

16NEW0055

Tuesday, 2 April 2019

Holly Taylor  
Senior Planning Assessment Officer  
Cessnock City Council  
PO Box 152  
Cessnock NSW 2325

**Re: DA 8/2018/102/1 & DA 8/2018/539/1  
Lot 1131 Deposited Plan 1057179  
Response to Council: Consolidation of Applications**

Reference is made to correspondence received from Cessnock City Council on 6 March 2019, following the meeting held at Council on 25 February 2019. During this meeting, Council detailed the complexity in the assessment process related to the two existing development applications, being:

- DA 8/2018/102/1 – Stage 1 (Site Clearing & Concept Plan), and
- DA 8/2018/539/1 – Stage 2 (Industrial Subdivision & Site Remediation).

Therefore, the purpose of this correspondence is to provide a response to each recommendation provided by Council, in order to move forward with the assessment.

Recommendation	Response
Modifying the description of the application to remove the staged component, include vegetation removal and update any references included on supporting documentation accordingly.	Refer to Annexure A.
Submitting accompanying documentation lodged under DA 8/2018/102 (e.g. Aboriginal Heritage Cultural Assessment Report), for consideration under this amended application.	Refer to Annexure B.
Granting permission for Council to transfer matters raise by external referral bodies to a single application.	Permission granted.
Re-advertising the application	Noted.

If you have any questions relating to the content of this response, please do not hesitate to contact the undersigned.

Kind regards,



**Liam Buxton** BSc (Hons), MURP, MPIA  
Project Planner

## **Annexure A**

Barr Property and Planning (2019). Addendum to Development Application.





16NEW0055

Monday, 25 March 2019

Holly Taylor  
Senior Planning Assessment Officer  
Cessnock City Council  
PO Box 152  
Cessnock NSW 2325

Dear Holly,

**Re: Consolidation of DA 8/2018/102/1 & DA 8/2018/539/1  
Environmental Impact Statement Addendum  
Proposed Lot 1 in the Subdivision of Lot 1131 Deposited Plan 1057179**

Reference is made to the Environmental Impact Statement ('EIS') prepared by Barr Property and Planning, which accompanied the development application (DA 8/2018/539/1) lodged with Cessnock City Council on 22 August 2018. A meeting was held on 25 February 2019 between Cessnock Council and the Applicant to discuss the consolidation of the two stages of the concept development application, which is currently under assessment by Council, being:

- DA 8/2018/102/1 – Stage 1 (Site Clearing & Concept Development), and
- DA 8/2018/539/1 – Stage 2 (Industrial Subdivision & Site Remediation).

The intention of this letter is to provide an addendum to the EIS to accurately reflect the revised proposal, as a result of the consolidation of the concept development application. Each section of the EIS has been reviewed and amended where relevant to consolidate the application. Consequently, this letter should be read in conjunction with the EIS, to ensure the consolidated proposal addresses the statutory criteria contained under s.4.15 of the Environmental Planning and Assessment Act 1979

The result of the amendments to the EIS is that the application will be assessed as on its merits and not in conjunction with the stage 1 development application, in particular the EIS will now include the assessment to clear the site and to consider aboriginal heritage impact which was previously contained in stage 1.

If you have any questions relating to the content of this response, please do not hesitate to contact the undersigned.

Kind regards,



**Liam Buxton** BSc (Hons), MURP, MPIA  
Project Planner

## Addendum to EIS

### Section 1 – Introduction

*Revise Introduction (pg.12) to reflect the following:*

Barr Property and Planning has been engaged by Broaden Management Pty Ltd to prepare an Environmental Impact Statement (EIS) and associated Development Application (DA) documentation in support of an industrial subdivision, including land remediation and vegetation clearing on Proposed Lot 1 in the subdivision of Lot 1131 in Deposited Plan 1057179...

### Section 2 – Site Context

*Reference to the subject site (pg.18) to be interpreted as the following:*

The subject land, is known as Proposed Lot 1 in the subdivision of Lot 1131 DP1057179.

### Section 2.2 – Site Description

*Reference to the subject site (pg.20) to be interpreted as the following:*

The subject site is identified as Proposed Lot 1 in the subdivision of Lot 1131 DP1057179, and comprises a single parcel of land of approximately 218.13 hectares.

### Section 3 – Description of the Development

*Revised proposal summary (pg. 26) to reflect the following:*

The proposed development seeks consent for the resubdivision of Proposed Lot 1 in the subdivision of Lot 1131 DP1057179, to create 39 light industrial lots and 1 environmental conservation lot; to be delivered in six stages. Additionally, the proposal includes the remediation of the site and removal of vegetation to ensure that the site is suitable for future occupation for industrial use.

### Section 3.10 – Vegetation Removal

*Insert the following section after section 3.9 (pg.29):*

The proposal seeks to remove all the vegetation present within the IN2 Light Industrial zoned land and a minor portion in the E2 Environmental Conservation zoned land; to facilitate the construction of the western access handle.

The clearing will be undertaken in stages as identified in the table below. The stages for clearing will allow those stages to be cleared separately, allowing the clearing of the site to be undertaken gradually in accordance with the ongoing development of the site.

Item	Spotted Gum Ironbark Forest Clearing Area (ha)	General Clearing (ha)	Total Area (ha)
Road A	11.43	9.50	20.94
Road B	0.03	0.96	0.99
Road C	0.80	0.19	0.99
Road D	0.75	0.43	1.18
Road E	0.37	0.80	1.17
Infrastructure A	0.46	0.61	1.07
Infrastructure B	0.31	0.23	0.54
Infrastructure C	0.54	0.00	0.54
Infrastructure D	0.97	0.46	1.43
Infrastructure E	3.39	2.12	5.50



Infrastructure F	0.23	1.26	1.49
Infrastructure G	0.00	0.21	0.21
Infrastructure H	0.25	0.62	0.87
Infrastructure I	0.00	0.45	0.45
Infrastructure J	0.27	0.58	0.85
Buffer A	1.71	3.84	5.55
Buffer B	2.76	3.70	6.46
Buffer C	0.10	2.73	2.83
Buffer D	0.09	3.17	3.26
Buffer E	2.02	1.58	3.60
Buffer F	2.28	0.74	3.02
Buffer G	0.55	1.34	1.89
Stage A	3.69	5.28	8.97
Stage B	6.29	11.28	17.57
Stage C	2.06	4.79	6.85
Stage D	4.76	6.60	11.36
Stage E	1.55	1.18	2.72
Stage F	2.11	14.97	17.08
Stage G	15.37	8.44	23.80
Stage H	2.36	3.86	6.22
Stage I	1.79	3.03	4.83
Stage J	4.85	7.49	12.34
<b>Total</b>	<b>74.25</b>	<b>102.32</b>	<b>176.57</b>

The purpose of the identified areas on the staging plan is to allow the site to be cleared progressively and to only clear the land that is required for that stage. For example, for stage 1, this would require the stage to be cleared, allow the creation of a suitable temporary asset protection zone and clear the land as required to deliver infrastructure to that particular stage, such as sewer, water and electricity.

### Section 6.1 – Approval Pathway

*Remove the reference to concept development application (pg. 48).*

### Section 6.5 – Biodiversity Conservation Act 2016

*Replace from 'All vegetation, including any threatened...' with the following (pg.52):*

All vegetation, including any threatened species will be removed as part of the proposal in accordance with the clearing plan. All impacts with respect to Biodiversity were investigated as part of the Biodiversity Assessment Report, prepared by MJD Environmental. It is not anticipated that the proposal will significantly affect threatened species beyond what has already been investigated and assessed. That said, pursuant to the SEARs, the proposal has been assessed in accordance with the Biodiversity Assessment Method (BAM) with all findings discussed in section 7.3.

### Section 6.8.3 – Concept Development Application

*Remove this section from EIS (pg. 56).*

### Section 6.8.5 – Integrated Development

*Insert the following integrated referral requirement for the following approval (pg.57):*

- Section 100B of the Rural Fires Act 1997



#### Section 6.8.5.6 – Rural Fires Act 1997

*Insert this section following section 6.8.5.5 (pg. 58):*

The site is mapped to be bushfire prone land under the Cessnock LEP 2011. The proposed subdivision includes an allotment, which could be used for residential development, being the E2 Environmental Conservation lot. It will be considered integrated development under s.100B of the *Rural Fires Act 1997* and will require approval from the NSW Rural Fires Service.

#### Section 6.8.6.7 – SEPP (Vegetation in Non-Rural Areas) 2017

*Insert letter from MJD Environmental.*

#### Section 7.3 – Biodiversity

*Insert the following classification of vegetation under section 7.3 (pg.83):*

Vegetation occurs in various conditions classes, including areas of derived native grassland. Vegetation zones were classified based on the ‘best fit; vegetation types listed within the NSW Vegetation Information System (‘VIS’) database. Parameters used to select the best fit Vegetation Type included over-storey and understorey floristics, soil landscapes, location and topographic position.

*Insert the following impact analysis under section 7.3.1 (pg. 84) for vegetation removal:*

Prior to the consideration of impact avoidance and minimisation strategies, the proposed development would result in the clearance of an estimated 77.33 hectares of native vegetation cover. The proposed development may contribute to a number of Key Threatening Processes (KTP). Those considered relevant to the proposed vegetation removal are discussed below:

- Invasion, establishment and spread of lantana: Lands disturbed by the proposed development may result in localised improvement in habitat values for Lantana. However, the proposal is unlikely to propagate these impacts as appropriate soil and water management procedures would be included in the construction and operation phases of the development. As a result, it is considered not likely that the proposal would aid the spread of *Lantana camara* within adjoining native vegetation.
- Anthropogenic climate change: the proposal will contribute to ‘Human Caused Climate Change’ through the loss of native vegetation cover (*i.e.* loss of carbon storage in vegetation).

*Insert the following mitigation measures in section 7.3.2 (pg. 85):*

Mitigation measures are included within the BDAR prepared by MJD Environmental, to minimise the potential for direct/ indirect impacts on flora and fauna. The impact minimisation measures identified for consideration are:

- Use perimeter roads and fencing to minimise edge effects on native vegetation located outside the site boundary,
- Implementation of weed management regimes before and during development to prevent the movement of weeds into adjoining vegetation,
- Use of sediment and erosion control measures complimentary to weed management activities, and
- Integration of vegetated corridors.

It is important to note that the applicant has opted into the biodiversity offset scheme with Cessnock City Council to satisfy the matter relating to the biodiversity impact assessment, as well as determine the level of conservation liability to inform environmental development contributions contained under the existing planning agreement.

#### Section 7.4 – Bushfire Assessment

*Remove reference to concept development, specifically: Stage 1 - Vegetation Removal (pg. 85).*



## Section 9.2 – Social and Economic Impacts

*Insert the following economic and social impact under section 9.2 (pg.122):*

The proposed site clearing will facilitate the future development of the site for light industrial purposes. The development of the site for industrial use will result in a positive economic impact for the locality.

## Section 9.5 – Suitability of the Site

*Insert the following summary under section 9.5, before ‘the proposed development is consistent with...’ (pg. 126):*

Although the proposal includes the removal of vegetation, significant assessment have been conducted to ensure that the proposal is appropriately offset, in accordance with the Biodiversity Assessment Methodology (‘BAM’). The proposed site clearing is consistent with key development standards and planning controls, with the exception to the removal of identified endangered ecological communities. Extensive impact investigation has been conducted to ensure an appropriate offset mechanism is in place to mitigate any detrimental impact to the identified threatened species.

## Section 10 – Conclusion

*Insert the following conclusion under section 10, prior to ‘This EIS in association with the prepared...’ (pg. 128):*

The proposed site clearing includes the removal of the Spotted Gum – Red Ironbark that is identified as an endangered ecological community under the *Biodiversity Conservation Act 2016*. To ensure that there is no serious or irreversible harm, significant assessment has been conducted to guarantee that the proposal is appropriately offset.



## **Annexure B**

RPS (2019). Aboriginal Cultural Heritage Assessment Report.



## Aboriginal Cultural Heritage Assessment Report Cover Sheet

### Report Title

Lot 1131 DP 1057179 John Renshaw Drive, Black Hill NSW: Aboriginal Cultural Heritage Assessment and Archaeological Test Excavation Report

### Author(s) Name

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Suburb: Black Hill State: NSW Postcode: 2322

Title Reference:

Local Government Area: Cessnock LGA

Other:

### Report prepared for

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17/01/2019

### Date of Report

### Use of Report/ Confidentiality

No confidential information is included in this report. However it is noted that the report contains details relating to locations of registered Aboriginal heritage sites within and near the Project Area that may be considered confidential information by RAPs – no specific confidentiality has been identified by RAPs.

This report is not confidential except as expressly stated:

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### Indemnity

*AByrne*

16 JANUARY 2018

# Lot 11 DP 1057179 John Renshaw Drive, Black Hill NSW

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Aboriginal Cultural Heritage Assessment and Archaeological  
Test Excavation Report



## Document status

Version	Purpose of document	Authored by	Reviewed by	Review date
1.0	Internal Review	K. Grant	A. Byrne	19/10/2018
1.1	Draft for Client Review	K. Grant	A. Byrne	22/10/2018
2.0	Final	A. Byrne	A. Byrne	16/01/2019

## Approval for issue

Name	Signature	Date
Alex Byrne		16/01/2018

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<b>Date:</b>	16 January 2018		

# Aboriginal Cultural Heritage Assessment Report Checklist

Within this Aboriginal Cultural Heritage Assessment Report		Section
1	<b>Restricted information (Guide Section 3.1)</b>	1.5
2	<b>Confidentiality information (Guide Appendix D)</b>	1.5
3	<b>Copyright (Guide Appendix D)</b>	1.5
	<ul style="list-style-type: none"> <li>Signed indemnity on AHIMS Heritage Report Cover Sheet</li> </ul>	Cover sheet
4	<b>Description of proposed activity (Guide Section 3.2)</b>	1.2
5	<b>Indicate the proposed term of the AHIP (Guide Section 3.2)</b>	1.5
6	<b>Description of the area where the proposed activities are to be undertaken, the subject of this AHIP application including exclusion areas and maps (Guide 2.2.1, 3.1.2, 3.2)</b>	1.1, Figure 1.1, Appendix D
	<ul style="list-style-type: none"> <li>Property name, street address, cadastre information such as Lot and DP, local government area, parish and zone, subject of this AHIP application and any exclusion areas</li> </ul>	Section 1.1, Appendix D
	<ul style="list-style-type: none"> <li>Described the environment/landscape relevant to the proposed activity including topography and geology</li> </ul>	Section 4
	<ul style="list-style-type: none"> <li>Included a topographic map clearly showing the location of the land that is the subject of this AHIP application and any exclusion areas and development boundary. Map should include clear cadastre information including a Lot and DP number, the local government area, parish and zone (as applicable)</li> </ul>	Appendix D
7	<b>Description and identification of Aboriginal objects and AHIMS sites (Guide Sections 2, 2.2.2, 2.2.3, 3.1, 3.2, Appendix C)</b>	Appendix C, Figure 5.1
	<ul style="list-style-type: none"> <li>Map of heritage values present and the elements in the landscape associated with those values</li> </ul>	Figure 5.1
	<ul style="list-style-type: none"> <li>Described Aboriginal people's past and/or current use of the land, relevant to the activity and the surrounding areas</li> </ul>	Section 5, Section 5.4
	<ul style="list-style-type: none"> <li>Included AHIMS site numbers</li> </ul>	Figure 5.1, Section 5.4
8	<b>Details of other applications for AHIPs within the area which is the subject of this AHIP application (Guide Section 3.2)</b>	
	<ul style="list-style-type: none"> <li>Indicated whether any other AHIPS have been issued or refused relating to the area subject to this AHIP application</li> </ul>	<i>The proponent is not aware of any other AHIP applications or existing AHIPS for the Project Area</i>
	<ul style="list-style-type: none"> <li>Included AHIP number and status</li> </ul>	NA
9	<b>Details of the consultation process (Guide Sections 1.4, 2.3, 3.2)</b>	Section 3
	<ul style="list-style-type: none"> <li>Provided a description of the consultation process conducted and how it meets the requirements set out in clause 80C of the National Parks and Wildlife Regulation 2009 / <i>Aboriginal Cultural Heritage Consultation Requirements for Proponents</i>. Identify where compliance has not been possible and provide associated documentation such as letters and advertisements</li> </ul>	Section 3.1, Section 3.2

Within this Aboriginal Cultural Heritage Assessment Report		Section
	<ul style="list-style-type: none"> <li>• Provided a list of registered Aboriginal parties</li> </ul>	Section 3.2
	<ul style="list-style-type: none"> <li>• Included copies of submissions received, issues raised and our responses.</li> </ul>	Appendix B
10	<b>Statement of significance of the cultural heritage values (Guide Sections 2.4 and 3.2)</b>	Section 9, Section 9.1
11	<b>Description of the actual or likely harm (Guide Sections 2.5 and 3.2)</b>	Section 10
12	<b>Description of the measures to avoid harm (Guide Sections 2.6 and 3.2)</b>	Section 11
13	<b>Description of the measures to minimise harm including (Guide Sections 2.5, 2.7, 3.2):</b>	Section 11
	<ul style="list-style-type: none"> <li>• Justified the measures chosen to minimise harm, including an explanation of all alternatives considered and why they were or were not included in the final proposal</li> </ul>	Section 11.1
	<ul style="list-style-type: none"> <li>• Shown how ecologically sustainable development principles have been considered</li> </ul>	Section 11.1
	<ul style="list-style-type: none"> <li>• Describe how cumulative harm has been considered</li> </ul>	Section 11.1
14	<b>Information about what the applicant intends to do with salvaged and/or collected objects</b>	Section 11.3

# Executive Summary

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Broaden Management PTY LTD has engaged RPS to prepare an archaeological assessment for Black Hill (the Project Area). The purpose of the archaeological assessment is to provide additional information about the archaeological or scientific significance of the Project Area to inform the Aboriginal Cultural Heritage Assessment Report (ACHAR). This archaeological assessment would be included as an appendix to that ACHAR, which integrates cultural information gathered through the consultation process. The recommendations of this report are consistent with those provided in Section 4.0 of the ACHAR.

RPS has prepared this report in accordance with the *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011) (the Guide), the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (the Code of Practice) (DECCW [now OEH] 2010) and the *Aboriginal cultural heritage consultation requirements for proponents 2010* (the Consultation Requirements) (DECCW 2010).

In 2013, RPS prepared an Aboriginal Heritage Due Diligence Assessment for the original planning proposal for the same site. This assessment identified two registered Aboriginal Heritage Information Management System (AHIMS) sites within the project area boundary and identified an additional three archaeologically sensitive areas during the site inspection. Of these, the two sites, AHIMS 38-4-1289 (artefact(s) unspecified) and 38-4-1290 (isolated find) are located within the IN2 Light Industrial Zoned land. The archaeologically sensitive areas are located within the land zoned E2 and E4.

This archaeological assessment details the results of an archaeological survey and test excavation program undertaken in the Project Area from 6 to 18 September 2018. The archaeological survey found the Project Area to have been highly disturbed. Three areas were proposed as surveyed units of possible sub surface cultural heritage interest.

The test excavation program focused on three survey unit areas. A total of 59 test pits were excavated across the Project Area. Only one artefact was retrieved from one of the test pits (SU1 TP5). The artefact was a banded chert flake. The artefact was retrieved near to the surface and it is likely that they were washed down the slope from a high area.

The proposed vegetation clearance will require the use of machinery to remove tree stumps from the ground, thereby resulting in ground surface disturbance. It is considered that the locations of the registered sites contain some subsurface archaeological potential, as A horizon soils remain intact in some areas.

Prior to the commencement of vegetation clearance within survey units 1, 2 and 3, test excavation was undertaken as detailed in Section 6 below. These survey units included:

- Slope above AHIMS 38-4-1742
- AHIMS 38-4-1289
- AHIMS 38-4-1290
- AHIMS 38-4-1688
- Area adjacent to AHIMS 38-4-1687
- Potential archaeological sensitivity area

The testing program determined the nature of the archaeological deposits or lack thereof. Based on the results of the archaeological survey and test excavation program, the area encompassing Lot 1131, DP1057179 John Renshaw Drive, Black Hill, NSW is considered to be of low archaeological significance.

RPS provides the following recommendations in relation to the proposed activities to be undertaken in the Project Area. The recommendations have been formulated in consideration of the conclusions of this report and in accordance with the NPW Act.

**Recommendation 1**

Based on the results of the sample archaeological survey, test excavation and stakeholder consultation, sites AHIMS # 38-4-1289, 38-4-1290 and 38-4-1688 are assessed to have nil archaeological significance and the artefact identified on the slope above 38-4-1742 was assessed to have very low archaeological significance. All the sites are considered to have low cultural significance. No further archaeological investigation of these sites within the Project Area is required.

**Recommendation 2**

Prior to any works proceeding within the Project Area, an AHIP must be obtained for the proposal. This ACHAR should be submitted with an AHIP application to OEH for consideration.

**Recommendation 3**

A site impact recording form should be submitted to AHIMS for the following:

- AHIMS 38-4-1289 – to be submitted for this site to change status to “Not a Site”;
- AHIMS 38-4-1290 – to be submitted for this site to change status to “Not a Site”; and
- AHIMS 38-4-1688– to be submitted for this site to change status to “Not a Site”.

**Recommendation 4**

Management of the Aboriginal object recovered from the test excavation program will be determined during community collection works. Options include those outlined in Section 11.3 of this report.

**Recommendation 5**

All relevant staff should be made aware of their statutory obligations for heritage under the *National Parks and Wildlife Act 1974* and the *Heritage Act 1977*. This should be in the form of a heritage induction on site prior to works.

**Recommendation 6**

If changes are made to the Proposal and work activities that are addressed in this ACHAR, further archaeological and/or cultural heritage assessment may be required.

**Recommendation 7**

An unexpected finds procedure will provide a method to manage potential heritage constraints and unexpected finds during construction works. If suspected Aboriginal objects are identified during construction work should stop immediately and Mindaribba LALC, OEH and an archaeologist contacted to identify and record the objects. This procedure should be made accessible to all on site employees and contractors working within the Project Area via tool box talks and display in break out rooms/ sites offices.

**Recommendation 8**

If any human remains (or suspected human remains) are discovered and/or harmed within the Project Area the proponent must:

- i. Immediately cease all activity at the site;
- ii. Ensure no further harm occurs, secure the area so as to avoid further harm to the remains;
- iii. Notify an archaeologist, the local police and OEH's Environment Line on 131 555 as soon as practicable and provide any available details of the remains and their location; and
- iv. Not recommence any activity at the site unless authorised in writing by OEH.

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## Appendices

Appendix A	Proposal
Appendix B	Aboriginal Community Consultation
Appendix C	AHIMS Extensive Search
Appendix D	Area proposed for AHIP

# 1 Introduction

Broaden Management Pty Ltd has engaged RPS to prepare an Aboriginal Cultural Heritage Report (ACHAR) and archaeological assessment for Black Hill Road, Black Hill NSW (the Project Area). The purpose of the ACHAR is to document the assessment of potential impacts to Aboriginal heritage associated with the proposal and to provide recommendations to avoid or mitigate impact. A key component of the ACHAR is consultation with Aboriginal stakeholders. The purpose of the archaeological assessment is to provide additional information about the archaeological or scientific significance of the Project Area. The archaeological assessment informs the ACHAR and in this case is included as part of this document. Cultural information gathered through the consultation process and presented in the ACHAR.

If necessary, the ACHAR forms part of the application for an Aboriginal Heritage Impact Permit (AHIP). An AHIP is required if the proposal will – directly or indirectly – harm an Aboriginal object, or a declared Aboriginal place. No previous AHIP applications have been lodged for the Project Area.

RPS has prepared this report in accordance with the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011) (the Guide), the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (the Code of Practice) (DECCW [now OEH] 2010) and the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (the Consultation Requirements) (DECCW 2010).

## 1.1 Project Area

The Project Area is located at John Renshaw Drive, Black Hill, in Cessnock Local Government Area (LGA) (Figure 1.1) and is accessible via Black Hill Road. The Project Area is defined as Lot 1131 in Deposited Plan (DP) 1057179, in the parish of Stockrington, County of Northumberland, New South Wales.

The property is bounded to the north by John Renshaw Drive and to the south by Black Hill Road, measuring approximately 2.4 kilometres in length from north to south. It is approximately 1.5 kilometres in width. The Project Area comprises the land zoned “IN2 – Light Industrial” as shown in Figure 1.1. The areas zoned E2 and E4 in the northern and southern portions of the property do not form part of this assessment.

It is located within the boundaries of the Mindaribba Local Aboriginal Land Council (LALC).

## 1.2 Proposal

It is understood that the proposal involves the preparation of a staged development application in accordance with Section 83B of the *Environmental Planning and Assessment Act 1979* for an industrial subdivision. The concept development will be lodged to council in two parts:

Stage 1 – Development Application for Site Clearing (refer to Appendix A). This will include the removal of vegetation within the IN2 industrial zoned land and within the proposed access easement through the E2 zoned land.

Stage 2 – Industrial Subdivision (39 lots) and construction, including:

- Demolition;
- Clearing;
- Cut and fill;
- Earthworks and landscaping;
- Construction of roads;
- Construction of service infrastructure;
- Construction of industrial facilities.

### 1.3 Aims of the ACHAR and Archaeological Assessment

The ACHAR documents the cumulative results of archaeological assessment and consultation with Aboriginal stakeholders. This ACHAR includes:

- Documentation of consultation Aboriginal stakeholders in accordance with the Consultation Requirements (OEH 2010) (Section 3).
- A summary of the environmental context of the Project Area and the results of relevant previous investigations. Previous investigations include archaeological survey and test excavation which were undertaken as part of the current project, in order to determine the nature, extent and context of archaeological deposits within the Project Area (Section 4). The findings of archaeological survey and test excavation are detailed in the archaeological assessment (included as part of this ACHAR – Sections 6,7 and 8).
- Details of identified Aboriginal heritage values within the Project Area, including archaeological and cultural heritage (Sections 3, 4 and 5).
- An assessment of the significance of Aboriginal heritage within the Project Area, including cultural heritage (based on the findings of Aboriginal stakeholder consultation) and archaeological and cultural heritage (Section 9).
- An assessment of impacts associated with the proposal on identified Aboriginal heritage values (Section 10).
- Recommendations for managing and mitigating impact to Aboriginal heritage values (Sections 11 and 12).

The purpose of the archaeological assessment is to inform the ACHAR as detailed above:

- To understand the archaeological potential of the Project Area through subsurface investigation of three identified survey unit areas. Where Aboriginal objects are identified, this assessment aims to characterise the nature and extent of the archaeological deposit and understand the relationship between the site and the wider cultural and archaeological landscape.
- To prepare an archaeological significance assessment for all identified aspects of Aboriginal cultural heritage.
- To assess the impact of the proposal on Aboriginal cultural heritage within the Project Area and avoid, minimise or mitigate those impacts where practicable.
- To develop appropriate management and mitigation measures and provide recommendations to ensure best practice heritage outcomes.

### 1.4 Consultation

RPS undertook consultation in accordance with the Consultation Requirements. The purpose of consultation is to assess the cultural significance of Aboriginal objects, places and landscapes, and to ensure that Aboriginal stakeholders have the opportunity to improve assessment outcomes by:

- Providing relevant information about the cultural significance and values of the Aboriginal object(s) and/or place(s)
- Influencing the design of the method to assess cultural and scientific significance of Aboriginal object(s) and/or place(s)
- Actively contributing to the development of cultural heritage management options and recommendations for any Aboriginal object(s) and/or place(s) within the proposed project area
- Commenting on draft assessment reports before they are submitted by the proponent to OEH.

The results of consultation contribute to the development and implementation of appropriate management and mitigation outcomes. Section 3 of the Aboriginal cultural heritage assessment report documents all consultation in relation to the proposal.

## 1.5 AHIP Application

Where required, the ACHAR will act as supporting documentation for an AHIP application.

### Restricted information

No restricted information is provided within this report.

### Confidentiality

No confidential information is included in this report. However it is noted that the report contains details relating to the locations of registered Aboriginal heritage sites within and near the Project Area that may be considered confidential information by registered Aboriginal parties.

### Copyright

The report was prepared by RPS Australia East Pty Ltd for Barr Property and Planning on behalf of Broadben Management Pty Ltd.

- b. Copyrighting of drawings, reports, specifications calculations and other documents provided by RPS Australia East Pty Ltd in connection with the provision of the Services will remain the property of RPS Australia East Pty Ltd.
- c. Subject to clause (c) below, the Client alone will have an exclusive licence to use the documents referred to in clause (a)
- d. If the Client is in breach of any obligation to make payment to RPS Australia East Pty Ltd, RPS Australia East may revoke the licence referred to in clause (c) and the Client will then cause to be returned to RPS Australia East Pty Ltd all document and all copies of documents referred to in clause (a).

### Details of existing AHIP applications

There are no known applications pending, refused or otherwise associated with AHIMS 38-4-1289; 38-4-1688; 38-4-1290; 38-4-1687 or 38-4-1742.

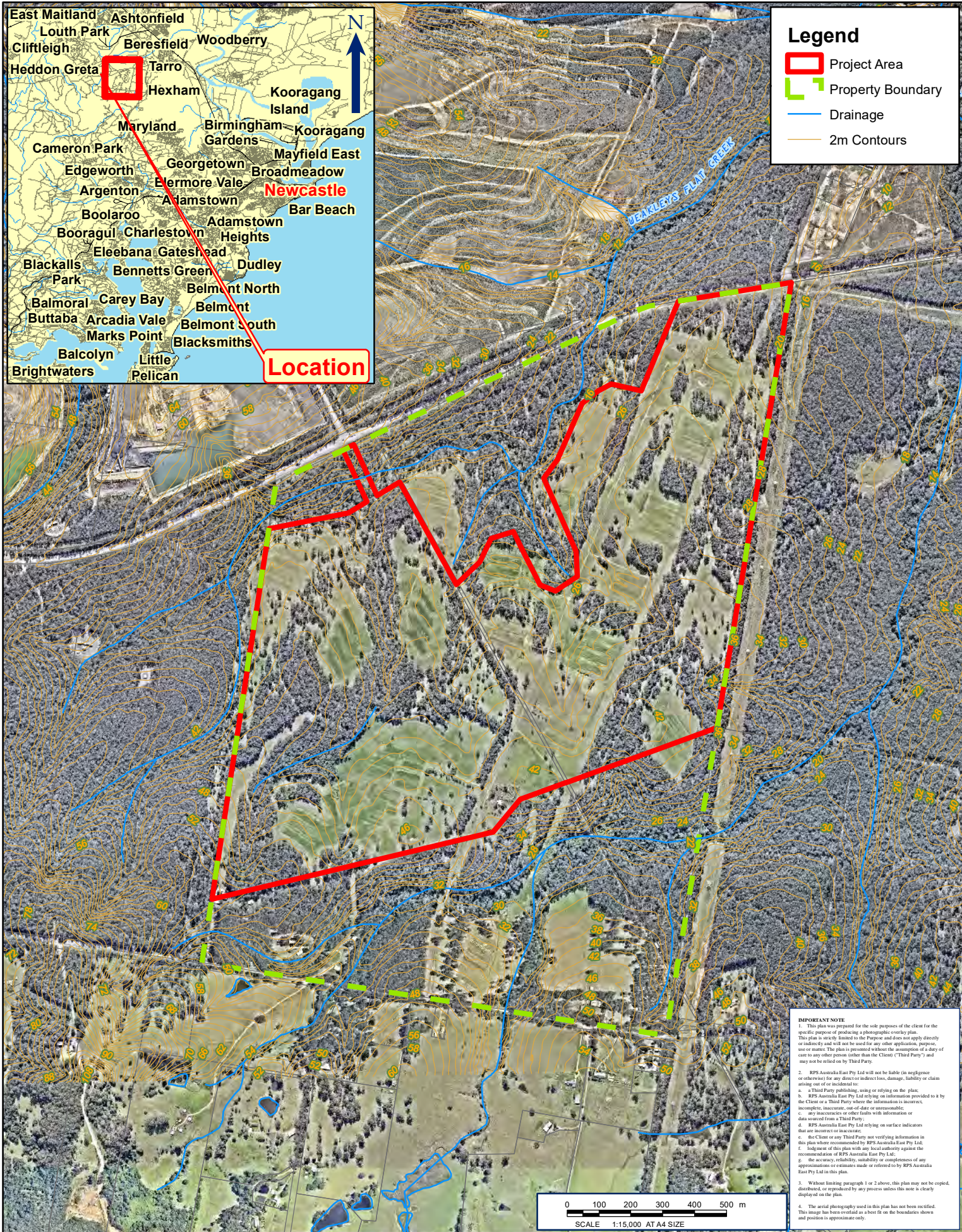
### Proposed AHIP term

The proposed term for the AHIP is ten (10) years.

## 1.6 Authorship and Acknowledgments

This report was prepared by RPS Heritage Consultant, Kerrie Grant and reviewed by RPS Senior Heritage Consultant, Alex Byrne. Technical assistance was provided by RPS Draftsperson, Natalie Wood. The archaeological survey and test excavations were completed by RPS Heritage Consultants Kerrie Grant, Claire Rayner, Laura Cross, Nicola Hirschhorn and Alex Byrne, with representatives of the Registered Aboriginal Parties as listed in Section 3.





**FIGURE 1.1: PROJECT AREA**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: Natalie Wood	Date: 22/10/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## 2 Legislative Context

RPS provides the legislative context of the proposal for information purposes for Broaden Management only; it should not be interpreted as legal advice. RPS will not be liable for any actions taken by any person, body or group as a result of the summary below, recommend that specific legal advice be obtained from a qualified legal practitioner prior to any action being taken as a result of the summary below.

The *National Parks and Wildlife Act 1974 (NPW Act)* is the principal Act providing protection for Aboriginal cultural heritage (objects and places) in NSW. It provides protection for Aboriginal cultural heritage irrespective of the level of archaeological or cultural heritage significance or land tenure. The Office of Environment and Heritage (OEH) is responsible for the administration of the NPW Act.

