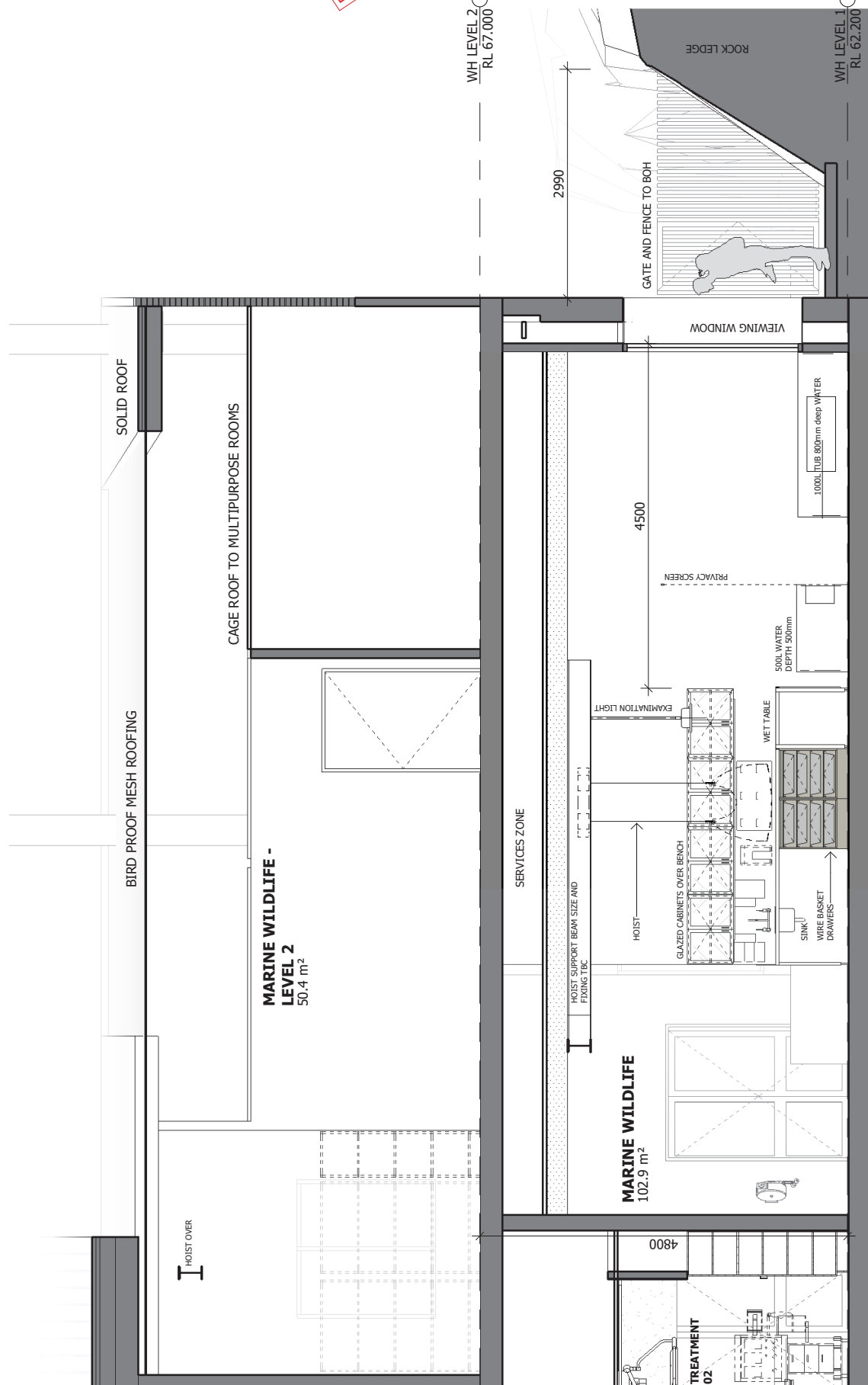
Crawling LARGE POOL PLATFORM

Scale (A3) _____ Date Printed _____

Drawing Number
RL H.L178aa

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FOR SCHEMATIC DESIGN



1 NORTH ELEVATION
1:50

SCHEMATIC DESIGN
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Issue	Description	Date	Crk	Auth
E	FOR INFORMATION	24.06.2022	CB	PE
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C	REVISED MARINE LAYOUTS	09.06.2022	CB	PE
B	FOR INFORMATION	24.05.2022	S2	PE
A	ISSUES FOR INFORMATION	03.03.2022	CB	PE

Client
TARONGA CONSERVATION
SOCIETY AUSTRALIA

Project
TARONGA ZOO WILDLIFE
HOSPITAL

Location
GRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

SAVING MARINE ELEVATION

Scale (A3)
1:50
Date Printed
28/05/2022 2:38:23 PM

Drawing Number **RL H.178b** E
Issue



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ENDORSEMENT

SCHEMATIC DESIGN

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100	FOR INFORMATION	24.03.2021	CB	PE

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TARONGA CONSERVATION
SOCIETY AUSTRALIA
PROJECT
TARONGA ZOO WILDLIFE
HOSPITAL
BRADLEY'S HEAD ROAD, MOSMAN

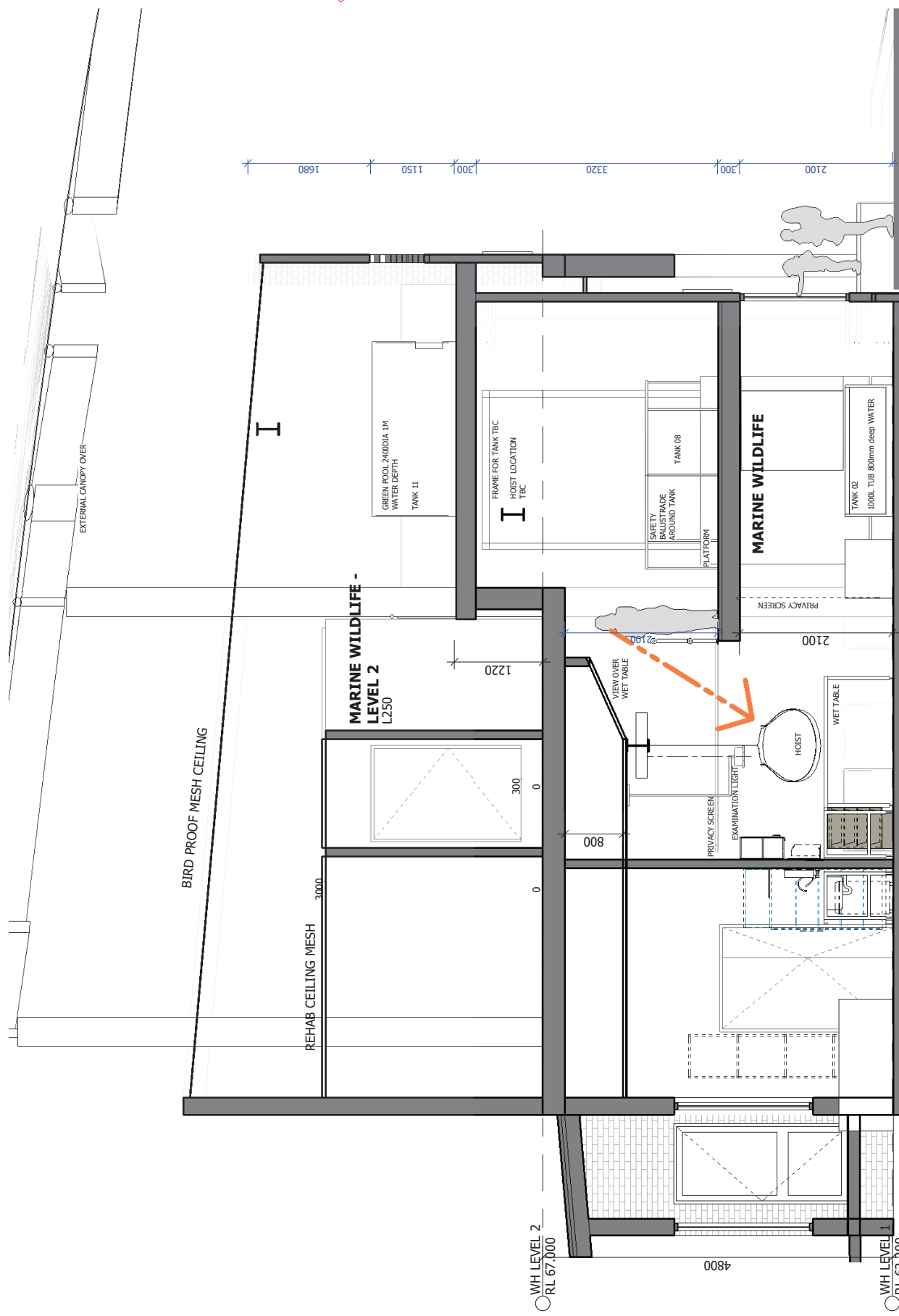
Project Number
TWH 20-0527

Drawing
MARINE ELEVATION

Scale 1:50
Date Printed
20/07/2021 2:38:22 PM

RL H.1178c F

TARONGA Wildlife Hospital



2 EAST ELEVATION
1:50

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Issue	Description	Date	Auth
1	FOR INFORMATION	24.04.2022	CB PE
2	REVISED FINANCIAL LAYOUTS	22.06.2022	CB PE
3	REVISED FINANCIAL LAYOUTS	09.04.2022	CB PE
4	FOR INFORMATION	24.05.2022	SZ PE
5	FOR SHAREHOLDER SDN OFF	02.05.2022	PE PE
6	FOR INFORMATION	11.03.2022	CB PE
7	ISSUES FOR INFORMATION	03.03.2022	CB PE

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STARONGA CONSERVATION

Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

MARINE ELEVATION DRAWING

Locate (A3)
1:50
Date Printed
28/06/2022 2:38:42 PM

Drawing Number
RL H.L178d

Issue
G




3 SOUTH ELEVATION
1:50

○ WH ROOF
PI 75 245

○ WH_LEVEL 3
DI 70 300

○ WH LEVEL 2
PI 67 000

WH LEVEL 1
01 63 300

4 WEST ELEVATION
1:50

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RE	REVISED MARINE LAYOUTS	22.06.2022	CB	PE
DO	REVISED MARINE LAYOUTS	09.06.2022	CB	PE
SC	FOR #8 QUANTON	24.05.2022	SZ	PE
	FOR #9 QUANTON	11.03.2022	CB	PE
JA	ISSUES FOR INFORMATION	03.03.2022	CB	PE

Architecture Designer
dwp
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Client
TARONGA CONSERVATION
SOCIETY AUSTRALIA

Project
TARONGA ZOO WILDLIFE
HOSPITAL

BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

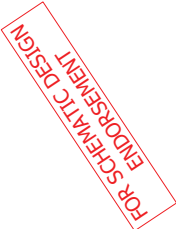
MARINE ELEVATION

1:50
28/06/2022 2:38:51 PM

RL H.LI/8e F

TARONGA
CORPORATION
CORPORATION
CORPORATION

○

[illegible]

1 ELEVATION
1 : 50

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STARONGA CONSERVATION
SOCIETY AUSTRALIA

Project
TARONGA 700 WIND TFF

HOSPITAL

location
BRADLEY'S LEAF ROAD MOORE

BRADLEYS HEAD ROAD, MUSMAN

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Project Number	200537
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1750-07 HMA I

MARINE STORE ELEVATIONS

Scale (A3) _____ Date Printed _____

1:50 28/06/2022 2:39:01 PM

Drawing Number	Issue
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14	1
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TARONGA
CONSERVATION TRUST FUND

Wildlife Hospital

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[illegible]

FOR SCHEMATIC DESIGN
ENDORSEMENT

SCHEMATIC DESIGN
NOT TO BE USED DURING CONSTRUCTION

Issue	Description	Date	Chk	Auth
A	STAKEHOLDER REFERENCE	12.04.2022	PE	PE
B	FOR STATEHOLDER SD SON OFF	02.05.2022	PE	PE
C	FOR 3RF ORIENTATION	24.05.2022	SZ	PE
D	REVISED MARINE LAYOUTS	09.06.2022	CB	PE
E	REVISED MARINE LAYOUTS	22.06.2022	CB	PE
F	FOR 3RF ORIENTATION	24.06.2022	CB	PE

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Client
TARONGA CONSERVATION
SOCIETY AUSTRALIA

Project	TARONGA ZOO WILDLIFE HOSPITAL
Location	BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

Drawing
MARINE WILDLIFE 3D VIEWS

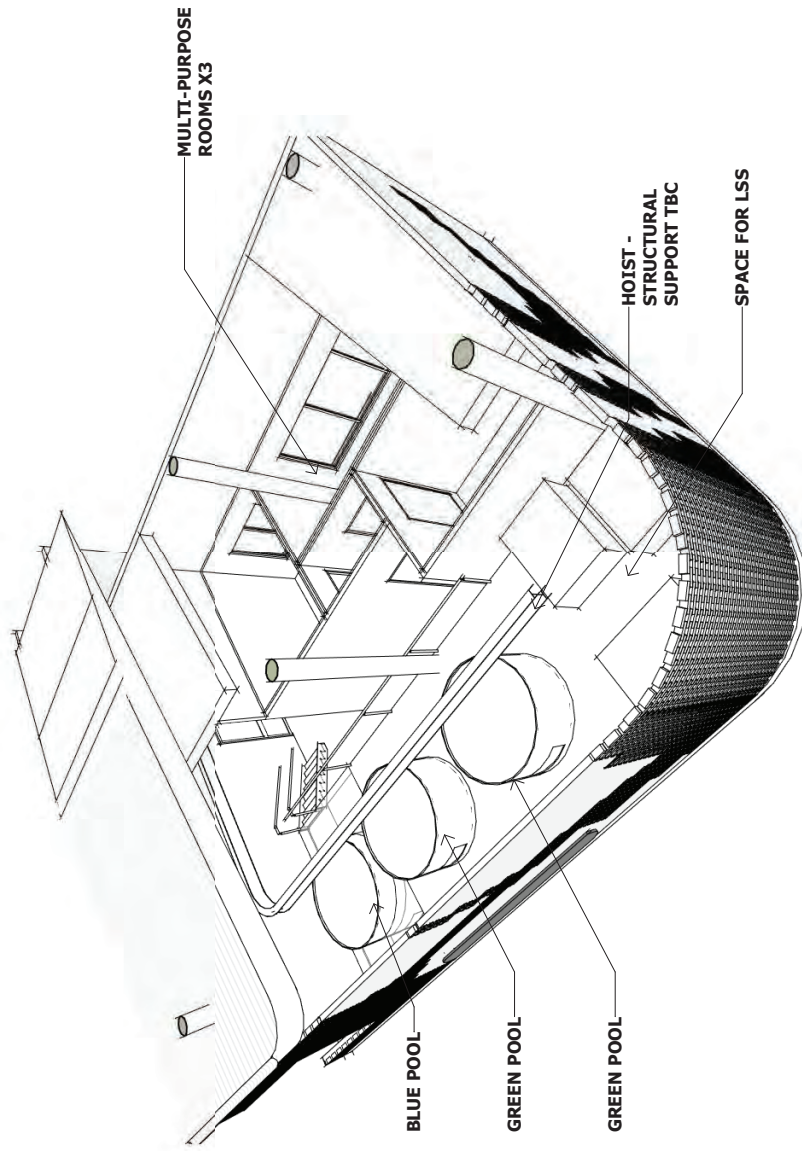
Scale (A3) Date Printed

Drawing Number	RL H.L250C	Issue	F
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TARONGA
CONSERVATION
Wildlife Hospital

1 3D MARINE LEVEL 2



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The digital dimensions only. Do not scale from drawings.

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SCHEMATIC DESIGN
NOT TO BE USED DURING CONSTRUCTION

Issue	Description	Date	Ck	Auth
D	FOR INFORMATION	24.06.2022	CB	PE
E	REVISED MARINE LAYOUTS	22.06.2022	CB	PE
S	REVISED MARINE LAYOUTS	09.06.2022	CB	PE
A	FOR INFORMATION	24.05.2022	SZ	PE

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SOCIETY AUSTRALIA

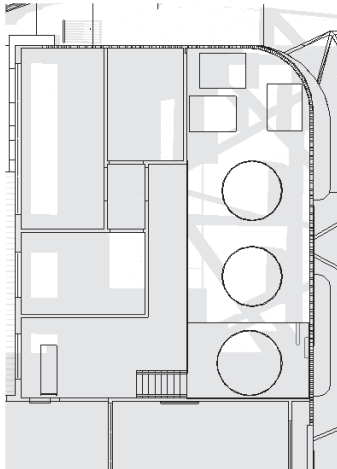
Project
TARONGA ZOO WILDLIFE
HOSPITAL
Location
BRADLEYS HEAD ROAD, MOSMAN

Project Number
TWH 20-0527

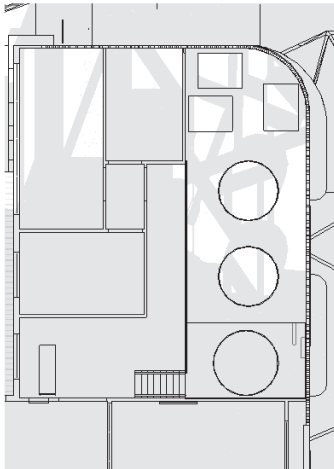
Marine Wildlife Shadow
Diagram Spring Folinox

Scale (A3) _____ Date Printed _____

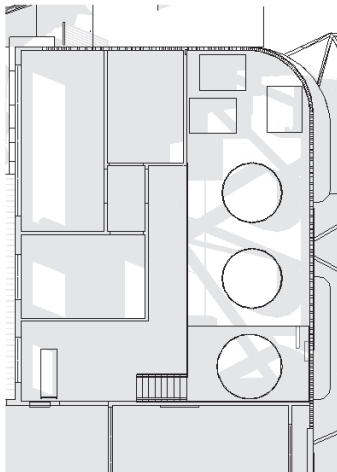
Drawing Number	Issue
RL H.L250f	D



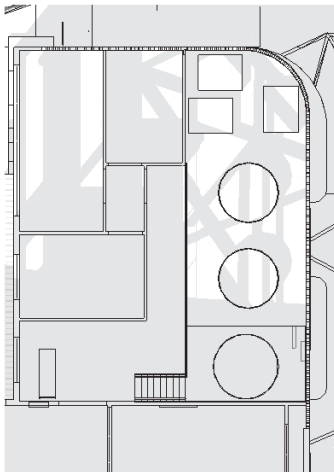
SPRING EQUINOX - 11AM



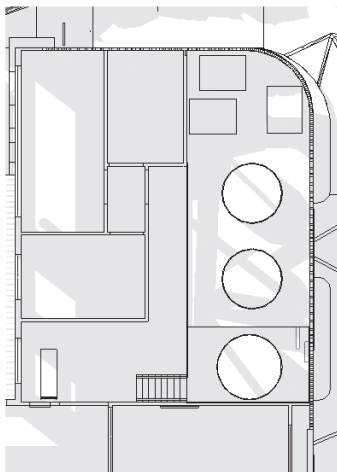
SPRING EQUINOX - 2PM



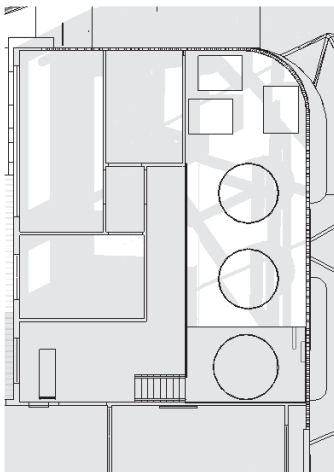
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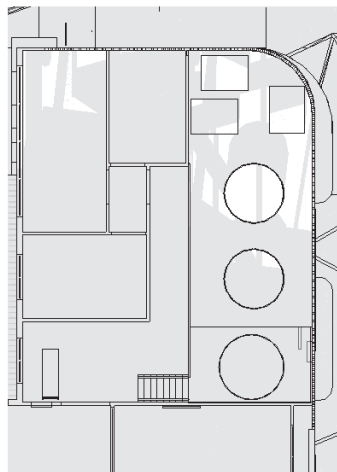
SPRING EQUINOX - 1PM



SPRING EQUINOX - 9AM



SPRING EQUINOX - 12PM



SPRING EQUINOX - 3PM

APPENDIX B

BASIC & EXTENSIVE AHIMS RESULTS

Urbis Pty Ltd - Angel Place L8 123 Pitt Street

Date: 21 June 2022

Level 8 123 Angel Street
Sydney New South Wales 2000

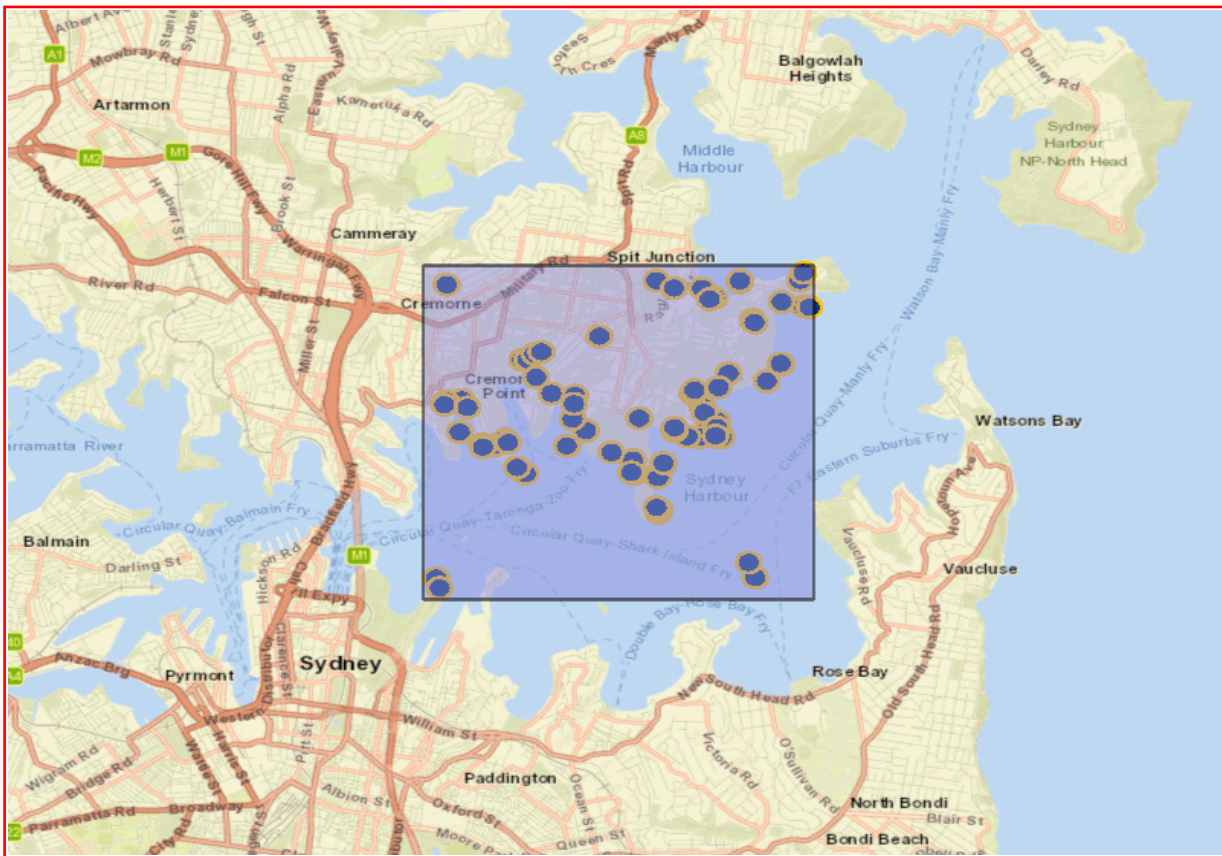
Attention: Wade Goldwyer

Email: wgoldwyer@urbis.com.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Datum :GDA, Zone : 56, Eastings : 335423.0 - 339423.0, Northings : 6251823.0 - 6255823.0 with a Buffer of 0 meters, conducted by Wade Goldwyer on 21 June 2022.