### 2.1 NSW National Parks and Wildlife Act 1974

The NPW Act provides protection for Aboriginal cultural heritage in NSW. Section 86 of the NPW Act states:

- “A person must not harm or desecrate an object that the person knows is an Aboriginal object”
- “A person must not harm an Aboriginal object”
- “A person must not harm or desecrate an Aboriginal place”

Under the NPW Act, it is an offence to harm an Aboriginal object or place. Harming an Aboriginal object or place may result in a fine of up to \$550,000 for an individual and imprisonment for two years; and in the case of a corporation, a fine of up to \$1.1 million. The fine for a strict liability offence (s86 [2]) is up to \$110,000 for an individual and \$220,000 for a corporation.

Harm under the NPW Act is defined as any act that; destroys defaces or damages the object, moves the object from the land on which it has been situated, causes or permits the object to be harmed. However, it is a defence from prosecution if the proponent can demonstrate 1) that harm was authorised under Section 90 of the NPW Act i.e an AHIP (and that the works were carried out in compliance with the requirements of the AHIP), or 2) that the proponent exercised due diligence in respect to Aboriginal cultural heritage. The due diligence defence states that if a person or company has exercised due diligence, liability from prosecution under the NPW Act will be removed or mitigated if it later transpires that an Aboriginal object was harmed. If an Aboriginal object is identified during the proposed activity, all activity within that area must cease and OEH must be notified (DECCW 2010:13). The due diligence defence does not authorise continuing harm.

Please note that following amendments to the NPW Act in 2010, a permit under section 90 is now the only AHIP available.

#### 2.1.1 Notification of Aboriginal Objects

Under Section 89A of the NPW Act, the proponent must report all Aboriginal objects and places to the Director General of OEH within a reasonable time, unless already recorded on the Aboriginal Heritage Information Management System (AHIMS). Fines of \$11,000 for an individual and \$22,000 for a corporation may apply for each object not reported.

#### 2.1.2 Investigating and assessing Aboriginal cultural heritage

There are a number of procedural publications governing archaeological practice in NSW. The publications relevant to the investigation and assessment of Aboriginal cultural heritage include the *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011) (the Guide), the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (the Code of Practice) (DECCW 2010) and the *Aboriginal cultural heritage consultation requirements for proponents 2010* (the Consultation Requirements) (DECCW 2010).

The Consultation Requirements codify a process for consultation with Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal cultural heritage. The requirements are consistent with the NPW Act and seek, *inter alia*, to conserve Aboriginal objects and places of significance to Aboriginal people. Consultation is therefore a fundamental part of the Aboriginal cultural heritage assessment process.

## 2.2 NSW Heritage Act 1977

The *Heritage Act 1977* (Heritage Act) provides protection for environmental heritage including historic places, structures, relics, moveable objects and landscapes of significance. The Heritage Act also affords protection to Aboriginal places of State heritage significance included on the State Heritage Register (SHR) or subject to an Interim Heritage Order. No Aboriginal places included on the SHR or subject to an Interim Heritage Order are located within the proposal area.

## 2.3 NSW Environmental Planning and Assessment Act 1979

The *Environmental Planning and Assessment Act 1979* (EP&A Act) regulates a system of environmental planning and assessment for New South Wales. Land use planning requires that environmental impacts are considered, including the impact on cultural heritage and specifically Aboriginal heritage. The Act has three main parts of direct relevance to Aboriginal cultural heritage. These include Part 3 which governs the preparation of planning instruments, Part 4 which relates to development assessment process for local government (consent authorities) and Part 5 which relates to activity approvals by governing (determining authorities).

Planning decisions within LGAs are guided by Local Environmental Plans (LEPs). Each LGA is required to develop and maintain an LEP that includes Aboriginal and historical items protected under the EP&A Act, NPW Act and the *Heritage Act 1977*. Under Part 3 Division 4 of the EP&A Act each LGA is required to develop a Development Control Plan (DCP). The main purpose of a DCP is to provide guidance and facilitate developments in adherence with the LEP.

Assessment documents prepared to meet the requirements of the EP&A Act should address Aboriginal heritage, and planning documents such as LEPs typically contain provisions for Aboriginal heritage where relevant.

### 2.3.1 Cessnock Local Environmental Plan 2014

The Cessnock Council Local Environmental Plan (LEP) (2011) requires development consent to demolish, disturb, excavate, or develop land on which an Aboriginal object is located or that is within an Aboriginal place of significance (Part 5; Clause 5.10(2)). Council must consider the effect of a proposal on the significance of an Aboriginal place and any Aboriginal object located at that place. In addition, Council must inform the local Aboriginal community about the application.

### 2.3.2 Newcastle Local Environmental Plan 2012

Due to the proximity of the project area to the Newcastle LGA, the register of heritage items on the Newcastle LEP 2012 was also searched. No Aboriginal places of significance are recorded near the project area in the Newcastle LEP.

## 2.4 NSW Aboriginal Land Rights Act 1983

The purpose of this legislation is to provide land rights for Aboriginal people within NSW and to establish Local Aboriginal Land Councils (LALCs). Under Section 36 of the *Aboriginal Land Rights Act 1983*, a LALC, on behalf of Aboriginal people, is able to claim certain Crown land that:

- i. Is able to be lawfully sold, leased, reserved or dedicated
- ii. Is not lawfully used or occupied

- iii. Will not, or not likely, in the opinion of the Crown Lands minister, be needed for residential purposes
- iv. Will not, or not likely, be needed for public purposes
- v. Does not comprise land under determination by a claim for native title
- vi. Is not the subject of an approved determination under native title

Claims for land are by application to the Office of the Registrar, *Aboriginal Land Rights Act 1983*.

## 2.5 Commonwealth *Native Title Act 1993*

The Commonwealth *Native Title Act 1993* establishes a framework for the protection and recognition of native titles where:

- Aboriginal people have a native title interest to maintain traditional customs and laws.
- Aboriginal people have sustained connection with the land or waters in question
- The native title rights and interests are recognised by the common law of Australia.

The *Native Title Act 1993* establishes processes to determine where native title exists, how future activity affecting upon native title may be undertaken, and to provide compensation where native title is impaired or extinguished. The *Native Title Act 1993* provides Aboriginal people who hold native title rights and interests, or who have made a native title claim, the right to be consulted and in some cases, to participate in decisions about activities proposed to be undertaken on the land.



## 3 Aboriginal Community Consultation

OEH acknowledges that Aboriginal people are the primary determinants of the significance of their heritage. It is acknowledged that Aboriginal people should be involved in the Aboriginal heritage planning process and are the primary source of information about the value of their heritage. This includes the best management and conservation measures for Aboriginal heritage and the way in which their cultural information (particularly sensitive information) is used. Aboriginal community consultation is regarded as an integral part of the process of investigating and assessing Aboriginal cultural heritage (OEH 2011:2).

### 3.1 Aboriginal Cultural Heritage Consultation Requirements

Aboriginal community consultation has been undertaken for this assessment and has followed the Consultation Requirements (DECCW 2010). The Consultation Requirements outline a four stage Aboriginal consultation process and mandate specific timeframes for each stage. The four stages are summarised below. All of the consultation documentation for each stage is included in Appendix B.

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

Stage 1 requires that Aboriginal people who hold cultural information are identified, notified and invited to register an expression of interest in the assessment. This identification process should draw on reasonable sources of information including: the relevant OEH Environment Protection and Regulation Group (EPRG) regional office, the relevant Local Aboriginal Land Council(s) (LALC), the Register of Aboriginal Owners, the Native Title Tribunal, Native Title Services Corporation, local council(s) and the relevant Local Land Services, as well as placing an advertisement in a local newspaper circulating in the general location of the activity. Aboriginal organisations and/or individuals identified should be notified of the activity and invited to register an expression of interest for Aboriginal consultation.

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

The aim of stage 2 is to provide registered Aboriginal parties identified during stage 1 information about the scope of the proposal and the proposed heritage assessment process.

#### 3.1.3 Stage 3 – Gathering information about cultural significance

Stage 3 provides the opportunity for registered Aboriginal parties to recommend culturally appropriate research methodologies for the cultural heritage assessment. At this stage registered stakeholders are invited to provide input to determine the cultural significance of Aboriginal objects and/or places within the Project Area. In turn they are also given the opportunity to have an input into the development of any cultural heritage management options.

#### 3.1.4 Stage 4 – Review of draft cultural heritage assessment report

The final stage of the Consultation Requirements requires all registered Aboriginal stakeholders to be provided with a copy of the draft ACHAR and given 28 days in which to review the document. This stage provides Aboriginal stakeholders with an opportunity to review the ACHAR prior to its submission with the AHIP application. Further cultural information may be gathered at this stage and all comments received are then incorporated into the final report.

### 3.2 Record of Consultation

A full record of all correspondence undertaken for this assessment is included in Appendix B.

In accordance with Stage 1, step 4.1.2, letters requesting the details of any Aboriginal people that may hold cultural knowledge relevant to the Project Area were sent to the following agencies:

- Office of Environment and Heritage Hunter Central Coast Branch,
- Mindaribba Local Aboriginal Land Council (MLALC),
- The Registrar, Aboriginal Land Rights Act 1983,
- The National Native Title Tribunal,
- Native Title Services Corporation Limited,
- Cessnock City Council
- The Hunter Local Land Services.

In accordance with Stage 1, step 4.1.3, a notice was placed in the Maitland Mercury on 18 June 2018 (see Appendix B). Also in accordance with Stage 1, step 4.1.3, Aboriginal people or organisations identified at step 4.1.2 were invited to register for the project. At the completion of Stage 1 of the Consultation Requirements a total of 13 Aboriginal people or organisations were registered for the project. The list of Registered Aboriginal Parties (RAPs) is given in Table 3.1.

**Table 3.1 RAPs at completion of Stage 1 of the Consultation Requirements**

RAP
Stephen Talbott
Didge Ngunawal Clan
Wattaka Wonnarua
Valley ELM Corp
Cacatua Cultural Services
AGA Services
Gidawaa Walang
Wallangan Cultural Services
Lower Hunter Wonnarua Cultural Services
Ungooroo
Mindaribba Local Aboriginal Land Council
Wonnarua Elders Council
DFTV Enterprises

In accordance with Stage 1, step 4.1.6, the names and details of all RAPs for the project were forwarded to DLALC and OEH on 11 July 2018, unless RAPs had specified they did not want their details released.

In accordance with Stage 2 and 3, RPS provided all RAPs with a copy of the methodology on 11 July 2018 and responses were due by 7 August 2018. RPS has incorporated all comments received into this ACHAR (Table 3.2). Aboriginal stakeholders were provided with information about the proposal and the cultural heritage assessment process, including the methodology for collecting information on cultural heritage significance. Following this, the RAPs who responded within the nominated response period, listed in Table 3.3, were invited to attend the archaeological survey and test excavation of the Project Area.

**Table 3.2 Comments on Methodology**

Date received	Organisation	Comment	RPS response
13/07/2018	Didge Ngunawal Clan	Supports the methodology	-
18/07/2018	Cacatua Cultural Services	Supports the methodology	-
18/07/2018	AGA Services	Supports the methodology	-
20/07/2018	Gidawaa Walang	Supports the methodology	-
25/07/2018	Mindaribba LALC	Noted that the wording suggested that excavation could potentially be ceased at 10 cm depth if no artefacts identified in top two spits.	RPS acknowledged error in phrasing and amended methodology.
	Steve Talbott	Preferred test pits to be less than 20 metres apart, more like 10 metres apart.	Noted, and determined that locations of pits may be changed during the test excavation depending on outcomes of pits.
13/08/2018	Kauwul Wonn1	Supports the methodology	-

**Table 3.3 RAPs invited to attend field work**

RAP	Representative/s
Didge Ngunawal Clan	Edward Funaki; Kody McCutcheon
Cacatua Cultural Services	Adam Sampson; George Sampson
AGA Services	Greg Sampson
Gidawaa Walang	Craig Horne
Mindaribba LALC	Jason Brown; Jason Braneley; Phillip Hall
Steve Talbott	Allan Talbott

In accordance with Stage 4, step 4.4.2, a draft copy of this ACHAR was forwarded to all RAPs on Thursday 8 November 2018. RAPs were provided 28 days to review the document and make comments, request alterations or provide additions to this ACHAR. No comments on the cultural significance of the Project Area were received.

As part of the review period of the draft ACHAR all Aboriginal stakeholders were asked to comment on the long term management of the artefact retrieved during the test excavations, however no responses regarding this were received.

## 4 Environmental Context

An understanding of environmental context is important for the interpretation of Aboriginal objects and places. The local environment provided natural resources for Aboriginal people, such as stone (for manufacturing stone tools), plants and animals used for food, clothes and medicines; stone, wood and bark used to construct residential dwellings and; for the manufacture of implements such as shields, spears, canoes, bowls and shelters), as well as landforms suitable for occupation and cultural activities. The nature of Aboriginal occupation and resource procurement is inextricably linked to the local environment and needs to be considered as part of the Aboriginal cultural heritage assessment process.

### 4.1 Geology

Geological formations are relevant to this type of assessment as the nature of a particular formation can be assessed with reference to the stone materials available – certain rock types would be suitable for the manufacture and maintenance of stone artefacts, and others are not.

The Project Area is located on the Permian Tomago Coal Measures, characterised by shale, sandstone, mudstone, tuff and coal. Mudstone and tuff were both suitable materials for the knapping of stone tools and would likely have been available in the form of cobbles or boulders on the ground surface. Sandstone, where it outcropped on the surface near water sources, was often used for the maintenance of tools (Rose et.al. 1966).

Silcrete is also a stone type which occurs commonly in the local area, as shown through studies undertaken at Beresfield (RPS 2009, 2011, 2013, Kuskie 2005, 2008 and South East Archaeology 2004). More information regarding raw stone materials suitable for knapping is provided in Section 5.3.

### 4.2 Soils

An understanding of the soil landscape which characterises the project area is important in order to understand the probability that archaeological deposits, where present, will be in situ or whether they are more likely to occur as surface scatters which have been moved by the effects of erosion. The primary soil landscape in the project area is the Beresfield landscape, which covers the entire property with the exception of a small strip of land adjacent to John Renshaw Drive in the north. This portion of land is characterised by the Shamrock Hill soil landscape. The relevant characteristics of these landscapes are outlined in Table 4.1 and Table 4.2 below. If subsurface Aboriginal objects are present, it is expected that they would be restricted to the topsoils which are up to 30 centimetres in depth.

**Table 4.1 Beresfield Soil Landscape (Matthei 1995:30-33)**

Soil Layer	Characteristics
Be1 – Friable brownish black loam (A1 horizon)	Brownish black sandy loam to loam fine sandy or silt loam; 0-10cm depth.
Be2 – Hard setting dull yellowish brown sandy loam (A2 horizon)	Dull yellowish brown to dark brown, ranges from sandy loam through clay loam to fine sandy clay loam. 10-15cm depth.
Be3 – Pedal brown plastic mottled clay (B2 horizon)	Brown to yellowish brown medium clay, to heavy plastic clay and occasionally fine sandy clay. 15-120cm depth
Be4 – Reddish brown plastic pedal clay (B2, B3 horizon)	Reddish brown medium to heavy plastic clay. 40-85cm depth, occurs directly under be2 or under be3.
Be5 – Gleyed “puggy” silty clay (B2, B3 or C horizon)	Dull yellow orange silty clay, or sandy clay to light medium clay. 85-144cm depth; occurs directly under be2 or under be4.

**Table 4.2 Shamrock Hill Soil Landscape (Matthei 1995: 148-150)**

Soil Layer	Characteristics
Sh1 – Brownish black friable loam (A1 horizon)	Brownish black loam sandy or sandy clay loam. 0-10cm depth.
Sh2 – Bleached, hard setting sandy clay loam (A2 horizon)	Dull yellowish brown sandy clay loam. 10-30cm depth; sometimes directly atop bedrock.
Sh3 – Pedal bright reddish-brown mottled clay (B2 horizon)	Bright reddish brown light-medium to medium clay. 30-70cm depth.
Sh4 – Mottled grey puggy clay (B3/C horizon)	Dull yellow or dull yellow orange silty to medium clay. 70-120cm depth; occurs directly beneath sh2 or beneath sh3.

### 4.3 Topography and Hydrology

The topography of the locality comprises undulating hills and low rises with local relief of 10-50 metres; elevation is 20-50 metres with slope gradients between 3-15% (Matthei 1995:30). The local topography is moderately undulating, which would have allowed ease of movement across the landscape by past Aboriginal people.

Weakleys Flat Creek in the north and Viney Creek in the south would have been permanent sources of freshwater and may have provided other resources including animals and plants, as well as possible sandstone outcrops and cobbles of suitable material for knapping. A number of tributaries of these two creeks run through the project area and would have provided ephemeral sources of freshwater.

### 4.4 Floral and Faunal Resources

Past Aboriginal communities would have likely encountered the vegetation of the Hunter-Macleay Dry Sclerophyll Forest in the Project Area. This community is characterised by open forest dominated by eucalypts which may exceed 40 metres in height, with denser areas dominated by casuarina and melaleuca of up to 20 metres in height (Keith 2006:124-125). The open understorey of this vegetation community includes shrubs such as swamp paperbark, grasses and flowering grasses such as couch, blady grass, sea rush, common reed and tussock sedge.

Plants provided food and raw materials for manufacturing purposes. Wood was used for the manufacture of tools and other implements such as bowls, and bark was also used to form shelters and fashion fishing lines, fish nets and baskets. Sap was used for binding and hafting and as a treatment to add strength to lines and nets (Stewart and Percival 1997).

The Project Area provided habitat for fauna such as kangaroos, echidnas, possums and gliders. Early accounts of 'possum trees' indicate that possum was a major source of food, with other accounts indicating fauna was used for clothing, ornamentation and manufacturing purposes (Barrallier in Attenbrow 2010:71; Attenbrow 2010: 89, 117). Section 5.1 provides additional information regarding uses of flora and fauna by the Wonnarua people in the past.

### 4.5 Land Use

The dominant non-Aboriginal historical land use has been pastoral for livestock grazing, and chicken farming including the construction of large sheds to house the fowl, with several residential structures and other small sheds also scattered around the Project Area. Semi-rural properties occur to the west of the Project Area, with residential and commercial developments to the east.

## 4.6 Summary of Environmental Context

Overview of the environmental context indicates that there would have been an abundance of food resources and water in the broader region, however the Project Area is located some distance from coastal and estuarine resources. The geology of the Project Area suggests that there was no suitable raw material source within the Project Area for the manufacture of artefacts and these would have been sourced elsewhere in the local area.

The potential for subsurface archaeological deposit is related to ground disturbance and the erosion of the soil landscape. The soil landscapes within the Project Area demonstrate moderate potential for subsurface archaeological deposit.

## 5 Ethnohistorical and Archaeological Context

The Aboriginal heritage assessment process requires review of previous archaeological and cultural heritage reports. It is also important that Aboriginal objects are contextualised within the local and regional landscape to inform the assessment of archaeological significance.

### 5.1 Ethnohistorical Context

#### 5.1.1 The Wonnarua People

In the late nineteenth century, a number of writers described the Aboriginal peoples of the Hunter Valley. J. W. Fawcett (Fawcett 1898: 152) described the Wonnah-ruah tribal district as that area drained by the Hunter River and its tributaries, which covered some 2,000 square miles. In 1848 he estimated the population to have numbered between 500-600 peoples and provided details of some of their customs and dialect. Fawcett's population estimate was similar to that reported by Robert Miller (Miller 1886: 352) who quoted an informant from the Hunter River district as estimating the Wonnarua population at around 500 individuals in 1841. Miller also noted that by 1886 the population had severely declined.

The Wonnarua territory was bounded by the Worimi who occupied the estuarine Hunter River and coastal land; the Awabakal who occupied the coastal territory between the Hunter River and Tuggerah lakes; Darkinjung, who occupied land south of Wonnarua; the Gamilaroi to the south west; and the Gewegal to the north west (Moore 1970: 28).

The ethnographic information used to interpret the archaeological record is often biased and may be deeply prejudiced particularly in relation to lifestyle, social practices, community interactions, religion and other facets of Aboriginal life. It is important to recognise this possible bias when using early European accounts which recount the lifestyles of Aboriginal people, particularly in the interpretation of their daily life and beliefs (L'Oste-Brown, Godwin et al. 1998). However, some ethnographic records can provide important information and insight into local Aboriginal customs and material culture evidenced during the early years of European settlement.

Fawcett's description of the Wonnarua tribe who inhabited the Hunter River district suggests that tribal boundaries in the Hunter were well defined and clearly understood. Fawcett suggested that the Wonnarua had "no permanent settlements but roamed about from place to place within their tribal district, in pursuit of game and fish... making use periodically of the same camping grounds, generation after generation..." (Fawcett 1898:152). Fawcett also described the daily work of the men as consisting of "hunting kangaroos, wallabies, and other animals, and the manufacture of weapons" (Fawcett 1898: 152).

#### 5.1.2 Campsites and Shelters

Fawcett (1898:152) described the 'Wonnah-ruah' tribal district as covering the area drained by the Hunter River and its tributaries. His description of preferred campsite localities reflects what is found in the archaeological record:

*Proximity to fresh water was one essential; some food supply a second, whilst a vantage ground in case of attack from an enemy was a third important item.*

Fawcett also described the huts he saw:

*A couple or three forked sticks, a few straight ones and some sheets of bark, stripped from trees growing nearby, supplied the requisites for the construction of their homes. The forked sticks were thrust into the ground, and the straight ones placed horizontally in the forks. The sheets of bark were then set up against the horizontal pole in a slanting position.*



The materials used to construct the campsites and shelters were made from organic matter which is highly unlikely to have been preserved in the archaeological record.

### 5.1.3 Food

#### Implements for Gathering Food and Weapons

Spear, woomera (throwing stick), shield, boomerang (both returning and non-returning), tomahawk or hatchet, flint knife, chip of flint or shell (for skinning animals), club, yam stick for digging, bags (of plaited swamp grass), wooden bowls, fishing nets and bark canoes were all noted by Fawcett (1898) as implements used by the Wonnarua people.

#### Food and Useful Plants

Ethnographic records describe how a variety of roots, including water lily, were roasted and eaten (Miller 1886: 352), and animals including wallaby, kangaroo, bandicoot, kangaroo rat, possum, rat, snakes, reptiles, fish, shellfish, caterpillars, grubs, larvae, and birds were good sources of protein (Fawcett 1898: 152). W. J. Needham (Needham 1981) conducted interviews and research which resulted in a comprehensive study of Aboriginal sites in the Cessnock-Wollombi area. The work mainly centred on the Darkinjung people who occupied the area to the south of the Wonnarua; however, some information is relevant with respect to the Hunter Aboriginal communities. Needham described the *Xanthorrhoea australis* (grass tree) which is found in the Maitland area, as an important resource with a variety of uses including: use of the woody stem for spear shafts; rubbing together two pieces of the dried flower stem to create fire; and use of the gum to seal cracks in canoes and to secure stone tips to hunting spears.

## 5.2 The Post-Contact Phase

The Hunter Valley Region has been subjected to extensive European settlement and land use practices including logging, mining, agricultural grazing, land cultivation and residential developments. The effect of this settlement pattern was devastating to the Wonnarua people, as the encroachment reduced their access to a variety of flora and fauna resources, and movement through some areas was also restricted. These impacts had a detrimental effect on the population which can be monitored through the ethnographic record. Between 1848 and 1886 it is estimated that the local population had declined as a result of European occupation, dropping from around 500-600 people (Fawcett 1898) to as little as 14 by 1867 (Laffan and Cameron 2004: 1). It is possible that although some people had been killed or died from disease, some may have been forced away from this area to either avoid trouble with Europeans, or to find additional sources of food.

## 5.3 Overview of Aboriginal Stone Artefacts

The stone artefacts are the most common Aboriginal material which is identified in archaeological contexts and surface sites. Stone artefacts derive from the process of manufacturing, maintaining or using stone tools. Such stone tools were used for a variety of purposes including woodworking, processing and piercing skins for clothing, cutting and scraping and spear tips.

### 5.3.1 Stone Tool Production

Stone tools are generally manufactured by striking a siliceous or sedimentary piece of material (a core) with another rock (hammerstone) to produce a sharp sliver of stone (flake) (Andrefsky 2000: 9-37). Raw materials for cores are usually derived from a primary rock outcrop or a secondary cobble source. Such sources of raw material will generally be weathered on their outer surfaces, creating a 'rind' which is a different colour or texture to the inner stone material; this outer surface is known as cortex (Whittaker 1994: 17).

Stone tool production and use is a reductive process – stone mass can only be reduced, not added (Shott 2005). Each stage of stone tool manufacture will remove stone mass and stone tool use can also reduce the



size of the stone tool; this process is known as a reduction sequence, and such sequences can be divided into stages which are useful for interpretation. Artefacts with high percentages of cortex are usually associated with initial reduction of the raw material, often referred to as primary production. Artefacts produced during the primary production process also tend to be larger than artefacts produced later in the reduction sequence. Secondary production usually involves the manufacture of tool blanks and artefacts may have some cortex. Tertiary production is the final stage of production and is usually characterised by artefacts with little or no cortex and may have distinctive flakes which derive from the final shaping of the tool.

### 5.3.2 Stone Raw Material Definitions

This refers to the type of rock/stone that an artefact was manufactured from. Definitions of common raw materials are provided below.

**Chalcedony:** a cryptocrystalline silica mineral that usually has a vitreous lustre with a variety of colours depending on the presence of various oxides (Holdaway and Stern 2004: 24).

**Chert:** a fine-grained microcrystalline siliceous sedimentary rock that has been subject to diagenesis with the individual grains invisible to the naked eye (Attenbrow 2010:206).

**Petrified Wood:** the replacement of the organic remains of plant material by siliceous minerals forming fossilized or lithified wood.

**Quartz:** consists almost entirely of silica. It is usually glassy grey or white in colour, but trace amounts of other minerals can cause the rock to be clear, rose, purple, yellow and brown. (Attenbrow 2010:206).

**Quartzite:** an extremely hard, resistant, fine grained to medium grained rock usually comprising over 90% quartz grains. It is formed from quartz sandstone that has been subjected to metamorphic processes. (Attenbrow 2010:206).

**Sedimentary Rocks:** formed from the deposition of accumulated sediment which is then subject to compression and silicification forming lithified rocks (Attenbrow 2010:207). (e.g. mudstone).

**Silcrete:** This rock is formed by the cementation of silicified grains in a matrix of either amorphous, or fine-grained silica (Holdaway and Stern 2004:24).

**Tuff:** is a pyroclastic volcanic rock which is formed by medium to fine grained material such as volcanic ash which has been subject to pressure (Attenbrow 2010:206).

### 5.3.3 Stone Raw Materials Used in the Hunter Valley

The most common raw material types which have been located in Aboriginal sites in the lower Hunter Valley are silcrete, mudstone (also sometimes referred to as silicified tuff) and in some areas, tuff. Chert, quartz, quartzite, silicified sandstone, chalcedony and petrified wood, were also used in the local area to a lesser extent (South East Archaeology 2000).

Archaeological and geological studies in the Hunter Valley have identified various terrestrial and alluvial sources of silcrete, including at Bengalla, Saltwater Creek, Bulga, Lemington, Jerrys Plains, Singleton and terraces along the Hunter River (Koettig and Hughes 1985, Rich 1993, Koettig 1994, Brayshaw, Haglund et al. 1996). Many archaeologists pinpoint the alluvial and terrace gravels of the Hunter River as being the primary source of silcrete procured for manufacturing artefacts in the Hunter Valley (Dean-Jones and Mitchell 1993, South East Archaeology 2000). Mudstones are generally sourced from inter bedded mudstones and sandstones in creek beds and cobbles on creek banks. Volcanic tuffs occur in widespread seams throughout the Hunter Valley and are occasionally exposed in drainage lines or in cliff faces (primary sources), secondary sources of tuff may occur as river cobbles and can be a readily available source of the material (South East Archaeology 2000).

## 5.4 Archaeological Context

### 5.4.1 Aboriginal Heritage Information Management System

A search of the AHIMS database on 14 February 2018 revealed 94 Aboriginal objects within the search parameters:

Datum: GDA 56

Eastings: 367570 to 372772

Northings: 6364485 to 6369384

Buffer: 0 metres

Number of Aboriginal objects: 94

Number of Aboriginal places: 0

Client Service ID: 327978

Of these, three sites are located within the boundaries of the Project Area: AHIMS 38-4-1289; 38-4-1688; 38-4-1290. An additional two sites are located adjacent to the boundary of the Project Area: AHIMS 38-4-1687 and 38-4-1742.

An updated search of the AHIMS database using the same search parameters was completed on 07 August 2018 (Client Service ID 362518) revealed 96 Aboriginal objects. These are tabulated below and provided in Appendix C. There were no sites additional to those listed above within or adjacent to the Project Area.

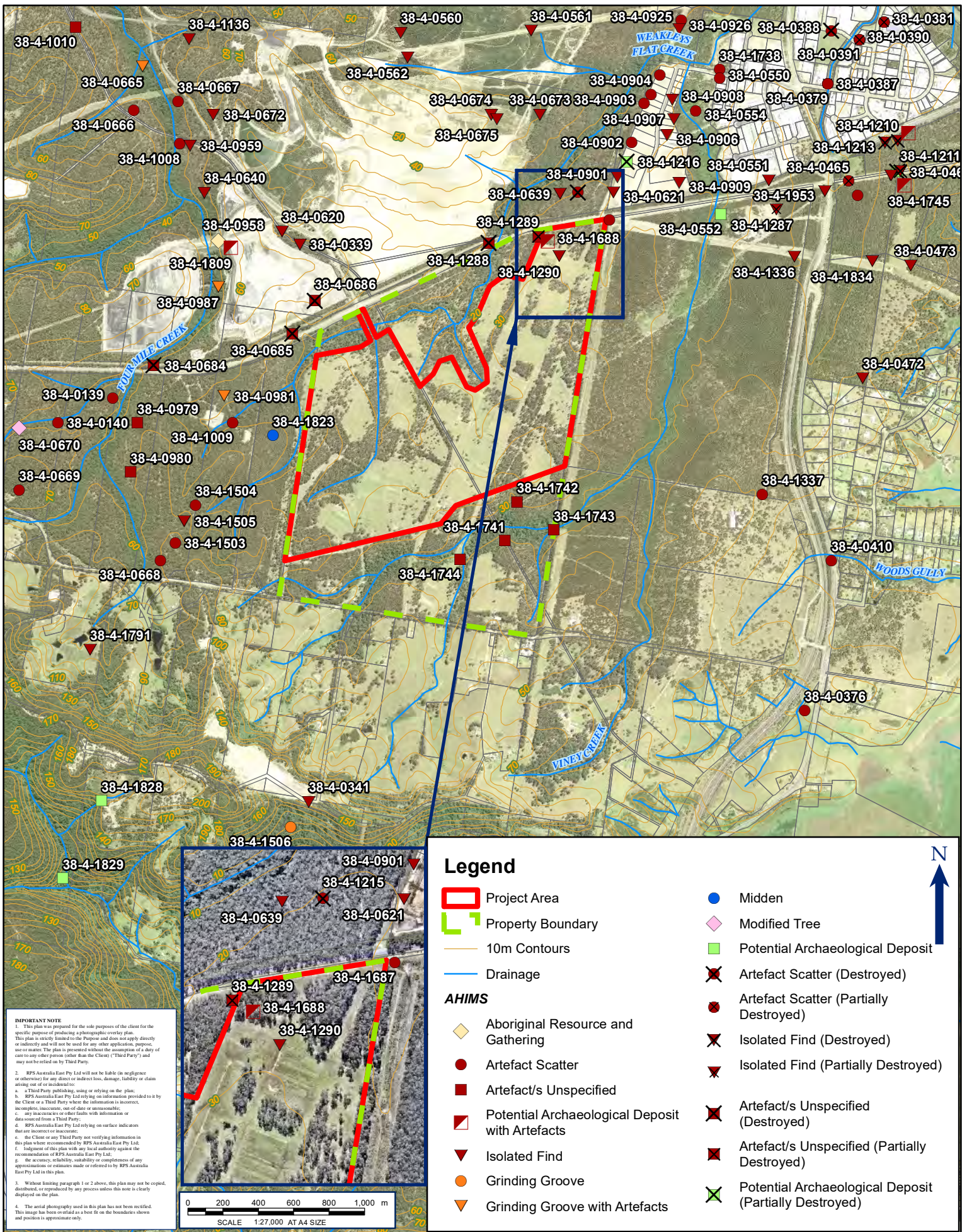
**Table 5.1 Summary of AHIMS within the search parameters**

Site Type	Count	Percent of Total
Isolated find	37	38.54%
Artefact scatter	29	30.21%
Artefact(s) unspecified	15	15.63%
PAD	5	5.21%
PAD with Artefacts	3	3.13%
Grinding Groove with Artefacts	3	3.13%
Grinding Groove	1	1.04%
Midden	1	1.04%
Modified Tree	1	1.04%
Aboriginal Resource and Gathering	1	1.04%
<b>Total</b>	<b>96</b>	<b>100%</b>

**Table 5.2 AHIMS within the Project Area**

38-4-1289 / CTGM3 AT3	Artefact/s unspecified	Partially destroyed	On boundary of project area. Comprises at least four surface artefacts.
38-4-1290 / CTGM4 MC	Isolated find	Valid	Isolated artefact in northern portion of project area.
38-4-1688 / CTGM PAD1 artefacts	Artefact/s unspecified	Valid	Artefact scatter within northern portion of project area. Site card states that artefacts have been collected.
38-4-1742 / AVC13/A	Artefact/s unspecified	Valid	100m south of project area. Comprises surface artefact site.
38-4-1687 / Beresfield WP-AS2 artefacts	Artefact(s) unspecified	Valid	Approximately 20m east of project area. Comprises surface artefact site





**FIGURE 5.1: PROJECT AREA WITH AHIMS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Nearmap
Technician: Natalie Wood	Date: 22/10/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
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**RPS**



## 5.5 Archaeological Literature Review

A review of previous studies undertaken in the area, including archaeological surveys and excavations, is used to establish a better understanding of the archaeological potential of the Project Area.

### Archaeological Survey Assessments in the Local Area

A review of archaeological surveys undertaken in the local area is provided below.