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



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

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

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(https://www.legislation.nsw.gov.au/gazette\)](https://www.legislation.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Heritage NSW upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Heritage NSW and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : P0034998 - Basic Search 2

Client Service ID : 693990

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-2935	Yurong 1	GDA	56	335555	6252020	Open site	Valid	Shell : 6		
	<u>Contact</u>	<u>Recorders</u>		Michael Guider,Mr.Paul Irish				<u>Permits</u>		
45-6-2331	Koree Cave	AGD	56	338450	6254370	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>		
45-6-0265	Balmoral Beach	AGD	56	338550	6255480	Open site	Not a Site	Art (Pigment or Engraved) : -	Not an Aboriginal Site	2025
	<u>Contact</u>	<u>Recorders</u>		Margrit Koettig,Michael Guider				<u>Permits</u>		
45-6-2806	Cobblers Beach 3	AGD	56	339176	6255515	Open site	Valid	Habitation Structure : 1, Shell : 1		
	<u>Contact</u> T Russell	<u>Recorders</u>		Matthew Kelleher				<u>Permits</u>		
45-6-1699	Obelisk Bay Cave	AGD	56	339220	6255200	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Midden,Shelter with Art	1293,2025,2988
	<u>Contact</u>	<u>Recorders</u>		Michael Guider,Michael Guider,A.K Morris,A.K Morris				<u>Permits</u>		
45-6-0273	Cremorne Point Shell Cove	GDA	56	335999	6253655	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>		Charles.D Power,Aboriginal Heritage Office				<u>Permits</u>		
45-6-0272	Robertson's Point Cremorne	GDA	56	336129	6253645	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	597
	<u>Contact</u>	<u>Recorders</u>		Charles.D Power,Aboriginal Heritage Office				<u>Permits</u>		
45-6-2816	Little Fish Park Midden	AGD	56	336858	6254073	Open site	Valid	Habitation Structure : 1, Shell : 1		
	<u>Contact</u> T Russell	<u>Recorders</u>		Matthew Kelleher				<u>Permits</u>		
45-6-1959	Taronga Zoo Cave;Mosman;	AGD	56	336980	6253650	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>	3854	
45-6-2820	Chowder Head 6	AGD	56	338231	6253853	Open site	Valid	Habitation Structure : 1		
	<u>Contact</u> S Scanlon	<u>Recorders</u>		Matthew Kelleher				<u>Permits</u>		
45-6-0640	Mosman-Sydney	GDA	56	335604	6255590	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider,Aboriginal Heritage Office				<u>Permits</u>		
45-6-0274	Cremorne Point Crows Nest	GDA	56	336249	6253720	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider,Aboriginal Heritage Office				<u>Permits</u>		
45-6-0267	Mosman;	AGD	56	337682	6255487	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>	<u>Recorders</u>		Margrit Koettig,W.D Campbell				<u>Permits</u>		
45-6-2807	Bradleys Head East 1	AGD	56	337739	6253143	Open site	Valid	Habitation Structure : 1, Shell : 1		
	<u>Contact</u> T Russell	<u>Recorders</u>		Ms.Alison Nightingale				<u>Permits</u>		

Report generated by AHIMS Web Service on 21/06/2022 for Wade Goldwyer for the following area at Datum :GDA, Zone : 56, Eastings : 335423.0 - 339423.0, Northings : 6251823.0 - 6255823.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 82

This information is not guaranteed to be free from error omission. 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	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-2208	Bradleys Beach rock shelter	AGD	56	337751	6252663	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-2320	Burrage Cave;Mosman;	AGD	56	337790	6253250	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-0677	Balmoral Beach 2;Bungarees cave;	AGD	56	338250	6255290	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	1809,2025,98676
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-0678	Balmoral Beach 3;	AGD	56	338160	6255400	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -, Burial : -	Burial/s,Midden,Shelter with Art	1809,2025,2988
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-2124	Chowder Head 2;	AGD	56	338188	6253961	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	2025
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-1701	Little Sirius Cove Midden;	AGD	56	336837	6253788	Closed site	Valid	Artefact : -, Shell : -	Midden,Shelter with Deposit	1293,2025
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-2066	Red Ochre Fish	AGD	56	337481	6253127	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809,1895,2025
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-2068	Shell Cove 2	GDA	56	335784	6254190	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-2322	Red Fish 2;Mosman;	AGD	56	337740	6253090	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-1896	Chowder Head	AGD	56	338303	6253598	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-2811	Obelisk Bay CavePAD	AGD	56	339281	6255190	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-2819	Chowder Head 5	AGD	56	338266	6253757	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	<u>Contact</u>									
	<u>Recorders</u>									
45-6-0641	Crows Nest;Neutral Bay;	AGD	56	335516	6253982	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>									
	<u>Recorders</u>									

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : P0034998 - Basic Search 2

Client Service ID : 693990

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-2071	Cremorne Pt. 1	GDA	56	336464	6253305	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,Aboriginal Heritage Office					<u>Permits</u>		
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
	<u>Contact</u>	<u>Recorders</u>	W.D Campbell,Aboriginal Heritage Office					<u>Permits</u>		
45-6-2069	Shell Cove 1	GDA	56	335844	6254100	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,Aboriginal Heritage Office					<u>Permits</u>		
45-6-2062	Bradleys Beach	AGD	56	337762	6252708	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,1895,2025
	<u>Contact</u>	<u>Recorders</u>	Val Attenbrow,Michael Guider					<u>Permits</u>		
45-6-2818	Chowder Head 4	AGD	56	338300	6253800	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	<u>Contact</u> S Scanlon	<u>Recorders</u>	Matthew Kelleher					<u>Permits</u>		
45-6-2330	Two Fish;Clifton Gardens;	AGD	56	338370	6253650	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2334	Chowder Head 5;Clifton Gardens;	AGD	56	338390	6253590	Open site	Valid	Shell : -, Artefact : -	Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-0665	Mosman Bay;	AGD	56	337100	6254800	Open site	Deleted	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,W.D Campbell					<u>Permits</u>		
45-6-1897	Chowder Head 1	AGD	56	338161	6253587	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Midden,Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2179	Shark Island 1;	GDA	56	338876	6252082	Open site	Valid	Shell : -, Artefact : -	Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,GML Heritage Pty Ltd - Surry Hills,Doctor.Tim Owen					<u>Permits</u>		
45-6-2061	Red Shield Cave;	AGD	56	335910	6253430	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2323	Birds Nest Cave;Clifton Gardens;	AGD	56	337530	6253810	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-1899	Chowder Head 2	AGD	56	338036	6253594	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		
45-6-2963	Shell Cove Rd NSW NSC-070	GDA	56	335604	6254130	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Mr.Phil Hunt,Aboriginal Heritage Office					<u>Permits</u>		
45-6-1906	Reid Park 1;Mosman;	AGD	56	336300	6254500	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		

Report generated by AHIMS Web Service on 21/06/2022 for Wade Goldwyer for the following area at Datum :GDA, Zone : 56, Eastings : 335423.0 - 339423.0, Northings : 6251823.0 - 6255823.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 82

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : P0034998 - Basic Search 2

Client Service ID : 693990

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-2342	Fig Trees Midden	AGD	56	338290	6255291	Open site	Valid	Shell : -, Artefact : -	Midden	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>		
45-6-2329	Chowder Head 3;Clifton Gardens;	AGD	56	338330	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>		
45-6-2328	Chowder Head;Clifton Gardens;	AGD	56	338340	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>		
45-6-2178	Shark Island 2;	GDA	56	338802	6252265	Open site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider,GML Heritage Pty Ltd - Surry Hills,Doctor.Tim Owen				<u>Permits</u>		
45-6-2064	Little Sirius Pt. 2;Mosman;	AGD	56	336790	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>		
45-6-2934	Yurong Cave	GDA	56	335595	6251900	Closed site	Valid	Art (Pigment or Engraved) : -		102763
	<u>Contact</u>	<u>Recorders</u>		Michael Guider,Mr.Paul Irish				<u>Permits</u>		
45-6-2117	Clifton Cave;	AGD	56	338209	6253889	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>		
45-6-2814	Fire Trail PAD 2	AGD	56	338690	6255025	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<u>Contact</u> T Russell	<u>Recorders</u>		Matthew Kelleher				<u>Permits</u>		
45-6-2217	GH1	AGD	56	338850	6254280	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	2025,2988
	<u>Contact</u>	<u>Recorders</u>		Margrit Koettig				<u>Permits</u>		
45-6-1231	Sea Scouts Fence Cave	AGD	56	338550	6255500	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	2025,2204,2988
	<u>Contact</u>	<u>Recorders</u>		Margrit Koettig,Michael Guider,Michael Guider,Mr.R Taplin,Mr.R Taplin				<u>Permits</u>		
45-6-1698	Georges Head 1	AGD	56	339000	6254490	Closed site	Valid	Shell : -, Artefact : -	Midden,Shelter with Deposit	1293,2025,2988
	<u>Contact</u>	<u>Recorders</u>		Val Attenbrow				<u>Permits</u>		
45-6-2307	Cobblers Beach 1	AGD	56	339210	6255610	Open site	Valid	Shell : -, Artefact : -	Midden	
	<u>Contact</u>	<u>Recorders</u>		Michael Guider				<u>Permits</u>		
45-6-1702	Sirius Park Midden;	AGD	56	336850	6253973	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1293,1809,2025
	<u>Contact</u>	<u>Recorders</u>		Val Attenbrow,A.K Morris				<u>Permits</u>		
45-6-2118	Mosman Bradley's Head	AGD	56	337474	6253300	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025

Report generated by AHIMS Web Service on 21/06/2022 for Wade Goldwyer for the following area at Datum :GDA, Zone : 56, Eastings : 335423.0 - 339423.0, Northings : 6251823.0 - 6255823.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 82

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : P0034998 - Basic Search 2

Client Service ID : 693990

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0674	Bradley's Head;Taylor's Bay;	AGD	56	337900	6253662	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2220	Balmoral Beach 4;	AGD	56	338240	6255270	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2988
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2063	Little Sirius Pt. 3;	AGD	56	336792	6253460	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2206	Reid Park 3;Mosman;	AGD	56	336357	6254502	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0656	Mosman Bay	AGD	56	336428	6254573	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2042	Ashton park	AGD	56	337730	6252728	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,1895,2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1898	The Balcony	AGD	56	338343	6253710	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2327	Chowder Bay;Clifton Gardens;	AGD	56	338350	6254200	Open site	Valid	Shell : -, Artefact : -	Midden	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2230	Clifton Gardens 1;Clifton Gardens;	AGD	56	338080	6254120	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2332	Clifton Reserve 1;Clifton Gardens;	AGD	56	338100	6254160	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2813	GH 2	AGD	56	338850	6254284	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2092	Obelisk Bay	AGD	56	338990	6255250	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,2025,2988
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2119	Mosman Athol Beach	AGD	56	337460	6253150	Open site	Valid	Artefact : -	Open Camp Site	1895,2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0740	Mosman;Balmoral;	AGD	56	337866	6255399	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							

Report generated by AHIMS Web Service on 21/06/2022 for Wade Goldwyer for the following area at Datum :GDA, Zone : 56, Eastings : 335423.0 - 339423.0, Northings : 6251823.0 - 6255823.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 82

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : P0034998 - Basic Search 2

Client Service ID : 693990

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-2808	Bradleys Head East 2	AGD	56	337794	6253270	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell							Permits		
45-6-2333	Shale Cave;Clifton Gardens;	AGD	56	338330	6253610	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact							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							Permits		
45-6-2812	Fire Trail PAD 1	AGD	56	338710	6254995	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact T Russell							Permits		
45-6-1757	Georges Head 2	AGD	56	338990	6254500	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025,2988
	Contact							Permits		
45-6-1905	Reid Park 2;Mosman;	AGD	56	336500	6254600	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	Contact							Permits		
45-6-0028	Taylor's Bay;Chowder Head;	AGD	56	337900	6253700	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact							Permits		
45-6-0658	Crows Nest;Avenue Rd;	AGD	56	336611	6254095	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact							Permits		
45-6-2065	Little Sirius Pt. 1;Mosman;	AGD	56	336782	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	Contact							Permits		
45-6-2121	Cremorne Pt. 3;	AGD	56	336170	6253490	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact							Permits		
45-6-2080	Cremorne Pt 2	GDA	56	336374	6253380	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1809
	Contact							Permits		
45-6-2123	The Barn Cave;Mosman;	AGD	56	336450	6254290	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	2025
	Contact							Permits	2106	



AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : P0034998 - Basic Search 2

Client Service ID : 693990

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<u>Zone</u>	<u>Easting</u>	<u>Northing</u>	<u>Context</u>	<u>Site Status **</u>	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
---------------	-----------------	--------------	-------------	----------------	-----------------	----------------	-----------------------	---------------------	------------------	----------------

**** 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

Report generated by AHIMS Web Service on 21/06/2022 for Wade Goldwyer for the following area at Datum :GDA, Zone : 56, Eastings : 335423.0 - 339423.0, Northings : 6251823.0 - 6255823.0 with a Buffer of 0 meters.. Number of Aboriginal sites and Aboriginal objects found is 82

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APPENDIX C

CONSULTATION DOCUMENTS

STAGE 1.1 – NATIVE TITLE SEARCH

Search National Native Title Register

The National Native Title Register (NNTR) is a register established under s. 192 of the *Native Title Act 1993* (Cth).

The NNTR contains determinations of native title made by:

- the High Court of Australia
- the Federal Court of Australia
- or a recognised body such as South Australia's Supreme Court and Environment Resources and Development Court.

Further [information about the NNTR](#) is available.

Tribunal file no.	
Federal Court file no.	
Short name	
Case name	
State or Territory	ALL 
Registered Native Title Body Corporate*	
Representative A/TSI body area	
Local government area	Mosman Municipal Council
Determination type	ALL 
Legal process	ALL 
Determination outcome	ALL 
Determination date between	 and 
Sort by	Determination date 

[Search >](#)

*Please note: current contact details for the Registered Native Title Body Corporate are available from the Office of the Registrar of Indigenous Corporations www.oric.gov.au

No results for current search criteria

Search Register of Native Title Claims

The Register of Native Title Claims (RNTC) contains information about all claimant applications that have been registered. The Registrar is responsible for maintaining the RNTC.

Further [information about the RNTC](#) is available.

Tribunal file no.	
Federal Court file no.	
Application name	
State or Territory	ALL 
Representative A/TSI body area	
Local government area	Mosman Municipal Council
Date filed between	 and 
Sort by	Date filed 

[Search >](#)

No results for current search criteria

Request for Search of Tribunal Registers

Search for overlapping interests i.e.: Is there a native title claim, determination or land use agreement over this land?

Please note: the NNTT cannot search over freehold land.

For further information on freehold land: [Click Here](#) (NNTT website)

1. Your details

NAME:	Meggan Walker
POSITION:	Consultant
COMPANY/ORGANISATION:	Urbis
POSTAL ADDRESS:	Level 8, 123 Pitt Street, Sydney, NSW, 2000
TELEPHONE:	02 8233 7626
EMAIL:	Mwalker@urbis.com.au
YOUR REFERENCE:	P0031212
DATE OF REQUEST:	3/02/2021

2. Reason for your request

Are you a party to a native title proceeding?

☐ Yes ☒ No

Please provide Federal Court/Tribunal file number/or application name:

OR

Do you need to identify existing- native title interests to comply with the *Native Title Act 1993* (Cth) or other State/Territory legislation?

☒ Yes ☐ No

Please provide brief details of these obligations here:

Archaeological assessment

3. Identify the area to be searched

If there is insufficient room below, please send more information on a Word or Excel document.

Mining tenure

State/Territory: _____
Tenement ref/s: _____

OR

Crown land / non-freehold tenure

Tenure type:	☒ Lease ☐ Reserve or other Crown land
State/Territory:	New South Wales
Lot and plan details:	Lot 22 DP 843294
Pastoral Lease number or name:	
Other details: (Town/County/Parish/Section/Hundred/Portion):	Mosman/Cumberland/Willoughby

Email completed form to: GeospatialSearch@nntt.gov.au

Meggan Walker

From: Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>
Sent: Thursday, 4 February 2021 4:36 PM
To: Meggan Walker
Cc: Balazs Hansel; Andrew Crisp
Subject: RE: SR21/126 - Native Title Search - Taronga Zoo Reptile and Amphibian Conservation Centre (P0031209) - SR21/126

Follow Up Flag: Follow up
Flag Status: Flagged

UNCLASSIFIED

Native title search – NSW Parcel – Lot 22 on DP843594

Your ref: P0031209 - **Our ref:** SR21/126

Dear Meggan Walker ,

Thank you for your search request received on 03 February 2021 in relation to the above area. Based on the records held by the National Native Title Tribunal as at 04 February 2021 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	Pe
22//DP843294	0.2809	FREEHOLD	No overlap			

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

From: Meggan Walker <mwalker@urbis.com.au>

Sent: Wednesday, 3 February 2021 7:13 AM

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

Cc: Balazs Hansel <bhansel@urbis.com.au>; Andrew Crisp <acrisp@urbis.com.au>

Subject: SR21/126 - Native Title Search - Taronga Zoo Reptile and Amphibian Conservation Centre (P0031209)

Caution: This is an external email. DO NOT click links or open attachments unless you recognise the sender and know the content is safe.

Hello all,

Please see attached search request form for a search of the Native Title Tribunal registers for Taronga Zoo, Lot 22 DP 843294.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

T +61 2 8233 9900

E mwalker@urbis.com.au

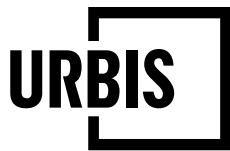


ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA

Urbis recognises the traditional owners of the land on which we work.
Learn more about our [**Reconciliation Action Plan**](#).

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STAGE 1.2 – ASCERTAINING LIST OF POTENTIAL RAPS



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

9 February 2021

To whom it may concern,

TARONGA ZOO – WILDLIFE HOSPITAL SSDA - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1

Urbis has been commissioned by the Taronga Conservation Society Australia (the Proponent) to conduct an Aboriginal Cultural Heritage Assessment (ACHA) for the development of a Wildlife Hospital within the grounds of Taronga Zoo, Lot 22 DP843294, Mosman, New South Wales.

This project is to be submitted to the Department of Planning, Industry and Environment as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

The ACHA is to be carried out in accordance with relevant guidelines under *the National Parks and Wildlife Act 1974* (NPW Act), including *the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The assessment would detail the nature, location and spatial extent of any potential Aboriginal cultural heritage resources within the subject area, investigate if the proposed development would harm those resources and provide recommendations for management options.

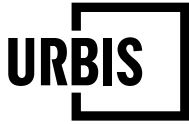
Paul De Alwis
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia

[REDACTED]
[REDACTED]
[REDACTED]

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society [REDACTED]

[REDACTED]

In accordance with the *Aboriginal cultural heritage consultation requirements for proponents (DEECW 2010)* (the Consultation Requirements) and Clause 80C of the NSW National Parks and Wildlife Regulation 2009, the Proponent will conduct an Aboriginal community consultation process with



registered Aboriginal people to assist with the preparation of the ACHA to identify any Aboriginal cultural heritage values or archaeological materials and mitigate risk of harm.

In accordance with Section 4.1.2 of the Consultation Requirements, Urbis proposes to compile a list of Aboriginal people and organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

Should you be aware of any Aboriginal persons and/or organisations that may hold an interest in the project, please provide their details at your earliest convenience and preferably by **16th February 2021** in writing to:

Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
Level 8, 123 Pitt Street, Sydney, 2000

he proponent will write to each Aboriginal person or group whose details are provided to notify them of the proposed project and invite them to register an interest in the community consultation process.

Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Local Aboriginal Land Council and Department of Premier and Cabinet Aboriginal Branch unless the person or group specifies that they do not want their details released.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker", with a stylized flourish at the end.