#### **South East Archaeology, 2004, Aboriginal Heritage Impact Assessment of the Proposed Stage 3 Extension to the Freeway Business Park at Beresfield, Hunter Valley, New South Wales**

In 2004, South East Archaeology was approached by Thornton Land Company to conduct an Aboriginal heritage impact assessment of the proposed Stage 3 extension to the Freeway Business Park at Beresfield. The Project Area consisted of Lot 225 DP 1054242, which was approximately 40 hectares in area. The survey was completed in collaboration with the Mindaribba Local Aboriginal Land Council and the Lower Hunter Wonnarua Council Inc groups. The survey of the area was conducted by foot and divided into nine survey areas. The survey identified 11 heritage sites (two of the sites were previously recorded with one just outside the Project Area). These comprised a mixture of isolated artefacts and artefact scatters, (numbering 24 artefacts). The dominant raw material type in the assemblage was silcrete (91%), followed by volcanic tuff (9%).

#### **Kuskie, P., 2005, Aboriginal Heritage Assessment at Beresfield**

In January 2005, Kuskie of South East Archaeology Pty Ltd prepared an Aboriginal Heritage Impact Assessment for the proposed Freeway North Business Park at Beresfield, in the lower Hunter Valley in NSW. The study area applied to Lot 23 DP 532814 and Lot 226 DP 1054242, with an approximate area of 90 hectares. As part of this assessment, Kuskie undertook an archaeological survey of the area that was subdivided and inspected within 17 environmentally discrete survey areas. Eighteen Aboriginal sites were identified during the survey, comprising of 178 artefacts. Artefacts were primarily silcrete (87%) and volcanic tuff (12%) with one quartz artefact also recorded. The recorded assemblage comprised of flakes (38%), cores and core fragments (7%) and flaked fragments (51%). One microblade core was identified, along with six retouched flakes (3%).

Kuskie concluded that Aboriginal occupation of the study area was likely to have been widespread and of low density. This occupation was mostly related to food procurement (hunting, gathering) and/or transitory movement across the landscape. Kuskie also noted that short-term temporary camps may have occurred on the basal slopes and flats bordering Scotch Dairy Creek, Weakleys Flat Creek and Viney Creek.

Based on the results of this assessment and findings from other archaeological recordings in the area, Kuskie found that there was a low to very low potential for evidence of Aboriginal cultural heritage to occur within the study area. The exceptions were stone artefact scatters and stone quarries, based on their potential for exploitation of local silcrete gravels or cobbles. Kuskie divided the study area into two distinct zones of archaeological potential:

- Moderate to highly disturbed elevated erosional landform units. These areas have shallow 'A' unit soils, varying levels of ground disturbance, suggested use for low intensity activities (background discard) and low potential for sub surface deposits, particularly deposits that maybe classed as in situ and/ or of research value (Kuskie 2005:ii); and
- The flats of Scotch Dairy Creek, Weakleys Flat Creek/ Viney Creek. These areas are associated with higher order watercourses. The basal slope portions of the survey contained deeper soils and the potential for more focused activity, such as camp sites, having occurred. These areas have a potential for further heritage evidence in the form of artefact deposits of sufficient integrity to be of possible research value (Kuskie 2008a:ii).

Subsequent to this, Kuskie had prepared a significance assessment of the sites identified during these works. Kuskie noted that all Aboriginal heritage evidence is considered culturally significant by Aboriginal people as it represents a tangible links to their past and to the landscape. Scientific or archaeological significance was also assessed for previously recorded sites. Sites W15/B, W15/C, W15/D, W15/E, W15/F, W18/A, W20/A, W20/B, W21/A, W22/A, W23/A, W23/B, W23/C and W23/D were assessed as being of low archaeological significance within the local context. Site W20/A had low archaeological significance and comprised a relatively high number of artefacts at a relatively high density, within high levels of ground disturbance. Site W22/A had low archaeological significance comprising a moderately high number of artefacts at a moderate to high relative density. Levels of ground disturbance were moderate to high, limiting the potential for subsurface deposits.

Sites W23/E, W23/F, W15/A and W15/G were located on basal slopes bordering higher order watercourses. These sites were assessed as having potentially moderate archaeological significance. Although visible evidence reflected low numbers of artefacts with relatively common stone material and artefact types, it was considered that there was high potential for subsurface deposits of artefacts to occur in the 'A' unit soil. Kuskie predicted that further archaeological investigations of these deposits could possibly determine local settlement patterns, stone artefact manufacturing technology and the organisation of stone production and distribution (Kuskie 2005).

#### **Kuskie, P., 2008, Aboriginal Heritage Assessment at Beresfield**

In 2008a Kuskie of South East Archaeology Pty Ltd prepared an Aboriginal Heritage Impact Assessment for the Proposed Stage 3 Extension to the Freeway Business Park at Beresfield. As part of this assessment Kuskie undertook an archaeological survey of the area within nine discrete survey units. Eleven sites were identified during this survey comprising a total of 23 artefacts. Artefacts were primarily of silcrete (91%) and volcanic tuff (9%). The recorded assemblage comprised flakes (43%), cores and core fragments (30%) and flake portions (26%).

#### **ERM, 2010a, CTGM Stoney Pitch to Beresfield Upgrade**

ERM was commissioned in 2010 by Hunter Water Corporation to prepare an Aboriginal Heritage Assessment for land at Beresfield, NSW. This land was subject to a proposed upgrade of the Beresfield to Stoney Pinch Chichester Trunk Gravity Main. The aim of the AHA was to ascertain whether there were any heritage values associated with the study area that could potentially be affected by the proposed pipeline upgrade, and to provide appropriate mitigation measures for any identified values that may be impacted by the proposed work.

The study area was located parallel to John Renshaw Drive and was approximately 30 metres wide and 3.6 kilometres long. During the archaeological survey, six Aboriginal heritage sites (including one that had been previously registered with AHIMS) were identified within the study area. Additionally, one area of moderate archaeological potential was identified.

The six Aboriginal heritage sites comprised four isolated artefacts and two artefact scatters. Artefacts at these sites included eight artefacts (predominately flakes) and 16 heat shattered objects. Red silcrete was the dominant material, though mudstone and tuff artefacts were also identified. Sites were generally positioned on lower or upper slopes and crests.

An assessment of significance for the six sites concluded that all of the sites had a low to moderate level of archaeological and scientific significance. The Aboriginal social significance of all sites was assessed as high. It was also determined that all of the six sites would be impacted by the proposed works. As such, ERM recommended that Section 90 consent to destroy permits be obtained for five of the sites, and a Section 87 Preliminary Research Permit and Section 90 consent to destroy permit be obtained for one of the artefact scatter sites (WP AS 2) (ERM 2010a).

### ERM, 2010b, Lower Hunter Estates Development – Heritage Impact Assessment

ERM was engaged in 2010 by Catylis Pty Ltd on behalf of Coal and Allied Industries Limited to prepare a Heritage Impact Assessment (HIA) for the Black Hill Employment Lands Site (Black Hill Site) and Tank Paddock Conservation Lands Site (Tank Paddock Site) (ERM 2010b). The aim of the assessment was to consider the Aboriginal and historical archaeology of the area and the potential impacts the proposed development would have on the heritage values and to provide an impact mitigation strategy where needed. The assessment was located on a portion of land between John Renshaw Drive and the F3 Freeway at Black Hill NSW and was an approximate area of 138 hectares. During the field survey, two Aboriginal cultural heritage sites were identified; Black Hill 1 an isolated find and Black Hill 2 an artefact scatter. Additionally, two areas of archaeological potential were identified as low and moderate. The two Aboriginal cultural heritage sites comprised a total of four artefacts. Chert was the dominant raw material identified at the sites.

An assessment of significance for the two sites concluded that they had a low scientific significance and a high cultural significance. The low archaeological potential area had a low scientific significance with the moderate archaeological potential area having a moderate to possibly high scientific significance. Both of these archaeological potential areas were given a high cultural significance. It was determined that both of the sites and areas of archaeological potential had a risk of being impacted by the proposed works. As such, ERM recommended that Community Collection and observation or works take place at the Aboriginal sites. No further archaeological work was recommended in the low archaeological potential area and the moderate potential area recommended having Aboriginal community present during removal of intact soils to identify if cultural material is present and to mitigate further works in the area, where applicable.

### Archaeological Excavations in the Local Area

#### South East Archaeology, 2000, Salvage of Aboriginal Archaeological Sites in Relation to the F3 Freeway near Lenaghans Drive, Black Hill New South Wales

South East Archaeology was commissioned by NSW Roads and Traffic Authority to undertake archaeological salvage excavations of two Aboriginal sites along the route of the proposed freeway at Black Hill, approximately 1.2 kilometres to the east of the current Project Area. Previous investigations had identified the two sites and concluded that they were of high archaeological and cultural value. Both sites, AHIMS 38-4-0376 (Black Hill 2) and 38-4-0410 (Woods Gully) were subsurface deposits of artefacts with surface expressions also identified.

The excavation program comprised an initial phase of testing at each site followed by broad area excavations (phase 2) and finally mechanical surface scrapes (phase 3). A total of 612 test units were excavated (38.25m<sup>2</sup>), three metres apart on a rectangular grid across each site. In the second phase, at Black Hill 2, two open areas were excavated, 7m<sup>2</sup> and 56m<sup>2</sup> area were excavated on a ridge crest; at Woods Gully, an 87m<sup>2</sup> area was excavated adjacent to the watercourse, part of which comprised a narrow trench extending away from the creek up the slope. Following this, a machine removed the grass cover and upper centimetres of soil to identify if significant features such as hearths or heat treatment pits were present; a walkover was undertaken of each area after the machinery was finished removing these upper layers. This resulted in the identification of a number of features that had not been identified during the earlier phases, and several dense artefact concentrations were identified at Black Hill 2 which resulted in an additional 8m<sup>2</sup> of hand excavated pits.

Through the hand excavations and surface scrapes, a total of 37,585 lithic items were identified from 196.25m<sup>2</sup> of hand excavated area and 34,422m<sup>2</sup> of surface scrapes.; including 22,291 identifiable Aboriginal artefacts and 14,664 lithic fragments. The mean density of artefacts per volume with the hand excavations equated to 546.2 artefacts/ m<sup>3</sup> at Black Hill 2 and 209.5 artefacts/ m<sup>3</sup> at Woods Gully. The density varied widely between individual excavation units and spits (from nil up to 23,555 artefacts/ m<sup>3</sup>).

Forty-four categories of artefacts were identified in these assemblages with six basic categories of activities being identified by South East Archaeology: non-specific stone flaking, bipolar flaking, microblade production, backing retouch of microblades, loss or intentional discard of microliths and loss or intentional

discard of non-microlith tools. It was also concluded that production of microblades was the most common specific activity.

Seven different types of stone materials were identified in the excavated assemblages, which were dominated by rhyolitic tuff (70.45%), followed by silcrete (20.4%) which was favoured for making microblades, microliths, eloueras and worimi cleavers in the Hunter Valley during the recent millennia. Other stone materials were: quartz, chalcedony, chert, dacite and sandstone.

South East Archaeology drew a number of conclusions from their archaeological investigation, noting the huge quantity of mostly small debitage produced by knapping microblades and microliths. They postulated that considerable time and effort was put into heat treating silcrete in order to improve the knapping properties of the stone, and perhaps produce symbolically significant colours knapping microblades and microliths and arming spears with the end products. As such, it was considered likely that, due to the apparent lack of concern for the conservation of stone resources, possession of a spear with stone barbs may have had significant social value.

An episode of occupation associated with a stone-lined fireplace at Woods Gully has been radiocarbon dated to  $2,130 \pm 70$  years Before Present (Beta-119475). The Black Hill2 and Woods Gully sites assemblages are dominated by evidence of microblade and microlith technology, suggesting a maximum age of approximately 4,000 years Before Present.

#### **Umwelt, 2005, Assessment and Management of Aboriginal Cultural Heritage Issues, Intersection of Weakleys Drive and New England Highway, Beresfield**

The Umwelt (2005) report details the assessment and management issues for Aboriginal heritage in relation to a proposed interchange at the New England Highway and Weakleys Drive intersection, a link road between Thornton Road and Anderson Drive and a further link between the new road and interchange. Previous works had been undertaken with the Mindaribba LALC, including preliminary reports of surface and subsurface studies and further analysis of stone material. The report incorporates the findings of studies undertaken in 2000 and 2001 (Umwelt 2001) together with a review of landscape and archaeological context. During the preliminary surface survey, no evidence of past Aboriginal occupation of the study area was observed and this was not consistent with archaeological predictions that Aboriginal archaeological material would occur on this low angle foot slope, adjacent to extensive wetland areas. As previous subsurface investigations on similar landforms had yielded moderately dense subsurface scatters, it was determined that the surface survey should be supplemented by subsurface investigations.

Excavation was conducted under Permit N63/PRP/2000. The first phase of subsurface investigation revealed large quantities of stone fragments which were initially interpreted as a large assemblage of stone artefacts (almost all silcrete). But it was determined that a large portion of these silcrete fragments were not artefacts, according to a set of criteria used by Umwelt to analyse them. It was also noted that there were very few cores identified in the assemblage, which would be highly unusual for a suspected quarry area. It was determined, based on the preliminary excavation and analysis, it would not be possible to provide definite conclusions about the nature of the activity in the area. It was agreed that the road alignment in some areas would be altered in order to avoid areas considered to be of heritage significance. Based on criteria incorporating both Aboriginal and scientific significance, Umwelt classified the site as having moderate to high significance, with a scientific classification of moderate and a cultural classification of high. It was recommended that a conservation management plan be implemented for the archaeological sites, including a change in the alignment of part of the road in addition to constructing the road over existing ground surface, with no excavation, thereby leaving archaeological sites in situ.

#### **RPS, 2011, Freeway South Business Park – Aboriginal Cultural Heritage Salvage and Excavation**

In 2011, Hunter Land Holdings approached RPS to conduct a salvage of archaeological sites and grader scrape works for Freeway South Business Park. The project area was north of John Renshaw Drive and incorporated Lot 225, DP 1054242. The excavation was conducted in conjunction with the Mindaribba Local Aboriginal Land Council and the Lower Hunter Wonnarua Council Inc. There were 66 artefacts located while



conducting the surface salvage and a further 16 artefacts were located during the grader scrape works. There was also one cluster of oyster shells located. Manual hand excavations were also conducted.

During these excavations a total of 245 artefacts were collected. The vast majority of the artefacts were made from silcrete. Transversely broken fragments comprised of 55.1% of the total artefacts excavated. The report found that the proximity of the study area to Hexham Swamp was important as it would have provided a rich source of food and other resources.

## 5.6 Synthesis of Ethnohistorical and Archaeological Context

A review of the AHIMS data, survey reports and previous archaeological work in the area suggests that there were raw materials in the local area which were suitable for the manufacture of stone tools, though such resources are not known within the Project Area.

Any Aboriginal cultural heritage evidence is considered culturally significant by Aboriginal people as it represents a tangible link to their past and to the landscape. The AHIMS show that a number of stone artefact sites have been recorded in the extended landscape surrounding the Project Area. Previous studies show that across the local area, sites vary in size and nature from isolated finds on the ground surface to extensive archaeological deposits such as that excavated by South East Archaeology (2000) to the east of the Project Area. However it is also noted that during other studies, Kuskie noted that erosional soil landscapes with shallow A horizon layers, such as that found within the Project Area, were much less likely to contain such extensive deposits. On the basis of the AHIMS results and literature reviews in vicinity of the Project Area, the dominant site type that may be likely to be present are isolated stone artefacts, along with possible low density artefact scatters and subsurface archaeological deposits.

### 5.6.1 Site Predictions

Previous assessments in the vicinity of the Project Area have already identified a number of surface finds associated with specific landforms (elongated low ridgelines along drainage lines), which display higher potential for the presence of material evidence of past human occupation. Four areas have been determined to have archaeological sensitivity within the Project Area, within Survey Units 1, 2 and 3. The test excavations in these four areas may expose evidence of Aboriginal cultural activities in the Project Area and will be utilised to determine the presence or absence of Aboriginal objects.

With reference to the local geology, archaeological context, land use, disturbance and previous subsurface investigations in the region, the following predictive statements have been prepared for the Project Area.

- There is moderate potential for intact archaeological deposits to be located in the Survey Units;
- Due to a high level of erosion and other disturbance resulting from human activity within the Project Area, redeposited artefacts may occur on lower slope landforms where soils may be deeper;
- There are no known raw material sources within the immediate vicinity of the Project Area. Therefore potential subsurface artefact assemblages would likely reflect curation and rationing of raw materials. This would be indicated by the small size of artefacts, low frequency of cortex and absence of cores.

Due to the underlying geology and absence of mature trees, the most likely site type to occur within the Project Area would be low-density stone artefacts.

## 6 Archaeological Survey

In accordance with the Code of Practice, the aims of an archaeological survey are twofold. The first aim of an archaeological survey is to record all (or a representative sample of all) material traces of Aboriginal land use visible on the ground surface or as landscape features. The second aim is to assess subsurface archaeological potential. An archaeological survey was conducted in accordance with the Code of Practice.

### 6.1 Preliminary Assessment

A preliminary assessment was undertaken in accordance with the Code of Practice, with participation from the Mindaribba Local Aboriginal Land Council, and reporting was completed in the form of an archaeological survey report. The visual inspection of the project area was undertaken on Thursday 15 February 2018 by Mindaribba Local Aboriginal Land Council Sites Officer Jason Brown and RPS Senior Heritage Consultant Alex Byrne. The inspection was undertaken on foot and by vehicle, depending upon the level of previous disturbances identified within the property.

The project area was highly disturbed and contained a number of modified landforms as a result of its previous use as a poultry farm. Chicken sheds had previously been erected atop areas where cut and fill processes had been employed to raise and level the land. These operations have now ceased and most buildings on the property have been removed. At present the project area is in use for cattle grazing.

### 6.2 Archaeological Survey Methodology

The project area was divided into survey units based on areas where there were registered sites, and locations where disturbances appeared to have been more limited compared with the rest of the property (see Table 6.1 and Table 6.2). Survey Units 1, 2 and 3 were inspected on foot, while survey unit 4 was inspected by vehicle. The survey units are shown in Figure 6.1.

**Table 6.1 Effective coverage of survey units**

Unit	Landform	Area (m <sup>2</sup> )	Visibility (per cent)	Exposure (per cent)	Effective coverage area (m <sup>2</sup> )	Effective coverage (per cent)
1	Ridgeline	80,486.39	20%	10%	1,609.73	2.00%
2	Ridgeline	101,163.56	30%	30%	9,104.76	9.00%
3	Gully	73,162.98	20%	20%	2,926.52	4.00%
4	Ridgeline	7477	10%	5%	7,555.38	0.50%

**Table 6.2 Effective coverage of landforms**

Landform	Landform area (m <sup>2</sup> )	Effective coverage area	Effective coverage of landform (per cent)	AHIMS sites present	Number of Aboriginal objects
Ridgeline	1,692,726.62	18,269.87	1.10%	3	0
Gully	73,162.98	2,926.52	4.00%	0	0

## 6.3 Survey Results

### 6.3.1 Effective Survey Coverage

#### Survey Unit 1

This Survey Unit was adjacent to the location of registered site AHIMS 38-4-1742 (artefact/s unspecified), located approximately 100 metres to the south of the project area. The Survey Unit comprised a gentle to moderately sloping ridgeline overlooking a third order tributary of Viney Creek. The area was vegetated and included a number of mature ironbark and spotted gum trees (Plate 14.1). These trees were inspected for evidence of cultural scarring or carving but no such markings were identified. An understorey of scattered native grasses and lantana shrubs limited visibility to approximately 20%. Leaf litter also provided significant ground cover and exposure was approximately 10%, being largely limited to stock trails and sheet wash. Soils comprised very dry A horizon silt and contained inclusions of ironstone and shale, and occasionally mudstone (Plate 14.2). Disturbances included a former farm tip and an electricity easement (Plate 14.3).

The location of AHIMS 38-4-1742 was inspected but the artefacts were not identified (Plate 14.4).

#### Survey Unit 2

This Survey Unit included the registered sites AHIMS 38-4-1289 (artefact/s unspecified- partially destroyed), AHIMS 38-4-1290 (isolated find), AHIMS 38-4-1688 (artefact/s unspecified) and the portion of the Project Area closest to AHIMS 38-4-1687 (artefact/s unspecified), which are located on a long, level to moderately sloping ridgeline to the east of Weakleys Flat Creek. This area is highly disturbed as a result of the upgrade of John Renshaw Drive to the north (Plate 14.5), the electricity easements which run through the area and former presence of poultry sheds. Vegetation in the area included scattered mature spotted gum and ironbark trees and regrowth of saplings, as well as pasture grasses and lantana (Plate 14.6). Within five metres of John Renshaw Drive, imported gravels were observed. Visibility was 30% and exposure was 30%, with large areas of ground surface exposed as a result of water runoff and vehicle tracks. Soils included a dry, hardset silt A horizon, with B horizon clays exposed close to John Renshaw Drive (Plate 14.7).

The locations of AHIMS 38-4-1289, AHIMS 38-4-1290, AHIMS 38-4-1688 and AHIMS 38-4-1687 were inspected but no artefacts were identified (Plate 14.5, Plate 14.8, Plate 14.9 and Plate 14.10).

#### Survey Unit 3

Survey Unit 3 was defined as a separate Survey Unit as it, like Survey Unit 1, exhibited lower levels of disturbance when compared with other areas within the property. The Survey Unit included a gully formed by a first order tributary of Weakleys Flat Creek. Vegetation comprised spotted gums and ironbarks from saplings to mature age trees, with a sparse understorey of lantana and other bushes (Plate 14.11). Ironstone pebbles were observed atop dry hardset A horizon silty soils, and eroded B horizon clays in some sloped areas. Visibility was approximately 10% and exposure was 5% (Plate 14.12).

No registered AHIMS sites were present within this survey unit, however one area of potential archaeological sensitivity was identified.

#### Survey Unit 4

This Survey Unit covered the remaining portions of the project area, which were highly disturbed as a result of farming activities and included significant modifications to landform including the importing of fill on which poultry sheds were constructed and the excavation and drainage across the property (Plate 14.13). Farms tracks, house and offices, and easements also contributed to the disturbance of the Survey Unit. Soils comprised a mix of imported fill, gravel road base and natural A and B horizon soils. Visibility and exposure were 20%, limited primarily to areas where roads, buildings and dams were located (Plate 14.14).

No registered AHIMS were located within this survey unit and no Aboriginal objects, or archaeological potential, was identified.

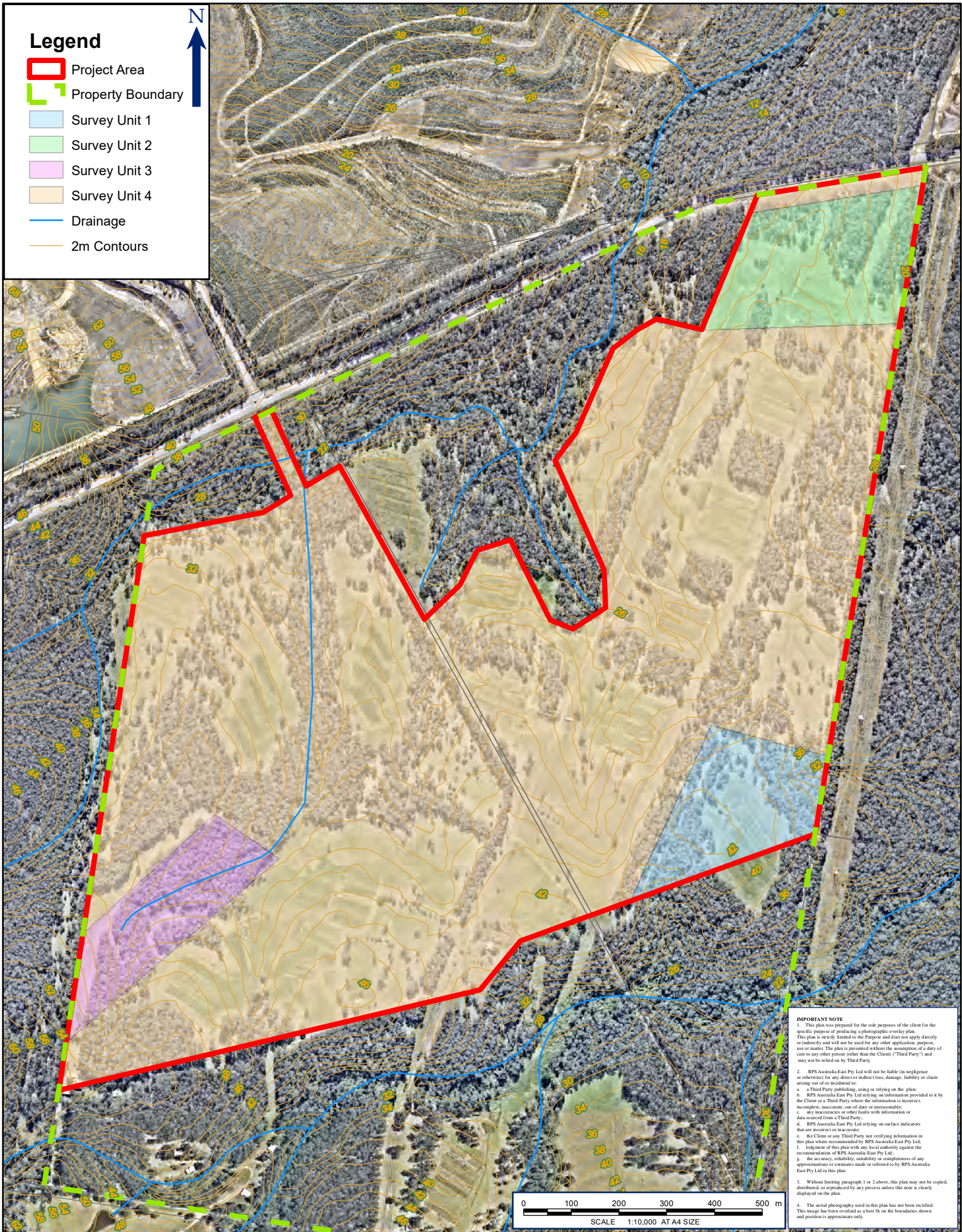
## 6.4 Survey Observations

An inspection of five registered sites located within and near the project area, AHIMS 38-4-1742, AHIMS 38-4-1289, AHIMS 38-4-1290, AHIMS 38-4-1688 and AHIMS 38-4-1687 was undertaken but no artefacts were identified at any of the sites. These sites are nevertheless protected under the NPW Act.

The site inspection identified no new Aboriginal objects or sites, however one additional area of potential sensitivity was identified in Survey Unit 3. This area exhibits less disturbance when compared with areas in Survey Unit 4 and contains some potentially intact A horizon soils on gentle slopes above the drainage line.

A horizon soils are largely intact in the locations of the registered sites and it was therefore considered that there may be some subsurface potential at these locations and at the potentially sensitive area identified in Survey Unit 3. This was undertaken in the form of test excavations as detailed in Section 7.





**FIGURE 6.1: PROJECT AREA WITH SURVEY UNITS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE:	HERITAGE	Data Sources: RPS, Client Land and Property 2015
Technician:	Natalie Wood	Date: 22/10/2018



## 7 Archaeological Test Excavation

The archaeological test excavation program was designed and undertaken in accordance with the Code of Practice. In accordance with the Code, archaeological test excavations are required to understand the nature, distribution and significance of the archaeological resource of Lot 1131, DP1057179 John Renshaw Drive, Black Hill NSW and to develop appropriate management and mitigation recommendations in relation to the proposal.

### 7.1 Aims

Test excavation of sites AHIMS 38-4-1289, AHIMS 38-4-1290 and AHIMS 38-4-1688, the slope above site AHIMS 38-4-1742, and of the area of potential archaeological sensitivity in Survey Unit 3 would be conducted in accordance with the Code of Practice. No excavation was undertaken near AHIMS 38-4-1687 as it was observed that there were no topsoils present at this location. The purpose of test excavations under the Code of Practice is to assess the nature and significance of the archaeological resource based on a sample of subsurface deposits. This assessment would be informed by the wider archaeological and cultural landscape. Furthermore, the aims of the test excavation would be to:

- Adequately identify the extent of the areas of low archaeological potential within Survey Units 1, 2 and 3.
- To assess the scientific significance of the registered sites and the potential archaeological sensitivity following the assessment and interpretation of test excavation results.
- To provide an opportunity for registered Aboriginal stakeholders to comment on the Aboriginal cultural heritage values of the area.
- To provide the proponent with recommendations on opportunities to avoid impact and future requirements for further archaeological investigation where required.

### 7.2 Excavation Methodology

The Code of Practice provides a set of guidelines to be adhered to for test excavations to occur without an AHIP under the NPW Act.

The following test excavation methods have been prepared in accordance with Requirement 16 of the Code of Practice.

- Excavation to be carried out in three identified areas, known as Survey Unit 1, 2 and 3. The pits will be a minimum of 50 centimetres x 50 centimetres in extent and will be placed at 20 metres apart. Varied intervals may be used to accommodate landscape features, artefact densities and similar, or pits laid in a grid where a concentration of artefacts needs to be investigated.
- Hand excavation using mattocks, shovels, trowels and other manual tools.
- Test pits were excavated and documented at five centimetre spits for the first pit and then 10 centimetre spits, or stratigraphic layers, dependent upon the results of the first pit.
- All material resulting from the test pit excavation were sieved using a five millimetre aperture sieve
- Dry sieving was used where possible and wet sieving methods were provisioned for.
- Photographs with scale were used to document stratigraphy and/or soil profile at each pit.
- Test excavation pits were back-filled as soon as practicable following completion of excavation.
- Due to Survey Unit shape and size, multiple transects of test pits were laid out as below.

## 7.2.1 Test Excavation Pits

The test excavations targeted the areas of AHIMS 38-4-1289, AHIMS 38-4-1290 and AHIMS 38-4-1688, the slope above site AHIMS 38-4-1742, and the area of potential archaeological sensitivity in Survey Unit 3, identified as having moderate archaeological potential. The test excavation program consisted of 59 test excavation pits:

- 23 in Survey Unit 1;
- 17 in Survey Unit 2; and
- 19 in Survey Unit 3.

Test pits were numbered by Survey Unit (SU) and Test Pit (PT), e.g. SU1 TP1 was the first test pit excavated in Survey Unit 1. A minimum of 45 test excavation pits were agreed to under the test excavation program. An additional 14 test excavation units were excavated in order to provide greater coverage to the area, resulting in the total of 59 test excavation units (see Table 7.1 and Table 7.2). This included the expansion of test pits around SU1 TP5, by the excavation of four more test pits where the sole artefact, across all excavation pits, was collected.

Test excavation units were established along transects placed across the Survey Units. In Survey Unit 1, they would focus on covering the gully, slope and crest of the ridge formation above the gully in which 38-4-1742 is located; in Survey Unit 2, the test pits focused on areas adjacent to the registered sites where intact A horizon deposits were evident; and in Survey Unit 3 they focused on testing the landform units within the gully to determine whether archaeological deposits were present. The transects were spaced 20 metres apart. The test excavation pits were then spaced 20 metres apart on each transect and each transect would be offset by five metres. The purpose of an offset is to improve the statistical probability of finding an artefact or archaeological feature as discussed in Orton (2000).

The initial distribution of test excavation units in Figure 4 was considered to be indicative only. The placement of additional and replacement test excavation pits was at the discretion of the Excavation Director in consultation with the Aboriginal stakeholder representatives on site. A deviation from the transects occurred where Aboriginal representatives request that a particular location within the Project Area be tested. The additional pits that were added to the excavations were appropriate to areas of interest to the Aboriginal representatives and to replace pits that could not be excavated (Survey Unit 3), due to the presence of contamination/disturbance. Furthermore, other circumstances that altered the overall total number of units or location of units did include the depths (or lack thereof) of the deposits and other areas of contamination. Where test excavation pits were relocated, they were usually separated by at least five metres. The four additional pits that were placed adjacent to SU1 TP5 was due to the artefact that was found during excavation.

Under the Code of Practice test excavations should not excavate more than 0.5% of the site or PAD under investigation. The total area of Survey Units 1, 2 and 3 is 254,812.93m<sup>2</sup>. The proposed excavated area is 11.25m<sup>2</sup> accounting for 0.004% of the total area.

A number of test pits initially mapped as part of the test excavation program in Survey Unit 3 (Test Pits 12 to 18) were not processed due to heavy disturbance, rubbish/landfill dumping and dense lantana growth (see Table 7.1). Replacement test pits were needed to complete testing in Survey Unit 3 (see Table 7.2). Due to the excavated test pits in Survey Unit 1 and Survey Unit 2 being quite shallow, time permitted for more investigative pits to be placed in this area (see Table 7.2).

Each test excavation unit measured 500 millimetres by 500 millimetres. Test excavation units were placed on arbitrary grids across the different landforms within the Project Area. The placement of the grids was chosen in order to test a representative sample of the landforms identified within the archaeological potential assessment results. Each tested area corresponds to a survey unit and was given an ID in order to simplify recording (see Figure 7.1).

**Table 7.1 Test excavation pits not attempted**

Area	Test pit no.	Status	Details
SU3	TP12	Not attempted	Abandoned due to presence of fill and heavy disturbance
SU3	TP13	Not attempted	Abandoned due to presence of fill and heavy disturbance
SU3	TP14	Not attempted	Abandoned due to presence of fill and heavy disturbance
SU3	TP15	Not attempted	Abandoned due to presence of fill and heavy disturbance
SU3	TP16	Not attempted	Abandoned due to presence of fill and heavy disturbance
SU3	TP17	Not attempted	Abandoned due to presence of fill and heavy disturbance
SU3	TP18	Not attempted	Abandoned due to presence of fill and heavy disturbance

**Table 7.2 Additional test excavation pits**

Area	Test pit no.	Details
SU1	TP5A	Additional – 500mm north of TP5
SU1	TP5B	Additional – 500mm east of TP5
SU1	TP5C	Additional – 500mm south of TP5
SU1	TP5D	Additional – 500mm west of TP5
SU1	TP16	Additional
SU1	TP17	Additional
SU1	TP18	Additional
SU1	TP19	Additional
SU2	TP13	Additional
SU2	TP14	Additional
SU2	TP15	Additional
SU2	TP16	Additional
SU2	TP17	Additional
SU3	TP19	Replacement of SU3 TP12
SU3	TP20	Replacement of SU3 TP13
SU3	TP21	Replacement of SU3 TP14
SU3	TP22	Replacement of SU3 TP15
SU3	TP23	Replacement of SU3 TP16
SU3	TP24	Replacement of SU3 TP17
SU3	TP25	Replacement of SU3 TP18
SU3	TP26	Additional



The results of previous archaeological studies in the general locality had identified Aboriginal sites on gentle slopes near creek lines. Targeted survey was undertaken, including areas where registered sites were present and where disturbances appeared to be less extensive. No additional sites were identified and the artefacts at the registered sites within and near the project area (AHIMS 38-4-1742, AHIMS 38-4-1289, AHIMS 38-4-1290, AHIMS 38-4-1687 and AHIMS 38-4-1688).

Based on the condition of the A horizon soils at these locations, and their presence on gentle slopes near creek lines, it is considered that there may have been some archaeological potential at these sites (see Table 7.3) and if present, subsurface artefacts could be up to 30 centimetres in depth based on the soil landscapes.

The proposed vegetation clearance will require the use of machinery to remove tree stumps from the ground, thereby resulting in ground surface disturbance. It was considered that the registered sites may contain some subsurface potential, as A horizon soils remain intact in some areas. Ground surface disturbance resulting from the removal of trees will result in harm to surface and potential subsurface Aboriginal objects within the project area.

As a result of this potential for harm, a program of test excavation was recommended prior to the completion of the vegetation clearance and in preparation for an AHIP application (see Table 7.3). The results of this test excavation are included herein.

**Table 7.3 Assessment of archaeological potential**

Site ID / Name	Survey Unit	Archaeological potential
Slope above 38-4-1742 / AVC13/A	1	Low-moderate
38-4-1289 / CTGM3 AT3	2	Low-moderate
38-4-1290 / CTGM4 MC	2	Low-moderate
Area west of 38-4-1687 / Beresfield WP-AS2 artefacts	2	Nil
38-4-1688 / CTGM PAD1 artefacts	2	Low-moderate
Potential area of sensitivity	3	Low-moderate

Each grid was oriented to adequately test the extent of the archaeological deposit on each landform. Transects were placed 20 metres apart and each test excavation unit was placed at 20 metre intervals. Transects were offset from each other by five metres.

In accordance with the Code of Practice the first test excavation unit on the site was excavated and recorded in 50 millimetre spits. As high-density archaeological deposits were not identified, the remaining excavation units were excavated in 100 millimetre spits. All test excavation units were excavated by hand and terminated when B horizon clays were reached. Excavation into this layer does not retrieve Aboriginal objects. An excavation unit form was completed for each excavation pit in the field. Representative sections were drawn to scale across each survey unit. Photographs were taken of each north section wall and base. All excavation material was wet sieved through nested 3 millimetre and 5 millimetre aperture wire-mesh sieves.

The locations of test excavation units were recorded using a handheld non-differential GPS.

## Stratigraphic Observations

Stratigraphic observations made during the test excavation campaign indicate uniform soil profiles throughout the three Survey Units subject to investigation. 'A' horizons are generally composed of dark brown silty clay loams with moderate structure, 'B' horizons comprise dark brown medium clays. An outline

of the soil profiles' stratigraphic compositions throughout Survey Units 1, 2 and 3 is provided in the tables below.

### Survey Unit 1

Surface visibility has been assessed as very low (0-2%) due to the presence of dense heavy grass (Plate 14.15). Soils comprise heavy clayey loams on clays (Plate 14.16). General description of soil profile provided in Table 7.4

below.

**Table 7.4 Survey Unit 1 general description of soil profile**

Depth	Description
0 to -30 mm	Dark brown loose fine-grained silty loam, medium rounded and poorly sorted; rich in organics (Munsell 7.5 YR 3/1); inclusions 20%; heavily modified by cattle and logging
-30 to -200 mm	Grey brown firm fine grained clayey silt; well rounded and medium sorted; minimal organics (Munsell 7.5 YR 5/2; 20% gravel inclusions
At -200 mm	Dark greyish brown with yellow mottling firm to compact fine grained silty clay; well rounded and sorted, (Munsell 7.5 YR 4/2; 5% gravel inclusions

### Survey Unit 2

Surface visibility has been assessed as very low (0-2%) due to the presence of dense heavy grass (Plate 14.17). Soils comprise silty loam & clay mixes on heavy mottled clay (Plate 14.18). General description of soil profile provided in Table 7.5 below.

**Table 7.5 Survey Unit 2 general description of soil profile**

Depth	Description
0 to -30 mm	Dark brown loose fine-grained silty loam, medium rounded and poorly sorted; rich in organics (Munsell 7.5 YR 3/1); inclusions 20%; heavily modified by cattle, track work and logging
-30 to -200 mm	Grey brown firm fine grained clayey silt; well rounded and medium sorted; minimal organics (Munsell 7.5 YR 5/2; 30% gravel inclusions
At -200 mm	Dark greyish brown with red mottling firm to compact fine grained silty clay; well rounded and sorted, (Munsell 7.5 YR 4/2); 5% gravel inclusions

### Survey Unit 3

Surface visibility has been assessed as very low (0-2%) due to the presence of dense heavy grass (Plate 14.19). Soils comprise heavy clayey loams on clays (Plate 14.20). General description of soil profile provided in Table 7.6 below.

**Table 7.6 Survey Unit 3 general description of soil profile**

Depth	Description
0 to -30 mm	Dark brown loose fine-grained silty loam, medium rounded and poorly sorted; rich in organics (Munsell 7.5 YR 3/1); inclusions 20%; heavily modified by cattle and logging
-30 to -200 mm	Grey brown firm fine grained clayey silt; well-rounded and medium sorted; minimal organics (Munsell 7.5 YR 5/2; 20% gravel inclusions

Depth	Description
At -200 mm	Dark greyish brown with yellow mottling firm to compact fine grained silty clay; well rounded and sorted, (Munsell 7.5 YR 4/2; 5% gravel inclusions

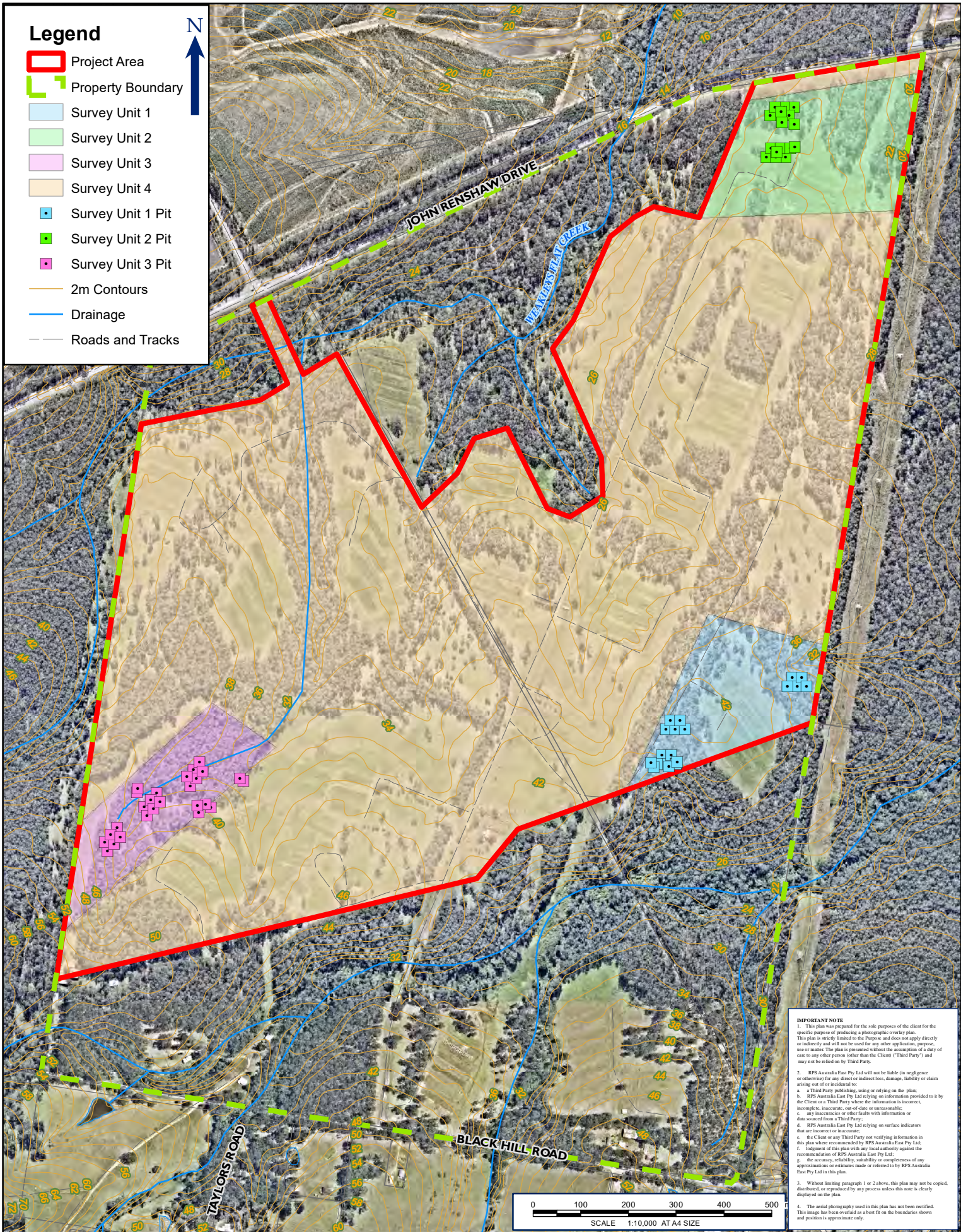
### 7.2.2 Levels of Disturbance

Very heavy disturbance was evident across the entire site. This heavy disturbance was caused by many and various forms of land use which included cattle farming, track work, stockpiling of road work materials, chicken farming on a large scale, land clearance, logging, electrical easements and general farming practices. This heavy disturbance across the entire project area has had a large effect on the newly vegetation profile, land remodelling and lack of soil deposits (Plate 14.21).

### 7.2.3 Summary

Stratigraphic observations made during the archaeological test excavation campaign were limited, due to the lack of depth of deposits across all three Survey Units. While heavy disturbance had been recorded during the previous survey works, the effects of the many and varied land uses of the Project Area have had an extensive affect across the entire site. Throughout the Project Area, soil profiles consist of a layer of composted leaf and organic matter across a shallow clayey silt, atop heavy clay beds. With regard to the soil characteristics, test excavations have shown that it is highly unlikely that subsurface Aboriginal archaeological deposits are present within the Project Area.





**FIGURE 7.1: TEST EXCAVATION UNIT LAYOUT**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE:	HERITAGE	Data Sources: RPS, Client Land and Property 2015
Technician:	Natalie Wood	Date: 22/10/2018



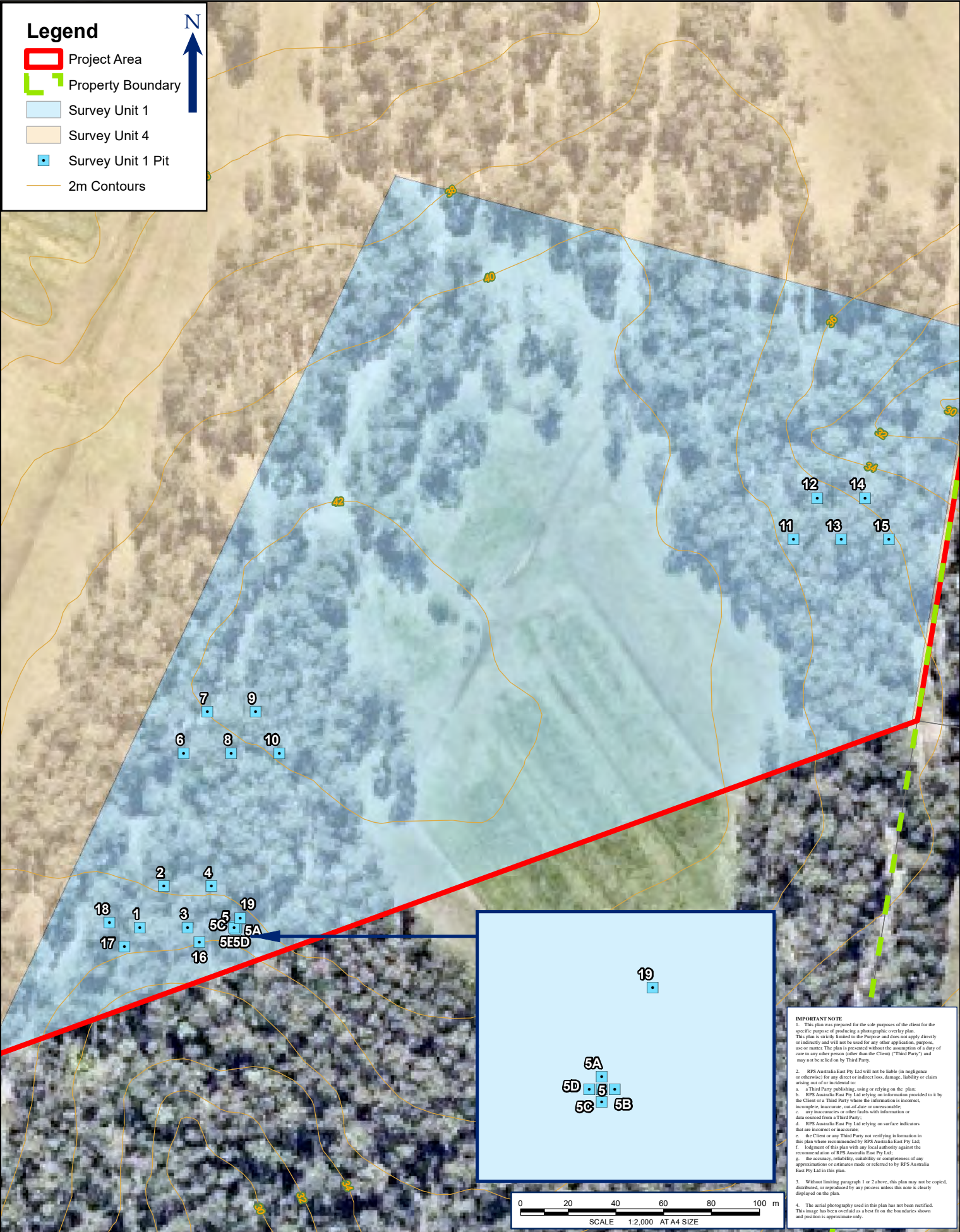


FIGURE 7.2 :TEST EXCAVATION UNIT LAYOUT SURVEY UNIT 1

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: Natalie Wood	Date: 22/10/2018	



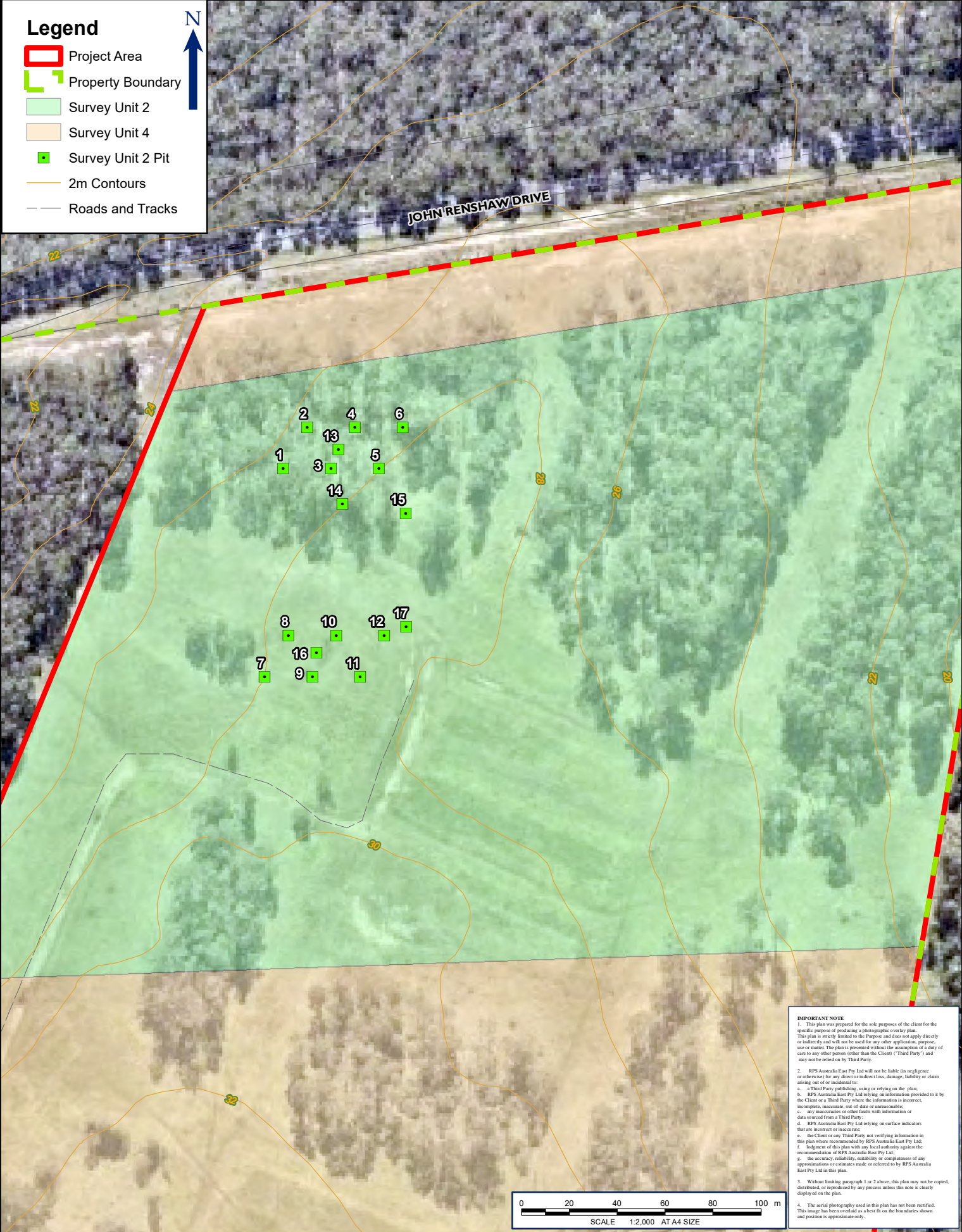
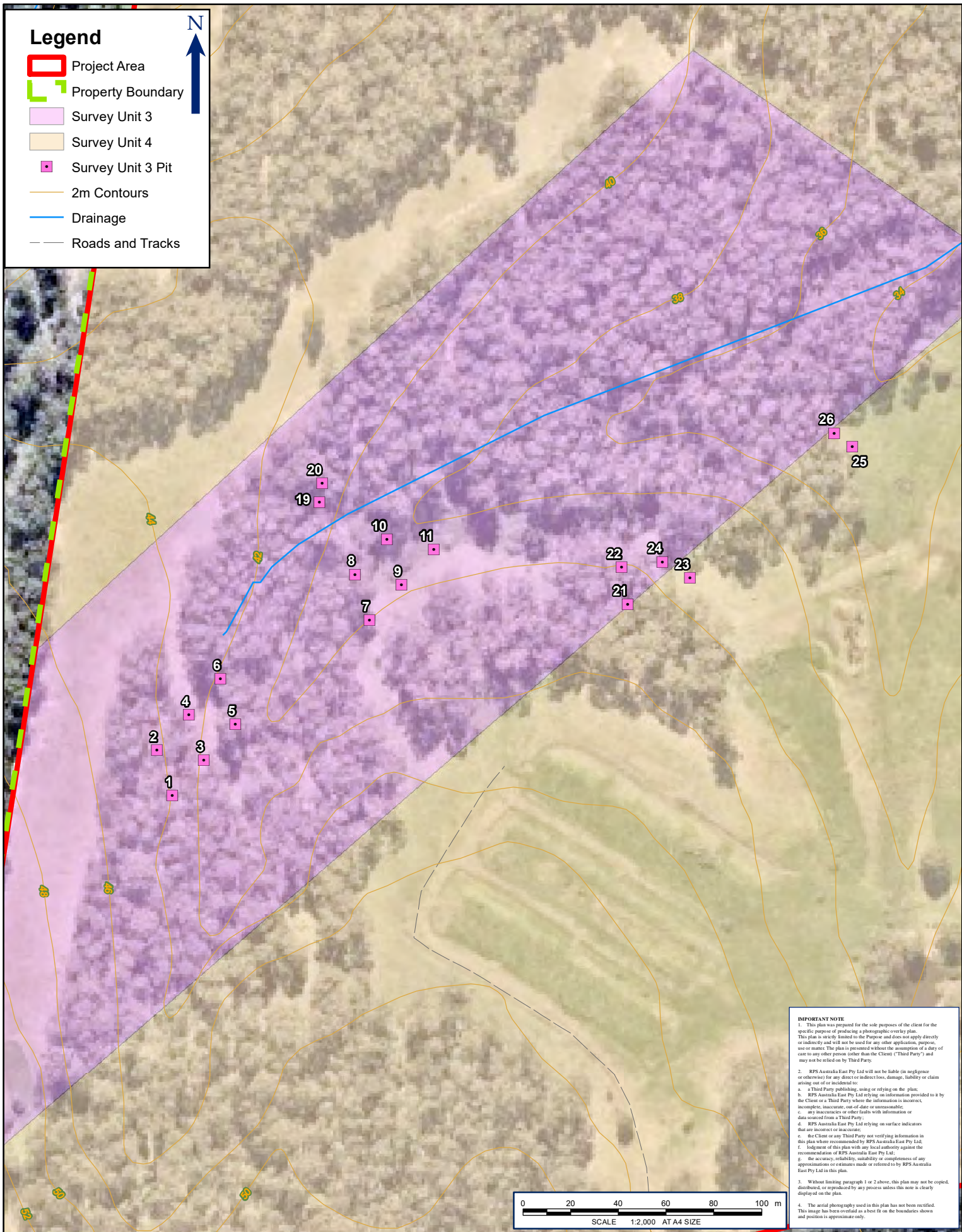


FIGURE 7.3: TEST EXCAVATION UNIT LAYOUT SURVEY UNIT 2		LOCATION: BLACK HILL	DATUM: GDA94
		PROJECTION: MGA Zone 56	
JOB NO.: PR 139511		Data Sources: RPS, Client	
PURPOSE: HERITAGE		Land and Property 2015	
Technician: Natalie Wood		Date: 22/10/2018	

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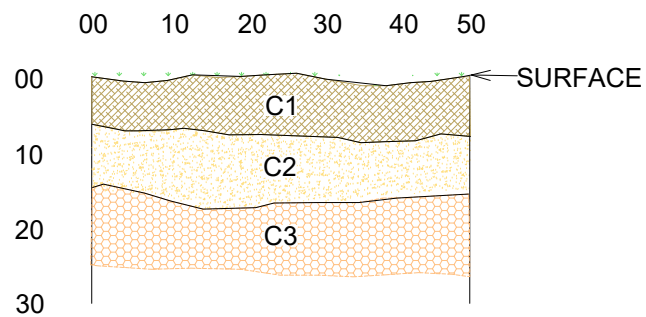
**FIGURE 7.4: TEST EXCAVATION UNIT LAYOUT SURVEY UNIT 3**

LOCATION: <b>BLACK HILL</b>	DATUM: GDA94 PROJECTION: MGA Zone 56
JOB NO.: <b>PR 139511</b>	Data Sources: RPS, Client Land and Property 2015
PURPOSE: HERITAGE	
Technician: Natalie Wood	Date: 22/10/2018

CLIENT: BROADEN MANAGEMENT PTY LTD

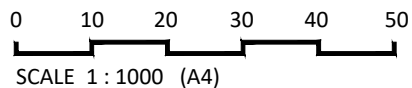
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**PIT 5 - NORTH PROFILE**

Legend	
Context	Description
SURFACE	Full grass coverage
C1	Dark brown dense ground cover loam.
C2	Light grey silt clay
C3	Dark Brown Clay



TITLE: FIGURE 7.5: PIT PROFILES FOR  
SU1 TEST PIT 5

LOCATION: BLACK HILL

DATUM: N/A  
PROJECTION: N/A

DATE: 22/10/2018  
PURPOSE: HERITAGE

AUTOCAD REF: Pit Profiles  
VERSION: A A4 (NW)

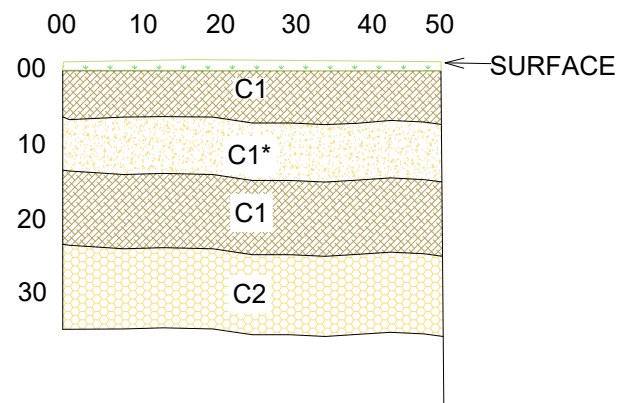
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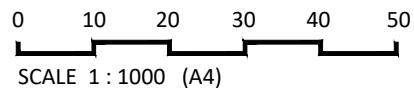
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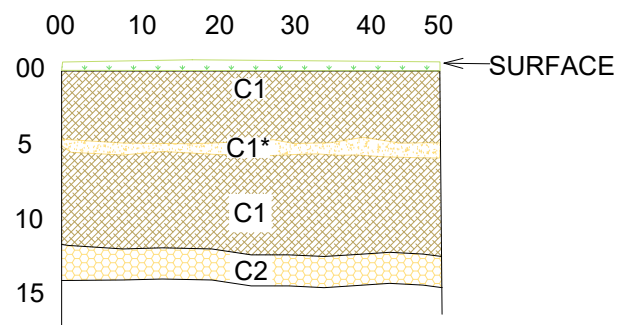
RPS



Legend	
Context	Description
SURFACE	Low grass coverage
C1	Loam.
C1*	Sand dump (very clean).
C2	Clay

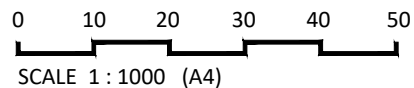
**PIT 9 - EAST PROFILE**





Legend	
Context	Description
SURFACE	Leaf litter sparse grass coverage
C1	Loam.
C1*	Sand lens
C2	Clay

## PIT 19 - NORTH PROFILE



TITLE: FIGURE 7.7: PIT PROFILES FOR  
SU 3 TEST PIT 19

LOCATION: BLACK HILL

DATUM: N/A  
PROJECTION: N/A

DATE: 22/10/2018  
PURPOSE: HERITAGE

AUTOCAD REF: Pit Profiles  
VERSION: A A4 (NW)

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## 7.2.4 Aboriginal Objects

All Aboriginal objects retrieved during test excavation programs are washed and placed in resealable bags for further analysis and recording. Following the completion of the test excavations, one artefact was catalogued and stored in accordance with the Code of Practice. An artefact record was made and included the provenance of the artefact, attributes such as raw material, artefact type, platform type, termination type, dimensions, weight, negative flake scars (see Table 7.7). This was accompanied by photographic records of the artefact and is included as Appendix A.

**Table 7.7 Attributes recorded for each artefact**

Attribute	Details
Site Details	Site Name (SU)
Excavation Unit ID	Location of the southwest corner on the X Y grid
Spit	Spit number
Raw material	Raw material type and colour. May include: silcrete (SIL), Indurated mudstone tuff (IMDT), quartz (QZ) and fine grained siliceous stone (FSS)
Typological class/reduction type	Flake (CF), proximal flake fragment (PFP), medial flake fragment (MFP), distal flake fragment (DFP), bipolar flake (BP), longitudinally broken flake (LBF), angular fragment (AF)
Form tool type (if applicable)	Backed, retouched, core – singular platform, multiple platform, core fragment
Dimensions	Oriented length, width and thickness of complete flakes
Size range	Maximum dimensions in the following categories – 0-5 mm, 6-10 mm, 11-15mm
Cortex	Cortex coverage of whole artefact
Weight	Measured to 0.1gm. Artefacts less than 0.05gm were rounded up to 0.05 gm, whilst artefacts greater than 0.05gm were rounded up to 0.1 gm.

## 7.2.5 Stone Artefact Analysis

The test excavations of Lot 1131, DP 1057179, John Renshaw Drive, Black Hill retrieved one stone artefact from a total of 59 test pits (see Figure 7.8). This test excavation pit was located in Survey Unit 1 - SU1 TP5 and is not associated with any of the AHIMS sites; it is closest to 38-4-1742, being within 100 metres.

### Artefact Distribution and Density

There was one artefact retrieved from SU1 TP5. The artefact was retrieved from spit one, which was 50 millimetres in depth and consisted of the leaf litter composted silty loam layer across this area. This test excavation pit was 0.5 by 0.5 metres in surface area. Four more test pits were placed 500 millimetres to the north (TP5A), east (TP5B), south (TP5C) and west (TP5D) of SU1 TP5 in order to determine whether more artefacts may be present. No further artefacts were retrieved from these extension test pits.

It is possible that the artefact was deposited or discarded elsewhere and had been transported to its current location through taphonomic processes. For example, it may have been washed down the slope towards the gully line to the south from the higher, flatter ground to the north. This hypothesis is supported by the location of the artefacts in the upper layers of the soils. There are no other archaeological features across the site.

## Raw Material and Artefact Characteristics

The flake artefact has been manufactured from light grey banded mudstone. Weight and size dimensions are provided in Table 7.8 below. There is a flat platform and a feathered termination with 0% of cortex present with no evidence of retouch or usewear (Plate 14.22 and Plate 14.23).

**Table 7.8 Weight and dimensions of artefact**

Artefact type	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)
Flake	Mudstone	10.57	28.08	23.36	12.67

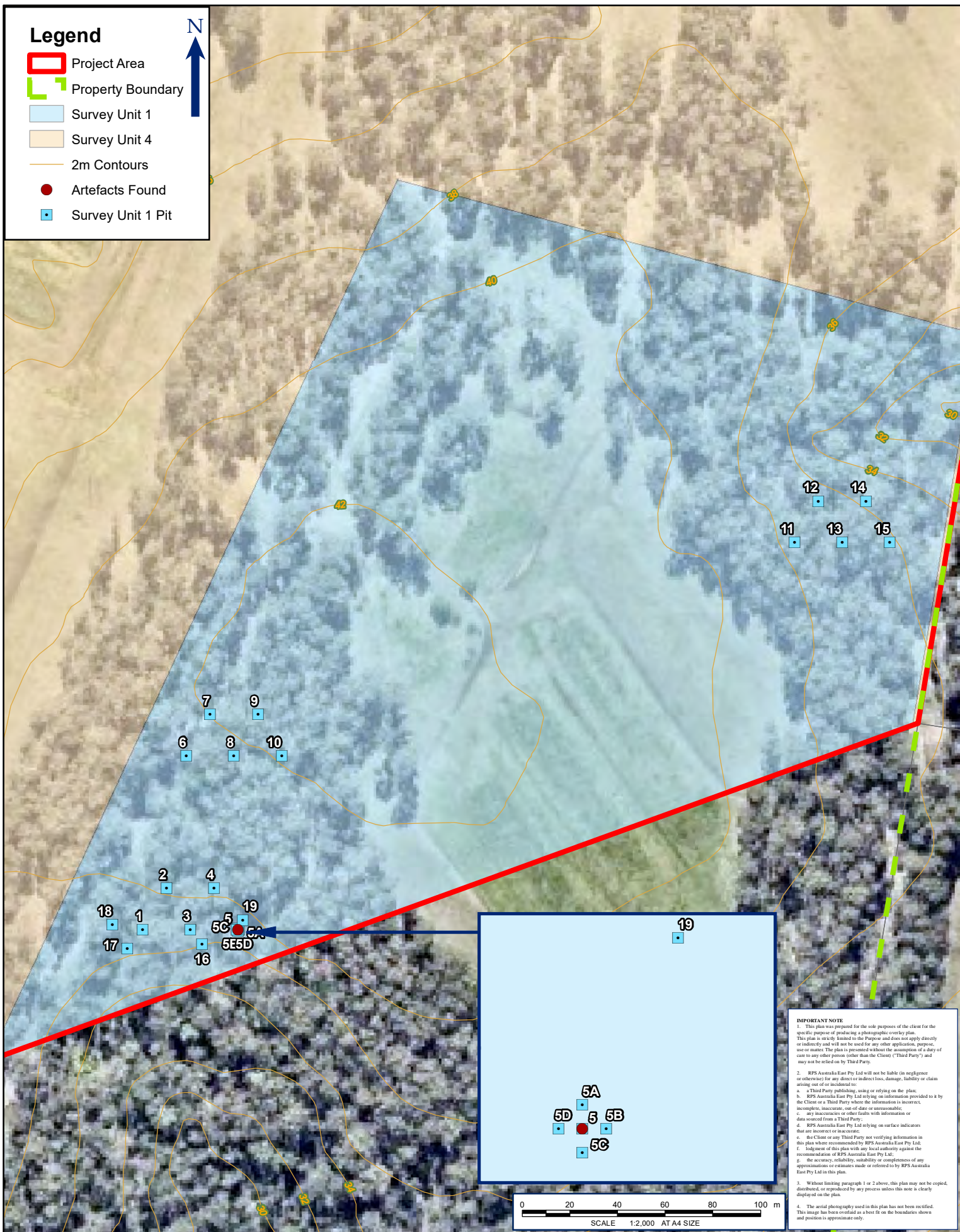
## 7.3 Results

The test excavation of Lot 1131, DP 1057179 was conducted over nine days between 06 September and 18 September 2018. A total of 59 test pits over three Survey Units were completed. The test excavations were attended by representatives from Mindaribba LALC, Cacatua Culture Consultants, AGA Services, Gidawaa Walang, Didge Ngunawal Clan and Steve Talbot, as well as heritage consultants from RPS. The full list of attendees is summarised in the table below.