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au

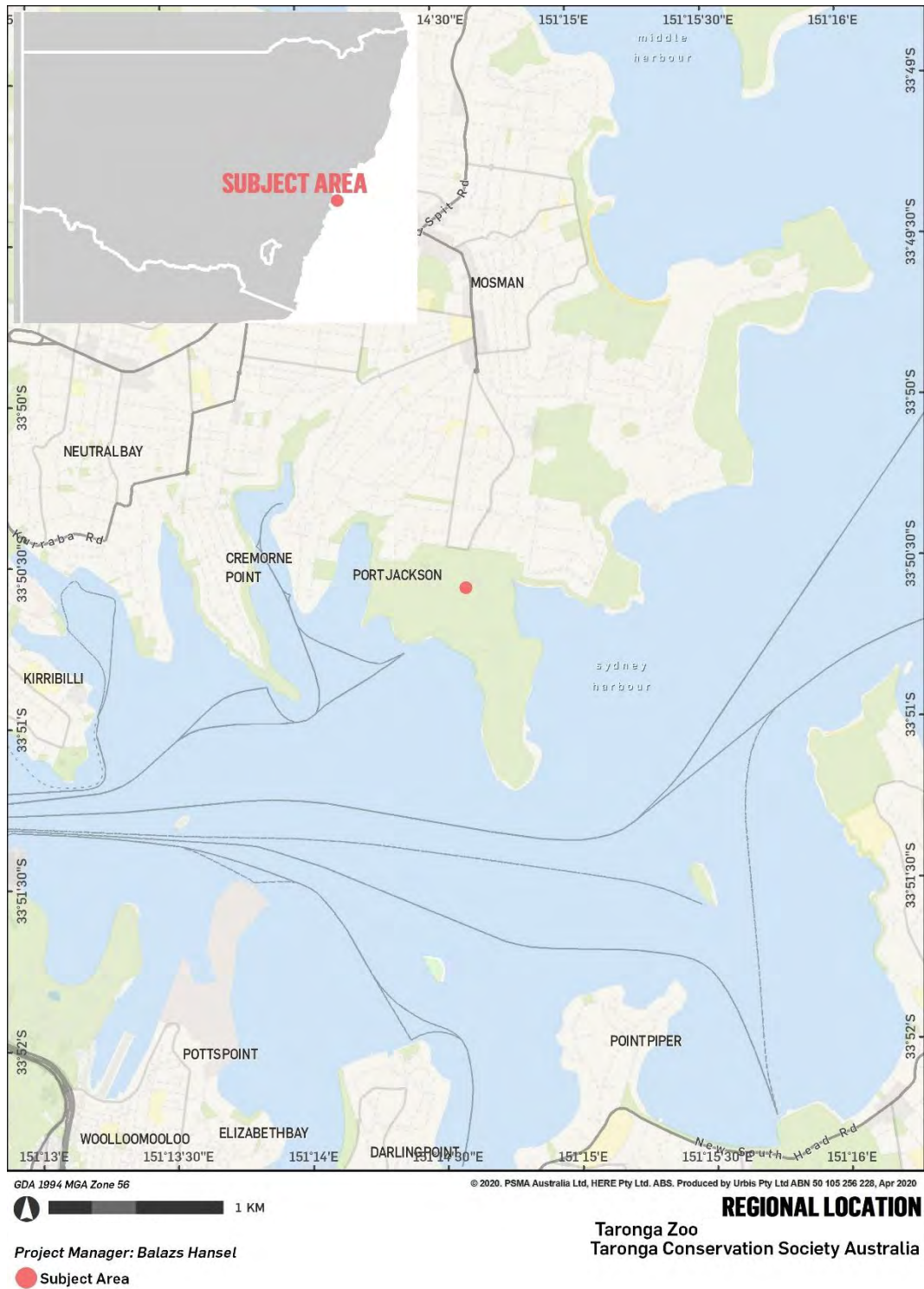


Figure 1 – Regional Location of the Subject Area

Meggan Walker

From: Meggan Walker
Sent: Tuesday, 9 February 2021 1:25 PM
To: Balazs Hansel
Cc: Andrew Crisp; Alexandra Ribeny
Subject: Stage 1.2 Agency Letter - Taronga Zoo Wildlife Hospital (Our Ref P0031212)
Attachments: P0031212_TarongaZoo_Stage1.2AgencyLetter_FNL.pdf

Tracking:	Recipient	Delivery
	Balazs Hansel	Delivered: 9/02/2021 1:26 PM
	Andrew Crisp	Delivered: 9/02/2021 1:26 PM
	Alexandra Ribeny	Delivered: 9/02/2021 1:26 PM
	Local Land Services Greater Sydney (gs.service@lls.nsw.gov.au)	
	metrolalc@metrolalc.org.au	
	information@ntscorp.com.au	
	OEHD Heritage Mailbox	
	Office of the Registrar Aboriginal Land Rights Act 1983 NSW (adminofficer@oralra.nsw.gov.au)	
	council@mosman.nsw.gov.au	

Dear all,

Please see the attached Stage 1.2 Agency Letter for our project at Taronga Zoo, 2A Bradleys Head Road, Mosman for the development of a Wildlife Hospital.

Please let us know if you have any questions, and provide any responses as soon as possible and preferably before 16th February 2021.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

**SHAPING
CITIES AND
COMMUNITIES**



ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA

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10 February 2021

By email: mwalker@urbis.com.au

Meggan Walker
Urbis Pty Ltd
Level 8, 123 Pitt Street
SYDNEY NSW 2000

Dear Meggan,

Request - Search for Registered Aboriginal Owners

We refer to your email dated 09 February 2021 seeking the identification of Aboriginal organisations and people who may have an interest in the proposed Wildlife Hospital within the grounds of Taronga Zoo, Mosman NSW.

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 Metropolitan Local Aboriginal Land Council on (02) 8394 9666 or via email nmoran@metrolalc.org.au as they may wish to participate.

Yours sincerely

A handwritten signature in blue ink, appearing to read "Rachel Rewiri".

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

Meggan Walker
Urbis
Level 8, 123 Pitt Sydney
SYDNEY NSW 2000
mwalker@urbis.com.au

RE: Request for information on Aboriginal stakeholders for an Aboriginal cultural heritage assessment of the proposed “Taronga Zoo – Wildlife Hospital, Mosman, NSW”

Dear Meggan,

Thank you for your letter of 9 February 2021 about Aboriginal cultural heritage consultation for a “Taronga Zoo – Wildlife Hospital, Mosman, NSW”, Mosman, NSW, within the Mosman local government area. I appreciate the opportunity to provide input.

Please find enclosed a list of known Aboriginal parties for the Mosman 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

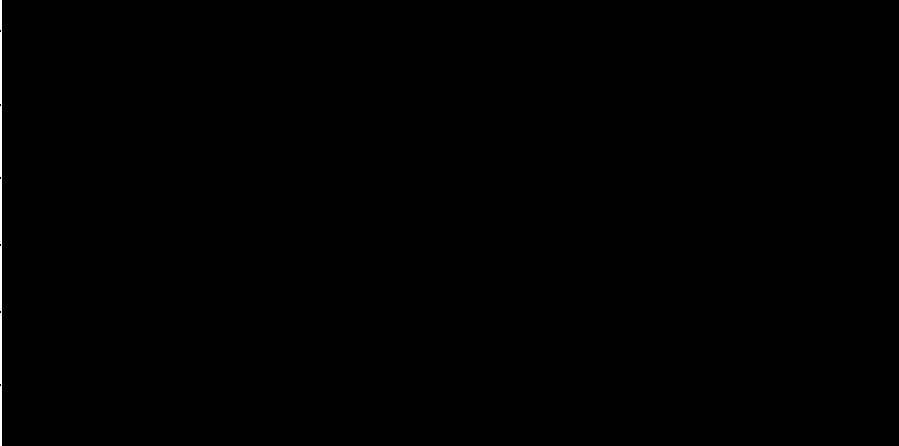


Paul Houston
Aboriginal Heritage Planning Officer
Aboriginal Cultural Heritage Regulation - Northern
Heritage NSW
Department of Premier and Cabinet
18 February 2021

ATTACHMENT A

Table 1: List of Aboriginal stakeholder groups within the Mosman LGA. - that may have an interest in the project; provided as per the “OEH Aboriginal cultural heritage requirement for proponents 2010”.

Mosman Local Government Area

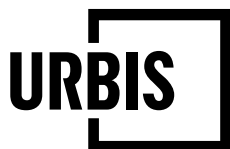
Organisation/ Individual	Contact Name			Additional information
Metropolitan Local Aboriginal Land Council	Nathan Moran			
Darug Aboriginal Cultural Heritage Assessments	Gordon Morton			
Darug Land Observations	Jamie Workman and Anna Workman			
A1 Indigenous Services	Carolyn Hickey			

Eric Keidge	Eric Keidge		
Kamilaroi Yankuntjatjara Working Group	Phil Khan		
Tocomwall	Scott Franks		
Amanda Hickey Cultural Services	Amanda Hickey		
Gunyuu	Kylie Ann Bell		
Walbunja	Hika Te Kowhai		
Badu	Karia Lea Bond		
Goobah Developments	Basil Smith		
Wullung	Lee-Roy James Boota		
Yerramurra	Robert Parson		
Nundagurri	Newton Carriage		
Murrumbul	Mark Henry		
Jerringong	Joanne Anne Stewart		
Pemulwuy CHTS	Pemulwuy Johnson		
Bilinga	Simalene Carriage		
Munyunga	Kaya Dawn Bell		
Wingikara	Hayley Bell		
Minnamunnung	Aaron Broad		
Walgalu	Ronald Stewart		
Thauaira	Shane Carriage		
Dharug	Andrew Bond		
Gulaga	Wendy Smith		
Biamanga	Seli Storer		

Callendulla	Corey Smith
Murramarang	Roxanne Smith
DJMD Consultancy	Darren Duncan
Butucarbin Aboriginal Corporation	Jennifer Beale
Didge Ngunawal Clan	Lillie Carroll Paul Boyd
Ginninderra Aboriginal Corporation	Steven Johnson and Krystle Carroll
Wailwan Aboriginal Group	Philip Boney
Barking Owl Aboriginal Corporation	Mrs Jody Kulakowski (Director)
Thoorga Nura	John Carriage (Chief Executive Officer)
Darug Boorooberongal Elders Aboriginal Corporation	Paul Hand (chairperson)
B.H. Heritage Consultants	Ralph Hampton Nola Hampton
Ngambaa Cultural Connections	Kaarina Slater
Goodradigbee Cultural & Heritage Aboriginal Corporation,	Caine Carroll
Mura Indigenous Corporation,	Phillip Carroll
Aragung Aboriginal Cultural Heritage Site Assessments	Jamie Eastwood
Waawaar Awaa Aboriginal Corporation	Rodney Gunther
Wori Woilywa	Daniel Chalker

--	--	--	--	--

STAGE 1.3 – INVITATION TO POTENTIAL RAPS



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

22 February 2021

To whom it may concern ,

TARONGA ZOO WILDLIFE HOSPITAL - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1 - INVITATION TO REGISTER

Please be advised that your contact details have been provided by The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet in accordance with Section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW, 2010) (hereafter referred as the Consultation Requirements) as a potential Aboriginal stakeholder who may have interest in registering to the abovementioned project.

Urbis has been commissioned by Taronga Conservation Society Australia (the Proponent) to conduct an Aboriginal Cultural Heritage Assessment (ACHA) for Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW (hereafter referred to as 'the subject area') (see attached figure). This is in relation to the establishment of a Wildlife Hospital within the grounds of the zoo.

This project is to be submitted to the Department of Planning, Industry and Environment (DPIE) as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

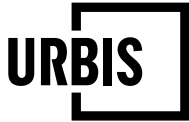
The ACHA is to be carried out in accordance with relevant guidelines under *the National Parks and Wildlife Act 1974* (NPW Act), including *the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The assessment would detail any potential Aboriginal cultural heritage resources within the subject area and provide recommendations regarding management of those resources.

The Proponent can be contacted via:

Paul De Alwis
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

OR

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
mspooner@zoo.nsw.gov.au



In accordance with the Consultation Requirements and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent will conduct a community consultation process with registered Aboriginal people to assist with the preparation of the ACHA.

In accordance with Section 4.1.2 of the Consultation Requirements Urbis proposes to invite Aboriginal people and/or organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

Should you wish to register your interest in this project, please respond in writing by clearly stating your interest and nominating a contact person by **10th March 2021**. Please send responses to the following:

Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8, 123 Pitt Street, Sydney, 2000.

Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Metropolitan Local Aboriginal Land Council and Department of Planning, Industry and Environment, unless the person or group specifies that they do not want their details released.

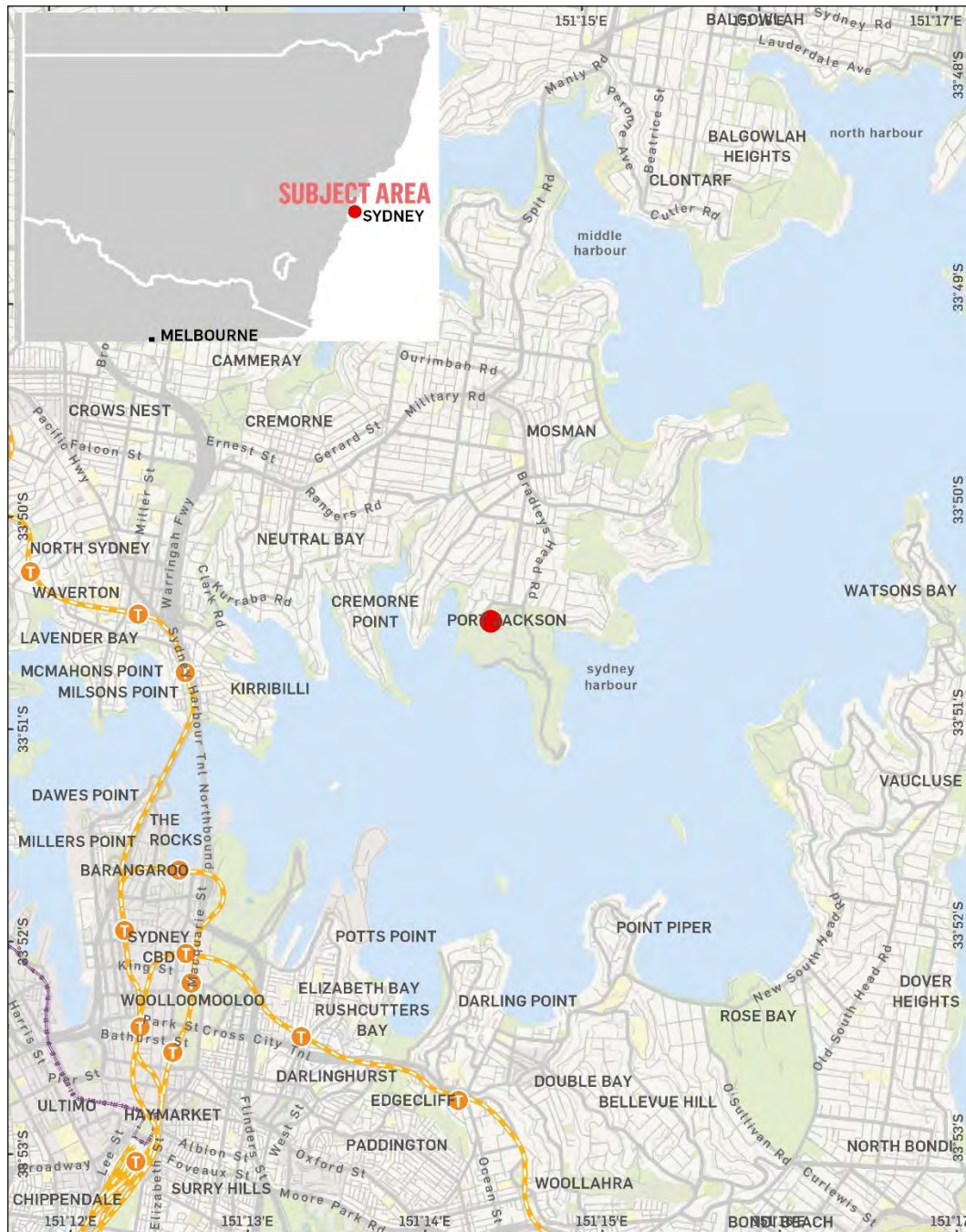
Please be advised that in accordance to Section 3.4 of the Consultation Requirements, inclusion in the consultation process does not automatically result in paid site assessment. The decision on who is engaged for delivering particular services is decided by the proponent and will be based on a range of considerations including skills, relevant experience, and providing necessary certificates of currency.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker", with a stylized flourish at the end.

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



Project No: P0031212
Project Manager: Balazs Hansel

Subject Area

REGIONAL LOCATION
NSW Centre for Conservation and Wildlife Rescue,
Taronga Zoo, Bradley's Head Road, Mosman NSW
Taronga Conservation Society Australia

Figure 1 – Regional Location of the Subject Area

Meggan Walker

From: Meggan Walker
Sent: Monday, 22 February 2021 4:48 PM
To: Balazs Hansel
Cc: Andrew Crisp
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212
Attachments: P0031212_TarongaWildlifeHospital_Stage1.3Invitation_FNL.pdf

Tracking:

Recipient

Delivery

Balazs Hansel

Andrew Crisp

Delivered: 22/02/2021 4:49 PM

nmoran@metrolalc.org.au

daruglandobservations@gmail.com

cazadirect@live.com

philip khan

scott@tocomwall.com.au

amandahickey@live.com.au

Gunyuuchts@gmail.com

Walbunja@gmail.com

baduchts@gmail.com

goobahchts@gmail.com

yerramurra@gmail.com

nundagurri@gmail.com

Murrumbul@gmail.com

jerringong@gmail.com

pemulwuyd@gmail.com

bilingachts@gmail.com

munyungachts@gmail.com

wingicarachts@gmail.com

minnamunning@gmail.com

walgaluchts@gmail.com

thauairachts@gmail.com

dharugchts@gmail.com

gulagachts@gmail.com

biamangachts@gmail.com

cullendullachts@gmail.com

murramarangchts@gmail.com

darrenjohnduncan@gmail.com

butuheritage@gmail.com

didgengunawalclan@yahoo.com.au

ginninderra.corp@gmail.com

waarlan12@outlook.com

barkingowlcorp@gmail.com

thoorganura@gmail.com

boorooberongal@outlook.com

Recipient**Delivery**

ngambaaculturalconnections@hotmail.com
goodradigbee1@outlook.com
mura.indigenous@bigpond.com
james.eastwood@y7mail.com
hamptonralph46@gmail.com
nhampton77@gmail.com
waawaar.awaa@gmail.com
woriwooliywa@gmail.com

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Respects paid to young warrior, taken too soon



WAKA Waka man Dennis Lacey passed away on the Larrakia Homelands in Darwin this month, aged 30.

Friends and family turned to social media to share their thoughts, photos and tributes.

His mother LeeAnne Lacey shared pictures of her son's life and a heartfelt plea.

"To all my sisters, Aunts, Uncles, grandparents and especially mothers who have lost warriors.

"Brothers and sisters who have lost a loved one to Australia, the Parliament and their System we are governed by.

"My Heart, what I've got left goes out to you.

"I'm in deep pain.

"I'm shattered. I will come back fighting.

"My son Dennis Lacey, Wirri Wirri Tjapiltjarri Tjullyarimma Shadow of the Rainbow MorningStar, is a victim of the system, as are all of those who are incarcerated."

His Uncle Klaus Jeffrey also shared his loss.

"Gonna miss you my Neph. Had some good drinks with you and good laughs. Still

can't believe what happened," he said.

Friend Erwin Tjakamarra Seemann said he would miss Dennis terribly.

"I learned painfully about the death of my Bunji Wirri Wirri Tjapiltjarri Tjullyarimma Shadow of the Rainbow MorningStar Dennis Lacey," he said.

"I live in Germany, but I still have an intimate relationship with my large family in Australia and that's why it feels to me that another piece has been torn from my heart. Farewell my beloved Bunji. I will never forget you and I hope that the spirits of our ancestors will receive you with love and take you in. We, your siblings Michael and Warren Tjapiltjarri Tjullyarimma, Kim and Jessica Napiltjarri and I thank you for your stay in this world, which has enriched our lives with your love and care.

"Farewell my Brother."

The family has asked for assistance in organising the funeral. Details can be found on the Facebook page Dennis Lacey Foundation for the Homeless.

"Please join the group and make human rights law in his honour, for all the fallen warriors and his brothers in arms," LeeAnne said.



Dennis Bradley Lacey. June 1, 1990 – February 6, 2021.



Jessica Johnson, Dennis Lacey and their daughter Yavana.



Taronga Zoo Reptile and Amphibian Conservation Centre NSW Aboriginal Cultural Heritage Assessment – Community Consultation Stage 1

The Taronga Conservation Society Australia (the Proponent) are preparing a State Significant Development Application (SSDA) for the proposed development of a Reptile and Amphibian Conservation Centre within the grounds of Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW. Urbis is assisting the Proponent in undertaking an Aboriginal Cultural Heritage Assessment (ACHA) to inform the Environmental Impact Statement for the SSDA.

The proponent can be contacted directly via:

Paul De Alwis Project Manager,
Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

Or

Matthew Spooner Senior
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
mspooner@zoo.nsw.gov.au

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010)* and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent is seeking the registration of Aboriginal persons or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) that may be present in the subject area.

The purpose of community consultation with Aboriginal people is to assist the Proponent in the preparation of the ACHA and the assessment of the cultural heritage significance of the subject area.

Please register your interest in writing to the contact details provided below by 5.00pm 10th March 2021.

Meggan Walker
Urbis Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8,123 Pitt Street, Sydney, 2000.

Please be advised that the Proponent is required to forward the names of Aboriginal persons and groups who register an interest to The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet and the Metropolitan Local Aboriginal Land Council; unless the person or group specifies that they do not want their details released.



Taronga Wildlife Hospital NSW Aboriginal Cultural Heritage Assessment – Community Consultation Stage 1

The Taronga Conservation Society Australia (the Proponent) are preparing a State Significant Development Application (SSDA) for the proposed development of a Wildlife Hospital within the grounds of Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW. Urbis is assisting the Proponent in undertaking an Aboriginal Cultural Heritage Assessment (ACHA) to inform the Environmental Impact Statement for the SSDA.