**Table 7.9 Test excavation attendees**

Name	Organisation
Claire Rayner	RPS
Laura Cross	RPS
Kerrie Grant	RPS
Nicola Hirschhorn	RPS
Craig Horn	Gidawaa Walang
Greg Sampson	AGA Services
Jason Brown	Mindaribba LALC
Allan Talbot	Gomerio Namioto/Steve Talbot
Edward Funaki	Didge Ngunawal Clan
Adam Sampson	Cacatua Culture Consultants/AGA Services
George Sampson	Cacatua Culture Consultants
Phillip Hall	Mindaribba LALC
Kody McCutcheon	Didge Ngunawal Clan





LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: Natalie Wood	Date: 22/10/2018	

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## 8 Discussion

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### 8.1 Discussion

The archaeological investigations of Lot 1131, DP1057179 John Renshaw Drive, Black Hill NSW identified very heavy disturbance across the entire site. This heavy disturbance was caused by many and various forms of land use which included cattle farming, stockpiling of road work materials and construction of roads, chicken farming on a large scale, land clearance, logging, electrical easements and general farming practices. This heavy disturbance across the entire project area has had a large effect on the vegetation profile, land remodelling and lack of soil deposits. This would also lead to there being a very limited likelihood of finding secure intact subsurface deposits.

Stratigraphic observations made during the archaeological test excavation campaign were limited, due to the shallow deposits across all three Survey Units. While the heavy disturbance that has been recorded during the previous survey works, the effects of the many and varied land uses of the Project Area have had an extensive effect across the entire site. Throughout the Project Area, soil profiles consist of a layer of composted leaf and organic matter across a shallow clayey silt, atop heavy clay beds. With regard to the soil characteristics, it is highly unlikely that subsurface Aboriginal archaeological deposits are present within the Project Area.

Studies undertaken in the local area have identified that swamp areas, such Hexham Swamp about two kilometres to the east, were subject to more frequent land use by Aboriginal people, evidenced by the density of Aboriginal objects increasing with proximity to such areas (Umwelt REF). This is supported by the findings of South East Archaeology (2000) at Lenaghans Drive, which is located on the edges of the Hexham Swamp in Black Hill. In comparison, the Project Area, while closely associated with Viney Creek and a number of ephemeral drainage line, may have been more appropriate for transient land use. This is consistent with the recovery of a single artefact from 59 square metres of test excavation within unmodified portions of the Project Area.



## 9 Significance Assessment

In order to develop appropriate heritage management outcomes, it is necessary for the significance of Aboriginal objects and places to be assessed. Aboriginal heritage may be significant for cultural and/or archaeological reasons. Aboriginal people are best placed to assess cultural significance and are therefore, consulted in the heritage management process. Archaeological significance is assessed against archaeological criteria outlined in the Code of Practice (DECCW 2010).

### 9.1 Cultural Significance

The cultural significance of Aboriginal cultural heritage has been assessed in accordance with the *Burra Charter: the Australia ICOMOS Charter for Places of Cultural Significance* (Australia ICOMOS 2013) (the Burra Charter) and the Guide (OEH 2011). The Burra Charter (Australia ICOMOS 2013:2) defines cultural significance as:

*Cultural significance means aesthetic, historic, archaeological, social or spiritual value for past, present or future generations. Cultural significance is embodied in the place itself, its fabric, setting, use, associations, meanings, records, related places and related objects.*

The cultural significance of Aboriginal objects and places has been assessed against four criteria:

- Social or cultural: Social or cultural value refers to the spiritual, traditional, historical or contemporary associations and attachments of a place (OEH 2011:8). There is often not consensus about the cultural value of an object or place as people experience places and events in different ways and as such, cultural values may be in direct conflict. Social and cultural values have been determined through consultation with RAPs.
- Historic: Historic value refers to the associations of a place with a historic figure, event, phase or activity. Historic places are not always associated with tangible evidence (such as structures or landscape modifications) and may have shared historic values with other (non-Aboriginal) community groups.
- Archaeological: Archaeological value refers to the importance of a landscape, area, place or object based on its rarity, representativeness and the extent to which it may contribute to further understanding and information about past Aboriginal occupation (OEH 2011:9).
- Aesthetic: Aesthetic value refers to the sensory, scenic, architectural and creative aspects of a place. It may consider form, scale, texture and material of the fabric or landscape, and the smell and sounds associated with the place and its use (OEH 2011:9).

An assessment of cultural significance 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 sites and their own value system.

#### 9.1.1 Cultural Significance Assessment

Cultural heritage value refers to the spiritual, traditional, historical or contemporary associations and attachments a place has for Aboriginal people (OEH 2011:8). There is not always consensus about the cultural value of a place as people experience places and events differently, and in some instances cultural values may be in direct conflict. Cultural significance can only be determined by Aboriginal people and is identified through Aboriginal community consultation.

## Social or Cultural Value

An opportunity to comment on the cultural value of the Project Area was provided when the proposed methodology for the archaeological testing program was provided, and during the completion of the test excavation itself. No cultural information specific to the Project Area or registered sites AHIMS # 38-4-1289, 38-4-1290, 38-4-1687, 38-4-1688 and 38-41742 has been provided to date, however it is acknowledged that all Aboriginal objects and the natural landscape itself hold cultural significance to Aboriginal people.

Further opportunity to comment on cultural value was provided with the draft version of this report when it was provided to the RAPs on Thursday 8 November 2018 (refer to Section 3). No additional information regarding cultural significance was provided.

## Historic Value

Historic value refers to the associations of a place with a historically important person, event, phase or activity in an Aboriginal community (OEH 2011:9).

RAPs were invited to comment on the historical significance of the Project Area throughout the consultation process for this ACHAR.

No historic values were identified during the consultation process for this ACHAR.

## Aesthetic Value

Aesthetic value refers to the sensory, scenic, architectural and creative aspects of a place. It may consider form, scale, texture and material of the fabric or landscape, and the smell and sounds associated with the place and its use (OEH 2011:9).

RAPs have been invited to comment on the aesthetic significance of the Project Area throughout the consultation process for this ACHAR.

No aesthetic values were identified during the consultation process for this ACHAR.

## Archaeological Value

Archaeological value refers to the importance of a landscape, area, place or object based on its rarity, representativeness, and the extent to which it may contribute to further understanding and information about past Aboriginal occupation (OEH 2011:9).

The assessment of scientific or archaeological value (and subsequently, significance) is used to develop appropriate heritage management and impact mitigation strategies. Criteria for archaeological significance have been developed in accordance with the principals of the Code of Practice (DECCW 2010). The following archaeological significance criteria have been used: rarity, representativeness, research potential and education potential. These are defined and discussed in Section 9.2.

## 9.2 Archaeological Significance Criteria

Scientific (archaeological) value refers to the importance of a landscape, area, place or object because of its rarity, representativeness and the extent to which it may contribute to further understanding and information. The scientific value of a site is assessed using criteria such as research potential, representativeness, rarity and education potential. The degree to which a site meets the criteria is assessed as low, moderate, high or very high. Each assessment criterion is briefly described below.

**Table 9.1 Archaeological significance criteria**

Criteria	Details
Rarity	Is the subject are important in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practiced? Is it in danger of being lost or of exceptional interest?
Representativeness	How much variability (outside and /or inside the subject area) exists, what is already conserved, how much connectivity is there?
Research Potential	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 may have teaching potential?

### 9.2.1 Assessment of Archaeological Significance

The archaeological (scientific) significance of the registered sites within and adjacent to the Project Area has been assessed according to the above criteria and based on the findings of the test excavation. These assessments are summarised in Table 9.2 to Table 9.3 for sites AHIMS 38-4-1742, 38-4-1289, 38-4-1290 and 38-4-1688. One Aboriginal object was identified as a result of the test excavations, within 100 metres of AHIMS 38-4-1742; significance of this artefact has been assessed in context of this site.

The archaeological significance of AHIMS 38-4-1687 has not been assessed as the actual location of the site is outside the Project Area boundary and there was no surface artefacts or archaeological potential in the portion of the Project Area closest to this site.

**Table 9.2 Archaeological (scientific) significance assessment of artefact identified near AHIMS 38-4-1742**

Criteria	Outcome	Significance
Research potential	This artefact does not exhibit technical achievement and as a single object, it cannot provide any information regarding diversity of type, material or use. Furthermore, it is highly unlikely that the artefact is reflective of past land use patterns, rather post-depositional site formation processes. Therefore AHIMS 38-4-1742 is unlikely to contribute to regional research questions.	Nil to very low
Representativeness	The artefact identified near AHIMS 38-4-1742 is consistent with other artefacts identified in the lower Hunter Valley with regard to raw material, artefact type and distribution. The site area had been substantially disturbed and is not considered to be representative of artefact scatters in the wider archaeological landscape.	Nil to very low
Rarity	Isolated stone artefacts are ubiquitous across the lower Hunter Valley region. There are no distinguishing features to differentiate this artefact from other such Aboriginal objects in the region.	Nil to very low
Educational potential	The location from which the artefact was recovered is substantially disturbed and is not considered to be representative of lower Hunter Valley archaeology. The raw material and technology of the artefact are not considered rare in the local context and therefore the educational potential of the site is low, particularly in the context of larger, high density sites present in the local area.	Nil to very low



**Table 9.3 Archaeological (scientific) significance assessment of AHIMS 38-4-1289, AHIMS 38-4-1290, AHIMS 38-4-1688**

Criteria	Outcome	Significance
Research potential	NA	Nil
Representativeness	NA	Nil
Rarity	NA	Nil
Educational potential	NA	Nil

### 9.3 Statement of Significance

The test excavations of Survey Units 1, 2 and 3 identified very heavy disturbance with little to no soil profile above the clay base. One artefact was excavated in the top layer of SU1 TP5, which was assessed in the context of nearby PAD 38-4-1742. It is assessed that the archaeological significance of this artefact as part of 38-4-1742 is nil to very low. The archaeological significance of the other sites, AHIMS 38-4-1289, 38-4-1290 and 38-4-1688 is assessed to be nil, as no artefacts were identified at these sites.

Consultation with RAPs for the project and other projects in the local area indicates that the artefact retrieved during test excavation have cultural significance as part of the Wonnarua cultural landscape. *However, the Project Area is not considered to be of cultural value when considered in isolation.* Furthermore, it is considered to be of nil to very low archaeological significance when viewed as an individual location.

## 10 Impact Assessment

### 10.1 The Proposal

It is understood that the proposal involves the preparation of a staged development application in accordance with Section 83B of the *Environmental Planning and Assessment Act 1979* for an industrial subdivision. The concept development will be lodged to council in two parts:

Stage 1 – Development Application for Site Clearing (refer to Appendix A). This will include the removal of vegetation within the IN2 industrial zoned land and within the proposed access easement through the E2 zoned land.

Stage 2 – Industrial Subdivision and construction, including:

- Demolition;
- Clearing;
- Cut and fill;
- Earthworks and landscaping;
- Construction of roads;
- Construction of service infrastructure;
- Construction of industrial facilities.

### 10.2 Impact Assessment

The proposed activity as outlined in Section 10.1 above, will involve extensive disturbance and modification of the ground surface within the majority of the Project Area. Table 10.1 provides a summary of the impacts to the heritage significance of the Project Area.

**Table 10.1 Impact assessment**

Site ID / Name	Type of Harm	Degree of Harm	Consequence of Harm	Significance Before Impact
38-4-1289 / CTGM3 AT3	Direct	Total	Total loss of value	Nil
38-4-1290 / CTGM4 MC	Direct	Total	Total loss of value	Nil
38-4-1687 / Beresfield WP-AS2 artefacts	Indirect	Partial	Partial loss of value	Nil
38-4-1688 / CTGM PAD1 artefacts	Direct	Total	Total loss of value	Nil
38-4-1742 / AVC13/A	Direct	Partial	Partial loss of value	Nil to Very Low

## 11 Management and Mitigation

### 11.1 Guiding Principles

The overall guiding principle for cultural heritage management is to conserve Aboriginal heritage where possible. If all conservation options have been considered and exhausted, measures should be taken to mitigate impacts to Aboriginal cultural heritage.

The nature and extend of proposed mitigation measures is based on the significance assessment of the Aboriginal sites. The final recommendations should take into account the cultural significance assessment made in consultation with the Aboriginal community in their responses to this report and the ACHAR.

Mitigation measures vary depending on the assessment of archaeological significance of a particular site and are based on the significance criteria discussed in Section 9. In general, the significance of a site would influence the recommended conservation outcomes and appropriate mitigation measures, on the following basis:

- Low archaeological significance – conservation where possible, an AHIP would be required to impact the site prior to works commencing.
- Moderate archaeological significance – conservation where possible. If conservation is not practicable, salvage excavations or similar mechanisms determined in consultation with the Aboriginal community may be necessary under an AHIP.
- High archaeological significance – conservation as a priority. Only if all practicable alternatives have been exhausted would impacts under an AHIP be considered justified. Comprehensive salvage excavations may be necessary.

### 11.2 Mitigation Measures

The archaeological investigation program was aimed at locating the previously identified surface finds (AHIMS # 38-4-1289, 38-4-1290, 38-4-1688, area adjacent to 38-4-1687, the slope above 38-4-1742 and potential archaeological sensitivity area in Survey Unit 3) and investigating the nature and extent of potential archaeological deposits located in the Survey Units 1,2 & 3. One artefact was identified in Survey Unit 1, within 100 metres of AHIMS 38-4-1742. No other surface or subsurface archaeological resources were identified. The sites have been assessed to be of nil to low archaeological significance. The Project Area is not considered to be of significant cultural value when considered in isolation.

*The long term care and management of the retrieved artefact will be developed in consultation with the Registered Aboriginal Parties.*

#### 11.2.1 Precautionary Principles

The precautionary principle states that if there is a risk of serious or irreversible harm, lack of certainty should not be used as a reason for postponing cost-effective measures to prevent environmental degradation. The precautionary principle requires “careful evaluation to avoid, wherever practicable serious or irreversible damage to the environment” and “an assessment of the risk rated consequences of various options” (DECCW 2009: 26). It is important to consider the precautionary principle when:

- The proposal involves a risk of serious irreversible damage to an Aboriginal object or place, or to the value of that object or place.
- There is uncertainty about cultural or archaeological value, including in relation to the condition, rarity or representativeness of an Aboriginal object or place (DECCW 2009:26).

Archaeological test excavation identified the nature and extent of the archaeological deposits in Survey Units 1, 2 and 3. One stone artefact was collected from 59 pits during test excavations.

The proposal does involve risk of irreversible damage to an Aboriginal sites, however, archaeological investigation including test excavation has provided certainty regarding the archaeological value of the site. Consultation, undertaken as part of this ACHAR, has provided certainty regarding the cultural value of the sites. Survey Units 1, 2 and 3 have been found to have nil to low archaeological value, due to the highly disturbed nature of the site and the low potential for further research and education. One artefact was identified and retrieved. The Project Area is considered to be of cultural significance in terms of the wider Aboriginal cultural landscape. However, it is not considered to be of significant cultural value when considered in isolation.

Therefore the precautionary principle is considered to be satisfied through archaeological investigations and stakeholder consultation undertaken as part of this ACHAR.

### 11.2.2 Intergenerational Equity

Intergenerational equity is defined as the principle that the “present generation should ensure the health, diversity and productivity of the environment for the benefit of future generations” (DECCW 2009:29). Intergenerational equity requires an understanding of the cultural and archaeological landscape, and must consider the cumulative impact of a proposal.

Previous studies conducted around the Project Area and across the Hunter Valley have identified the ubiquitous nature of sparse artefact scatters in the region. The test excavations undertaken for this assessment have identified one stone artefact in the Project Area. The Project Area has been assessed to be of nil to low archaeological significance with nil to low research or educational potential. The artefact that was retrieved from SU1 TP5 could not contribute new information to research questions about Aboriginal land use practices across the Hunter Valley in the past. Therefore this document is considered to satisfy the principle of intergenerational equity.

## 11.3 Proposed Management Policy for Aboriginal Heritage

### 11.3.1 Unexpected Finds Procedure

An unexpected finds procedure will provide a method to manage potential heritage constraints and unexpected finds during construction works. If suspected Aboriginal objects are identified during construction work should stop immediately and the local LALC, OEH and an archaeologist contacted to identify and record the objects. This procedure should be made accessible to all staff and contractors working within the Project Area via tool box talks and display in break out rooms/ site offices.

### 11.3.2 Discovery of Human Remains

If suspected human remains are located during any stage of the proposed works, work should stop immediately and the NSW Police and the Coroner's Office should be notified. The OEH, Aboriginal stakeholder groups and an archaeologist should be contacted if the remains are found to be Aboriginal.

#### Procedure for the Discovery of Aboriginal Ancestry Remains

The procedures outlined in the Code of Practice (Requirement 25) will be followed for the discovery of Aboriginal ancestral remains. Aboriginal ancestral remains may be found in a variety of landscapes throughout NSW, although most frequently they are found in middens, sand dunes, lunettes, bordering dunes and other sandy or soft sedimentary soils. Aboriginal ancestral remains are not predicted to be present in the Project Area; however these protocols will be followed should they be uncovered:

1. No further disturbance or movement to the remains
2. Immediately cease all work at the particular location
3. Notify NSW Police

4. Notify the OEH Environment Line on 131 555 as soon as practicable and provide available details of the remains and their location
5. Not recommence any work at the particular location unless authorised in writing by OEH.

Recording of Aboriginal ancestral remains must be undertaken by, or be conducted under the direct supervision of, a specialist physical anthropologist or other suitably qualified person and will be accompanied by Aboriginal community representatives.

Archaeological reporting of Aboriginal ancestral remains will be undertaken by, or reviewed by, a specialist physical anthropologist or other suitably qualified person, with the intent of using respectful and appropriate language and treating the ancestral remains as the remains of Aboriginal people rather than as scientific specimens (DECCW, now OEH 2010).

### 11.3.3 Ongoing Consultation with Aboriginal Stakeholder Groups

Consultation with registered Aboriginal stakeholders would continue throughout the life of the project if necessary.

This would include circumstances where:

- a. There is an amendment to the Aboriginal Heritage Impact Permit, and
- b. An artefact is encountered and triggers the requirement of the 'Unexpected Finds Procedure'.

### 11.3.4 Management of Aboriginal Objects

As one Aboriginal object was recovered during the test excavation program, management is required in this instance. Temporary and permanent storage locations are required for the artefact retrieved during the test excavation.

The temporary storage of the artefacts is at the RPS Office, Unit 2A, 45 Fitzroy Street Carrington NSW, in a locked cabinet. Options for permanent storage are as follows:

#### Reburial

The Aboriginal object recovered during test excavation works under the proposed AHIP could be reburied within the Project Area within an area that would not be impacted by any future development works. This would be done in consultation with the proponent and the RAPs.

The proposed reburial methodology would adhere to the Code of Practice (page 35) this would include the following steps

- Completion of full artefact catalogue including photographic and drawn records for diagnostic artefacts
- Production of the catalogue in hardcopy and softcopy to be included with the artefacts
- All stone artefacts would be individually bagged and tagged with the artefact ID, provenance and project details written on the outside of the bags as well as individual tags so that they can be referenced back to the catalogue
- All artefacts would be double bagged in good quality plastic zip-lock bags
- The artefact assemblage and catalogue would be placed in a suitable impervious and permanent container which would also be labelled as above.
- A site update card would be forwarded to the OEH AHIMS registrar with information on the location and depth of reburial.



### **Storage at the Mindaribba Local Aboriginal Land Council**

The Aboriginal object recovered during test excavation could be stored at the Mindaribba LALC office under a Care and Control Agreement.

### **Other Location**

Additional options nominated by the RAPs would be considered in consultation with all RAPs and the OEH.

## 12 Conclusions and Recommendations

### 12.1 Conclusions

This archaeological technical report has been compiled in accordance with the Code of Practice, the Guide and in consideration of the NPW Act. The following conclusions have been drawn from the available environmental and archaeological information for the Project Area as well as the results of the archaeological survey and test excavations conducted for this assessment.

#### 12.1.1 Archaeological Survey

During the survey it was found that

- The Project Area has been subject to previous disturbances and modification that have impacted a large portion of Lot 1131, DP1057179, John Renshaw Drive, Black Hill NSW.
- No surface artefacts or culturally scarred trees were identified.
- The extent of the Project Area was assessed and archaeological investigations focussed on three Survey Units, to exclude areas of high disturbance.

#### 12.1.2 Archaeological Test Excavations

- The archaeological test excavations conducted within the Project Area consisted of 59 test pits in three Survey Units, each 500 millimetres by 500 millimetres in area.
- Test excavation pits were placed inside the defined boundaries of the Survey Units to better assess the extent of any archaeological deposits.
- The archaeological test excavations identified one stone artefact. No archaeological features were identified within the Project Area.
- The test excavation was conducted over nine days between 06 September and 18 September 2018. The test excavations were attended by representatives from Mindaribba LALC, Cacatua Culture Consultants, AGA Services, Gidawaa Walang, Didge Ngunawal Clan and Steve Talbot, as well as heritage consultants from RPS. The full list of attendees is summarised in Table 3.3 and Table 7.9.

### 12.2 Recommendations

RPS provides the following recommendations in relation to the proposed activities to be undertaken in the Project Area. The recommendations have been formulated in consideration of the conclusions of this report and in accordance with the NPW Act.

#### Recommendation 1

Based on the results of the sample archaeological survey, test excavation and stakeholder consultation, sites AHIMS # 38-4-1289, 38-4-1290 and 38-4-1688 are assessed to have nil archaeological significance and the artefact identified on the slope above 38-4-1742 was assessed to have very low archaeological significance. All the sites are considered to have low cultural significance. No further archaeological investigation of these sites within the Project Area is required.

#### Recommendation 2

Prior to any works proceeding within the Project Area, an AHIP must be obtained for the proposal. This ACHAR should be submitted with an AHIP application to OEH for consideration.

#### Recommendation 3

A site impact recording form should be submitted to AHIMS for the following:

- AHIMS 38-4-1289 – to be submitted for this site to change status to “Not a Site”;
- AHIMS 38-4-1290 – to be submitted for this site to change status to “Not a Site”; and
- AHIMS 38-4-1688– to be submitted for this site to change status to “Not a Site”.

#### **Recommendation 4**

Management of the Aboriginal object recovered from the test excavation program will be determined during community collection works. Options include those outlined in Section 11.3 of this report.

#### **Recommendation 5**

All relevant staff should be made aware of their statutory obligations for heritage under the *National Parks and Wildlife Act 1974* and the *Heritage Act 1977*. This should be in the form of a heritage induction on site prior to works.

#### **Recommendation 6**

If changes are made to the Proposal and work activities that are addressed in this ACHAR, further archaeological and/or cultural heritage assessment may be required.

#### **Recommendation 7**

An unexpected finds procedure will provide a method to manage potential heritage constraints and unexpected finds during construction works. If suspected Aboriginal objects are identified during construction work should stop immediately and Mindaribba LALC, OEH and an archaeologist contacted to identify and record the objects. This procedure should be made accessible to all on site employees and contractors working within the Project Area via tool box talks and display in break out rooms/ sites offices.

#### **Recommendation 8**

If any human remains (or suspected human remains) are discovered and/or harmed within the Project Area the proponent must:

- i. Immediately cease all activity at the site;
- ii. Ensure no further harm occurs, secure the area so as to avoid further harm to the remains;
- iii. Notify an archaeologist, the local police and OEH's Environment Line on 131 555 as soon as practicable and provide any available details of the remains and their location; and
- iv. Not recommence any activity at the site unless authorised in writing by OEH.

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## 14 Plates

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**Plate 14.1 Survey Unit 1 Vegetation facing north east (RPS 2018)**



**Plate 14.2 Survey Unit 1 Soils (RPS 2018)**





**Plate 14.3 Survey Unit 1 Easement facing south (RPS 2018)**



**Plate 14.4 Location of 38-4-1742 facing south west (RPS 2018)**



**Plate 14.5** Survey Unit 2 near John Renshaw Drive, facing north west, also the location of AHIMS 38-4-1289 (RPS 2018)



**Plate 14.6** Survey Unit 2 Vegetation, facing north (RPS 2018)





**Plate 14.7 Survey Unit 2 Soils (RPS 2018)**



**Plate 14.8 Location of 38-4-1290, facing east (RPS 2018)**



**Plate 14.9 Location of 38-4-1687, facing east (RPS 2018)**



**Plate 14.10 Location of 38-4-1688, facing north west (RPS 2018)**





9

**Plate 14.11 Survey Unit 3 Vegetation, facing west (RPS 2018)**



**Plate 14.12 Survey Unit 3 ground surface exposure (RPS 2018)**



**Plate 14.13 Survey Unit 4, location of former poultry sheds with modified land (RPS 2018)**



**Plate 14.14 Survey Unit 4, disturbances from farm use including roads (RPS 2018)**





**Plate 14.15 Survey Unit 1, visibility at SU1 PT1 (RPS 2018)**



**Plate 14.16 Survey Unit 1, north section of soil profile in excavation pit (RPS 2018)**





**Plate 14.17 Survey Unit 2, visibility and exposure at excavation pit (SU2 PT6) (RPS 2018)**



**Plate 14.18 Survey Unit 2, north section of soil profile in excavation pit (RPS 2018)**





**Plate 14.19 Survey Unit 3, visibility and exposure around excavation pit (RPS 2018)**



**Plate 14.20 Survey Unit 3, north section of soil profile in excavation pit (RPS 2018)**





**Plate 14.21** Survey Unit 3, heavy disturbance, invasive lantana and demolition material (RPS 2018)



**Plate 14.22** SU1 TP5, banded mudstone flake – ventral view (RPS 2018)





**Plate 14.23 SU1 TP5, banded mudstone flake artefacts – dorsal view (RPS 2018)**

# Appendix A

## Proposal

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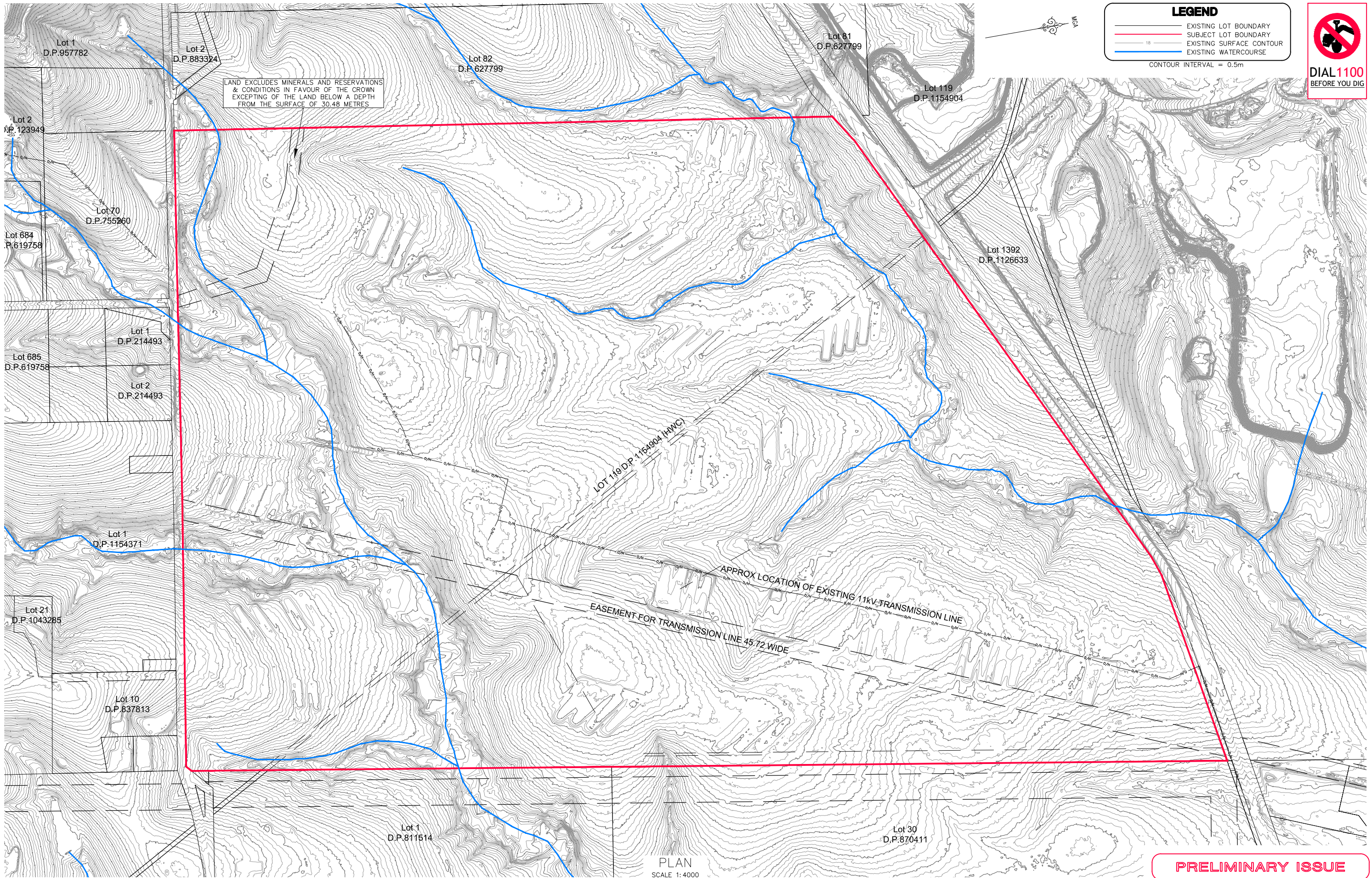