The proponent can be contacted directly via:

Paul De Alwis Project Manager,
Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

Or

Matthew Spooner Senior
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
mspooner@zoo.nsw.gov.au

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010)* and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent is seeking the registration of Aboriginal persons or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) that may be present in the subject area.

The purpose of community consultation with Aboriginal people is to assist the Proponent in the preparation of the ACHA and the assessment of the cultural heritage significance of the subject area.

Please register your interest in writing to the contact details provided below by 5.00pm 10th March 2021.

Meggan Walker
Urbis Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8,123 Pitt Street, Sydney, 2000.

Please be advised that the Proponent is required to forward the names of Aboriginal persons and groups who register an interest to The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet and the Metropolitan Local Aboriginal Land Council; unless the person or group specifies that they do not want their details released.

Meggan Walker

From: Carolyn .H <cazadirect@live.com>
Sent: Monday, 22 February 2021 11:13 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212
Attachments: A1.WC2022.pdf; A1.PL2022.pdf

Follow Up Flag: Follow up
Flag Status: Flagged



INDIGENOUS SERVICES PTY LTD

Contact: Carolyn Hickey
M: 0411650057

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.

I've had many years' experience in helping preserve Aboriginal cultural heritage on projects, I hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and values that exist in the project area.

I have attached A1 Indigenous Services Insurances.

Please feel free to contact me on details supplied
Kind Regards,
Carolyn Hicke

From: Meggan Walker <mwalker@urbis.com.au>
Sent: Monday, 22 February 2021 4:48 PM
To: Balazs Hansel <bhansel@urbis.com.au>
Cc: Andrew Crisp <acrisp@urbis.com.au>
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Enquiries: 13 10 10
Claims: 13 14 46 (24/7 for new claims)
gio.com.au

A1 Indigenous Services Pty Ltd
73 Russell Street
Emu Plains NSW 2750



Mobile Business Protect

Policy number

GPM004141405

Certificate of Currency

Insured details

Insured: A1 Indigenous Services Pty Ltd
ABN 31 639 868 876

Period of insurance: 10 March 2021 to 4:00pm 10 March 2022

Business description: Surveying And Mapping Services

Your Cover

Public and products liability

Limit of liability

Public liability	\$10,000,000
Products liability	\$10,000,000
Property in Your Custody or Control sum insured	\$250,000

Professional indemnity

Not Taken

Portable and valuable items

Not Taken

Tax probe

Not Taken



Enquiries: 13 10 10
Claims: 13 14 46 (24/7 for new claims)
gio.com.au

Commercial motor

Not Taken

Carolyn Hickey
A1 INDIGENOUS SERVICES PTY LTD
73 Russell St
EMU PLAINS NSW 2750

issue date

15/02/2021

print date

15/02/2021

Dear Carolyn

statement of coverage

The following policy of insurance covers the full amount of the employer's liability under the *Workers Compensation Act 1987*(NSW).

valid until

31/03/2022

policy number

201098301

legal name

A1 INDIGENOUS SERVICES PTY LTD

trading name

abn

31 639 868 876

acn

639 868 876

industry classification number (WIC)

782920 Technical Services nec

number of workers*

10

wages/units⁺

\$20,000.00

* Number of workers includes contractors/deemed workers

+ Total wages/units estimated for the current period

important information

Principals relying on this certificate should ensure it is accompanied by a statement under section 175B of the *Workers Compensation Act 1987 (NSW)*. Principals should also check and satisfy themselves that the information is correct and ensure that the proper workers compensation insurance is in place, ie. compare the number of employees on site to the average number of employees estimated; ensure that the wages are reasonable to cover the labour component of the work being performed; and confirm that the description of the industry/industries noted is appropriate. A principal contractor may become liable for any outstanding premium of the sub-contractor if the principal has failed to obtain a statement or has accepted a statement where there was reason to believe it was false.

Yours faithfully,



Jason McLaughlin
General Manager, Workers Compensation – Underwriting
icare workers insurance

Meggan Walker

From: Butucarbin Heritage <butuheritage@gmail.com>
Sent: Thursday, 11 March 2021 2:21 AM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,
On behalf of Butucarbin, I would like to register for the project in relation to Taronga Zoo.

Kind regards,

On Mon, Feb 22, 2021 at 4:48 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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--

Lowanna Gibson
Project Manager for Butucarbin Cultural Heritage Assessments
B.A Archaeology/Anthropology USYD
Juris Doctor Candidate UTS

Meggan Walker

From: lilly carroll <didgengunawalclan@yahoo.com.au>
Sent: Monday, 22 February 2021 4:50 PM
To: Meggan Walker; Balazs Hansel
Cc: Andrew Crisp
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan

DNC would like to register an interest into Taronga zoo project

Kind regards
Paul Boyd & Lilly Carroll
Directors DNC
0426823944

[Sent from Yahoo Mail for iPhone](#)

On Monday, February 22, 2021, 4:48 pm, Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au



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SYDNEY, NSW 2000, AUSTRALIA

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Meggan Walker

From: lilly carroll <didgengunawalclan@yahoo.com.au>
Sent: Monday, 22 February 2021 4:51 PM
To: Meggan Walker; Balazs Hansel
Cc: Andrew Crisp
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Contact person is either Joelene Smith or Paul Boyd Cheers

[Sent from Yahoo Mail for iPhone](#)

On Monday, February 22, 2021, 4:49 pm, lilly carroll <didgengunawalclan@yahoo.com.au> wrote:

Hi Meggan

DNC would like to register an interest into Taronga zoo project

Kind regards
Paul Boyd & Lilly Carroll
Directors DNC
0426823944

[Sent from Yahoo Mail for iPhone](#)

On Monday, February 22, 2021, 4:48 pm, Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Meggan Walker

From: Ginninderra Aboriginal Corporation <ginninderra.corp@gmail.com>
Sent: Tuesday, 23 February 2021 11:02 AM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

Thank you for your email.

Please register Ginninderra Aboriginal Corporation for the above mentioned project.

All of our site officers have their white cards/insurances, and have extensive experience in surveys, excavations, sieving and recording of archaeological information.

We prefer to be contacted by email on [REDACTED] postal address for Ginninderra AC is [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Please let me know if there is anything else you require.

Krystle :)

Kind regards,

*Krystle Carroll-Elliott
Ginninderra Aboriginal Corporation*
[REDACTED]
[REDACTED]

 [REDACTED] Country throughout Australia and recognise their connection to land, water, and community.
We pay our respects to them, their cultures, and to Elders past and present.

On 22 Feb 2021, at 4:48 pm, Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER

CONSULTANT

<image001.gif>

D +61 2 8233 7626

T +61 2 8233 9900

E mwalker@urbis.com.au

<image002.png>

<image004.png><image006.png><image008.png><image010.png>

ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA

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<P0031212_TarongaWildlifeHospital_Stage1.3Invitation_FNL.pdf>

Meggan Walker

From: Goobah <goobahchts@gmail.com>
Sent: Friday, 5 March 2021 12:08 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Please accept my expression of interest with Aboriginal Cultural Heritage Assessment (ACHA) for Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW and wish to be kept in the loop of any further developments.

On Mon, Feb 22, 2021 at 4:48 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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CITIES AND
COMMUNITIES**



Meggan Walker

From: Gulaga <gulagachts@gmail.com>
Sent: Thursday, 4 March 2021 8:16 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Reptile and Amphibian Conservation Centre ACHA - Our Ref P0031209

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

My apologies, can you please register Gulaga for both the RACC and the Wildlife Hospital.

Kind Regards
Wendy Smith
Cultural Heritage Officer



[REDACTED] privileged information. Privilege is not waived if it has been sent to you in error, or if you are not the intended recipient. Please immediately notify me and delete the email if you have received this in error.

On Thu, Mar 4, 2021 at 4:04 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Hi Wendy,

We just wanted to confirm – are you registering for both the RACC and Wildlife Hospital projects, or just the RACC project?

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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From: Gulaga <gulagachts@gmail.com>
Sent: Monday, 22 February 2021 5:55 PM
To: Meggan Walker <mwalker@urbis.com.au>
Subject: Re: Invitation to register - Taronga Zoo Reptile and Amphibian Conservation Centre ACHA - Our Ref P0031209

Hi Meggan,

Can you please register Gulaga for this project.

Kind Regards

Wendy Smith

Cultural Heritage Officer

Gulaga

0401 808 988

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On Mon, Feb 22, 2021 at 4:48 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a Reptile and Amphibian Conservation Centre (RACC) at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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--

Regards

**Basil Smith
Chairperson/CEO
GOOBAH**

Contact Details:

Address:

[REDACTED]

[REDACTED]

ABN: 67 517 874 760



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Meggan Walker

From: philip khan <philipkhan.acn@live.com.au>
Sent: Tuesday, 23 February 2021 11:53 AM
To: Meggan Walker
Subject: RE: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212
Attachments: Public Liability Kamilaroi 2021 to 2022.pdf; ICARE workers comp. insurance Kamilaroi Yankuntjatjara Working Group 2021.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

Thank you for informing us that **Urbis** will be involved in an Aboriginal Cultural Heritage Assessment at **Taronga Zoo Wildlife Hospital** &, 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 Kamilaroi 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 Kamilaroi Yankuntjatjara Working group's Public Liability Insurance & Workers Compensation certificate.

Our Rates - \$100 per hour, \$400 half day & \$800 full day (Exc. GST)

Our RAPS have up to 15yrs Cultural Heritage experience in – field work which involves manual excavation (digging), sieving, identifying artefacts, setting up transits, setting up equipment, packing equipment, site surveys & attending meetings.

Should you wish me to provide further information, please do not hesitate to contact me on 0434545982 or Stefeanie on 0451068480.

Kind Regards
Phil Khan



Sent from [Mail](#) for Windows 10

From: [Meggan Walker](#)

Sent: Monday, 22 February 2021 4:48 PM

To: [Balazs Hansel](#)

Cc: [Andrew Crisp](#)

Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER

CONSULTANT

D +61 2 8233 7626

T +61 2 8233 9900

E mwalker@urbis.com.au

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Stefanie Naikar
KAMILAROI- YANKUNTJATJARA
WORKING GROUP PTY LTD
78 Forbes St
EMU PLAINS NSW 2750

issue date

21/12/2020

print date

21/12/2020

Dear Stefanie

statement of coverage

The following policy of insurance covers the full amount of the employer's liability under the *Workers Compensation Act 1987*(NSW).

valid until

31/12/2021

policy number

198586001

legal name

KAMILAROI- YANKUNTJATJARA WORKING GROUP PTY LTD

trading name

abn

26 637 314 384

acn

637 314 384

industry classification number (WIC)

782920 Technical Services nec

number of workers*

5

wages/units⁺

\$90,000.00

* Number of workers includes contractors/deemed workers

+ Total wages/units estimated for the current period

important information

Principals relying on this certificate should ensure it is accompanied by a statement under section 175B of the *Workers Compensation Act 1987 (NSW)*. Principals should also check and satisfy themselves that the information is correct and ensure that the proper workers compensation insurance is in place, ie. compare the number of employees on site to the average number of employees estimated; ensure that the wages are reasonable to cover the labour component of the work being performed; and confirm that the description of the industry/industries noted is appropriate. A principal contractor may become liable for any outstanding premium of the sub-contractor if the principal has failed to obtain a statement or has accepted a statement where there was reason to believe it was false.

Yours faithfully,



Jason McLaughlin
General Manager, Workers Compensation – Underwriting
icare workers insurance

Certificate of Currency

Public Liability

This Certificate:

- is issued as a matter of information only and confers no rights upon the holder;
- does not amend, extend or alter the coverage afforded by the policy listed;
- is only a summary of the cover provided. For full particulars, reference must be made to the current policy wording;
- is current only at the date of issue.

Name of Insured	KAMILAROI- YANKUNTJATJARA WORKING GROUP PTY LTD (ABN: 26637314384)	
Policy Number	BIZ046707BUS	
Policy Period	4.00pm Local Standard Time on 15 January 2021 to 4.00pm Local Standard Time on 15 January 2022	
Interest Insured	Business Insurance	
Situation	78 Forbes Street, EMU PLAINS, NSW, 2750	
Sum Insured	Public & Products Liability:	\$20,000,000
Interested Party	None Noted	
Underwriter	The Hollard Insurance Company Pty Ltd ABN 78 090 584 473 AFSL 241436	
Signature		
Name of Signatory	Michael Gottlieb (BizCover)	
Capacity/Title	Director	
Date	06 Jan 2021	

Please note

This Certificate is issued subject to the policy's terms and conditions and by reference to the insured's declaration. The information set out in this Certificate is accurate as at the date of signature and there is no obligation imposed on the signatory to advise of any alterations.

Meggan Walker

From: Darleen Johnson <murrabidgeemullangari@yahoo.com.au>
Sent: Wednesday, 24 February 2021 2:34 PM
To: Meggan Walker
Subject: registration= Taronga Zoo reptile and amphibian conservation centre and Taronga Wildlife Hospital NSW

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Meggan,
Can you please register our corporation for the above projects, we have the cultural knowledge of identifying aboriginal objects and or places in the project area.
Kind regards
Ryan Johnson
0475565517

Meggan Walker

From: Kaarina Slater <Ngambaaculturalconnections@hotmail.com>
Sent: Friday, 26 February 2021 11:04 AM
To: Meggan Walker; Balazs Hansel
Cc: Andrew Crisp
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Ngambaa Cultural Connection would like to register an interest for the above project.

Experienced indigenous site officer & current insurances.

Cheers

Kaarina Slater
Manager
0422 729 117

Get [Outlook for iOS](#)

From: Meggan Walker <mwalker@urbis.com.au>
Sent: Monday, February 22, 2021 4:48:13 PM
To: Balazs Hansel <bhansel@urbis.com.au>
Cc: Andrew Crisp <acrisp@urbis.com.au>
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Meggan Walker

From: Phillip Boney <Waarlan12@outlook.com>
Sent: Tuesday, 23 February 2021 9:03 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

Phil here. I would like to register for this project. Thank you.

Regards, Phil Boney
Wailwan Aboriginal Group

From: Meggan Walker <mwalker@urbis.com.au>
Sent: Sunday, 21 February 2021 9:48 PM
To: Balazs Hansel <bhansel@urbis.com.au>
Cc: Andrew Crisp <acrisp@urbis.com.au>
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW.

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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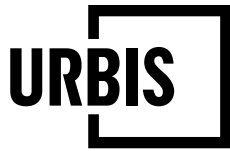


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STAGE 1.6 – FORWARDING RAP LIST



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

24 May 2021

Department of Premier and Cabinet
Heritage NSW
Aboriginal Branch
heritagemailbox@environment.nsw.gov.au

To whom it may concern,

**ABORIGINAL CULTURAL HERITAGE ASSESSMENT –TARONGA ZOO
WILDLIFE HOSPITAL – STAGE 1.6: LIST OF REGISTERED ABORIGINAL
PAFRTIES AND NOTIFICATION LETTER**

In accordance with Section 4.1.6 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010) please find below the compiled list of Registered Aboriginal Parties (RAPs) and notification letter under Section 4.1.3 for the abovementioned project.

Table 1 – List of Registered Aboriginal Parties

Name	Contact	Updated
Metropolitan Local Aboriginal Land Council (MLALC)	Selina Timothy	N
A1 Indigenous Services (A1)	Carolyn Hickey	N
Kamilaroi Yankuntjatjara Working Group	Phil Khan	N
Didge Ngunawal Clan	Lillie Carroll and Paul Boyd	N
Ginninderra Aboriginal Corporation (GAC)	Steven Johnson and Krystle Carroll	N
Wailwan Aboriginal Group (WAG)	Philip Boney	N
Ngambaa Cultural Connections (NCC)	Kaarina Slater	N
Dennis Foley	Dennis Foley	Y – would like to be included in consultation
Butucarbin Aboriginal Coproration (BAC)	Jennifer Beale	N
MurraBidgeeMullangari	Ryan johnson	N
Gulaga	Wendy Smith	N
Goobah	Basil Smith	N

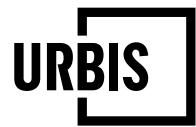
Please note Dennis Foley has indicated he would like to be included on the Mosman Local Government Area Potential Stakeholders list as supplied to proponents by the Department.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

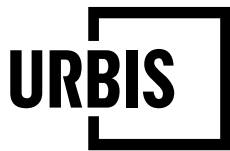


Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



APPENDIX A

NOTIFICATION LETTER



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

22 February 2021

To whom it may concern ,

TARONGA ZOO WILDLIFE HOSPITAL - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1 - INVITATION TO REGISTER

Please be advised that your contact details have been provided by The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet in accordance with Section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW, 2010) (hereafter referred as the Consultation Requirements) as a potential Aboriginal stakeholder who may have interest in registering to the abovementioned project.

Urbis has been commissioned by Taronga Conservation Society Australia (the Proponent) to conduct an Aboriginal Cultural Heritage Assessment (ACHA) for Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW (hereafter referred to as 'the subject area') (see attached figure). This is in relation to the establishment of a Wildlife Hospital within the grounds of the zoo.

This project is to be submitted to the Department of Planning, Industry and Environment (DPIE) as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

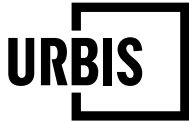
The ACHA is to be carried out in accordance with relevant guidelines under *the National Parks and Wildlife Act 1974* (NPW Act), including *the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The assessment would detail any potential Aboriginal cultural heritage resources within the subject area and provide recommendations regarding management of those resources.

The Proponent can be contacted via:

Paul De Alwis
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

OR

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
mspooner@zoo.nsw.gov.au



In accordance with the Consultation Requirements and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent will conduct a community consultation process with registered Aboriginal people to assist with the preparation of the ACHA.

In accordance with Section 4.1.2 of the Consultation Requirements Urbis proposes to invite Aboriginal people and/or organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

Should you wish to register your interest in this project, please respond in writing by clearly stating your interest and nominating a contact person by **10th March 2021**. Please send responses to the following:

Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8, 123 Pitt Street, Sydney, 2000.

Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Metropolitan Local Aboriginal Land Council and Department of Planning, Industry and Environment, unless the person or group specifies that they do not want their details released.

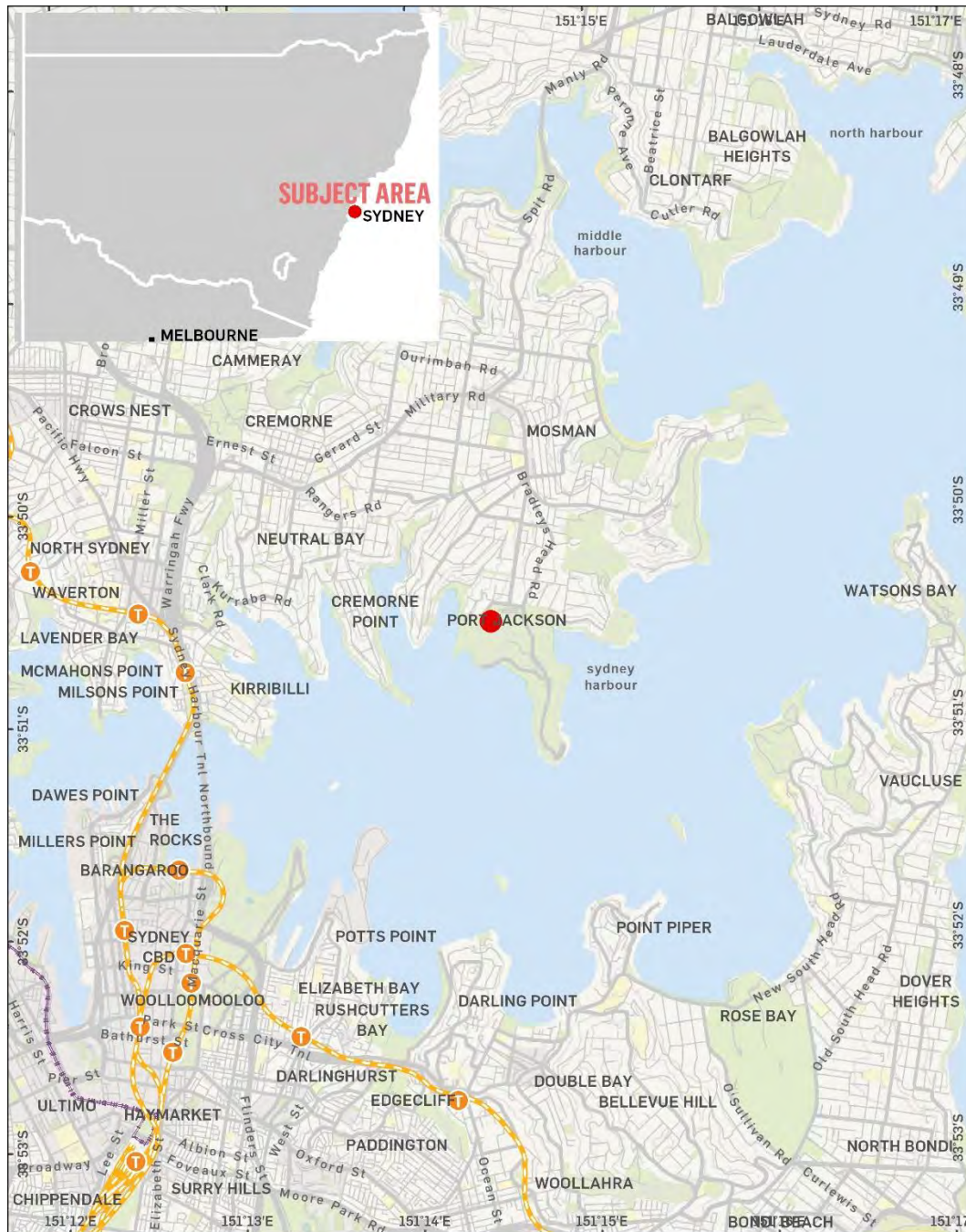
Please be advised that in accordance to Section 3.4 of the Consultation Requirements, inclusion in the consultation process does not automatically result in paid site assessment. The decision on who is engaged for delivering particular services is decided by the proponent and will be based on a range of considerations including skills, relevant experience, and providing necessary certificates of currency.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker", with a stylized flourish at the end.