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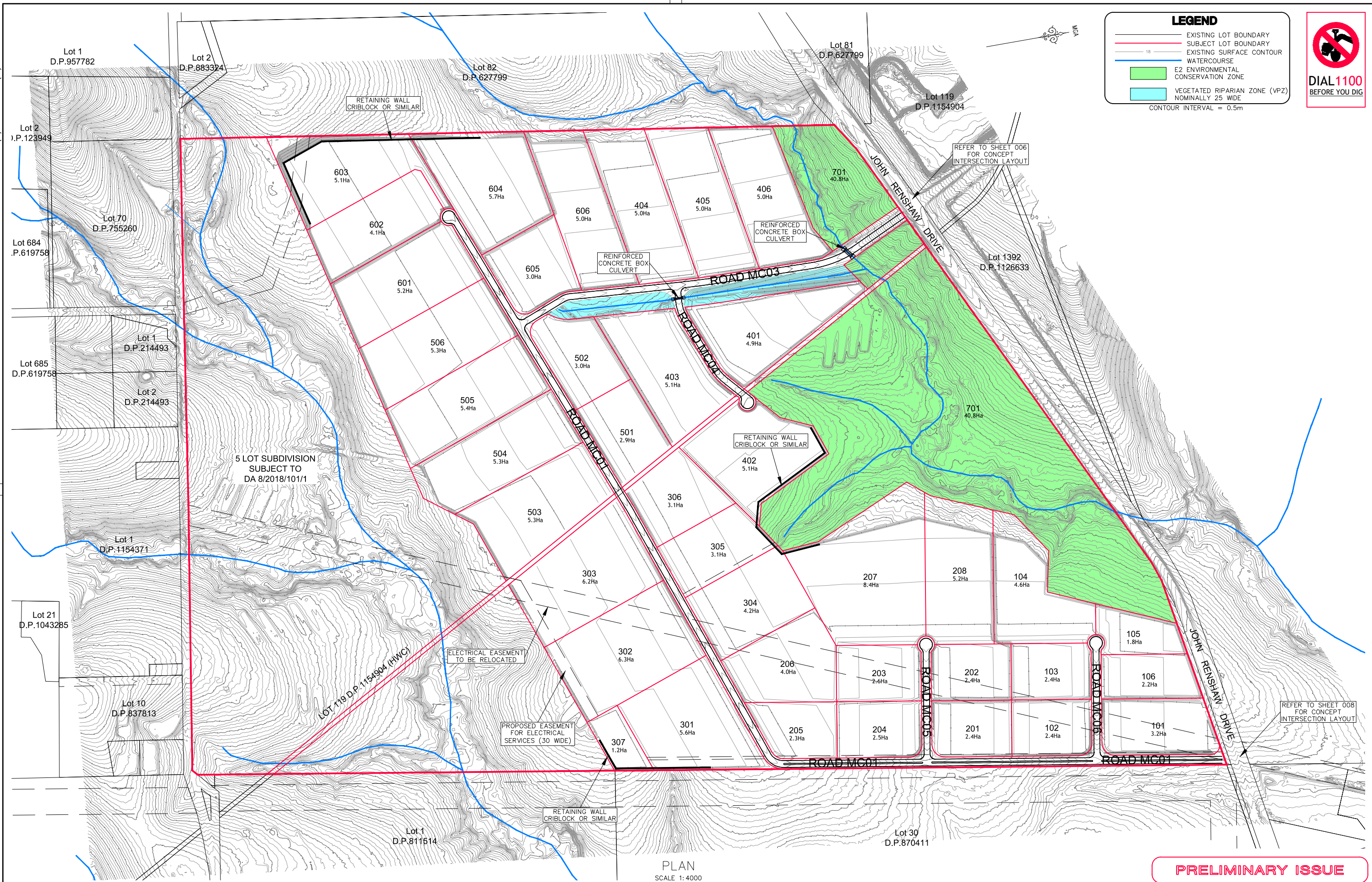
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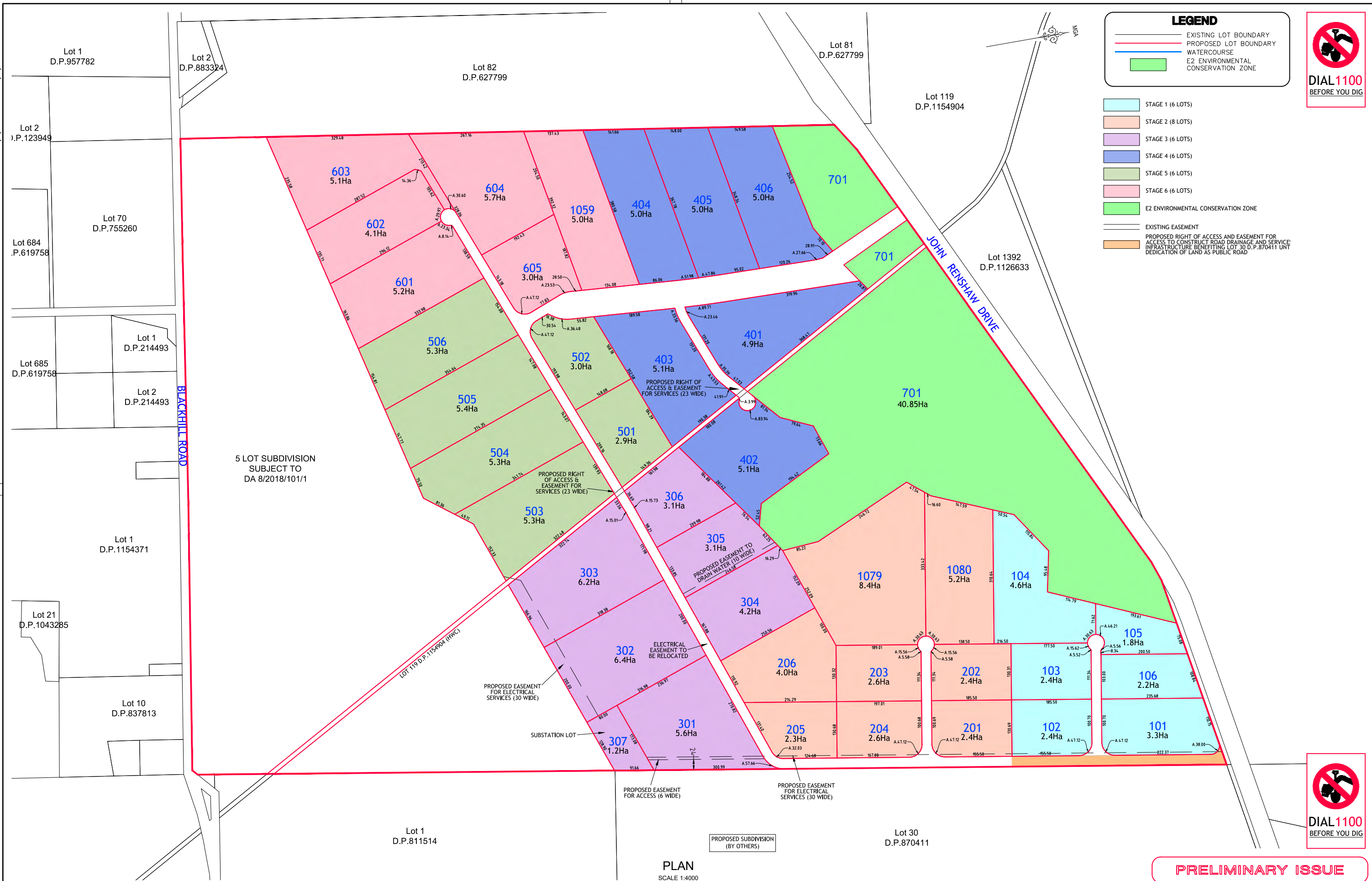
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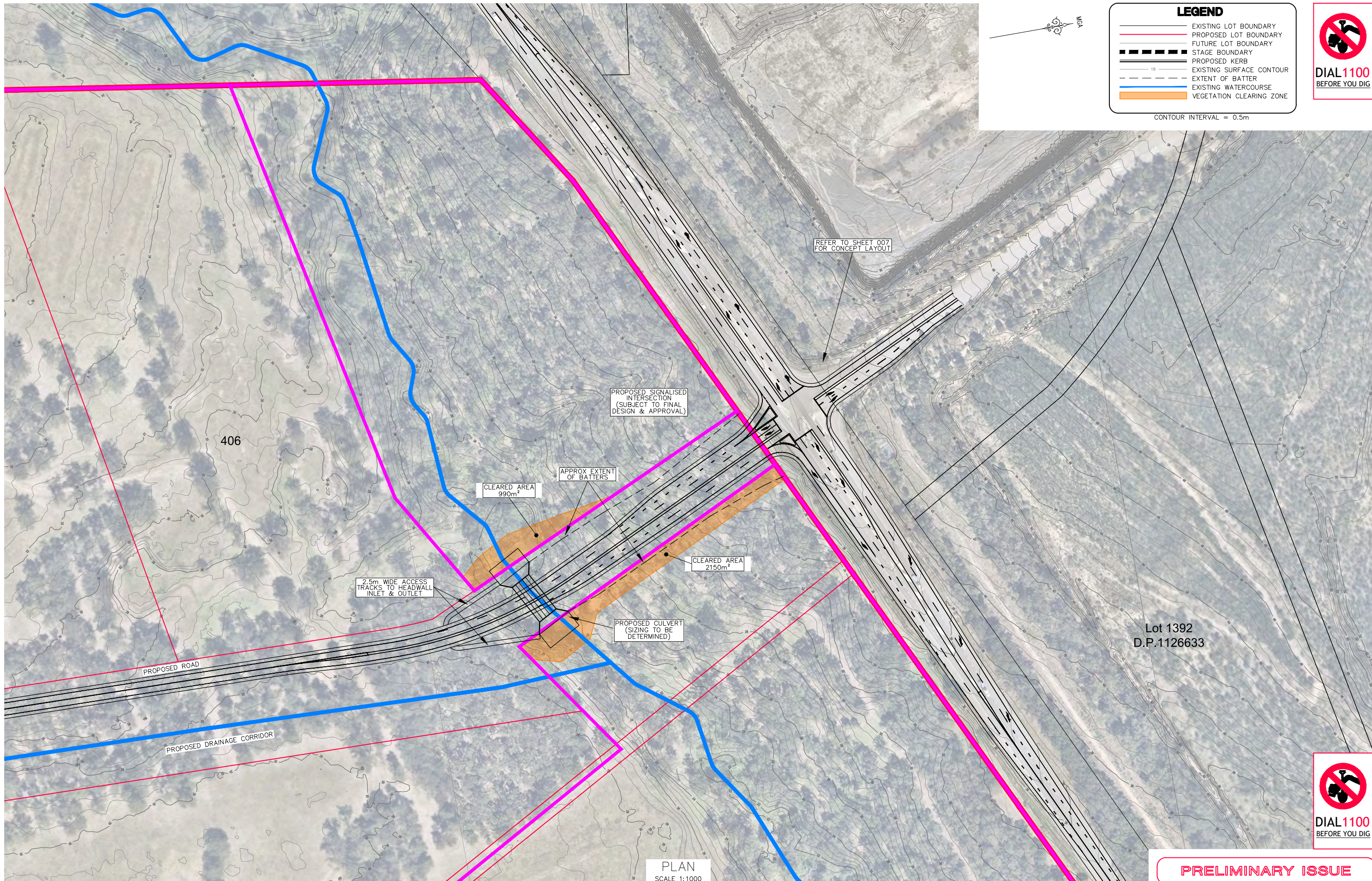
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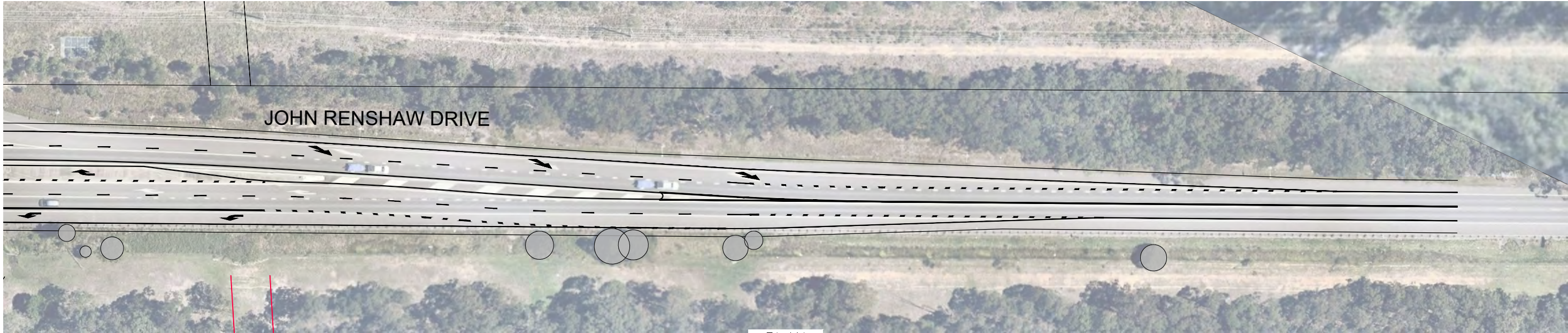
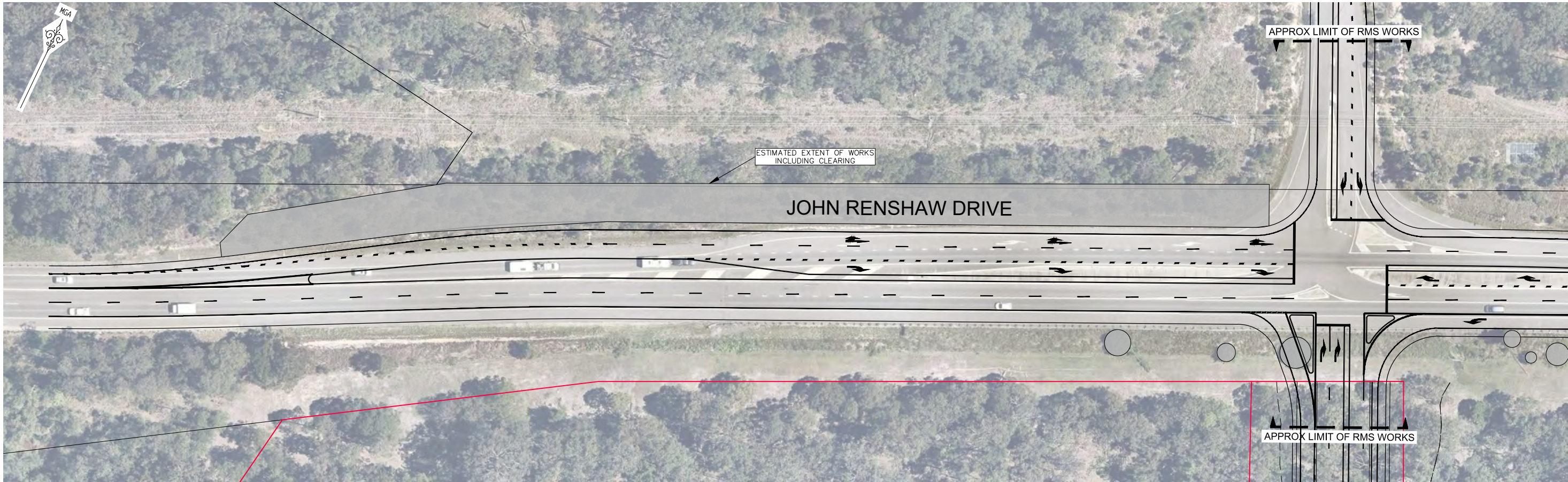
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PLAN  
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- NOTES:
- 1. INTERSECTION LAYOUT AND LANE CONFIGURATION BASED ON FIGURE3-8 FROM HYDER TRAFFIC AND TRANSPORT REPORT DATED SEPTEMBER 2013.
  - 2. THE REQUIREMENT FOR MEDIAN ISLANDS, INCLUDING WIDTHS, IS SUBJECT TO A TRAFFIC CONTROL SIGNAL (TCS) DESIGN TO CONFIRM THE LOCATION OF SIGNAL POSTS.
  - 3. A DEDICATED ON ROAD CYCLEWAY HAS NOT BEEN PROVIDED AS THERE IS NO CYCLEWAY NETWORK ON THE EXISTING ROAD NETWORK.

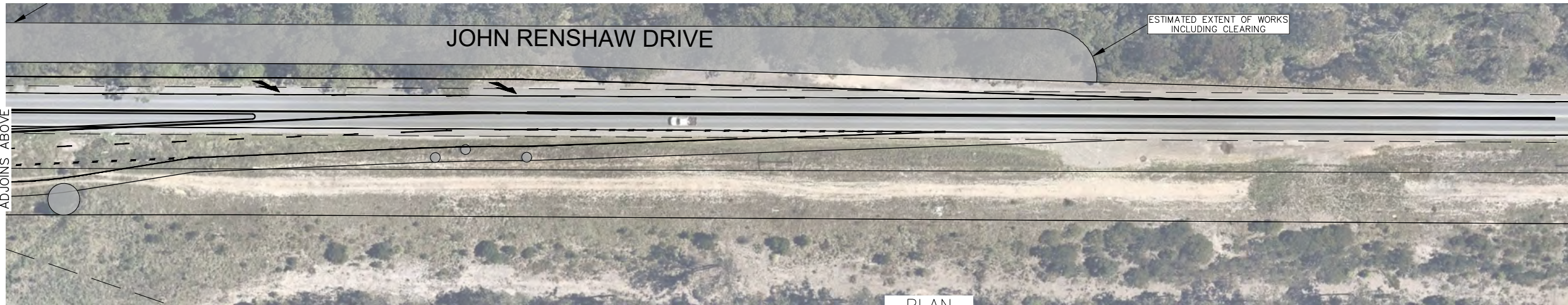
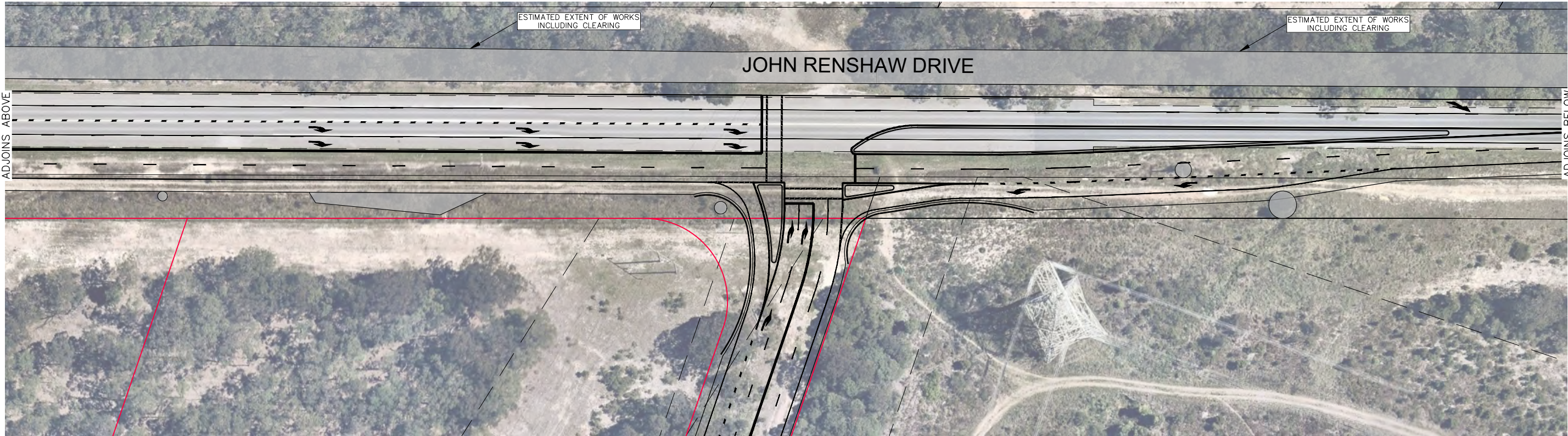
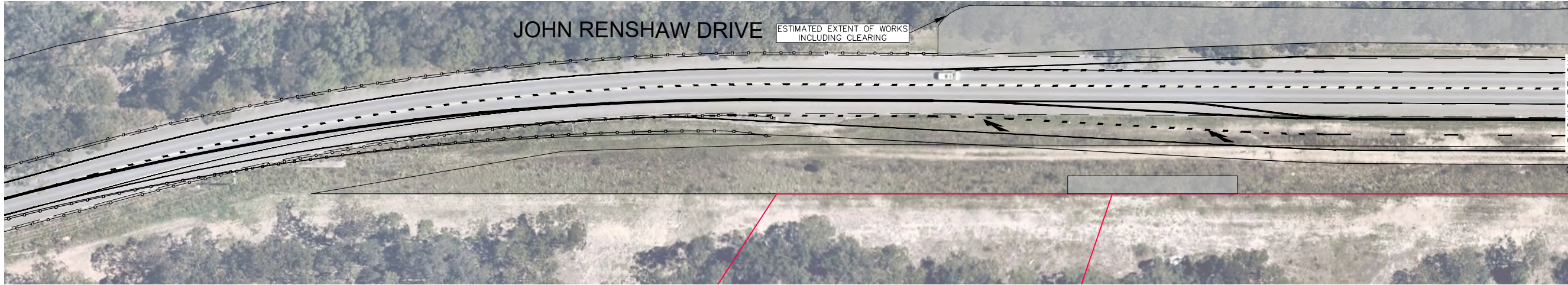


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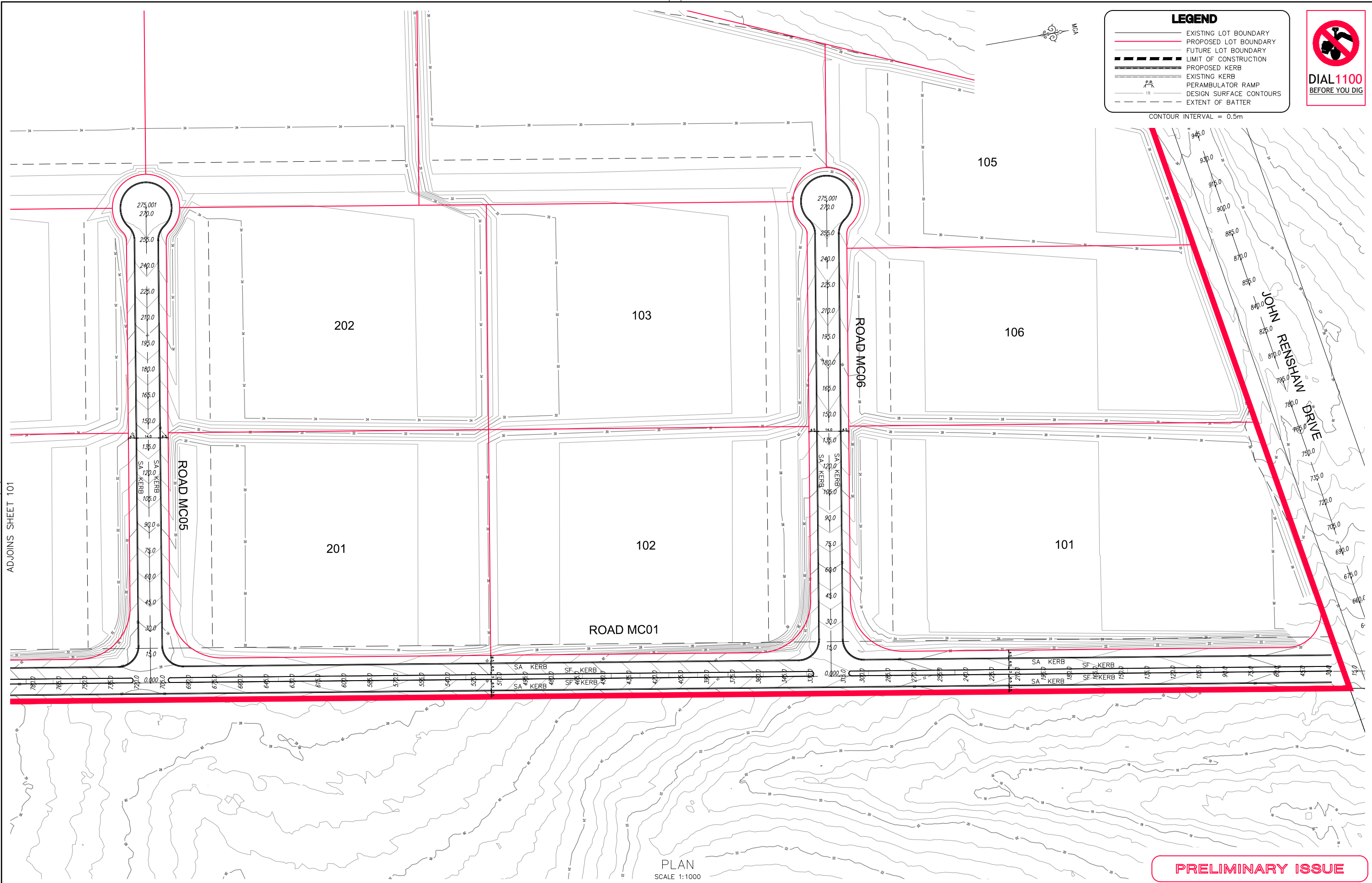
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239590(1)-CENG-101(D)



REV.		DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES			Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT BLACK HILL CONCEPT PLANS			
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	 A1 / A3 1:1000 / 1:2000		PLAN TITLE				DETAIL PLAN: SHEET 1					
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.			PROJECT No.				DISCIPLINE	NUMBER	REV.			
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.			239590(1)				CENG	101	D			
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.												
DESIGN FILE N:\239590\Design\12D\								ALL DIMENSIONS ARE IN METRES. DO NOT SCALE										

239590(1)-CENG-102(D)

ADJOINS SHEET 103



**LEGEND**

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- FUTURE LOT BOUNDARY
- LIMIT OF CONSTRUCTION
- PROPOSED KERB
- EXISTING KERB
- PERAMBULATOR RAMP
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER

CONTOUR INTERVAL = 0.5m

DIAL 1100  
BEFORE YOU DIG

302

304

206

203

301

205

204

307

ROAD MC01

ROAD MC01

ADJOINS SHEET 101

PLAN  
SCALE 1:1000

PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	<div>0 10 20 30 40 A1 / A3</div> <div>1:1000 / 1:2000</div>
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.	
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.	
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.	



Hunter Office  
Unit 7/335 Hillsborough Rd  
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Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: hunter@adwjohnson.com.au  
www.adwjohnson.com.au  
ABN 62 129 445 398

CLIENT

BROADEN MANAGEMENT  
PTY LTD

PROPERTY DESCRIPTION

BLACK HILL  
INDUSTRIAL SUBDIVISION  
LOT 1131 D.P.1057179  
JOHN RENSHAW DRIVE, BLACK HILL  
DEVELOPMENT APPLICATION

PROJECT

BLACK HILL CONCEPT PLANS

PLAN TITLE

DETAIL PLAN: SHEET 2

SURVEYED

ADW Johnson

DATUM

A.H.D.

PROJECT No.

239590(1)

DISCIPLINE

CENG

NUMBER

102

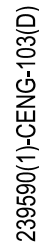
REV.

D

DESIGN FILE N:\239590\Design\12D\  
Plotted By: elizabethg Plot Date: 17/08/18 - 10:04 Cad File: N:\239590\Drawings\Engineering\Civil\CONCEPT\239590(1)-CENG-102(D).dwg



100mm AT FULL SIZE

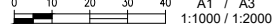


SCALE 1:1000

ADJOINS SHEET 102

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	Z.J.	R.K.	Z.J.	R.K.
	E.G.	R.K.	Z.J.	R.K.
	E.G.	R.K.	Z.J.	R.K.

0



**Hunter Office**  
Unit 7/335 Hillsborough Rd  
Warners Bay N.S.W. 2282  
Phone: (02) 4978 5100  
Fax: (02) 4978 5199  
email: [hunter@adwjohnson.com.au](mailto:hunter@adwjohnson.com.au)  
[www.adwjohnson.com.au](http://www.adwjohnson.com.au)  
ABN 62 129 445 398

CLIENT

BROADEN MANAGEMENT  
PTY LTD

PROPERTY DESCRIPTION

BLACK HILL  
INDUSTRIAL SUBDIVISION  
LOT 1131 D.P.1057179  
JOHN RENSHAW DRIVE, BLACK HILL  
DEVELOPMENT APPLICATION

ADW Johnson

DATUM

M. A. L. D.

PROJECT

## BLACK HILL CONCEPT PLANS

PLAN TITLE

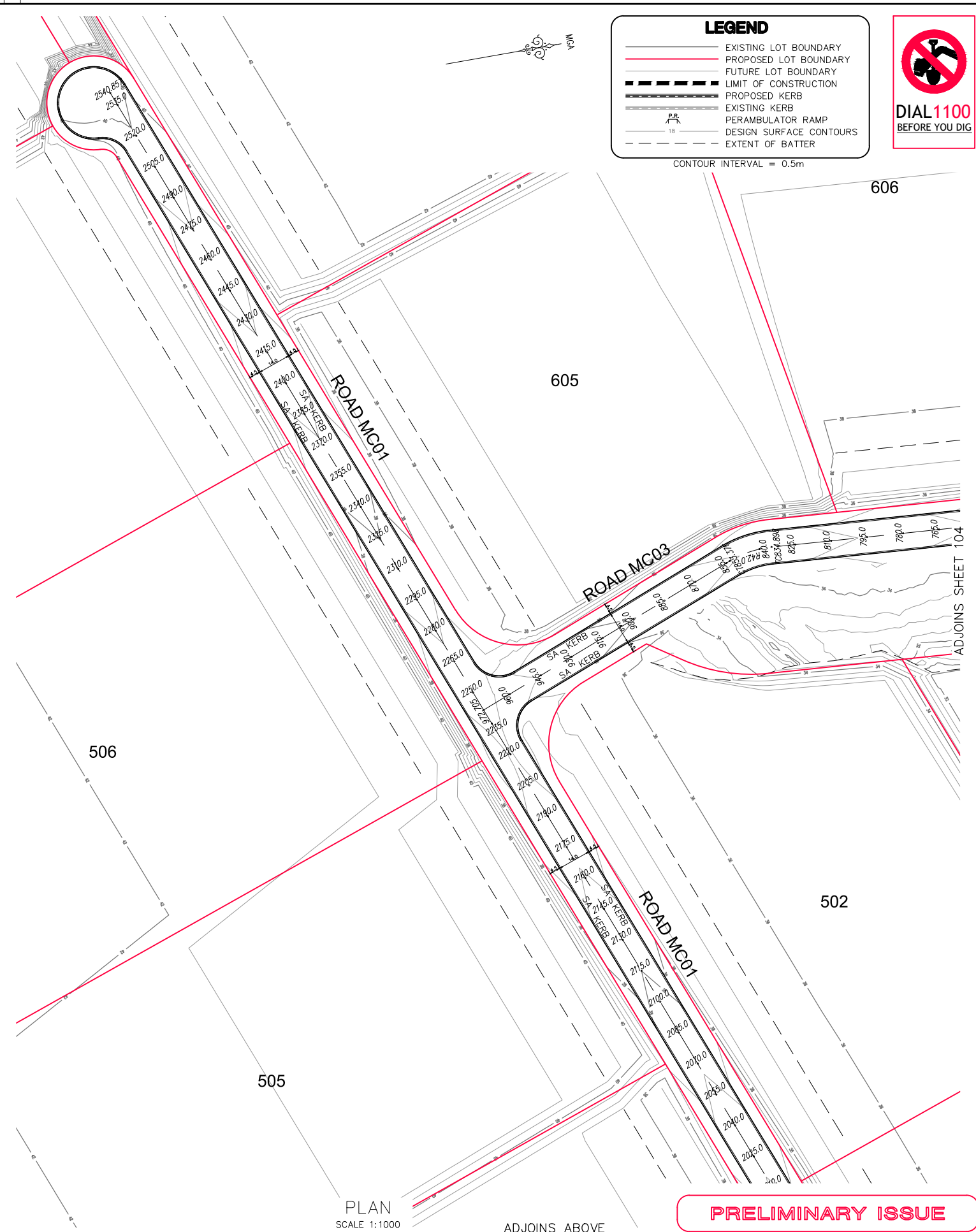
DETAIL PLAN: SHEET 3

PROJECT N<sup>o</sup>.  
22050

DISCIPLINE  
GENC

NUMBER  
103REV  
D

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Plotted By: elizabetha Plot Date: 17/08/18 - 10:04 Cad File: N:\239590\Drawings\Engineering\Civil\CONCEPT\239590(1)-CENG-103(D).dwg



PRELIMINARY ISSUE

SCALE 1:1000

ADJOINS ABOVE

606

605

ROAD MC01

ROAD MC03

ROAD MC01

215.0

502

ADJOINS SHEET 104

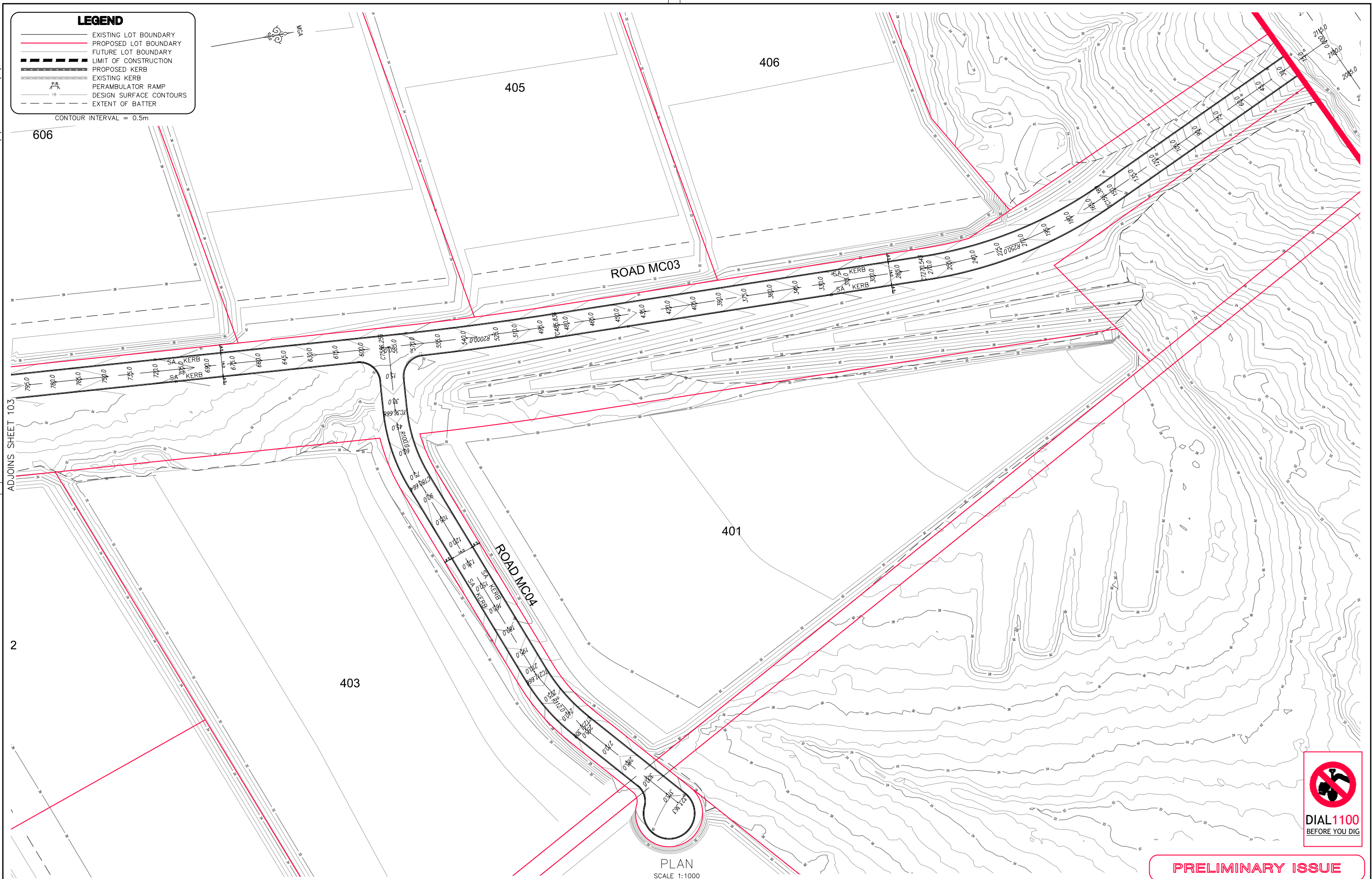
**DIAL 1100**  
BEFORE YOU DIG

## LEGEND

- 
- EXISTING LOT BOUNDARY  
 ————— PROPOSED LOT BOUNDARY  
 ————— FUTURE LOT BOUNDARY  
 ■ ■ ■ ■ ■ LIMIT OF CONSTRUCTION  
 ————— PROPOSED KERB  
 ————— EXISTING KERB  
 P/R PERAMBULATOR RAMP  
 ————— 15' ————— DESIGN SURFACE CONTOURS  
 - - - - - EXTENT OF BATTER

CONTOUR INTERVAL = 0.5m





REV.	DATE	AMENDMENT
A	03.08.2018	INITIAL ISSUE
B	10.08.2018	AMENDMENTS PER INSTRUCTION
C	14.08.2018	AMENDMENTS PER INSTRUCTION
D	17.08.2018	AMENDMENTS PER INSTRUCTION

DRAWN	CHECK	DESIGN	VERIFY
E.G.	R.K.	Z.J.	R.K.
Z.J.	R.K.	Z.J.	R.K.
E.G.	R.K.	Z.J.	R.K.