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



GDA 1994 MGA Zone 56

1 KM

Project No: P0031212

Project Manager: Balazs Hansel

Subject Area

© 2021. PSMA Australia Ltd, HERE Pty Ltd, ABS. Produced by Urbis Pty Ltd ABN 50 105 256 228, Feb 2021

REGIONAL LOCATION

NSW Centre for Conservation and Wildlife Rescue,
Taronga Zoo, Bradley's Head Road, Mosman NSW
Taronga Conservation Society Australia

Figure 1 – Regional Location of the Subject Area

Meggan Walker

From: Meggan Walker
Sent: Monday, 24 May 2021 2:39 PM
To: OEH HD Heritage Mailbox
Cc: Balazs Hansel; Alexandra Ribeny
Subject: ACHA Stage 1.6 - List of RAPs- Taronga Wildlife Hospital and Reptile and Amphibian Conservation Centre
Attachments: 01_DPC_Stage1.6_TarongaWildlifeHospital.pdf; DPC_Stage1.6_TarongaRACC.pdf

Hello all,

Please find attached the Stage 1.6 notice for the Taronga Zoo Wildlife Hospital and Reptile and Amphibian Conservation Centre ACHAs currently in preparation by Urbis. Please let us know if you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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Meggan Walker

From: Meggan Walker
Sent: Monday, 24 May 2021 2:39 PM
To: 'ceo@metrolalc.org.au'; Office Admin MLALC
Cc: Balazs Hansel; Alexandra Ribeny
Subject: ACHA Stage 1.6 - List of RAPs- Taronga Wildlife Hospital and Reptile and Amphibian Conservation Centre
Attachments: LALC_Stage1.6_TarongaWildlifeHospital.pdf; LALC_Stage1.6_TarongaRACC.pdf

Hello all,

Please find attached the Stage 1.6 notice for the Taronga Zoo Wildlife Hospital and Reptile and Amphibian Conservation Centre ACHAs currently in preparation by Urbis. Please let us know if you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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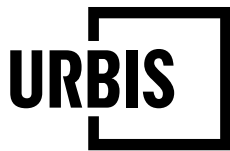


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SYDNEY, NSW 2000, AUSTRALIA

T +61 2 8233 9900

Urbis recognises the traditional owners of the land on which we work.
Learn more about our [Reconciliation Action Plan](#).

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**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

24 May 2021

Nathan Moran
CEO
Metropolitan Local Aboriginal Land Council
Via Email:
ceo@metrolalc.org.au

To whom it may concern,

ABORIGINAL CULTURAL HERITAGE ASSESSMENT –TARONGA ZOO WILDLIFE HOSPITAL – STAGE 1.6: LIST OF REGISTERED ABORIGINAL PARTIES AND NOTIFICATION LETTER

In accordance with Section 4.1.6 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010) please find below the compiled list of Registered Aboriginal Parties (RAPs) and notification letter under Section 4.1.3 for the abovementioned project.

Table 1 – List of Registered Aboriginal Parties

Name	Contact
Metropolitan Local Aboriginal Land Council (MLALC)	Selina Timothy
A1 Indigenous Services (A1)	Carolyn Hickey
Kamilaroi Yankuntjatjara Working Group	Phil Khan
Didge Ngunawal Clan	Lillie Carroll and Paul Boyd
Ginninderra Aboriginal Corporation (GAC)	Steven Johnson and Krystle Carroll
Wailwan Aboriginal Group (WAG)	Philip Boney
Ngambaa Cultural Connections (NCC)	Kaarina Slater
Butucarbin Aboriginal Coproration (BAC)	Jennifer Beale
MurraBidgeeMullangari	Ryan johnson
Gulaga	Wendy Smith
Goobah	Basil Smith

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

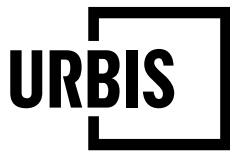


Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



APPENDIX A

NOTIFICATION LETTER



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

22 February 2021

To whom it may concern ,

TARONGA ZOO WILDLIFE HOSPITAL - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1 - INVITATION TO REGISTER

Please be advised that your contact details have been provided by The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet in accordance with Section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW, 2010) (hereafter referred as the Consultation Requirements) as a potential Aboriginal stakeholder who may have interest in registering to the abovementioned project.

Urbis has been commissioned by Taronga Conservation Society Australia (the Proponent) to conduct an Aboriginal Cultural Heritage Assessment (ACHA) for Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW (hereafter referred to as 'the subject area') (see attached figure). This is in relation to the establishment of a Wildlife Hospital within the grounds of the zoo.

This project is to be submitted to the Department of Planning, Industry and Environment (DPIE) as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

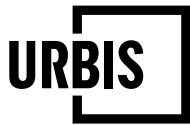
The ACHA is to be carried out in accordance with relevant guidelines under *the National Parks and Wildlife Act 1974* (NPW Act), including *the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The assessment would detail any potential Aboriginal cultural heritage resources within the subject area and provide recommendations regarding management of those resources.

The Proponent can be contacted via:

Paul De Alwis
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

OR

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
mspooner@zoo.nsw.gov.au



In accordance with the Consultation Requirements and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent will conduct a community consultation process with registered Aboriginal people to assist with the preparation of the ACHA.

In accordance with Section 4.1.2 of the Consultation Requirements Urbis proposes to invite Aboriginal people and/or organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

Should you wish to register your interest in this project, please respond in writing by clearly stating your interest and nominating a contact person by **10th March 2021**. Please send responses to the following:

Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8, 123 Pitt Street, Sydney, 2000.

Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Metropolitan Local Aboriginal Land Council and Department of Planning, Industry and Environment, unless the person or group specifies that they do not want their details released.

Please be advised that in accordance to Section 3.4 of the Consultation Requirements, inclusion in the consultation process does not automatically result in paid site assessment. The decision on who is engaged for delivering particular services is decided by the proponent and will be based on a range of considerations including skills, relevant experience, and providing necessary certificates of currency.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker", with a stylized flourish at the end.

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au

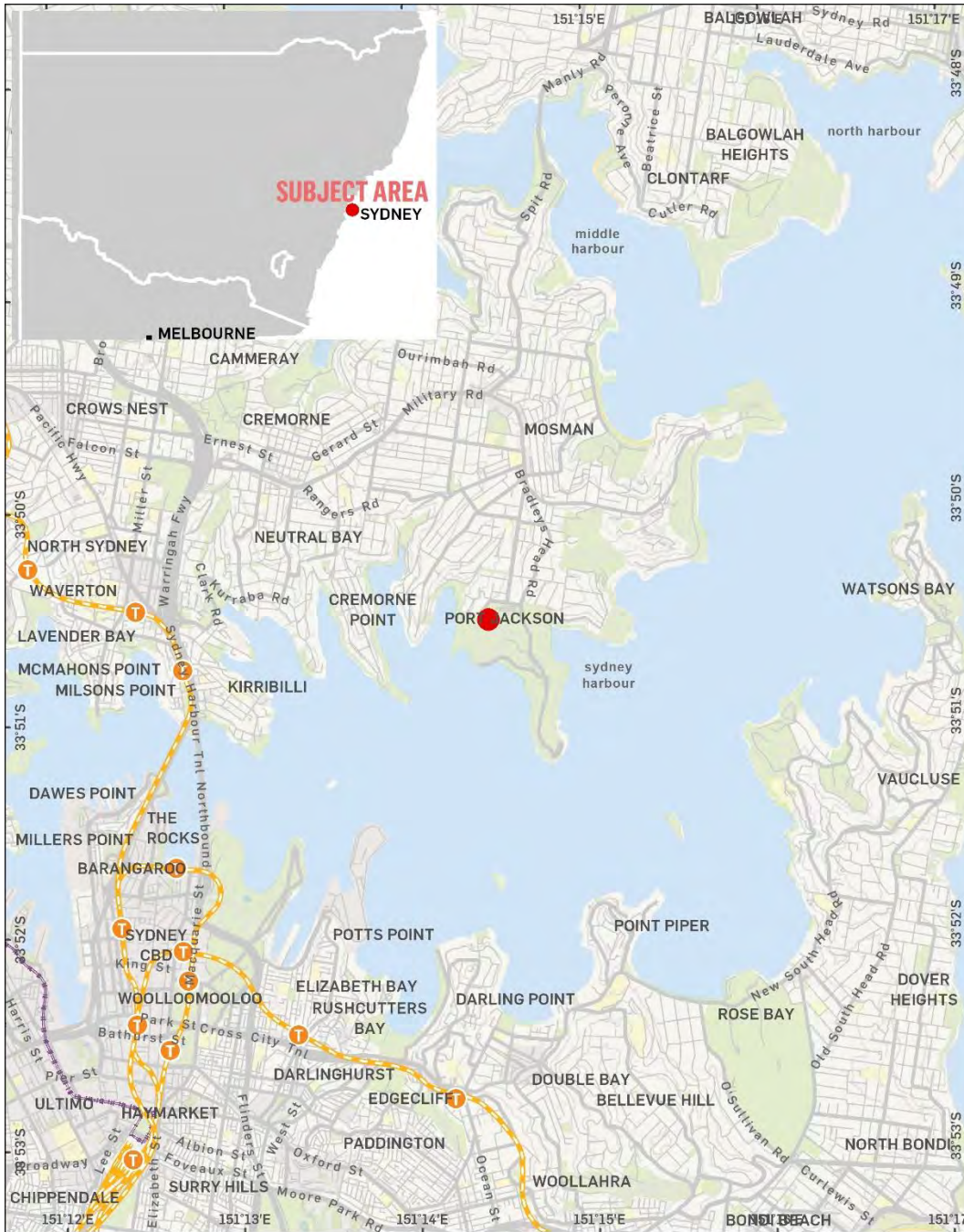
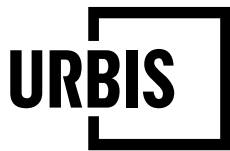


Figure 1 – Regional Location of the Subject Area

STAGE 2 & 3 – PRESENTING AND GATHERING INFORMATION



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

7th June 2021

Dear All,

ABORIGINAL CULTURAL HERITAGE ASSESSMENT - TARONGA WILDLIFE HOSPITAL - STAGE 2 PRESENTATION OF INFORMATION & STAGE 3 GATHERING INFORMATION ABOUT CULTURAL SIGNIFICANCE

1. BACKGROUND

Thank you for registering your interest in this project.

Urbis have been engaged by Taronga Conservation Society Australia (TSCA) to prepare an Aboriginal Cultural Heritage Assessment (ACHA) for a State Significant Development Application (SSDA #17655146) for the proposed redevelopment of facilities within Taronga Zoo to create the Taronga Wildlife Hospital. This will involve the demolition of existing structures including the meerkat enclosure and cantilevered footpath, and the construction of new building, as well as landscaping works. The Secretary's Environmental Assessment Requirements (SEARs) for this SSDA have been received and include the following requirement:

Heritage

an Aboriginal Cultural Heritage Assessment Report in accordance with relevant guidelines, identifying, describing and assessing any impacts for any Aboriginal cultural heritage values on the site, including archaeology.

The purpose of the community consultation is to assist the Proponent in the preparation of an ACHA Report (ACHAR) to develop an understanding of the cultural significance of the area.

The present communication seeks to provide all registered Aboriginal parties (RAPs) with information about the scope of the proposed project and the proposed ACHA process, in accordance with Section 4.2.1 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (Department of Environment, Climate Change and Water NSW) ('the Consultation Requirements'). It is further aimed at facilitating a process for RAPs to: (a) contribute to culturally appropriate information gathering and research methodology; (b) provide information that will enable the cultural significance of Aboriginal objects and/or places within or near the proposed project to be determined; and (c) have input into the development of any cultural heritage management options, in accordance with Section 4.2.2 of the Consultation Requirements.

In addition to giving broad consideration to the Aboriginal Cultural Heritage of the subject area, the ACHA process will focus on the following matters:

- The Aboriginal cultural heritage values of the wider Taronga Zoo site and Bradley's Head Peninsula.

1.1. DETAILS OF THE DEVELOPMENT

Taronga Zoo is located at Bradleys Head Road, Mosman and is situated in the Mosman Local Government area (LGA). The site is bounded by Bradleys Head Road to the east, Athol Wharf Road and Sydney Harbour to the south, Little Sirius Cove to the west and Whiting Beach Road to the north.

Taronga Zoo is legally described as Lot 22 on DP843294 and is Crown Land managed by the TCSA (the Taronga Conservation Society Australia).

The proposed Wildlife Hospital is located within the north western portion of the zoo, primarily within the back-of-house area and the existing reptile house, with some public domain works proposed. The public domain works include the area currently occupied by one of the few remaining remnant natural bushland areas of the zoo, with identified sandstone outcrops and overhangs present.

The design is still in preliminary form and may change following further investigations undertaken during the SSDA process. The location of facilities has been carefully chosen to ensure there are minimal impacts on current biosecurity protocols for the site and adequate access is provided to the new Wildlife Hospital.

General, proposed works will include the following:

- Demolition of the existing Serpentaria and Reptile House.
- Demolition of existing back of house facilities.
- Site preparation works.
- Construction of new Wildlife Hospital.
- Public domain works.

Concept plans for the proposed works and included below.



Figure 1 – Proposed works footprint including building and public domain works. Building marked by blue arrow and inclusive of the light green building footprints and the brown building footprint. proposed footpath marked by red.

Source: Taronga Zoo AMP, 2004.



Figure 2 – Proposed building footprint and demolition plan.

Source: Taronga Zoo AMP, 2004.

1.2. PROJECT HISTORY

The decision to undertake the redevelopment of the subject area for the Taronga Wildlife Hospital is informed by the overall masterplan prepared for the Zoo. This developed a staged capital works program including the development of the Reptile and Amphibian Conservation Centre, the Taronga Wildlife Hospital, The Upper Australia Habitat, the Taronga Platypus Conservation Centre, the Congo Forest and the African Savannah Precinct. The currently proposed works at Taronga Zoo are scheduled to occur over the next 3-4 years. Each project will likely be undertaken as a State Significant Development Application owing to the nature of the works. An ACHA was prepared by Urbis in 2020 for the Upper Australia Habitat, and is currently in preparation for the Reptile and Amphibian Conservation Centre. The African Savannah Precinct and Congo Forest have also been subject to Aboriginal archaeological investigation, undertaken by Dominic Steel Consulting Archaeology in 2017.

2. ARCHAEOLOGICAL CONTEXT

2.1.1. Aboriginal Heritage Information Management System (AHIMS)

The AHIMS database comprises previously registered Aboriginal archaeological objects and cultural heritage places in NSW and it is managed by the Department of Planning, Industry and Environment (DPIE) under Section 90Q of the *National Parks and Wildlife Act 1974* (NPW Act).

Aboriginal objects are the official terminology in AHIMS for Aboriginal archaeological sites. From this point in the assessment forward the terms of 'Aboriginal sites', 'AHIMS sites' or 'sites' will be used to describe the nature and spatial distribution of archaeological resources in relation to the subject area.

The search of the AHIMS was carried out on 9th February 2021 (Client Service ID: 566678) for an area of approximately 2 km². The search found no registered Aboriginal sites within or adjacent to the subject area.

The search results are shown on Figure 4, discussed in Table 1 and Figure 3, and included as Appendix A.

AHIMS Search Results (CSID: 566678)

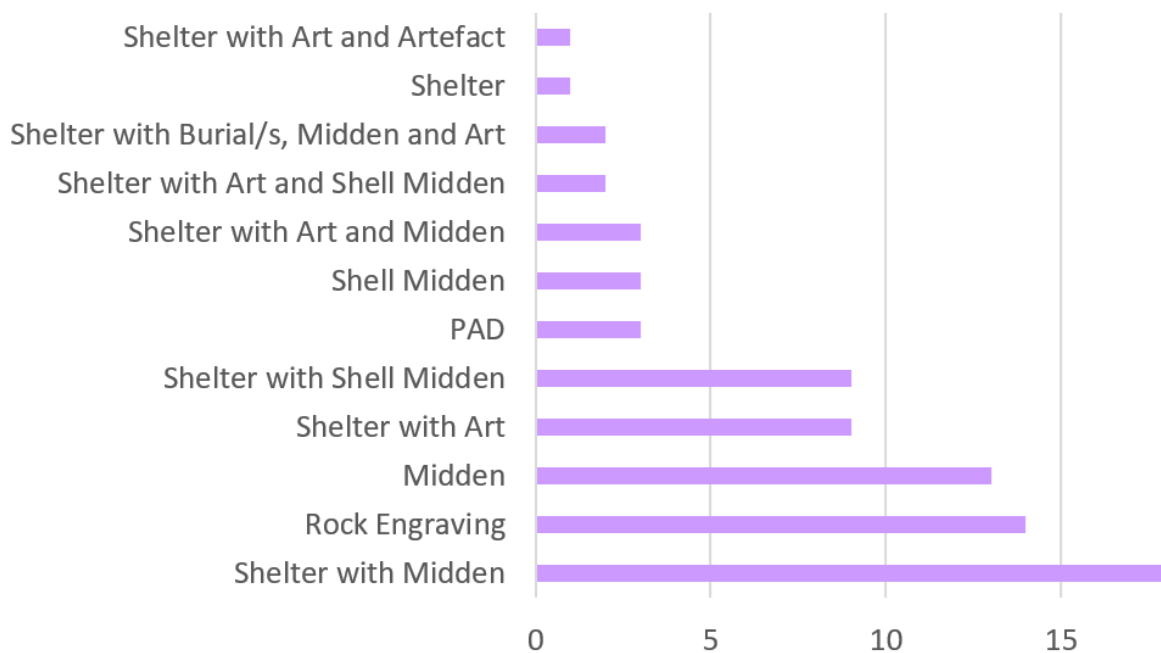


Figure 3 – AHIMS search results (Client Service ID: 566678)

Table 1 – AHIMS search results (Client Service ID: 566678)

Site Type	Number	Percentage
Shelter with Midden	18	23.1%
Rock Engraving	14	17.9%
Midden	13	16.7%
Shelter with Art	9	11.5%
Shelter with Shell Midden	9	11.5%
PAD	3	3.8%
Shell Midden	3	3.8%
Shelter with Art and Midden	3	3.8%
Shelter with Art and Shell Midden	2	2.6%
Shelter with Burial/s, Midden and Art	2	2.6%
Shelter	1	1.3%

Site Type	Number	Percentage
Shelter with Art and Artefact	1	1.3%
Total	78	100%

In the above table, 'shell midden' describes a shell deposits which contains exclusively shell as identified on the AHIMS site card, whereas 'midden' described a deposit containing both culturally modified lithics and shell.

The types of sites identified reflect the landscape and environment of the search area. 'Open' context sites are sites which occur in open space, whereas 'closed' context sites are those which occur within rock shelters. Closed context sites dominated the search results, comprising 58% (n=45). This is due to the general topography and geology of the site, where sandstone outcrops are common. As a results, site which are dependent on sandstone (including shelter sites and rock engravings) comprised 79% (n=62) of search results. These site types are typically indicative of habitation and long term occupation across the area. Shelters are sites of habitation, and typically correlate with additional archaeological resources including art, shell middens and artefacts.

40% (n=31) of registered sites within the search area contained art. Art within shelters, typically in the form of pigment applied to the shelter wall, comprised 55% (n=17) of art sites, while rock engravings in open context comprised 45% (n=14) of art sites. Pigment art is typically associated with areas of habitation and sustenance, while engravings are typically located on flat sandstone outcrops, on ridges where vistas occur. All art sites are indicative of prolonged use and occupation/habitation within an area, and typically are of high cultural significance due to their rarity, caused by post-settlement destruction and natural erosion and wear processes. Art sites within shelters often correlate with middens, artefacts and burials.

Middens are sites containing deposits of edible shell indicative of habitation, sustenance and resource extraction. Middens are typically located within shelters and/or in close proximity to watercourses where edible shells were extracted and subsequently processed. Midden may represent a single meal or an accumulation over a long period of time involving many different activities. Shell middens are delineated in this report as containing exclusively shell, whereas 'Middens' refers to sites which also contain culturally modified lithics (stone artefacts).

Burials are commonly found within middens and sand bodies. Aboriginal burial of the dead often took place relatively close to camp site locations. Burials are highly culturally significant and strongly protected under legislation. Sites containing human remains comprised 2.6% (n=2) of site types within the search area, with the remains identified within shelters with middens and art.

Sites containing stone artefacts comprised 47% (n=37) of site types. This included artefacts in open and closed context, with scatters of varying densities and associated with other materials. Artefact scatter sites are sites with multiple culturally modified lithics within a 10m area. Artefact scatters range in size; from small, low intensity, 'background' scatter, to large scatters of hundreds of artefacts, with accompanying materials which would indicate use of the area for long term habitation purposes.

Potential Archaeological Deposits (PAD) sites comprised 3.8% (n=3) of results, and occurred only in isolation across the search area, rather than being associated with other sites. PADs typically represent areas where the environmental context and level of disturbance are such that subsurface remains are deemed to be likely, and the registering of PADs is usually followed by test excavation which will either realise this potential through the identification of sites, or result in the de-registering of the area due to the absence of materials. PADs are typically registered within areas where deposits indicative of habitation are anticipated to occur.

It should be noted that the AHIMS register does not represent a comprehensive list of all Aboriginal objects or sites in a specified area. It lists recorded sites identified during previous archaeological survey effort. The wider surroundings of the subject area have experienced various levels and intensity of archaeological investigations during the last few decades. Most of the registered sites have been identified through targeted, pre-development surveys for infrastructure and maintenance works, with the restrictions on extent and scope of those developments.

Furthermore, it is important to note that archaeological sites alone will not provide the full context of how Aboriginal people might have used the landscape in the past and how their every day and ceremonial activities shaped the landscape and provided the cultural connection to the natural environment. Archaeological resources comprise only one aspect (tangible) of Aboriginal cultural heritage and intangible cultural heritage provides a more holistic context of past and present Aboriginal life.



Figure 4 – Registered Aboriginal sites in search area

2.1.2. Aboriginal Archaeological Management Plan

There is an existing Aboriginal Archaeological Management Plan (AMP) for the wider Taronga Zoo Park. This was prepared in 2004 by GML. The Archaeological Management Plan assessed the archaeological, environmental and historical land use context of the Taronga Zoo site to inform a system by which the zoo was divided into Management Zones which correlated to archaeological potential and thus management strategies for potential Aboriginal archaeological sites. 5 zones were identified, discussed in the table below.

Table 2 – Management Zones

Zone	Description	Corresponding Potential
1	Identified Art Site	High
2	Unassessed area outside Zoo boundary wall	N/A
3	Rock surface unmodified by European development. Areas of original bushland unmodified by European development.	High
4	Areas heavily modified by European Development.	Medium to Low
5	Areas which have previously been excavated down to bedrock, or culturally sterile soils.	Nil

Source: GML, 2004.

The Taronga Zoo AMP identifies the subject area within the following zones (Figure 8):

- Zone 3 (within the public domain area):
- Zone 4 (within the proposed Taronga Wildlife Hospital area):
- Zone 5 (within the proposed Taronga Wildlife Hospital area):

Accordingly, the subject area is registered as having nil-moderate Aboriginal archaeological potential in the area proposed for the Taronga Wildlife Hospital and high Aboriginal archaeological potential in the area proposed for public domain works according to this assessment.

Management strategies identified for these zones include preliminary test excavation in Zone 3 where disturbance is proposed, and an AHIP to be obtained if relics identified. Management strategies for Zone 4 and 5 include an Archaeological Induction for all contractors if subsurface disturbance is proposed and a chance find procedure developed.

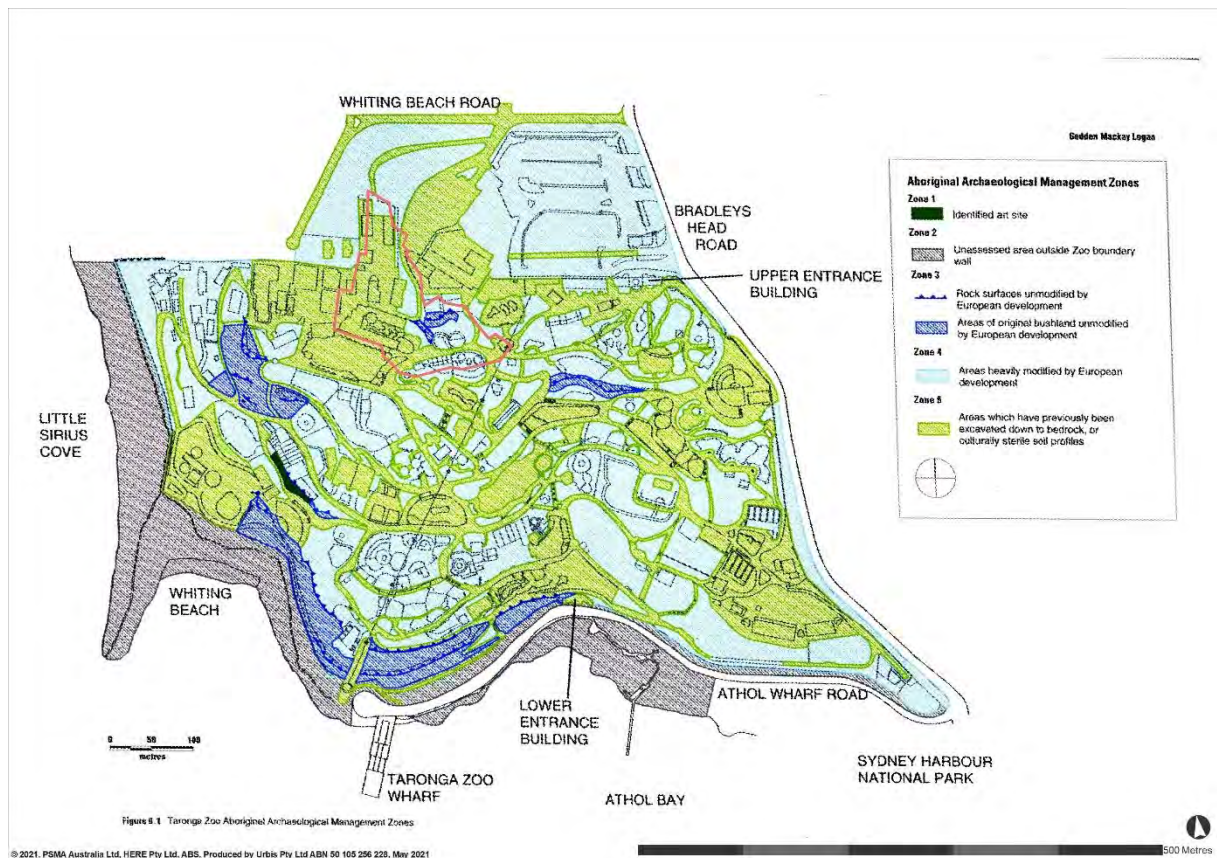


Figure 5 – Aboriginal Archaeological Management Zones

Source: Taronga Zoo AMP, 2004.

3. ENVIRONMENTAL CONTEXT

3.1. GEOLOGY AND SOILS

The subject area is located within the Sydney Basin Bioregion. The underlying geology of the Mosman area consists of Triassic Hawkesbury Sandstone, which is exposed along the shoreline (Chapman & Murphy 1989). The Hawkesbury Sandstone is a medium to coarse-grained quartz sandstone with minor shale and laminite lenses. The subject area is located on a peninsula which extends south into Port Jackson (Sydney Harbour).

The subject area is located within the GyMEA soil landscape (gy), which consists of undulating to rolling rises and low hills on Hawkesbury Sandstone. Soils consist of shallow to moderately deep (30-100 cm) Yellow Earths and Earthy Sands on crests and inside of benches, shallow (<20 cm) Siliceous Sands on leading edges of benches, localised Gleyed Podzolic Soils and Yellow Podzolic Soils on shale lenses and shallow to moderately deep (<100 cm) Siliceous Sands and Leached Sands along drainage lines (Figure 6).

The depth of natural soils is relevant to the potential for archaeological deposits to be present, especially in areas where disturbance is high. Most of the Mosman area is highly disturbed as a result of moderate density residential development during the 20th Century.

3.2. TOPOGRAPHY

The wider Taronga Zoo area is characterised by the presence of intersecting sandstone ledges that sloped towards the harbour foreshore. The site has been subject to high levels of disturbance relating to its use as a zoo, which necessitated the creation of level building terraces by cutting and filling sections of the sandstone bedrock. While the majority of the subject area has been heavily modified, there are some portions which retain unmodified sandstone outcrops and faces, as well as remnant original bushland.

3.3. HYDROLOGY

Taylor's Gully drains into the harbour approximately 450m to the east of the subject area. There is currently a highly modified creek to the north of the subject area which feeds the wetlands ponds. Generally, water exhibits were located across the Zoo in areas of previous gully's or creeks.

3.4. HISTORICAL LAND USE

Portions of the subject area have been heavily impacted by disturbance associated with the former and existing zoo facilities including incinerator, reptile house, paths, crocodile enclosure and storage/back-of-house sheds. However, the subject area does contain a stand of remnant bushland unimpacted by contemporary uses of the site. This patch of bushland also includes remnant unmodified sandstone outcrops and walls. This portion of intact remnant bushland extends from the Crocodile exhibit and reptile house to the Koala exhibit in the north east. Disturbance in this area is generally low, however where zoo facilities are currently present disturbance is anticipated to be moderate-high.

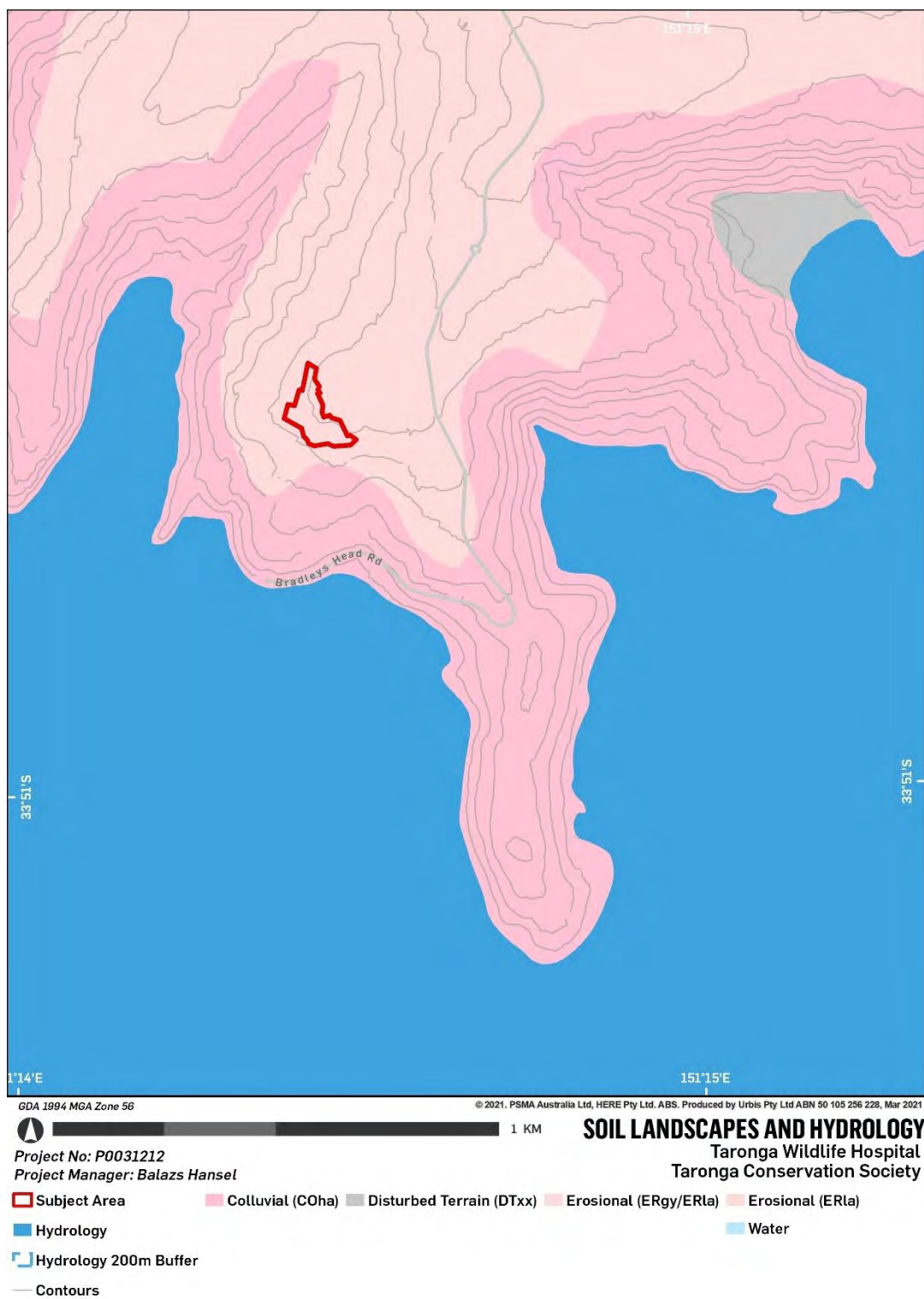


Figure 6 – Soils landscapes and hydrology

4. METHODOLOGY

The proposed impact assessment process for the ACHA, including the input points into the investigation and assessment activities for RAPs, is outlined below, in accordance with Section 4.2.2(b) of the Consultation Requirements.

The ACHA will be conducted in accordance with Part 6 of the *National Parks and Wildlife Act 1974* ('NPW Act'), Part 5 of the *National Parks and Wildlife Regulation 2019* ('NPW Reg') and will adhere to the following guidelines:

- The Consultation Requirements.
- *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (Department of Environment, Climate Change and Water NSW, 2010).
- *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in New South Wales* (Office of Environment and Heritage, Department of Premier and Cabinet, 2011).
- *The Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance* (Australia ICOMOS, 2013).

The ACHA will follow the general methodology described in Table 3 below.

Table 3 – Aboriginal cultural heritage assessment methodology

Process Method	Description
Desktop assessment	Collection and evaluation of background information, including archaeological and historical resources and environmental conditions, to develop a predictive model for archaeological potential.
Consultation with RAPs	Providing information on the project to RAPs and gathering information about the proposed methodology and the Aboriginal cultural heritage values and significance of the subject area.
Site inspection with RAPs (if approved by Proponent)	On-site meeting including site inspection of the subject area with the RAPs to allow further opportunity for cultural information to be provided and for the RAPs to familiarise themselves with the subject area and discuss the archaeological approach.
Preparation of draft ACHA report	Synthesis of all information collected during the ACHA process to prepare a draft assessment report and provision of the draft report to the Proponent and the RAPs for comments. The report will include an assessment of significance of any Aboriginal objects or Aboriginal cultural heritage values that may exist within the subject area, an

Process Method	Description
	impact assessment and provide management and mitigation measures.
Finalisation of ACHA report	Incorporation of all comments from the Proponent and RAPs into ACHA report and finalisation.

Urbis welcomes input and information from the RAPs at any stage throughout the entire process of the ACHA. Consistent with the Consultation Requirements, the formal input points for the consultation are the following:

- During Stage 2 and 3 – Following review of the current communication, which presents information about the proposed project and ACHA methodology.
- During Stage 2 and 3 – During or following the onsite inspection, should such an inspection be approved by the Proponent.
- During Stage 4 – Following review of the draft ACHA.

The critical timelines for the above stages are provided in Section 5 below.

4.1. ROLES, FUNCTIONS AND RESPONSIBILITIES

The roles, functions and responsibilities of the proponent and RAPs are defined below, in accordance with Section 4.2.2(d) of the Consultation Requirements.

The roles, functions and responsibilities of the Proponent, Urbis (acting on behalf of the Proponent), RAPs and any other parties involved in the consultation process are those defined in Section 5 of the Consultation Requirements.

Please note that, in accordance with Section 3.4 of the Consultation Requirements, consultation does not include the employment of Aboriginal people to assist in field assessment and/or site monitoring. Furthermore, there is no obligation on the Proponent to employ Aboriginal people registered for consultation. Aboriginal people may provide services to the Proponent through a contractual arrangement separate to the consultation process. Consultation will continue irrespective of potential or actual employment opportunities for Aboriginal people.

4.2. GATHERING CULTURAL INFORMATION

Urbis is providing the opportunity for RAPs to identify, raise and discuss their cultural concerns, perspectives and assessment requirements (if any), in accordance with Section 4.2.2(e) of the Consultation Requirements.

Urbis is actively seeking information on the cultural heritage and cultural significance of the subject area. Such information includes the existence of any Aboriginal objects of cultural value to Aboriginal people in or near the subject area and the existence of any places of cultural value to Aboriginal people in or near the subject area (whether declared under s.84 of the NPW Act or not), including places of social, spiritual and cultural value, historic places with cultural significance and potential places/areas of historic, social, spiritual and/or cultural significance.

Please also consider the following when providing information:

- Do you have information on any Aboriginal objects within or near the subject area?
- Do you or somebody you know have information of cultural values, stories in relation to the subject area and if that information can be shared?

If you or your organisation has sensitive or restricted public access information for determining or managing the heritage values of the subject area, it is proposed that the proponent will manage this information (if provided by the Aboriginal community) in accordance with a sensitive cultural information management protocol. It is anticipated that the protocol will include making note of and managing the material in accordance with the following key limitations as advised by Aboriginal people at the time of the information being provided:

- Any restrictions on access of the material.
- Any restrictions on communication of the material (confidentiality).
- Any restrictions on the location/storage of the material.
- Any cultural recommendations on handling the material.
- Any names and contact details of persons authorised within the relevant Aboriginal group to make decisions concerning the Aboriginal material and degree of authorisation.
- Any details of any consent given in accordance with customary law.
- Any access and use by the RAPs of the cultural information in the material.

Please consider the above list when providing your recommendations regarding any culturally sensitive information.

4.3. QUESTIONNAIRE

To streamline information gathering during Stage 2 and 3, and to inform the proponent for any field inspection component, Urbis requests the following information from you:

1. **Cultural connection:** Please describe the nature of your cultural connection to the country on which the subject area is situated. Please include any relevant cultural knowledge or knowledge of Aboriginal objects or places within the subject area. Have you ever lived in or near the subject area? If you are a Traditional Owner, please state this clearly.
2. **Representing your community members:** Please state who you or your organisation represents. Do you or your organisation represent other members of the Aboriginal community? If so, please describe how information is provided to the other members, and how their information and knowledge may be provided back to the proponent and Urbis.
3. **Previous experience:** Please list your relevant (for example, in the area of the proposed project) previous experience in providing cultural heritage advice and survey participation.
4. **Schedule of Rates:** Please provide your Certificate of Currency including Product and Public Liability Insurance and Worker's Compensation. Please also include a schedule of rates (hourly/half day/day) for fieldwork participation, and include any expenses you may expect to incur, and these will be sought to be reimbursed. Please note that it is for the discretion for the proponent to decide if they invite RAPs for site works and the consultation process does not guarantee paid employment.



The above questions are provided as a questionnaire in Appendix B for your convenience.

5. CRITICAL TIMELINES

The critical timelines and milestones for the completion of the ACHA and delivery of reports are presented i



Table 4 below, in accordance with Section 4.2.2(c) of the Consultation Requirements. Please note that the presented timeframes are estimates only and are intended as a guided to allow forward planning of personnel and resources.

Table 4 – Critical timelines

Project Stage	Deadline
Stage 2 and 3: Provision of comments on the provided project information and proposed methodology (this document).	5th July 2021
Stage 3: Site survey (if agreed to by proponent).	On or after 6th July 2021
Stage 4: Provision of the draft ACHA report (including the proposed management and mitigation measures) to the RAPs.	Within 2 business days of the site inspection (anticipated 9 th July 2021)
Stage 4: Provision of comments on draft ACHA report.	Within 28 days from delivery of the draft ACHA to RAPs (anticipated 6 th August 2021)
Stage 4: Finalisation of the ACHA report including the consideration of all comments and feedback.	Within one week of the closing of the comment period for the draft ACHA report.

Please provide the requested information by Close of Business 5th July 2021.

Comments received after this date might be excluded from the draft ACHA. Please provide your comments in writing to

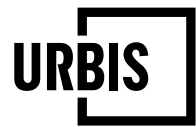
Meggan Walker
 Consultant
 Urbis
 Level 8, 123 Pitt Street
mwalker@urbis.com.au
02 8233 7626

If you have any questions, please do not hesitate to contact us.

Yours sincerely,



Meggan Walker
 Consultant
 +61 2 8233 7626
mwalker@urbis.com.au



APPENDIX A

AHIMS RESULTS – BASIC AND EXTENSIVE

Urbis Pty Ltd - Angel Place L8 123 Pitt Street

Level 8 123 Angel Street
Sydney New South Wales 2000

Attention: Meggan Walker

Email: mwalker@urbis.com.au

Date: 09 February 2021

Dear Sir or Madam:

AHIMS Web Service search for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters, conducted by Meggan Walker on 09 February 2021.