SCALES
0 10 20 30 40 A1 / A3 1:1000 / 1:2000



Hunter Office  
Unit 7/335 Hillsborough Rd  
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Phone: (02) 4978 5100  
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www.adwjohnson.com.au  
ABN 62 129 445 398

CLIENT  
**BROADEN MANAGEMENT  
PTY LTD**

PROPERTY DESCRIPTION  
**BLACK HILL  
INDUSTRIAL SUBDIVISION  
LOT 1131 D.P.1057179  
JOHN RENSHAW DRIVE, BLACK HILL  
DEVELOPMENT APPLICATION**

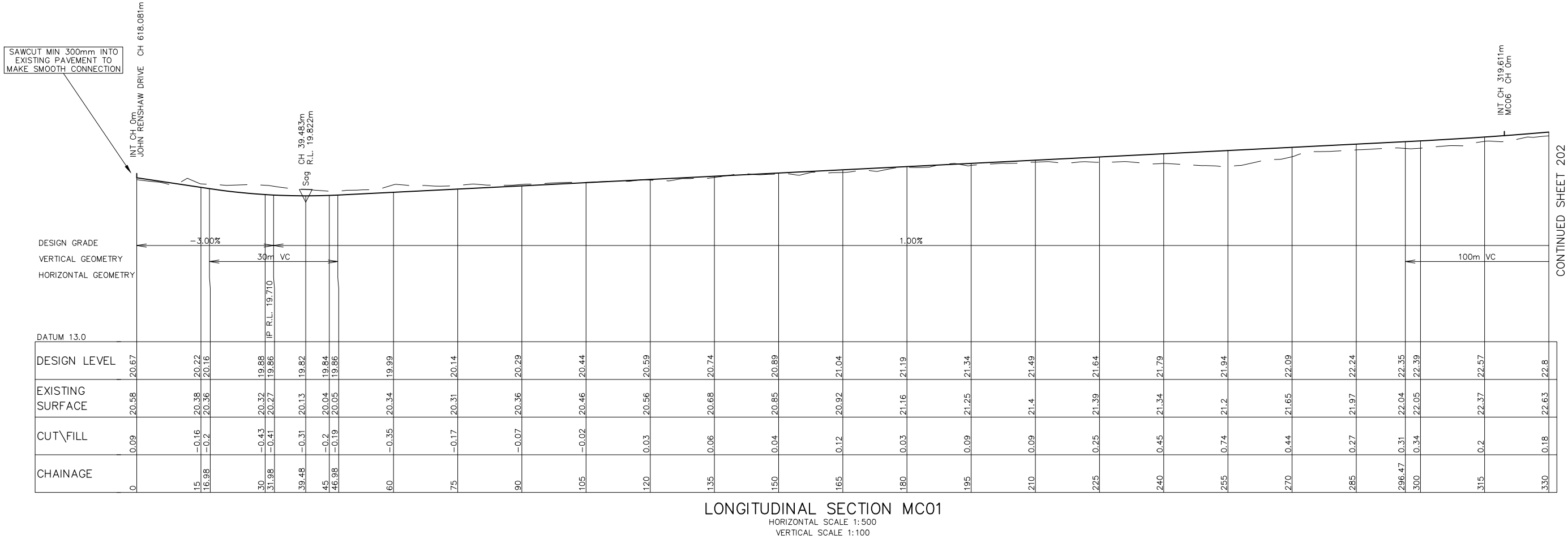
SURVEYED  
ADW Johnson

DATUM  
A.H.D.

PROJECT  
**BLACK HILL CONCEPT PLANS**

PLAN TITLE  
**DETAIL PLAN: SHEET 4**

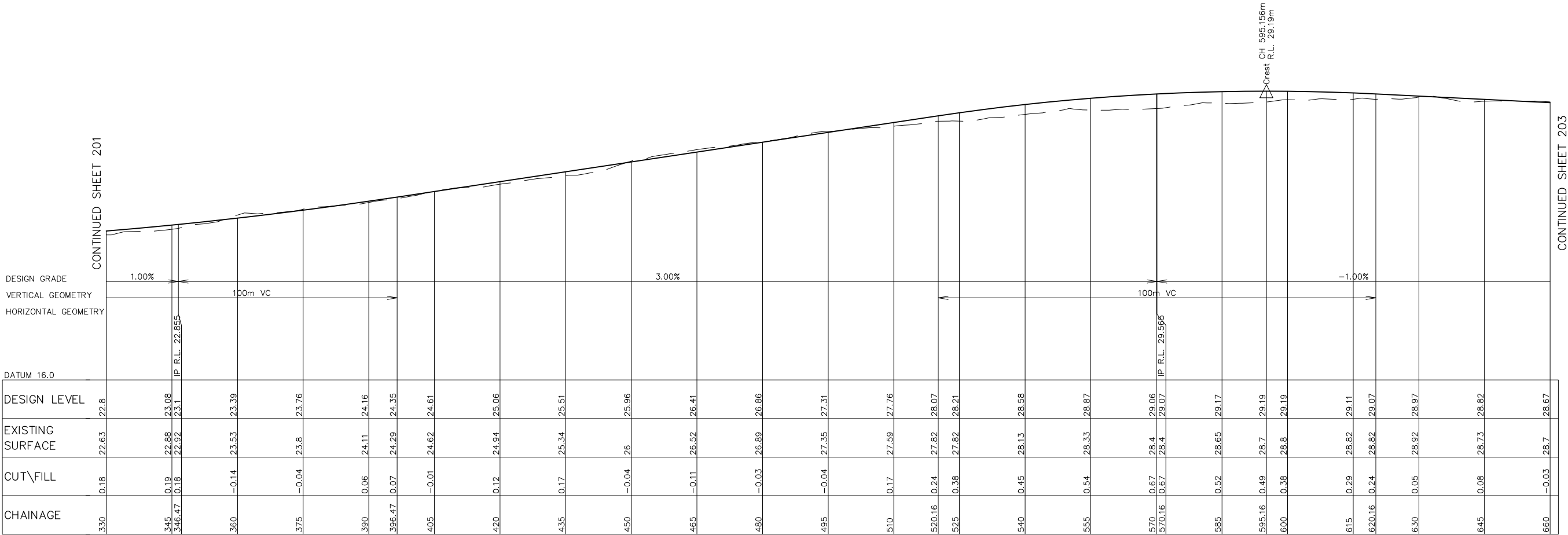
PROJECT No. <b>239590(1)</b>	DISCIPLINE <b>- CENG</b>	NUMBER <b>- 104</b>	REV. <b>D</b>
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PRELIMINARY ISSUE

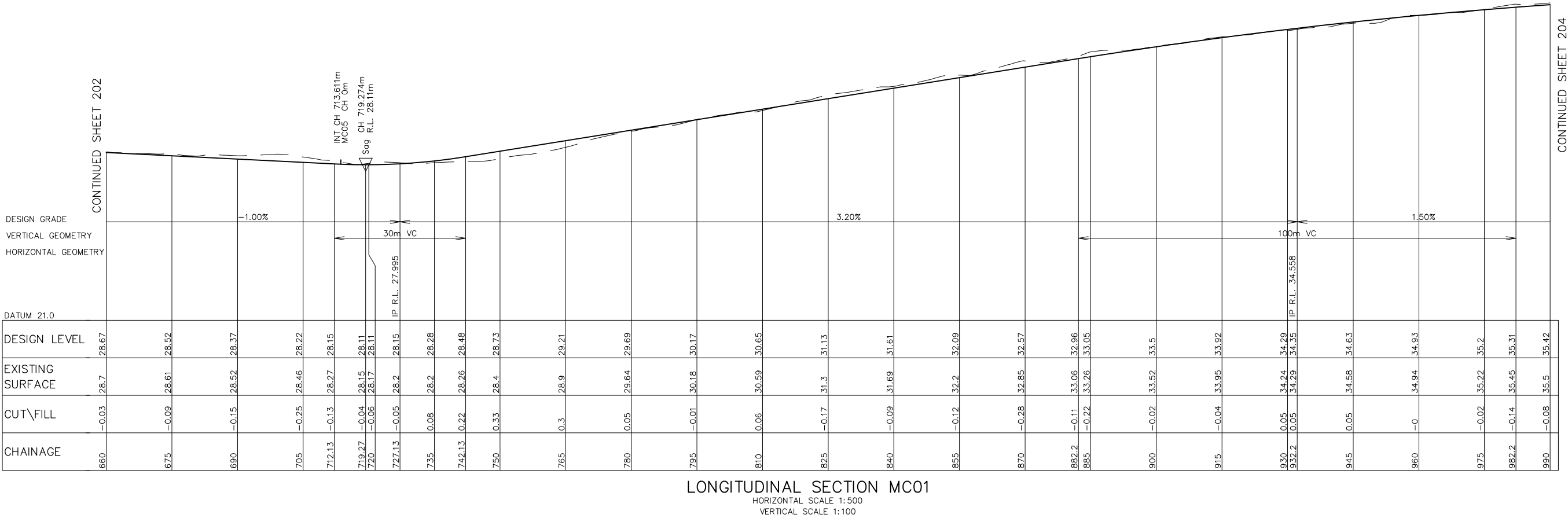
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		PROJECT BLACK HILL CONCEPT PLANS				
A B C D	03.08.2018 10.08.2018 14.08.2018 17.08.2018	INITIAL ISSUE AMENDMENTS PER INSTRUCTION AMENDMENTS PER INSTRUCTION AMENDMENTS PER INSTRUCTION	E.G. Z.J. R.K. E.G.	R.K. R.K. R.K. R.K.	Z.J. Z.J. Z.J. Z.J.	R.K. R.K. R.K. R.K.	PLAN TITLE ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 1										
							PROJECT No. 239590(1)						DISCIPLINE - CENG	NUMBER - 201	REV. D		
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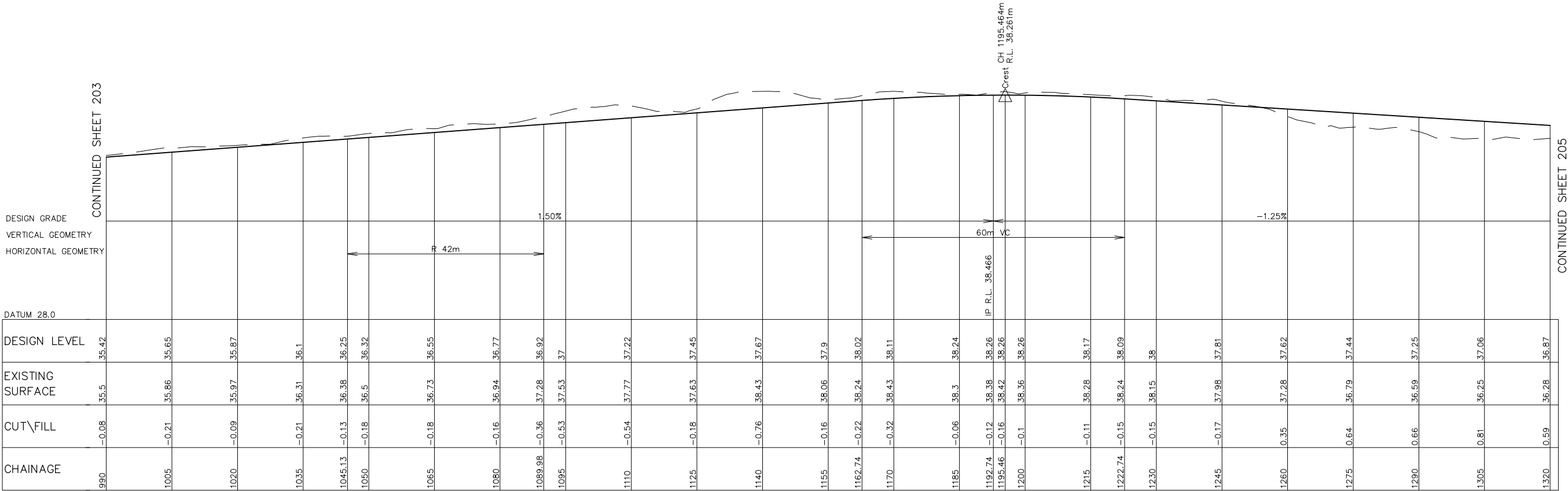
PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION  BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION	PROJECT BLACK HILL CONCEPT PLANS			
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	 VERT  HORIZ					PLAN TITLE  ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 2			
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.									
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.									
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.									
DESIGN FILE N:\239590\Design\12D\							ALL DIMENSIONS ARE IN METRES. DO NOT SCALE								




PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION  BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		PROJECT BLACK HILL CONCEPT PLANS									
		AMENDMENTS PER INSTRUCTION	E.G. Z.J. E.G. E.G.	R.K. R.K. R.K. R.K.	Z.J. Z.J. Z.J. Z.J.	R.K. R.K. R.K. R.K.	PLAN TITLE  ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 3															
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.																
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.																
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.																
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.																
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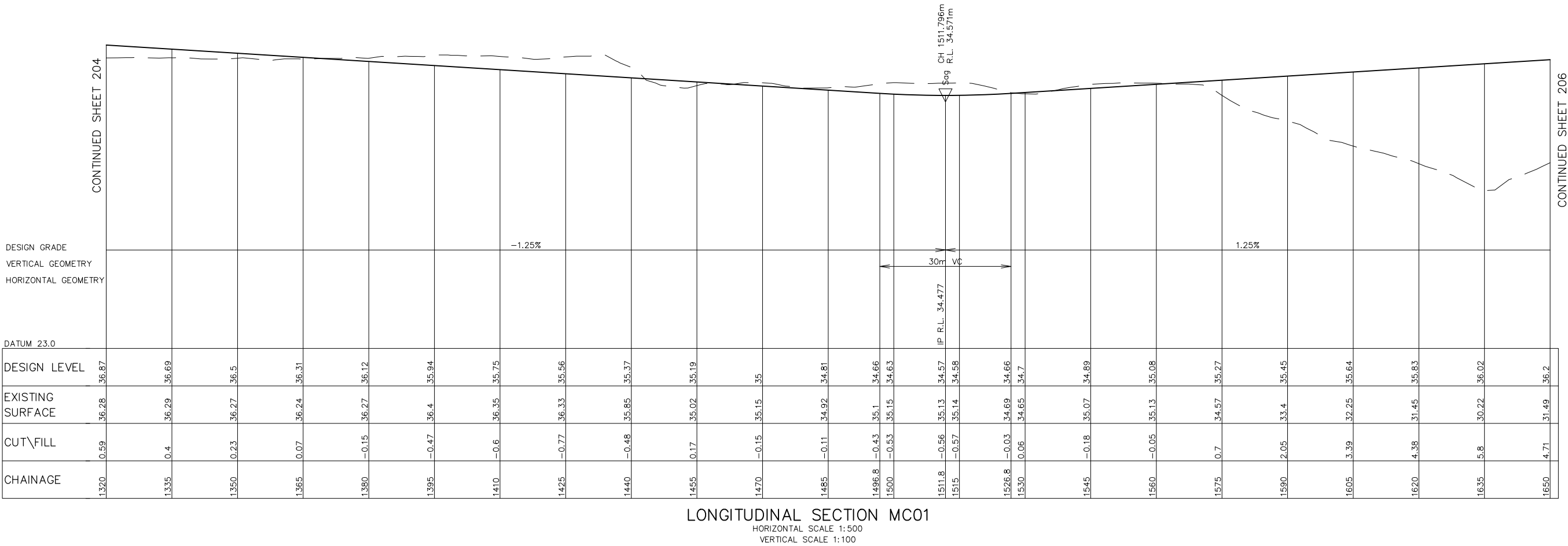


LONGITUDINAL SECTION MC01  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100

PRELIMINARY ISSUE

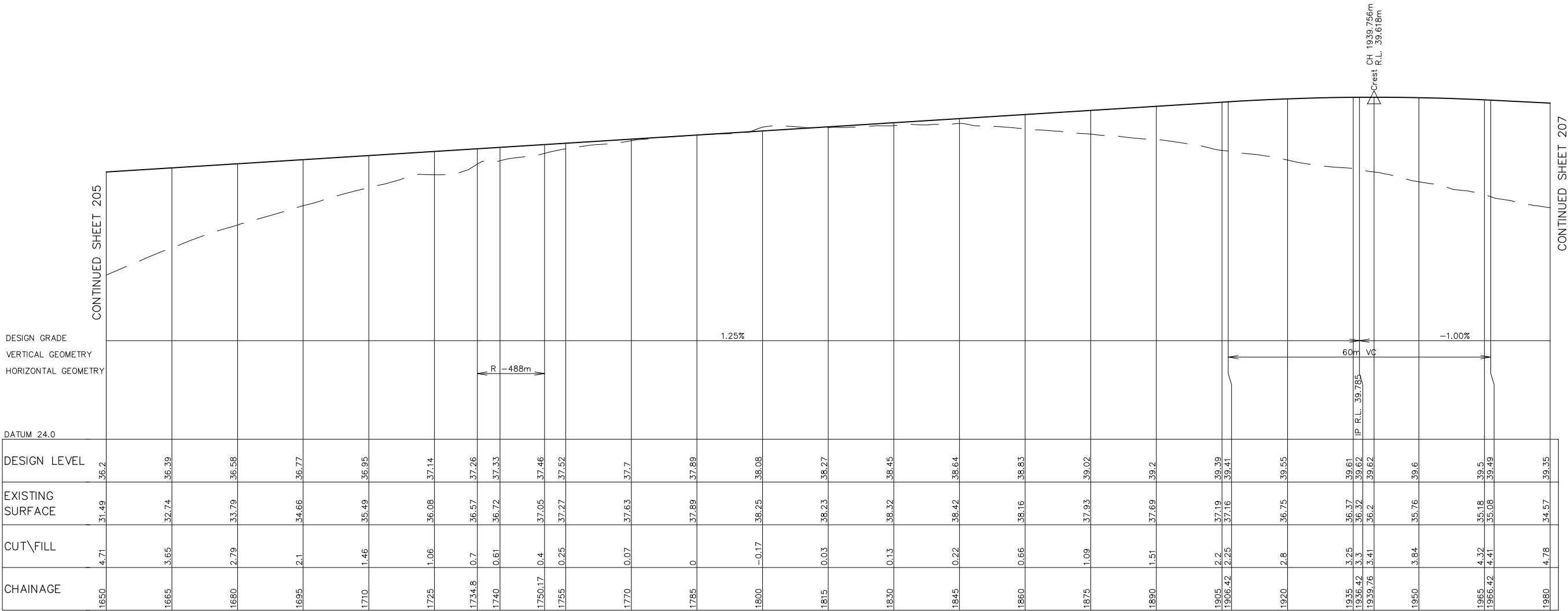
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT			
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.					BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		BLACK HILL CONCEPT PLANS			
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.										
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.							ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 4			
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
DESIGN FILE N:\239590\Design\12D\							ALL DIMENSIONS ARE IN METRES. DO NOT SCALE		SURVEYED ADW Johnson		DATUM A.H.D.		PROJECT No. 239590(1)	DISCIPLINE - CENG	NUMBER - 204	REV. D





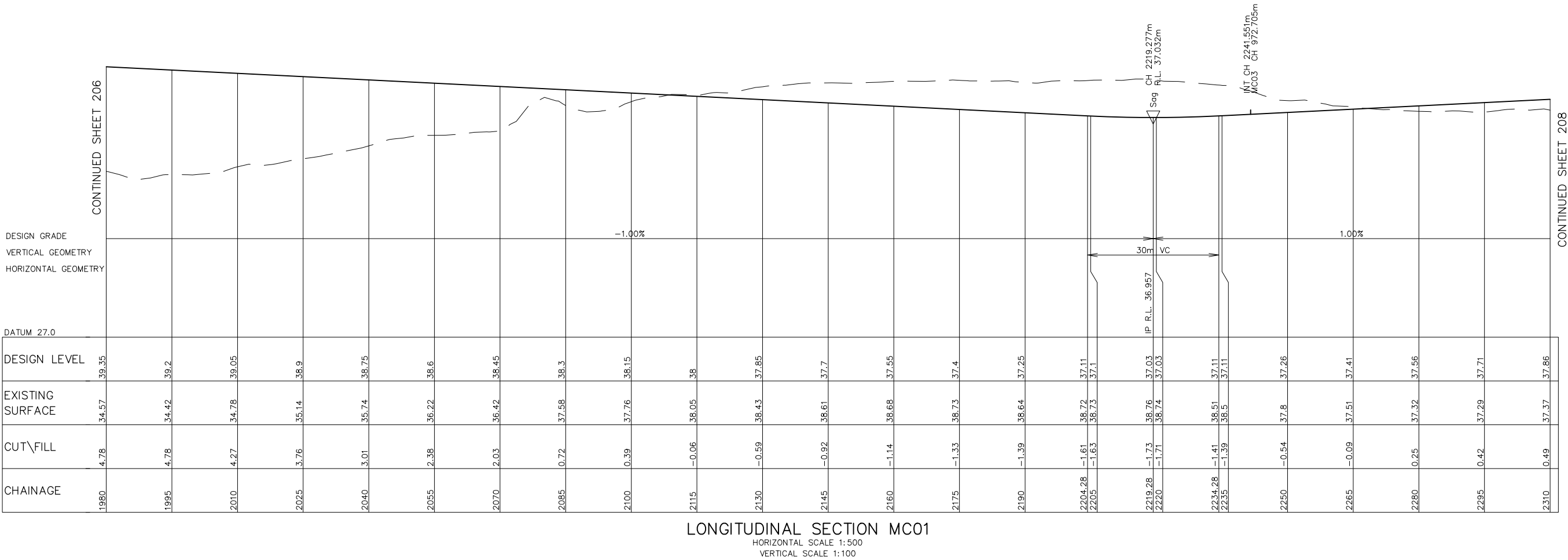
PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		<div>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</div>	CLIENT	PROPERTY DESCRIPTION  BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION	PROJECT BLACK HILL CONCEPT PLANS				
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	<div>VERT  A1 / A3 1:100 / 1:200</div> <div>HORIZ  A1 / A3 1:500 / 1:1000</div>					PLAN TITLE  ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 5				
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.										
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
DESIGN FILE N:\239590\Design\12D\							ALL DIMENSIONS ARE IN METRES. DO NOT SCALE			BROADEN MANAGEMENT PTY LTD		SURVEYED ADW Johnson	DATUM A.H.D.	PROJECT No. 239590(1)	DISCIPLINE - CENG	NUMBER - 205



PRELIMINARY ISSUE

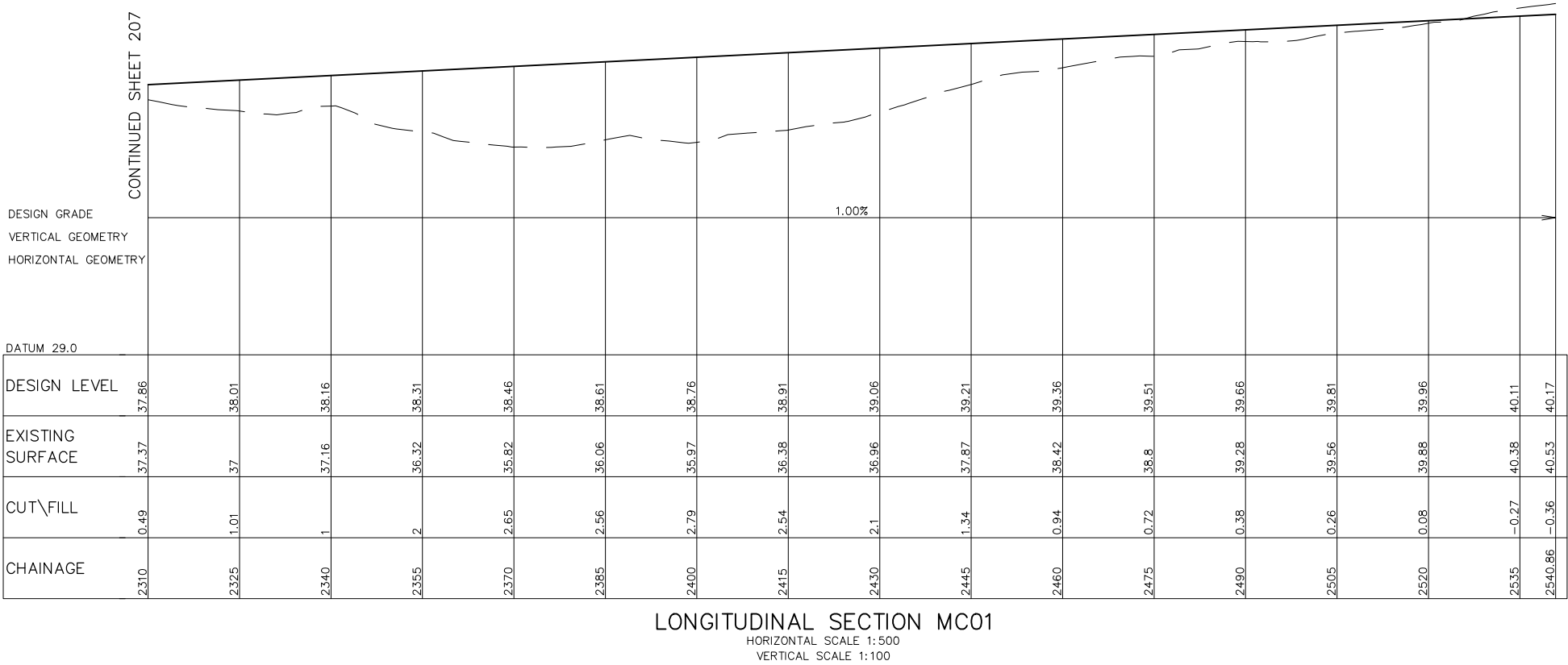
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		PROJECT BLACK HILL CONCEPT PLANS			
A B C D	03.08.2018 10.08.2018 14.08.2018 17.08.2018	INITIAL ISSUE AMENDMENTS PER INSTRUCTION AMENDMENTS PER INSTRUCTION AMENDMENTS PER INSTRUCTION	E.G. Z.J. R.K. E.G.	R.K. R.K. R.K. R.K.	Z.J. Z.J. Z.J. Z.J.	R.K. R.K. R.K. R.K.	PLAN TITLE ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 6									
DESIGN FILE N:\239590\Design\12D\							ALL DIMENSIONS ARE IN METRES. DO NOT SCALE		PROJECT No. 239590(1) DISCIPLINE CENG NUMBER 206 REV. D							



PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION  BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION	PROJECT BLACK HILL CONCEPT PLANS				
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	  					PLAN TITLE	PROJECT No.	DISCIPLINE	NUMBER	REV.
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.						ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 7	239590(1)	- CENG	- 207	D
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
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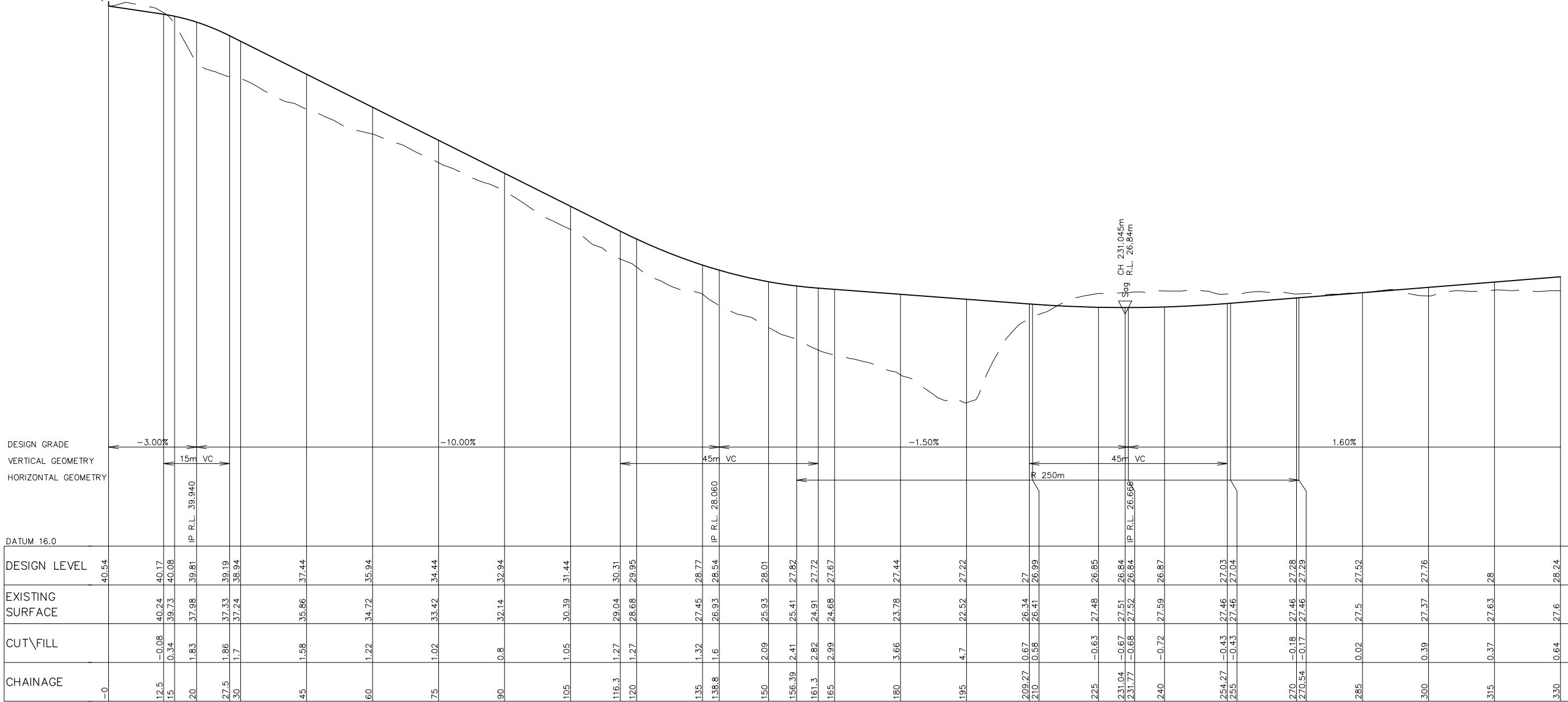


PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	 <div>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</div>	CLIENT	PROPERTY DESCRIPTION		PROJECT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	 VERT 0 2 4 1:100 / 1:200  HORIZ 0 10 20 A1 / A3 1:500 / 1:1000		BROADEN MANAGEMENT PTY LTD	BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		BLACK HILL CONCEPT PLANS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.						PLAN TITLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.						ROAD LONGITUDINAL SECTION: ROAD MC01 - SHEET 8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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SAWCUT MIN 300mm INTO  
EXISTING PAVEMENT TO  
MAKE SMOOTH CONNECTION

INT CH 0m  
JOHN RENSHAW DRIVE CH 2109.728m



CONTINUED SHEET 210

LONGITUDINAL SECTION MC03  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100

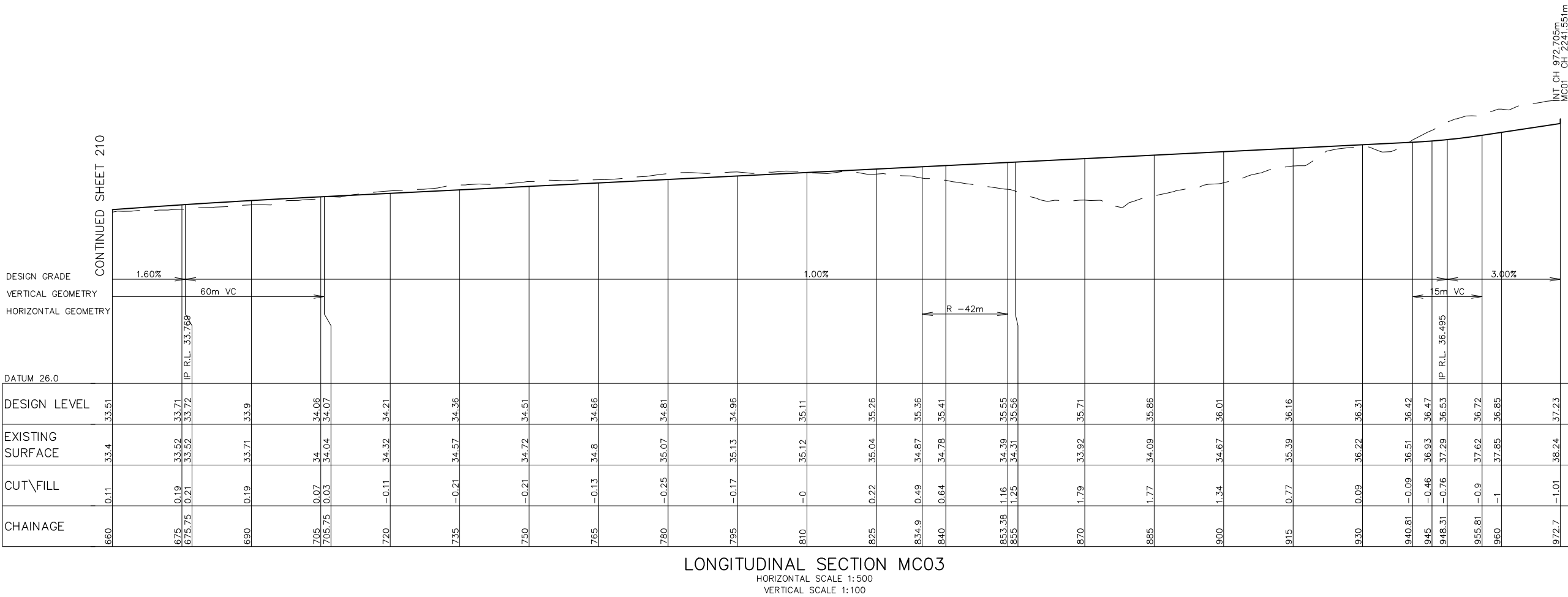
PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION  BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		PROJECT BLACK HILL CONCEPT PLANS								
A B C D	03.08.2018 10.08.2018 14.08.2018 17.08.2018	INITIAL ISSUE AMENDMENTS PER INSTRUCTION AMENDMENTS PER INSTRUCTION AMENDMENTS PER INSTRUCTION	E.G. Z.J. R.K. E.G.	R.K. R.K. R.K. R.K.	Z.J. Z.J. Z.J. Z.J.	R.K. R.K. R.K. R.K.	VERT 0 2 4 HORIZ 0 10 20 A1 / A3 1:100 / 1:200 A1 / A3 1:500 / 1:1000						PLAN TITLE ROAD LONGITUDINAL SECTION: ROAD MC03 - SHEET 1								
													PROJECT No. 239590(1)	DISCIPLINE - CENG	NUMBER - 209	REV. D					
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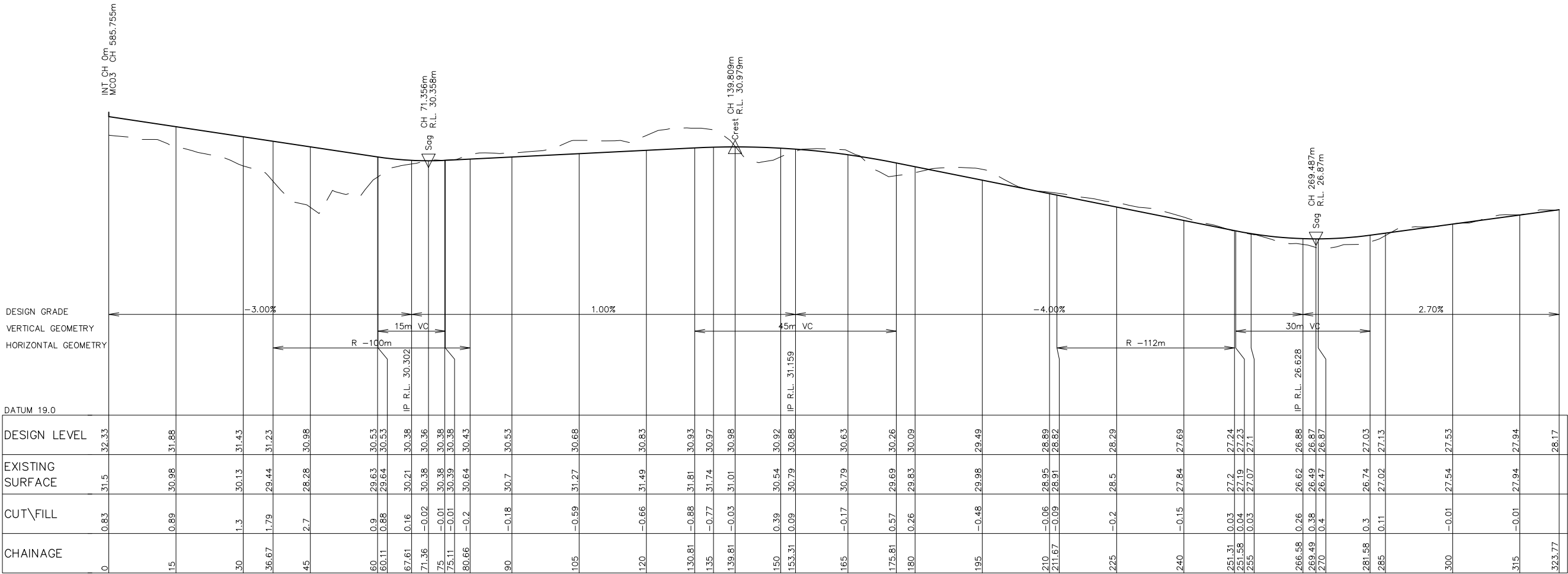
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PRELIMINARY ISSUE