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



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

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

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(http://www.nsw.gov.au/gazette\)](http://www.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Office of Environment and Heritage's Aboriginal Heritage Information Unit upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Office of Environment and Heritage and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date .Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : TarongaZoo_RACC/Hospital

Client Service ID : 566678

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-2217	GH1	AGD	56	338850	6254280	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	2025,2988
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig					<u>Permits</u>		
45-6-2220	Balmoral Beach 4;	AGD	56	338240	6255270	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2988
	<u>Contact</u>	<u>Recorders</u>	Val Attenbrow,K Cutmore					<u>Permits</u>		
45-6-2230	Clifton Gardens 1;Clifton Gardens;	AGD	56	338080	6254120	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig					<u>Permits</u>		
45-6-2342	Fig Trees Midden	AGD	56	338290	6255291	Open site	Valid	Shell : -, Artefact : -	Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2320	Burrage Cave;Mosman;	AGD	56	337790	6253250	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2322	Red Fish 2;Mosman;	AGD	56	337740	6253090	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-1959	Taronga Zoo Cave;Mosman;	AGD	56	336980	6253650	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>	3854	
45-6-2963	Shell Cove Rd NSW NSC-070	GDA	56	335604	6254130	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Mr.Phil Hunt,Aboriginal Heritage Office					<u>Permits</u>		
45-6-0640	Mosman-Sydney	GDA	56	335604	6255590	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,Aboriginal Heritage Office					<u>Permits</u>		
45-6-2328	Chowder Head;Clifton Gardens;	AGD	56	338340	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-0265	Balmoral Beach	AGD	56	338550	6255480	Open site	Not a Site	Art (Pigment or Engraved) : -	Not an Aboriginal Site	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		
45-6-0267	Mosman;	AGD	56	337682	6255487	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,W.D Campbell					<u>Permits</u>		
45-6-0272	Robertson's Point Cremorne	GDA	56	336129	6253645	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	597
	<u>Contact</u>	<u>Recorders</u>	Charles.D Power,Aboriginal Heritage Office					<u>Permits</u>		
45-6-0273	Cremorne Point Shell Cove	GDA	56	335999	6253655	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : TarongaZoo_RACC/Hospital

Client Service ID : 566678

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>	Charles.D Power,Aboriginal Heritage Office					<u>Permits</u>		
45-6-0274	Cremorne Point Crows Nest	GDA	56	336249	6253720	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,Aboriginal Heritage Office					<u>Permits</u>		
45-6-2061	Red Shield Cave;	AGD	56	335910	6253430	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2062	Bradleys Beach	AGD	56	337762	6252708	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,1895,2025
	<u>Contact</u>	<u>Recorders</u>	Val Attenbrow,Michael Guider					<u>Permits</u>		
45-6-2063	Little Sirius Pt. 3;	AGD	56	336792	6253460	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2064	Little Sirius Pt. 2;Mosman;	AGD	56	336790	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2065	Little Sirius Pt. 1;Mosman;	AGD	56	336782	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		
45-6-2066	Red Ochre Fish	AGD	56	337481	6253127	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809,1895,2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2068	Shell Cove 2	GDA	56	335784	6254190	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,Aboriginal Heritage Office					<u>Permits</u>		
45-6-2069	Shell Cove 1	GDA	56	335844	6254100	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,Aboriginal Heritage Office					<u>Permits</u>		
45-6-2071	Cremorne Pt. 1	GDA	56	336464	6253305	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809
	<u>Contact</u>	<u>Recorders</u>	Michael Guider,Aboriginal Heritage Office					<u>Permits</u>		
45-6-1896	Chowder Head	AGD	56	338303	6253598	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-1897	Chowder Head 1	AGD	56	338161	6253587	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Midden,Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-1898	The Balcony	AGD	56	338343	6253710	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : TarongaZoo_RACC/Hospital

Client Service ID : 566678

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-1899	Chowder Head 2	AGD	56	338036	6253594	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		
45-6-1905	Reid Park 2;Mosman;	AGD	56	336500	6254600	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		
45-6-1906	Reid Park 1;Mosman;	AGD	56	336300	6254500	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		
45-6-2206	Reid Park 3;Mosman;	AGD	56	336357	6254502	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2208	Bradleys Beach rock shelter	AGD	56	337751	6252663	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025
	<u>Contact</u>	<u>Recorders</u>	Andrew Ross					<u>Permits</u>		
45-6-2117	Clifton Cave;	AGD	56	338209	6253889	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2118	Mosman Bradley's Head	AGD	56	337474	6253300	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2119	Mosman Athol Beach	AGD	56	337460	6253150	Open site	Valid	Artefact : -	Open Camp Site	1895,2025
	<u>Contact</u>	<u>Recorders</u>	Val Attenbrow,Michael Guider					<u>Permits</u>		
45-6-2121	Cremorne Pt. 3;	AGD	56	336170	6253490	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
45-6-2123	The Barn Cave;Mosman;	AGD	56	336450	6254290	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>	2106	
45-6-2124	Chowder Head 2;	AGD	56	338188	6253961	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	2025
	<u>Contact</u>	<u>Recorders</u>	Michael Guider					<u>Permits</u>		
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
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig,Michael Guider					<u>Permits</u>		
45-6-0641	Crows Nest;Neutral Bay;	AGD	56	335516	6253982	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : TarongaZoo_RACC/Hospital

Client Service ID : 566678

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
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					Permits		
45-6-1231	Sea Scouts Fence Cave	AGD	56	338550	6255500	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	2025,2204,2988
	Contact	Recorders	Margrit Koettig,Michael Guider,Michael Guider,Mr.R Taplin,Mr.R Taplin					Permits		
45-6-2092	Obelisk Bay	AGD	56	338990	6255250	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,2025,2988
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-2168	RSYS midden;	AGD	56	335190	6253050	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	
	Contact	Recorders	Michael Guider					Permits		
45-6-2178	Shark Island 2;	GDA	56	338802	6252265	Open site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider,GML Heritage Pty Ltd + Context - Surry Hills,Doctor.Tim Owen					Permits		
45-6-2179	Shark Island 1;	GDA	56	338876	6252082	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact	Recorders	Michael Guider,GML Heritage Pty Ltd + Context - Surry Hills,Doctor.Tim Owen					Permits		
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		
45-6-2327	Chowder Bay;Clifton Gardens;	AGD	56	338350	6254200	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2329	Chowder Head 3;Clifton Gardens;	AGD	56	338330	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2330	Two Fish;Clifton Gardens;	AGD	56	338370	6253650	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Michael Guider					Permits		
45-6-2331	Koree Cave	AGD	56	338450	6254370	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2332	Clifton Reserve 1;Clifton Gardens;	AGD	56	338100	6254160	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Michael Guider					Permits		
45-6-2333	Shale Cave;Clifton Gardens;	AGD	56	338330	6253610	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2334	Chowder Head 5;Clifton Gardens;	AGD	56	338390	6253590	Open site	Valid	Shell : -, Artefact : -	Midden	

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Extensive search - Site list report

Your Ref/PO Number : TarongaZoo_RACC/Hospital

Client Service ID : 566678

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2042	Ashton park	AGD	56	337730	6252728	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,1895,2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0740	Mosman;Balmoral;	AGD	56	337866	6255399	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1757	Georges Head 2	AGD	56	338990	6254500	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025,2988
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0656	Mosman Bay	AGD	56	336428	6254573	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0658	Crows Nest;Avenue Rd;	AGD	56	336611	6254095	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0665	Mosman Bay;	AGD	56	337100	6254800	Open site	Deleted	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0674	Bradley's Head;Taylor's Bay;	AGD	56	337900	6253662	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0677	Balmoral Beach 2;Bungarees cave;	AGD	56	338250	6255290	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	1809,2025,98676
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0678	Balmoral Beach 3;	AGD	56	338160	6255400	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -, Burial : -	Burial/s,Midden,Shelter with Art	1809,2025,2988
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1698	Georges Head 1	AGD	56	339000	6254490	Closed site	Valid	Shell : -, Artefact : -	Midden,Shelter with Deposit	1293,2025,2988
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1701	Little Sirius Cove Midden;	AGD	56	336837	6253788	Closed site	Valid	Artefact : -, Shell : -	Midden,Shelter with Deposit	1293,2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1702	Sirius Park Midden;	AGD	56	336850	6253973	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1293,1809,2025
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							

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Extensive search - Site list report

Your Ref/PO Number : TarongaZoo_RACC/Hospital

Client Service ID : 566678

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-0028	Taylor's Bay;Chowder Head;	AGD	56	337900	6253700	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	<u>Contact</u>							<u>Permits</u>		
45-6-2080	Cremorne Pt 2	GDA	56	336374	6253380	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1809
	<u>Contact</u>							<u>Permits</u>		
45-6-2934	Yurong Cave	GDA	56	335595	6251900	Closed site	Valid	Art (Pigment or Engraved) : -		102763
	<u>Contact</u>							<u>Permits</u>		
45-6-2935	Yurong 1	GDA	56	335555	6252020	Open site	Valid	Shell : 6		
	<u>Contact</u>							<u>Permits</u>		
45-6-2807	Bradleys Head East 1	AGD	56	337739	6253143	Open site	Valid	Habitation Structure : 1, Shell : 1		
	<u>Contact</u> T Russell							<u>Permits</u>		
45-6-2808	Bradleys Head East 2	AGD	56	337794	6253270	Open site	Valid	Habitation Structure : 1, Shell : 1		
	<u>Contact</u> T Russell							<u>Permits</u>		
45-6-2812	Fire Trail PAD 1	AGD	56	338710	6254995	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<u>Contact</u> T Russell							<u>Permits</u>		
45-6-2813	GH 2	AGD	56	338850	6254284	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<u>Contact</u> T Russell							<u>Permits</u>		
45-6-2814	Fire Trail PAD 2	AGD	56	338690	6255025	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<u>Contact</u> T Russell							<u>Permits</u>		
45-6-2816	Little Fish Park Midden	AGD	56	336858	6254073	Open site	Valid	Habitation Structure : 1, Shell : 1		
	<u>Contact</u> T Russell							<u>Permits</u>		
45-6-2818	Chowder Head 4	AGD	56	338300	6253800	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	<u>Contact</u> S Scanlon							<u>Permits</u>		
45-6-2819	Chowder Head 5	AGD	56	338266	6253757	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	<u>Contact</u> S Scanlon							<u>Permits</u>		
45-6-2820	Chowder Head 6	AGD	56	338231	6253853	Open site	Valid	Habitation Structure : 1		

Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

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.

AHIMS Web Services (AWS)

Extensive search - Site list report

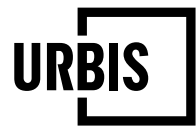
Your Ref/PO Number : TarongaZoo_RACC/Hospital

Client Service ID : 566678

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<u>Zone</u>	<u>Easting</u>	<u>Northing</u>	<u>Context</u>	<u>Site Status</u>	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
	<u>Contact</u>								<u>Permits</u>	
	S Scanlon									
		<u>Recorders</u>		Matthew Kelleher						

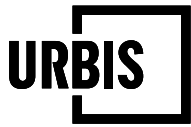
Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

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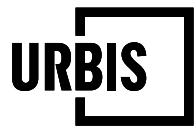
APPENDIX B

ACHA QUESTIONNAIRE

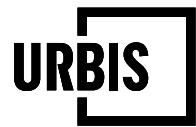


APPENDIX 3 – QUESTIONNAIRE

1. Cultural connection: Please describe the nature of your cultural connection to the country on which the subject area is situated. Please include any relevant cultural knowledge or knowledge of Aboriginal objects or places within the subject area. Have you ever lived in or near the subject area? If you are a Traditional Owner, please state this clearly.



2. **Representing your community members: Please state who you or your organisation represents. Do you or your organisation represent other members of the Aboriginal community? If so, please describe how information is provided to the other members, and how their information and knowledge may be provided back to the Proponent and Urbis.**



3. **Previous experience:** Please list your relevant (for example, in the area of the proposed project) previous experience in providing cultural heritage advice and survey participation.

Meggan Walker

From: Meggan Walker
Sent: Monday, 7 June 2021 10:14 AM
To: Balazs Hansel; Alexandra Ribeny
Subject: ACHA - Stage 2 and Stage 3 - Taronga Zoo Wildlife Hospital - Our Ref P0031212
Attachments: 01_P0031212_TarongaWildlifeHospital_Stage2-3.pdf

Tracking:	Recipient	Delivery
	Balazs Hansel	Delivered: 7/06/2021 10:16 AM
	Alexandra Ribeny	Delivered: 7/06/2021 10:16 AM
	nmoran@metrolalc.org.au	
	cazadirect@live.com	
	philip khan	
	didgengunawalclan@yahoo.com.au	
	ginninderra.corp@gmail.com	
	waarlan12@outlook.com	
	ngambaaculturalconnections@hotmail.com	
	Dennis.Foley@canberra.edu.au	
	butuheritage@gmail.com	
	myrrabidgeemullangari@yahoo.com.au	
	gulagachts@gmail.com	
	goobahchts@gmail.com	

Hello all,

Please see attached the Stage 2 and 3 document for our project at Taronga Zoo, Mosman, for the development of a Wildlife Hospital. Please provide any response in writing to myself or Alexandra Ribeny (details below) by **COB 5th July 2021**.

Alexandra Ribeny

aribeny@urbis.com.au

Level 8, 123 Pitt Street, Sydney, 2000

Please let us know if you have any questions.

Kind regards,

MEGGAN WALKER

CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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SYDNEY, NSW 2000, AUSTRALIA
T +61 2 8233 9900

Meggan Walker

From: Butucarbin Heritage <butuheritage@gmail.com>
Sent: Monday, 5 July 2021 4:00 AM
To: Meggan Walker
Subject: Re: Taronga Wildlife Hospital ACHA - Site Visit EOI - our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,
I am emailing you to confirm that I will attend this meeting on Tuesday.

Kind regards,
Lowanna

On Fri, Jul 2, 2021 at 10:41 AM Meggan Walker <mwalker@urbis.com.au> wrote:

Hello All,

Please see the attached invitation to register for the site visit at Taronga Wildlife Hospital which will take place on **Tuesday 6th July**. Please note registration is required by **12pm Monday 5th July**.

Due to the current government restrictions and the risks associated with the Covid-19 virus outbreak, the following protocols will be in place for the safety of all attendees on the day:

- No site attendance allowed for people with any light/mild flu-like symptoms, including sneezing, coughing, runny nose, fever. Should people turning up with symptoms, Urbis and TCSA reserve the right to refuse site entry.
- Masks **must** be worn on site at all times.
- 1.5m distance rules **must** be adhered to at all times.
- Every attendee **must** check into the site using the NSW Government Service NSW app for the purposes of contact tracing.
- Attendees must arrive at site via personal transport. We request that no one access the site via public transport to reduce the risk of transmission.
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Urbis understand that individuals may not feel comfortable attending the site under these conditions due to the risks associated with Covid-19. As such, Urbis will provide a summary letter of the site visit to all RAPs with the opportunity to provide comment following the site visit to ensure that those who do not feel comfortable attending are still provided with the opportunity to be involved.

Please let us know if you have any questions or comments.

Kind regards

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E mwalker@urbis.com.au

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--

Lowanna Gibson
Project Manager for Butucarbin Cultural Heritage Assessments
B.A Archaeology/Anthropology USYD
Juris Doctor UTS

Meggan Walker

From: lilly carroll <didgengunawalclan@yahoo.com.au>
Sent: Friday, 2 July 2021 11:00 AM
To: Meggan Walker
Subject: Fw: Taronga Wildlife Hospital ACHA - Site Visit EOI - our Ref P0031212
Attachments: 01_P0031212_TarongaWildlifeHospital_SiteVisitEOI.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi meggan

Dnc would like to register interest into site visit at
Taronga wildlife hospital

Kind regards DNC
Paul Boyd & Lilly carroll
0426823944

[Sent from Yahoo Mail on Android](#)

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Wyfrngx\$evrke\$[nmijs\$wtnepeGLE\$Wmi\$nm\$SM\$y\$Wij\$4475656\$

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Please let us know if you have any questions or comments.

Kind regards

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au

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Meggan Walker

From: philip khan <philipkhan.acn@live.com.au>
Sent: Sunday, 4 July 2021 3:38 PM
To: Meggan Walker
Subject: Re: Taronga Wildlife Hospital ACHA - Site Visit EOI - our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

As per our conversation please lock kadibulla in to attend.

Thanks
Stefanie

Get [Outlook for Android](#)

From: Meggan Walker <mwalker@urbis.com.au>
Sent: Friday, July 2, 2021 10:41:15 AM
To: Balazs Hansel <bhansel@urbis.com.au>; Alexandra Ribeny <aribeny@urbis.com.au>
Subject: Taronga Wildlife Hospital ACHA - Site Visit EOI - our Ref P0031212

Hello All,

Please see the attached invitation to register for the site visit at Taronga Wildlife Hospital which will take place on **Tuesday 6th July**. Please note registration is required by **12pm Monday 5th July**. Due to the current government restrictions and the risks associated with the Covid-19 virus outbreak, the following protocols will be in place for the safety of all attendees on the day:

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Please let us know if you have any questions or comments.

Kind regards

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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Meggan Walker

From: Darleen Johnson <murrabidgeemullangari@yahoo.com.au>
Sent: Friday, 2 July 2021 11:36 AM
To: Meggan Walker
Subject: Re: Taronga Wildlife Hospital ACHA - Site Visit EOI - our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,
We will be available.
Thanks
Ryan

On Friday, 2 July 2021, 11:23:38 am AEST, Meggan Walker <mwalker@urbis.com.au> wrote:

Hello All,

Please see the attached invitation to register for the site visit at Taronga Wildlife Hospital which will take place on **Tuesday 6th July**. Please note registration is required by **12pm Monday 5th July**.

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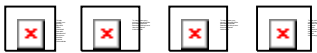
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Please let us know if you have any questions or comments.

Kind regards

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au



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Meggan Walker

From: Ginninderra Aboriginal Corporation <ginninderra.corp@gmail.com>
Sent: Monday, 5 July 2021 3:11 PM
To: Meggan Walker
Subject: Re: Taronga Wildlife Hospital ACHA - Site Visit EOI - our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

I hope you are well.

I'm sorry for the late reply, totally slipped my mind.

I'm currently home with the kids on lockdown/school holidays. I'd love to come to the meeting but I don't have anyone to watch them with the current restrictions.

Definitely would like to be involved in any future meetings/excavations etc.

Kind regards,

Krystle Carroll-Elliott
Ginninderra Aboriginal Corporation

 We acknowledge the Traditional Owners of Country throughout Australia and recognise their connection to land, water, and community.

We pay our respects to them, their cultures, and to Elders past and present.

On 2 Jul 2021, at 10:41 am, Meggan Walker <mwalker@urbis.com.au> wrote:

Hello All,

Please see the attached invitation to register for the site visit at Taronga Wildlife Hospital which will take place on **Tuesday 6th July**. Please note registration is required by **12pm Monday 5th July**. Due to the current government restrictions and the risks associated with the Covid-19 virus outbreak, the following protocols will be in place for the safety of all attendees on the day:

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Kind regards

MEGGAN WALKER

CONSULTANT

<image001.gif>

D +61 2 8233 7626

E mwalker@urbis.com.au

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<image004.png><image006.png><image008.png><image010.png>

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<01_P0031212_TarongaWildlifeHospital_SiteVisitEOI.pdf>

15 July 2021

Dear All,

TARONGA WILDLIFE HOSPITAL SYDNEY - SITE VISIT SUMMARY

1. BACKGROUND

Thank you to all those who attended the site visit at Taronga Zoo for the Taronga Wildlife Hospital, Sydney project today on behalf of the Taronga Conservation Society Australia (TCSA) (the Proponent). Furthermore, thank you to those who did not attend today due to feeling unwell, in accordance with Covid-19 protocols. We appreciate your efforts in keeping everyone safe.

We understand that due to the current Covid-19 situation not everyone was willing or able to attend today. This letter is provided to serve as a summary of the site visit.

1.1. PROPOSED WORKS

The proposed works include the demolition of existing back of house facilities and reptile house and construction of a new nutrition centre and wildlife hospital, with the reptile house animals to be relocated to the new Reptile and Amphibian Conservation Centre (RACC).

Additional works proposed as part of the Taronga Wildlife Hospital Sydney will include the following:

- Areas for vet and vet nurse presentations and areas available for Back of House tours;
- Display of wildlife care/veterinary activities in operation;
- Interpretive signage, installations and call to action activations;
- Fire, water and electrical services, Heating, Ventilating, and Air Conditioning (HVAC) for guests and animals;
- Adequate staff areas including offices, meeting/lunch space, bathrooms;
- Integration and improvement to Taronga Zoo's guest circulation in alignment with Masterplan circulation network allowing for improved connections with the Institute of Science and Learning;
- Training and education spaces;
- Demolition of existing assets including the Serpentaria Reptile Exhibit built in 1993;
- Enabling works directly related as well as required to clear/prepare the site; and
- Installation of sea water supply and return infrastructure, including associated remediation works.



Figure 1 – Concept Site Plan

2. SITE VISIT

The site visit involved an overview of the project location and proposed works, followed by a walk over of the subject area and a discussion of the site conditions. The site visits were conducted individually in 1 hour (maximum) blocks due to Covid-19 protocols and requirements. The site visit was attended by the following:

- Kadibulla Khan, Kamilaroi Yankuntjatjara Working Group.
- Kody Mcutchen King, MurraBidgeeMullangari.
- Joleen Smith, Didge Ngunawal Clan.

For the purposes of discussion, the subject area has been divided into three main areas, as follows:

- The back of house facilities.
- The existing reptile house (Serpentaria, c.1993).
- The natural vegetation area.

The remaining area to the south east was not inspected as no works are proposed.

In general, the site visit was restricted to pathways to avoid risk from animal enclosures.

The site visit concluded that the Wildlife Hospital and elevated footpath were the most appropriate place for any interpretation materials as they will be public facing areas, while the back of house facilities will be restricted access only.



Figure 2 – Site plan. Subject area indicated in red. Back of house area indicated in pink, reptile house indicated in blue and natural vegetation area indicated in yellow.

2.1. BACK OF HOUSE AREA

This area is towards the north west of the site and comprised existing back of house facilities. In general, it was concluded that the area is highly disturbed, with land modification evident through the construction of buildings, as well as services and disturbance through the impact of previous facilities including the incinerator known to have existed on the site. The entirety of this area was covered by buildings or asphalt and so no in-depth survey of the ground surface was possible, as Ground Surface Visibility (GSV) was 0%.

The site visit and assessment concluded that this area is likely highly disturbed and contaminated, with no further works determined to be necessary in this area. This conclusion was broadly supported by RAPs on site. One group (Kamilaroi Yankuntjatjara Working Group) did express a desire for monitoring to occur as a last resort in this area. This is not considered necessary from the archaeological context due to the high disturbance, but will be discussed with the TCSA further throughout the process. Test excavation was not deemed necessary due to the high potential of contaminants and the low potential for Aboriginal archaeological resources to occur.

There are therefore no further Aboriginal archaeological works proposed for this area at this stage, and works can proceed as required.



Figure 3 –General view, back of house area, with services evident. Aspect: north.



Figure 4 – Building cut into modified landscape. Aspect: south.



Figure 5 – Back of house facility. Aspect: south west.



Figure 6 – Back of house facility. aspect: south.

2.2. EXISTING REPTILE HOUSE (SERPENTARIA, C.1993)

The existing reptile house area is down-slope from the back of house area. The footprint of the existing building is highly disturbed, with the construction of present facilities likely resulting in the removal of natural soils. The entirety of the area is currently covered by the reptile house facilities and so no in-depth survey of the ground surface was possible as GSV was 0%. The site visit and assessment concluded that this area is likely highly disturbed, with no further works determined to be necessary in this area. This conclusion was supported by RAPs on site.

There are therefore no further Aboriginal archaeological works proposed for this area at this stage, and works can proceed as required.



Figure 7 – Rear of existing reptile house with services evident. Aspect: south.



Figure 8 – Existing reptile house with excavated enclosure. Aspect: west.

2.3. NATURAL VEGETATION AREA

This area comprised the portion of vegetation to the south east of the back of house area and east of the reptile house. This area comprises one of the only remnant natural vegetation areas left within the Taronga Zoo grounds. This area includes bushland vegetation and sandstone outcrops and platforms. No overhangs suitable for habitation were identified.

The archaeological assessment has identified this area to be of high archaeological potential. The only works proposed in this area include the removal of intrusive elements (mock rock and exhibits), the construction of an elevated walkway, and potentially the demolition of the existing Koala Walkabout (subject to built heritage approval). Small non-intrusive exhibits may also be placed in areas of existing exhibits subject to detailed design. In previous meetings with RAPs (Dennis Foley – Taronga Aboriginal Advisory Committee Chairperson), the sandstone outcrops were identified as culturally significant, with the crevices of the outcrops identified as a space where spirits may live.

The site visit concluded that this portion of the subject area represents one of the only intact landscape areas across the Zoo and is of cultural significance. As such, the following is recommended for this area:

- No major works are to occur in this area and rock platforms are to be avoided.
- Inspection of the rock platforms should occur once the area is made safe (exhibits decommissioned and access restricted) to identify any potential markings which could then form part of an interpretation plan for the site.
- The elevated footpath is highly supported to allow visitors to immerse themselves in the natural environment. This should be supported by interpretation plaques across the footpath which detail the Aboriginal history of the area as well as providing information on native vegetation. An interpretation strategy should be developed in conjunction with the Taronga Aboriginal Advisory Committee (TAAG).
- Monitoring of the footing installation should occur for the elevated footpath.



Figure 9 – Natural sandstone with mock rock intrusion (to be removed). Aspect: north.



Figure 10 – Natural sandstone ledge to the north of Crocodile enclosure. Aspect: east.



Figure 11 – Rock outcrops and unmodified vegetation. Aspect: west.



Figure 12 – Rock outcrops and unmodified vegetation, with Koala Walkabout footpath to right of frame (proposed for demolition). Aspect: north.

3. CONCLUSIONS & RECOMMENDATIONS

The site visit has therefore concluded that Aboriginal archaeological potential is low across the majority of the subject area owing to extensive disturbance from previous and existing facilities. This is with the exception of the natural vegetation area which retains both Aboriginal archaeological potential and cultural significance. The specific recommendations for the natural vegetation area as discussed in Section 0 will be incorporated into the Aboriginal Cultural Heritage Assessment, with a further recommendation that works may proceed in the remainder of the site, subject to an Unexpected Finds Procedure and Aboriginal Cultural Heritage Induction. Exploration of interpretation opportunities in conjunction with the TAAG will also form a recommendation of the report.

Should you have any further comments regarding the site following the review of this summary, please provide in writing to Meggan Walker (details below) by **COB 22nd July 2021**, to ensure they can be included in our report. Comments received after this time may not be included in the Draft ACHA, to be supplied in Stage 4 of the process.

Contact details:

Meggan Walker

mwalker@urbis.com.au

Urbis, Consultant Archaeologist

Level 8/123 Pitt Street, Sydney, 2000

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker", with a stylized flourish at the end.

Meggan Walker

Consultant

+61 2 8233 7626

mwalker@urbis.com.au

Meggan Walker

From: Meggan Walker
Sent: Thursday, 15 July 2021 10:31 AM
To: Balazs Hansel
Subject: Taronga Wildlife Hospital Sydney - ACHA - Site Survey Summary Letter - Our Ref P0031212
Attachments: 02_P0031212_SiteVisitSummary_WildlifeHospital.pdf

Hello all,

Thank you to those who were able to attend the site survey for our project at Taronga Zoo Sydney for the development of the new Taronga Wildlife Hospital.

Understanding the extenuating circumstances surrounding Covid-19 currently, we appreciate many were not able to attend due to health concerns or the need to care for family. As such, please find attached a letter providing a summary of the site visit, with recommendations to be included in the ACHA.

Please let us know if you have any additional comments in writing and preferably by response email, by **COB 22nd July 2021**.

Thank you for your assistance in this project to date and we hope you are all staying safe & well.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au

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Meggan Walker

From: philip khan <philipkhan.acn@live.com.au>
Sent: Friday, 23 July 2021 11:11 AM
To: Meggan Walker
Subject: Re: Taronga Wildlife Hospital Sydney - ACHA - Site Survey Summary Letter - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi,

Here at KYWG we aim to conserve and protect cultural heritage, we have over 50 years of knowledge of the area. We have lived and worked in the area in this time frame, so we have firsthand knowledge when it comes to our cultural heritage. We have a spiritual connection to the land, sky, and water ways as they hold our stories.

We would like to agree to your recommendations, and we also would like to support your report. We look forward to working with you on this project soon.

Kind Regards

Kadibulla Khan



From: Meggan Walker <mwalker@urbis.com.au>
Sent: Thursday, 15 July 2021 10:31 AM
To: Balazs Hansel <bhansel@urbis.com.au>
Subject: Taronga Wildlife Hospital Sydney - ACHA - Site Survey Summary Letter - Our Ref P0031212

Hello all,

Thank you to those who were able to attend the site survey for our project at Taronga Zoo Sydney for the development of the new Taronga Wildlife Hospital.

Understanding the extenuating circumstances surrounding Covid-19 currently, we appreciate many were not able to attend due to health concerns or the need to care for family. As such, please find attached a letter providing a summary of the site visit, with recommendations to be included in the ACHA.

Please let us know if you have any additional comments in writing and preferably by response email, by **COB 22nd July 2021**.

Thank you for your assistance in this project to date and we hope you are all staying safe & well.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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From: [Meggan Walker](#)
To: [Wade Goldwyer](#)
Subject: FW: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212
Date: Friday, 19 November 2021 10:23:19 AM
Attachments: [FB8CA923A1274C1DA0EBAB488C4106E8.png](#)
[49F8E49DD199462B85EE14FDA7CCC685.png](#)
[F507F87FCDF4570BABBF5E9D2FED07.png](#)
[FCCF8E53988F4046B0455FAD4CC3A125.png](#)
[8F6942CACHED941B485EF524217F78D20.png](#)
[D1BD168C62FF475F841E6E29511E6A27.png](#)
[image004.png](#)
[image011.png](#)
[image012.png](#)
[image019.png](#)
[image020.png](#)
[image021.png](#)
[image022.png](#)

MEGGAN WALKER she/her/hers
CONSULTANT
D +61 2 8233 7626
E mwalker@urbis.com.au



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It's time to unwind.

Like many communities, the lockdowns in NSW and VIC have been a challenge for our own.

On Monday 1 November and Monday 6 December our #cityshaper offices in Melbourne, Geelong, Sydney and Parramatta will close so that our teams can relax, unwind and enjoy a long weekend

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From: Philip Khan <philipkhan.acn@live.com.au>
Sent: Monday, 1 November 2021 3:44 PM
To: Meggan Walker <mwalker@urbis.com.au>
Subject: RE: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212

Hi Meggan,

As per our conversation I agree with your recommendations as mentioned on the phone verbally.

Kind Regards
Kadi Khan



Sent from [Mail](#) for Windows 10

From: [Meggan Walker](#)

Sent: Friday, 15 October 2021 12:41 PM

To: [Brigitte Bradley](#); [Balazs Hansel](#); [Wade Goldwyer](#)

Cc: [P0031212 Taronga Zoo \(Wildlife Hospital\)](#)

Subject: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212

Hello all,

This email serves as an update to the ongoing consultation process for the Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre ACHA. This ACHA is being undertaken on behalf of the Taronga Conservation Society of Australia (TCSA, the Proponent) to support the Environmental Impact Statement (EIS) for the State Significant Development Application (SSDA), SSD-17655146.

Since the site survey for this project, further design development has occurred which has resulted in the division of the project into two separate projects – being the Wildlife Hospital Nutrition Centre as Project 1, and the Wildlife Hospital as Project 2 (indicated in Figure 2 below). A request has been submitted to the Department of Planning, Industry and Environment (DPIE) to amend the Secretary's Environmental Assessment Requirements (SEARs) for SSD-17655146 to divide the project on this basis, with the Nutrition Centre to remain under SSD-17655146, and new SEARs requested for the Wildlife Hospital site. No additional area is proposed as part of either SSDA, with the same footprint retained.

The Wildlife Hospital Nutrition Centre SSDA is intended to be lodged with DPIE in the coming months, with the Wildlife Hospital SSDA put on hold while the design is developed.



Figure 2 – Location of the subject area, with the purple polygon indicating the Nutrition Centre SSDA area, and the pink polygon indicating the Wildlife Hospital SSDA area.

The Letter attached provides further details on this update. If you could please review and provide any comments by COB 29TH October 2021, we would be appreciative. I will be in touch with you all next week to discuss and clarify should you have any questions.

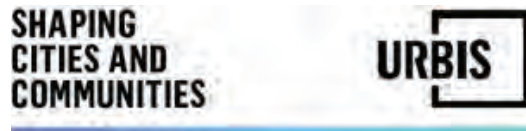
Kind regards,

MEGGAN WALKER

CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au



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STAGE 4 – REVIEW OF DRAFT ACHAR

From: [Wade Goldwyer](#)
Cc: [Meggan Walker](#)
Bcc: [nmoran@metrolalc.org.au](#); [cazadirect@live.com](#); [diddgengunawalclan@yahoo.com.au](#); [ginninderra.corp@gmail.com](#); [waarlan12@outlook.com](#); [ngambaaculturalconnections@hotmail.com](#); [Dennis.Foley@canberra.edu.au](#); [butuheritage@gmail.com](#); [murrabidgeemullangari@yahoo.com.au](#); [gulagachts@gmail.com](#); [goobahchts@gmail.com](#); [philip.khan](#)
Subject: Taronga Zoo Wildlife Hospital - Aboriginal Cultural Heritage Assessment Report - Stage 4 Draft Review (Urbis Ref# P0031212)
Date: Wednesday, 13 July 2022 10:32:00 AM
Attachments: [02_P31212_TaronqaZoo_WildlifeHospital_ACHA_RAP_Review_Redacted.pdf](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Good afternoon,

Thank you again for registering your interest in the above project.

In accordance with Stage 4 of the consultation process for the Aboriginal Cultural Heritage Assessment (ACHA), attached is the draft Aboriginal Cultural Heritage Assessment Report (ACHAR) for your consideration and comment.

Please provide any comments in relation to the draft ACHAR by **10 August 2022** to:

Meggan Walker
Senior Consultant, Archaeology
Urbis Pty Ltd
Level 8, 123 Pitt Street, Sydney, 2000
E: mwalker@urbis.com.au
P: +61 2 8233 7626

If you have any questions, please let us know.

We look forward to hearing from you.

Kind regards

WADE GOLDWYER
CONSULTANT
D +61 2 8233 9956
E wgoldwyer@urbis.com.au

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Wade Goldwyer

From: Professor Dennis Foley <dennis.foley@carranggel.com>
Sent: Thursday, 4 August 2022 10:30 AM
To: Meggan Walker; Wade Goldwyer
Subject: RE: Taronga Zoo Wildlife Hospital - Aboriginal Cultural HeritageAssessment Report - Stage 4 Draft Review (Urbis Ref# P0031212)
Attachments: image001.gif; image002.png; image003.png; image004.png; image005.png; image006.png
Follow Up Flag: Follow up
Flag Status: Flagged

Dear Megan

[REDACTED]

[REDACTED]

Kind regards

Dennis

Dennis Foley PhD; MBA; B. Business; Ass. Dip. Management/Accounting.

Professor of Indigenous Entrepreneurship,
Management and First Nation Australian Issues
Principal Car-rang gel Consulting

T +61(0) 409570368

I acknowledge the traditional Aboriginal owners of country throughout Australia,
its islands and territories and pay our respect to them, their culture and their
Elders past, present and future.

From: Dennis.Foley
Sent: Tuesday, 2 August 2022 3:56 PM
To: dennis.foley@carranggel.com
Subject: Fwd: Taronga Zoo Wildlife Hospital - Aboriginal Cultural HeritageAssessment Report - Stage 4 Draft Review (Urbis Ref# P0031212)

Sent from my iPhone

Begin forwarded message:

From: Wade Goldwyer <wgoldwyer@urbis.com.au>
Date: 13 July 2022 at 12:34:31 pm AEST
Cc: Meggan Walker <mwalker@urbis.com.au>

**Subject: Taronga Zoo Wildlife Hospital - Aboriginal Cultural Heritage Assessment Report - Stage 4
Draft Review (Urbis Ref# P0031212)**

Good afternoon,

Thank you again for registering your interest in the above project.

In accordance with Stage 4 of the consultation process for the Aboriginal Cultural Heritage Assessment (ACHA), attached is the draft Aboriginal Cultural Heritage Assessment Report (ACHAR) for your consideration and comment.

Please provide any comments in relation to the draft ACHAR by **10 August 2022** to:

Meggan Walker
Senior Consultant, Archaeology
Urbis Pty Ltd
Level 8, 123 Pitt Street, Sydney, 2000
E: mwalker@urbis.com.au
P: +61 2 8233 7626

If you have any questions, please let us know.

We look forward to hearing from you.

Kind regards

WADE GOLDWYER
CONSULTANT

D +61 2 8233 9956
E wgoldwyer@urbis.com.au

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Wade Goldwyer

From: Darleen Johnson <murrabidgeemullangari@yahoo.com.au>
Sent: Thursday, 14 July 2022 11:30 AM
To: Wade Goldwyer
Subject: Re: Taronga Zoo Wildlife Hospital - Aboriginal Cultural Heritage Assessment Report - Stage 4 Draft Review (Urbis Ref# P0031212)

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Wade,
I have read the project information and ACHAR for the above project, I endorse the recommendations made.
Kind regards
Ryan Johnson
0475565517

On Wednesday, 13 July 2022 at 12:33:32 pm AEST, Wade Goldwyer <wgoldwyer@urbis.com.au> wrote:

Good afternoon,

Thank you again for registering your interest in the above project.

In accordance with Stage 4 of the consultation process for the Aboriginal Cultural Heritage Assessment (ACHA), attached is the draft Aboriginal Cultural Heritage Assessment Report (ACHAR) for your consideration and comment.

Please provide any comments in relation to the draft ACHAR by **10 August 2022** to:

Meggan Walker
Senior Consultant, Archaeology
Urbis Pty Ltd
Level 8, 123 Pitt Street, Sydney, 2000
E: mwalker@urbis.com.au
P: +61 2 8233 7626

If you have any questions, please let us know.

We look forward to hearing from you.

Kind regards
WADE GOLDWYER
CONSULTANT

D +61 2 8233 9956
E wgoldwyer@urbis.com.au

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APPENDIX D

CONSULTATION LOG

Date	Time	Type	Contacted	Contacted Individual	Contacted by	Contacted by Individual	Subject	Reply	Follow-up needed?	Person actioned	Comment	
Stage 1 Agency notice												
	3/02/2021 10:15am	Email	NNTT	N/A	Urbis	Meggan Walker (MW)	Native Title Search		N/A	MW	websearch also completed	
	4/02/2021 4:36pm	Email	Urbis	MW	NNTT	Geospatial Services	Native Title Search	Freehold land responses requested by 16/02/21	N/A	MW	N/A	
	8/02/2021 1:26pm	Email	Mosman Council, MLALC, NTSCorp, ORALRA, HeritageNSW, GSLLS	N/A	Urbis	MW	Stage 1.2 Agency Letters	contact the lalc	N/A	MW	N/A	
	10/02/2021 12:16pm	Email	Urbis	MW	ORALRA	NA	Stage 1.2 Agency Letters	n/a	N/A	MW	N/A	
	18/02/2021 9:53pm	Email	Urbis	MW	DPC	Paul Houston	DPC Letter stakeholders	responses requested by 10/03/21	N/A	MW	N/A	
	22/02/2021 4:48pm	Email	all 44 identified potential RAPS	N/A	Urbis	MW	Invitation to Register		N/A	MW	3 sent by express mail	
	24/02/2021 NA					Public notice published - KooriMail - Responses by10/03/2021						
	23/02/2021 10am-1pm	in person		site visit - Urbis + Dennis Foley				discussed in report	N/A	N/A	MW	N/A
Stage 1 RAP notice/advertisement												
	22/02/2021 4:50pm	Email	Urbis	MW	DNC	Paul Boyd and Lilly Carroll	Registered for the project	contact person Paul or Jolene Smith	N/A	MW	N/A	
	23/02/2021 2:46pm	Email	Dennis Foley	N/A	Urbis	MW	following up on comments made on site visit	N/A	N/A	MW	N/A	
	22/02/2021 11:13pm	Email	Urbis	MW	A1 Indigenous Services	Carolyn Hickey	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	23/02/2021 11:02am	Email	Urbis	MW	Ginninderra Aboriginal Corp	Krystle Carroll-Elliott	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	23/02/2021 11:53am	Email	Urbis	MW	KYWG	Phil Khan	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	23/02/2021 9:03pm	Email	Urbis	MW	Wailwan Aboriginal Group	Phillip Boney	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	24/02/2021 2:34pm	Email	Urbis	MW	Murrabidgee Mullangari	Ryan Johnson	Registered for project	acknowledged	N/A	MW	Registered for both	
	26/02/2021 11:04am	Email	Urbis	MW	Ngambaa	Kaarina Slater	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	4/03/2021 8:16pm	Email	Urbis	MW	Gulaga	Wendy Smith	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	5/03/2021 12:08pm	Email	Urbis	MW	Goobah	Basil Smith	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	10/03/2021 5:00pm	stage 1 registration closed										
	11/03/2021 2:21am	Email	Urbis	MW	Butucarbin	Jennifer Beale	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	14/03/2021 10:28pm	Email	Urbis	MW	A1 Indigenous Services	Carolyn Hickey	Registered for the project	filed and acknowledged	N/A	MW	N/A	
	24/05/2021 2:38pm	Email	DPC/LALC	N/A	Urbis	MW	Stage 1.6 list of RAPS	N/A	N/A	MW	N/A	
Stage 2 and 3												
	7/06/2021 10:15am	Email	All RAPS	N/A	Urbis	MW	Stage 2 and 3		N/A	MW	N/A	
	8/06/2021 7:57pm	Email	Urbis	MW	Gulaga	Wendy Smith	Stage 2 and 3 response - "received"	filed and acknowledged	N/A	MW	N/A	
	23/06/2021 10:40am	Email	Urbis	MW	KYWG	Kadi Khan	Stage 2 & 3 response - see report	filed and acknowledged	N/A	MW	N/A	
	2/07/2021 10:41am	Email	All RAPS	N/A	Urbis	MW	Invitation to Site visit	N/A	N/A	MW	N/A	
	2/07/2021 11:00am	Email	Urbis	MW	DNC	Lilly Carroll	confirmed attendance	filed and acknowledged	N/A	MW	N/A	
	2/07/2021 11:36am	Email	Urbis	MW	Murrabidgee Mullangari	Ryan Johnson	confirmed attendance	filed and acknowledged	N/A	MW	N/A	
	4/07/2021 3:38pm	Email	Urbis	MW	KYWG	Stefeanie Khan	confirmed attendance	filed and acknowledged	N/A	MW	N/A	
	5/07/2021 4:01am	Email	Urbis	MW	Butucarbin	Lowanna Gibson	confirmed attendance	filed and acknowledged	N/A	MW	N/A	
	5/07/2021 3:11pm	Email	Urbis	MW	Ginninderra Aboriginal Corp	Krystle Carroll-Elliott	declined attendance	filed and acknowledged	N/A	MW	N/A	
	15/07/2021 10:30am	Email	All RAPS	N/A	Urbis	MW	site survey summary letter	response by 22nd july	N/A	MW	N/A	
	23/07/2021 11:11am	Email	Urbis	MW	KYWG	Kadi Khan	survey letter response - see report	filed	N/A	MW	N/A	
Stage 4												
	15/10/2021 12:41pm	Email	All RAPS	N/A	URBIS	MW	Project update	ACHA being split into 2	N/A	MW	N/A	
	18/10/2021 12:55pm	Email	Urbis	MW	Murrabidgee Mullangari	Darleen Johnson	Project Update	Acknowledge and endorsed	N/A	MW	N/A	
	19/10/2021 4:23pm	Email	Urbis	MW	Gulaga	Wendy Smith	Project update	Acknowledged	N/A	MW	N/A	
	21/10/2021 5:07pm	Email	Urbis	MW	DNC	Lilly Carroll	Project update	Acknowledged and accepted	N/A	MW	N/A	
	22/10/2021 4:32pm	Phone	MLALC	N/A	Urbis	MW	Project update	No answer - voicemail left	N/A	MW	N/A	
	22/10/2021 4:35pm	Phone	Goobah	Basil Smith	Urbis	MW	Project update	Call couldn't be connected	N/A	MW	N/A	
	25/10/2021 10:08am	Phone	TAAG	Dennis Foley	Urbis	MW	Project update	No answer	N/A	MW	N/A	
	25/10/2021 10:09am	Phone	Butucarbin	Lowanna Gibson	Urbis	MW	Project Update	answer - not Lowanna - will call back	N/A	MW	N/A	
	25/10/2021 10:13am	Phone	Wailwan	Phil Boney	Urbis	MW	Project update	No answer - no voicemail	N/A	MW	N/A	
	25/10/2021 10:15am	Phone	Ngambaa	Kaarina Slater	Urbis	MW	Project Update	Answer - no comments - will reply to Email	N/A	MW	N/A	
	25/10/2021 10:18am	Phone	A1	Carolyn Hickey	Urbis	MW	Project Update	A1 supports	N/A	MW	N/A	

25/10/2021 10:20am	Phone	Urbis	MW	TAAG	Dennis Foley	Project Update	Dennis in support as long			
25/10/2021 10:26am	Phone	Ginninderra Aboriginal Corp	Crystle Carroll	Urbis	MW	Project update	as footprint not changing	N/A	MW	N/A
25/10/2021 11:33am	Phone	KYWG	Kadibulla Khan	Urbis	MW	Project Update	No answer	N/A	MW	N/A
							Answered - No issues- will			
							respond via Email	N/A	MW	N/A
							As per our conversation I			
							agree with your			
							recommendations as			
1/11/2021 3:44pm	Email	Urbis	MW	KYWG	Kadibulla Khan	Project Update	mentioned on the Phone		WG	N/A
							verbally.	N/A		
							Sent through draft ACHA			
13/07/2022 12:32pm	Email	All RAPs	N/A	Urbis	WG	Draft ACHA	with cut off date for			
							feedback being 10 August			
							2022.	Yes	WG	N/A
14/07/2022 1:30pm	Email	Urbis	WG	Murrabidgee Mullangari	Darleen Johnson	Draft ACHA Response	Supports			
							recommendations of	No	WG	N/A
							Supports			
4/08/2022 10:30am	Email	Urbis	WG	TAAG	Dennis Foley	Draft ACHA Response	recommendations of			
							ACHA	No	WG	N/A