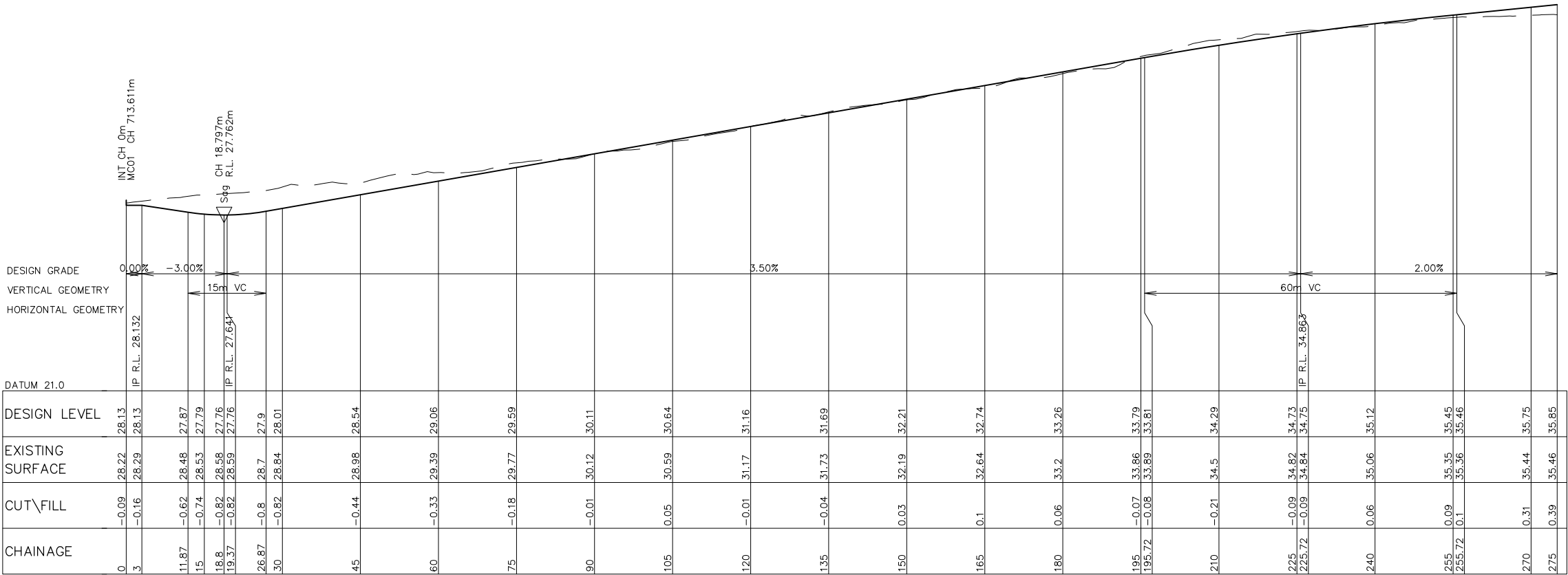
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	CLIENT	PROPERTY DESCRIPTION		PROJECT			
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	<p>VERT  A1 / A3 1:100 / 1:200</p> <p>HORIZ  A1 / A3 1:500 / 1:1000</p>				<p>BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION</p>		<p>BLACK HILL CONCEPT PLANS</p> <p>PLAN TITLE</p> <p>ROAD LONGITUDINAL SECTION: ROAD MC03 - SHEET 3</p>			
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.										
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
DESIGN FILE N:\239590\Design\12D\							ALL DIMENSIONS ARE IN METRES. DO NOT SCALE		BROADEN MANAGEMENT PTY LTD		SURVEYED ADW Johnson	DATUM A.H.D.	PROJECT No. 239590(1)	DISCIPLINE - CENG	NUMBER - 211	REV. D



LONGITUDINAL SECTION MC04  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100


PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT			
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.					BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		BLACK HILL CONCEPT PLANS			
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.							PLAN TITLE  ROAD LONGITUDINAL SECTION: ROAD MC04			
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
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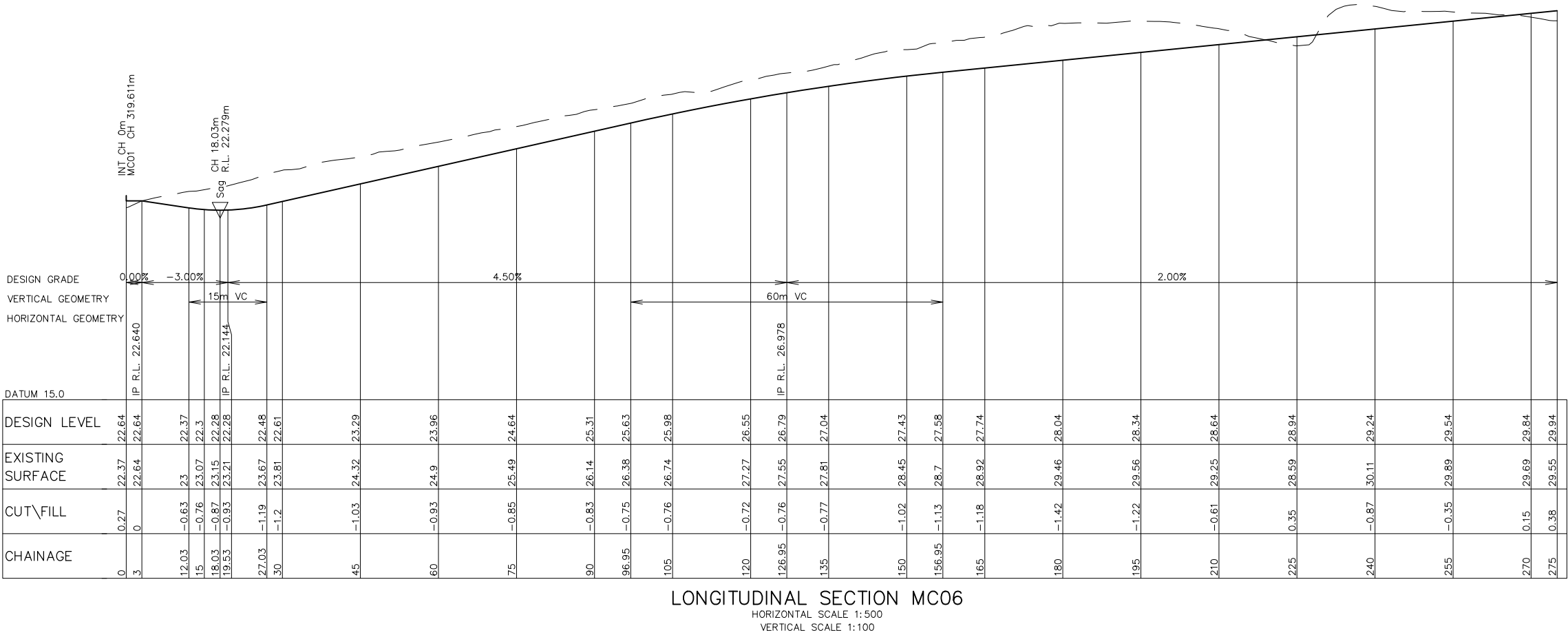


LONGITUDINAL SECTION MC05  
HORIZONTAL SCALE 1:500  
VERTICAL SCALE 1:100




PRELIMINARY ISSUE

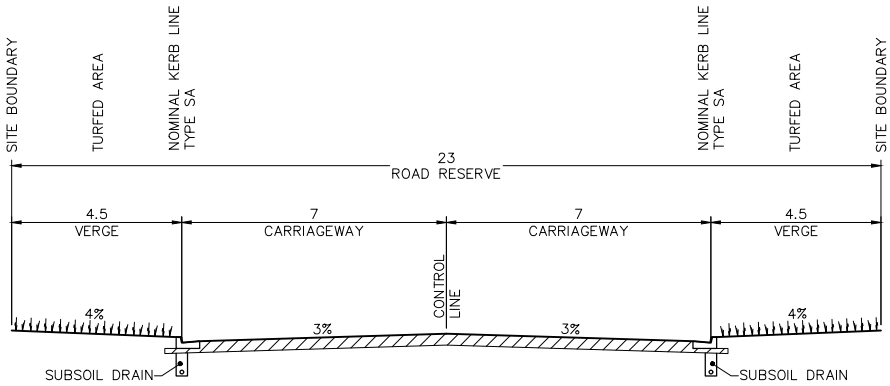
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		<p>Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	CLIENT	PROPERTY DESCRIPTION	PROJECT				
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	BLACK HILL CONCEPT PLANS									
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.	ROAD LONGITUDINAL SECTION: ROAD MC05									
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
DESIGN FILE N:\239590\Design\12D\							ALL DIMENSIONS ARE IN METRES. DO NOT SCALE					SURVEYED ADW Johnson		DATUM A.H.D.		PROJECT No. 239590(1)



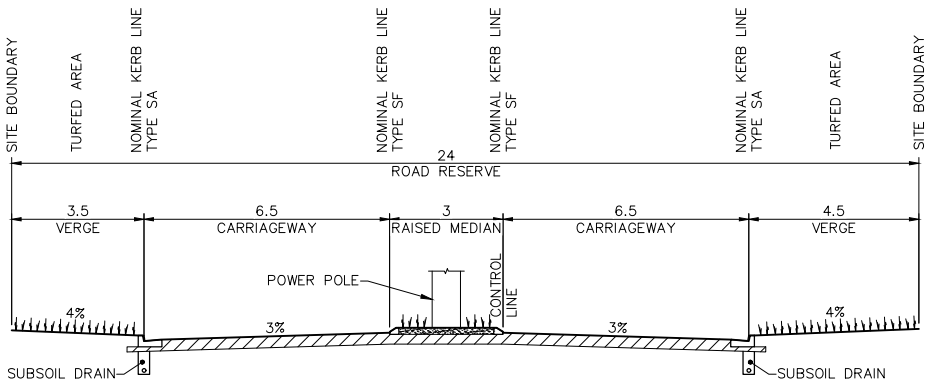


PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT									
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	 				BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION				BLACK HILL CONCEPT PLANS							
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.					PLAN TITLE											
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.					ROAD LONGITUDINAL SECTION: ROAD MC06											
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.																
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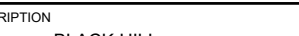



TYPICAL CROSS SECTION ROAD MC01,  
MC03, MC04, MC05, MC06  
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION ROAD MC01  
SCALE 1:100 NATURAL

PRELIMINARY ISSUE

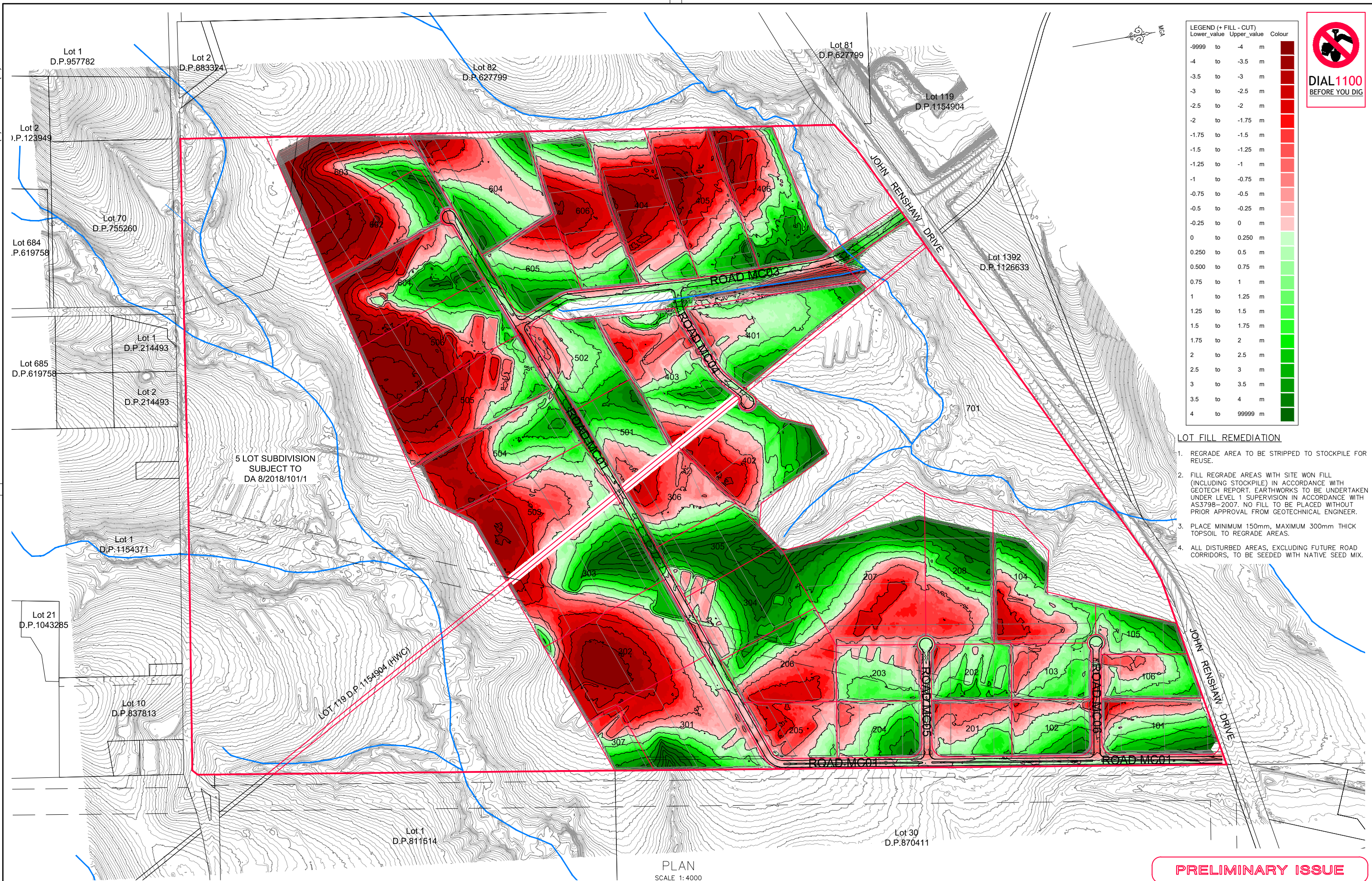
REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES		Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT  BROADEN MANAGEMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT			
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.					BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION		BLACK HILL CONCEPT PLANS			
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.							PLAN TITLE			
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.							TYPICAL CROSS SECTIONS			
D	17.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.										
DESIGN FILE N:\239590\Design\12D\							ALL DIMENSIONS ARE IN METRES. DO NOT SCALE		SURVEYED ADW Johnson		DATUM A.H.D.		PROJECT No. 239590(1)	DISCIPLINE - CENG	NUMBER - 221	REV. D



239590(1)-CENG-501(D)

100mm AT FULL SIZE

100mm AT FULL SIZE



LEGEND (+ FILL - CUT)		
Lower_value	Upper_value	Colour
-9999	to -4	m
-4	to -3.5	m
-3.5	to -3	m
-3	to -2.5	m
-2.5	to -2	m
-2	to -1.75	m
-1.75	to -1.5	m
-1.5	to -1.25	m
-1.25	to -1	m
-1	to -0.75	m
-0.75	to -0.5	m
-0.5	to -0.25	m
-0.25	to 0	m
0	to 0.250	m
0.250	to 0.5	m
0.500	to 0.75	m
0.75	to 1	m
1	to 1.25	m
1.25	to 1.5	m
1.5	to 1.75	m
1.75	to 2	m
2	to 2.5	m
2.5	to 3	m
3	to 3.5	m
3.5	to 4	m
4	to 99999	m



LOT FILL REMEDIATION

1. REGRADE AREA TO BE STRIPPED TO STOCKPILE FOR REUSE.
2. FILL REGRADE AREAS WITH SITE WON FILL (INCLUDING STOCKPILE) IN ACCORDANCE WITH GEOTECH REPORT. EARTHWORKS TO BE UNDERTAKEN UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007. NO FILL TO BE PLACED WITHOUT PRIOR APPROVAL FROM GEOTECHNICAL ENGINEER.
3. PLACE MINIMUM 150mm, MAXIMUM 300mm THICK TOPSOIL TO REGRADE AREAS.
4. ALL DISTURBED AREAS, EXCLUDING FUTURE ROAD CORRIDORS, TO BE SEEDD WITH NATIVE SEED MIX.

PLAN  
SCALE 1:4000

PRELIMINARY ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A	03.08.2018	INITIAL ISSUE	E.G.	R.K.	Z.J.	R.K.	0 100 200 A1 / A3	Hunter Office Unit 7/335 Hillsborough Rd Warners Bay N.S.W. 2282 Phone: (02) 4978 5100 Fax: (02) 4978 5199 email: hunter@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	BLACK HILL INDUSTRIAL SUBDIVISION LOT 1131 D.P.1057179 JOHN RENSHAW DRIVE, BLACK HILL DEVELOPMENT APPLICATION	BLACK HILL CONCEPT PLANS
B	10.08.2018	AMENDMENTS PER INSTRUCTION	Z.J.	R.K.	Z.J.	R.K.	1:4000 / 1:8000	BROADEN MANAGEMENT PTY LTD		PLAN TITLE
C	14.08.2018	AMENDMENTS PER INSTRUCTION	E.G.	R.K.	Z.J.	R.K.				CUT/FILL PLAN
D	17.08.2018	AMENDMENTS PER INSTRUCTION								
DESIGN FILE N:\239590\Design\12D\			ALL DIMENSIONS ARE IN METRES. DO NOT SCALE			SURVEYED ADW Johnson		DATUM A.H.D.	PROJECT No. 239590(1)	DISCIPLINE CENG
Plotted By: elizabethg			Plot Date: 17/08/18 - 10:06			NUMBER 501		REV. D		

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## Appendix B

# Aboriginal Community Consultation

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Date	Consulted Organisation	Recieved by RPS	Method of Contact	Details
21/05/2018	Government Organisation	N/A	Mail	Due 4 June
16/06/2018	Job ad placed in Maitland Mercury	N/A	Newspaper ad	Due 29 June
Eol Letters Mailed to Stakeholders on 25/06/2018 - Responses Due 9 July				
1/07/2018	Steve Talbot	Ben	Email	Registering Interest
2/07/2018	Didge Ngunawal Clan	Ben	Email	Registering Interest
2/07/2018	Wattaka	Ben	Email	Registering Interest
2/07/2018	Valley ELM Corp	Ben	Email	Registering Interest
3/07/2018	Cacatua	Ben	Email	Registering Interest
3/07/2018	AGA Services	Ben	Email	Registering Interest
4/07/2018	Gidawaa Walang	Ben	Email	Registering Interest
5/07/2018	Wallangan Cultural Services	Ben	Email	Registering Interest
5/07/2018	LHWCS	Ben	Email	Registering Interest
5/07/2018	Ungooroo	Ben	Email	Registering Interest
5/07/2018	Mindaribba LALC	Ben	Email	Registering Interest - Also recommended Culturally Aware – Tracey Skene , Wonnarua Cultural Heritage – Gordon Griffiths – Wallangen Cultural Services – Maree Waugh and Lower Hunter Wonnarua services – Tom Miller are other stake holders who have cultural knowledge of the area.
7/07/2018	Wonnarua Elders Council	Ben	Email	Registering Interest
8/07/2018	DFTV Enterprises	Ben	Email	Registering Interest
8/07/2018	Wonn1/Kawul	Ben	Phone	Registering Interest
10/07/2018	Culturally Aware	Ben	Email	Registering interest
Methodology sent to RAPs 11 July - Responses due 7 August				
13/07/2018	Didge Ngunawal Clan responded to the methodology	Ben	Email	Supports the methodology
18/07/2018	Cacatua responded to methodology	Ben	Email	Supports the methodology
18/07/2018	AGA Services responded to methodology	Ben	Email	Supports the methodology
20/07/2018	Gidawaa Walang	Ben	Email	Supports the methodology

25/07/2018	Mindaribba LALC	Drago	Personal communication	Noted that the wording suggested that excavation could potentially be ceased at 10 cm depth if no artefacts identified in top two spits - RPS acknowledged error in phrasing and amended methodology.
25/07/2018	Steve Talbot	Ben	Phone	Preferred test pits to be less than 20 metres apart, more like 10 metres apart. Noted, and determined that locations of pits may be changed during the test excavation depending on outcomes of pits
13/08/2018	Kauwul Wonn1	Ben	Email	Supports the methodology
Invitation to the site letters emailed to RAPs				
21/08/2018	Didge Ngunawal Clan	Nicola	Email	21/8/18 - responded will send a rep. Adam will be attending site, insurances provided by email
21/08/2018	Cacatua	Nicola	Email	24/08/2018 - responded will send a rep. Will send insurnaces through.
21/08/2018	AGA Services	Nicola	Email	31/08/18 - emailed with insurances and rep names
21/08/2018	Gidawaa Walang	Nicola	Email	Provided details 23/8/18
21/08/2018	Mindaribba LALC	Nicola	Email	
21/08/2018	Steve Talbot	Nicola	Email	31/08/18 - emailed with insurances
Reminder to provide details				
31/08/2018	Gidawaa Walang	Nicola	Phone	Spoke to Craig. Said he would respond by email immediately.
31/08/2018	Mindaribba LALC	Nicola	Phone	Spoke with admin. Will ask Tara to follow up
31/08/2018	Steve Talbot	Nicola	Phone	Spoke with Greg, he will pass onto Steve. Responded with details
Change start date to Wednesday due to weather forecast				
3/09/2018	Paul, Dide Nganawal	Nicola	Phone & email	Advised Tuesday cancelled, additional day 20 Sept
3/09/2018	Cacatua and AGA	Nicola	Phone mess and email	Advised Tuesday cancelled, additional day 20 Sept
18/09/2018	Field work completed - 19, 20, 21 work cancelled - AB called Didge Ngunawal, Cacatua/AGA, Gidawaa Walang, Mindaribba LALC, Steve Talbot	Alex	Phone	Cacatua (George Sampson) requested that we re-send the invoicing details (done - AB).
Provision of draft report				



7/11/2018	Issued to RAPs	Drago	Email	Responses due 7 December 2018
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#### MILLS IAN FRANCIS

Aged 78 Years  
 of Rutherford

Beloved husband of  
 HELEN (dec), loving  
 father and father in  
 law of SCOTT,  
 LOUISE and MICK,  
 ANDREW and  
 KAYLENE, devoted  
 grandfather to PETER  
 and COURTNEY,  
 DAMIEN, LUKE, LIA,  
 MADISON,  
 MATTHEW and  
 BRADLEY, loving  
 brother, brother in  
 law and uncle of  
 A L L A N and  
 MAUREEN, PETER  
 (dec) and BARBARA,  
 PHILLIP (dec) and  
 BEVERLEY, Sr  
 BERNADETTE RSM,  
 KATHLEEN and  
 DAVID ROOKE, Sr  
 COLLEEN RSC,  
 TERRY and ANNE,  
 K E V I N and  
 JEANETTE,  
 CHRISTOPHER and  
 KERRY, JENNIFER  
 and T O M,  
 MAUREEN and  
 KEVIN NICHOLS,  
 DENISE and PETER  
 (dec) SIMMONS and  
 families.

Family and friends are  
 warmly invited to  
 Requiem Mass to be  
 celebrated at St Pauls  
 Catholic Church,  
 Young St, Rutherford  
 on **THURSDAY** 21st  
 June, 2018 at 10am.



4933 6155

### Under \$100

## ADVERTISE ONE ITEM FOR SALE FREE!

If you have one item for sale under  
 \$100 you can advertise it FREE.

Fill in the coupon below and post it to  
 The Maitland Mercury or phone Nicole  
 on 4931 0100 during office hours. ONE  
 ITEM PER COUPON (no animals). Max.  
 16 words. Your completed coupon  
 must arrive at our offices no later than  
 noon Friday and will appear in the  
 following Monday edition.


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ADDRESS:.....

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 P.O. BOX 222, MAITLAND 2320**

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 INTO CASH**

**Mercury**  
*Classifieds*

AW3543791

### Public Notices

**Registration  
 of Interest for  
 Aboriginal cultural  
 knowledge holders  
 Black Hill, NSW on  
 behalf of F&F  
 Properties, RPS is  
 requesting registra-  
 tion of interest  
 from Aboriginal  
 Stakeholders for  
 Aboriginal Heritage  
 Investigation in the  
 Black Hill area.**

The purpose of  
 this community  
 consultation with  
 Aboriginal people  
 is to assist the  
 proposed applicant  
 in the preparation of  
 an application for an  
 Aboriginal Heritage  
 Impact Permit (AHIP).

As per the OEH  
 guideline: Aboriginal  
 Cultural Heritage  
 Consultation  
 Requirements  
 for Proponents  
 responses are to be  
 received before Friday  
 29 June 2018. Written  
 applications should  
 be forwarded to:

RPS Heritage  
 RPS Australia East  
 Pty Ltd  
 PO Box 428  
 Hamilton NSW 2303  
 Tel: 02 4940 4200  
 Ben.slack@rpsgroup.  
 com.au

Further information  
 will be provided upon  
 registration.

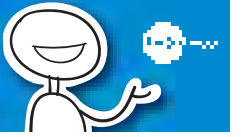
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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 21/05/2018  
**Our Ref:** 139511  
**Via:** Email

Attn:  
Office of Environment and Heritage  
Hunter and Central Coast Region  
Locked Bag 1002  
DangarNSW2309

Dear Sir/Madam

**Registration of Aboriginal Interest Groups: Black Hill, NSW**

RPS Australia East Pty Ltd (RPS) will be conducting an Aboriginal Cultural Heritage Assessment Report and test excavation for the preparation of an Aboriginal Heritage Impact Permit (AHIP) for proposed within Lots 1131 DP1057179 at Black Hill (see attached figure) in the Cessnock Local Government Area.

This letter is to notify that F&F Properties c/- Barr Property and Planning are seeking to consult with Aboriginal persons or groups who may hold cultural knowledge, or who have right of interest in Aboriginal objects, places and/or Aboriginal cultural heritage in the area shown on the attached figure.

Should you know of any Aboriginal persons or groups who may wish to be consulted in relation to the project described above, please contact Ben Slack on the details below. Specifically, we require a list of known Aboriginal stakeholders and communities that you consider that may be concerned with the location provided on the attached figure.

RPS advises that the details of any Aboriginal person or group who registers an interest in accordance with this notice will be forwarded to the Office of Environment and Heritage and the Mindaribba Local Aboriginal Land Council, unless they specify at registration that they do not want their details released (DECCW 2010:11)

**Contact Details**

Method	Detail
Phone	(02) 4940 4200
Email	Ben.slack@rpsgroup.com.au
Post	PO Box 428 Hamilton NSW 2303





We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact the writer by telephone.

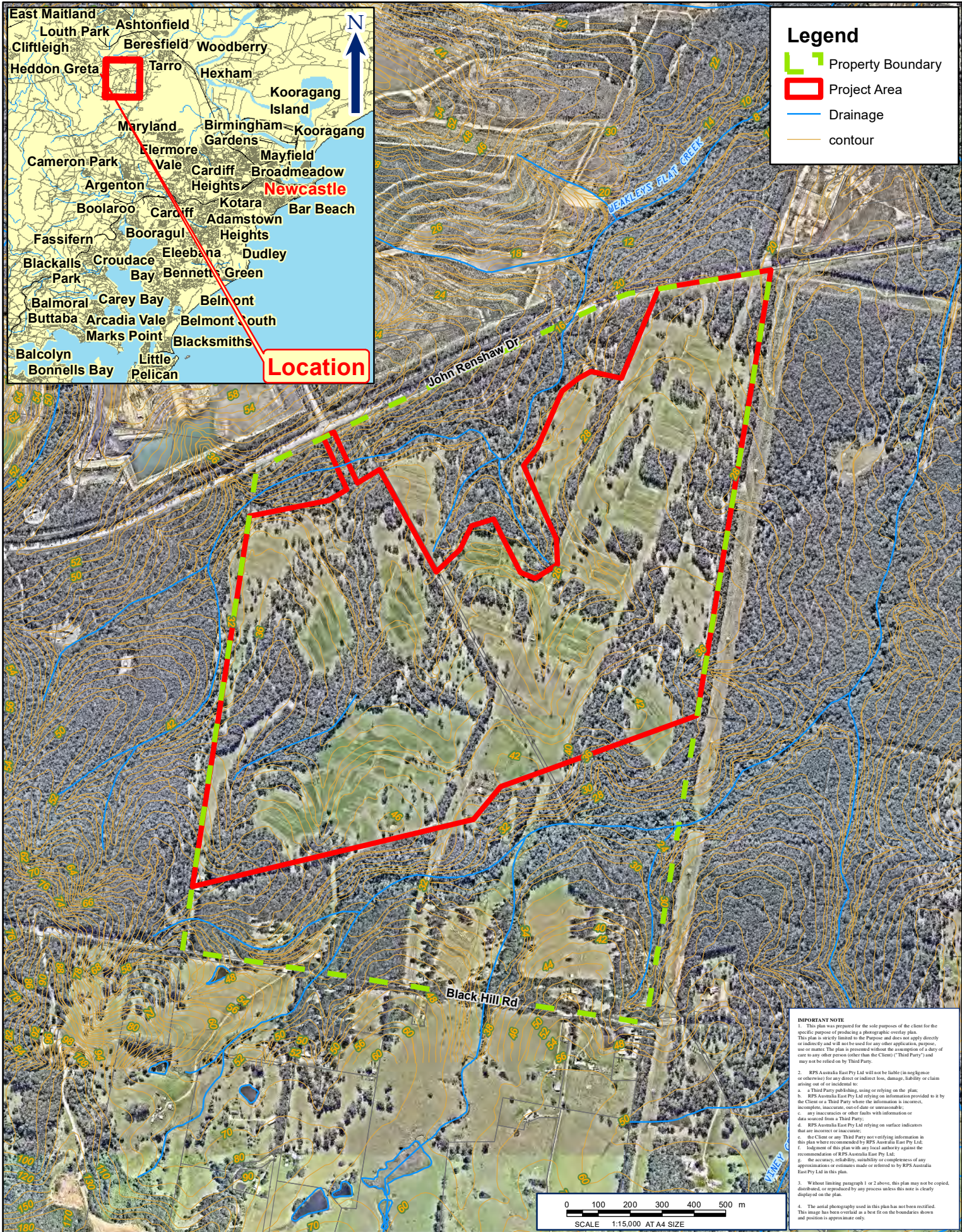
Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'Ben Slack', written in a cursive style.

**Ben Slack**  
**Heritage Consultant**





**FIGURE 1: PROJECT AREA**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 21/05/2018  
**Our Ref:** 139511  
**Via:** Email

National Native Title Tribunal  
GPO Box 9973  
Sydney, NSW 2001

Dear The Director

**Registration of Aboriginal Interest Groups: Black Hill, NSW**

RPS Australia East Pty Ltd (RPS) will be conducting an Aboriginal Cultural Heritage Assessment Report and test excavation for the preparation of an Aboriginal Heritage Impact Permit (AHIP) for proposed within Lots 1131 DP1057179 at Black Hill (see attached figure) in the Cessnock Local Government Area.

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**Contact Details**

Method	Detail
Phone	(02) 4940 4200
Email	Ben.slack@rpsgroup.com.au
Post	PO Box 428 Hamilton NSW 2303

We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact the writer by telephone.





Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'Ben Slack', written in a cursive style.

**Ben Slack**  
**Heritage Consultant**





**FIGURE 1: PROJECT AREA**

LOCATION:	<b>BLACK HILL</b>	DATUM: GDA94
JOB NO.:	<b>PR 139511</b>	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 21/05/2018  
**Our Ref:** 139511  
**Via:** Email

Native Title Services Corporation Limited  
PO Box 2105  
Strawberry Hills, NSW 2012

Dear Sir/Madam

**Registration of Aboriginal Interest Groups: Black Hill, NSW**

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T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 21/05/2018  
**Our Ref:** 139511  
**Via:** Email

Registrar of Aboriginal Owners NSW Department of Aboriginal Affairs  
PO Box 112  
Glebe NSW 2037

Dear Sir/Madam

**Registration of Aboriginal Interest Groups: Black Hill, NSW**

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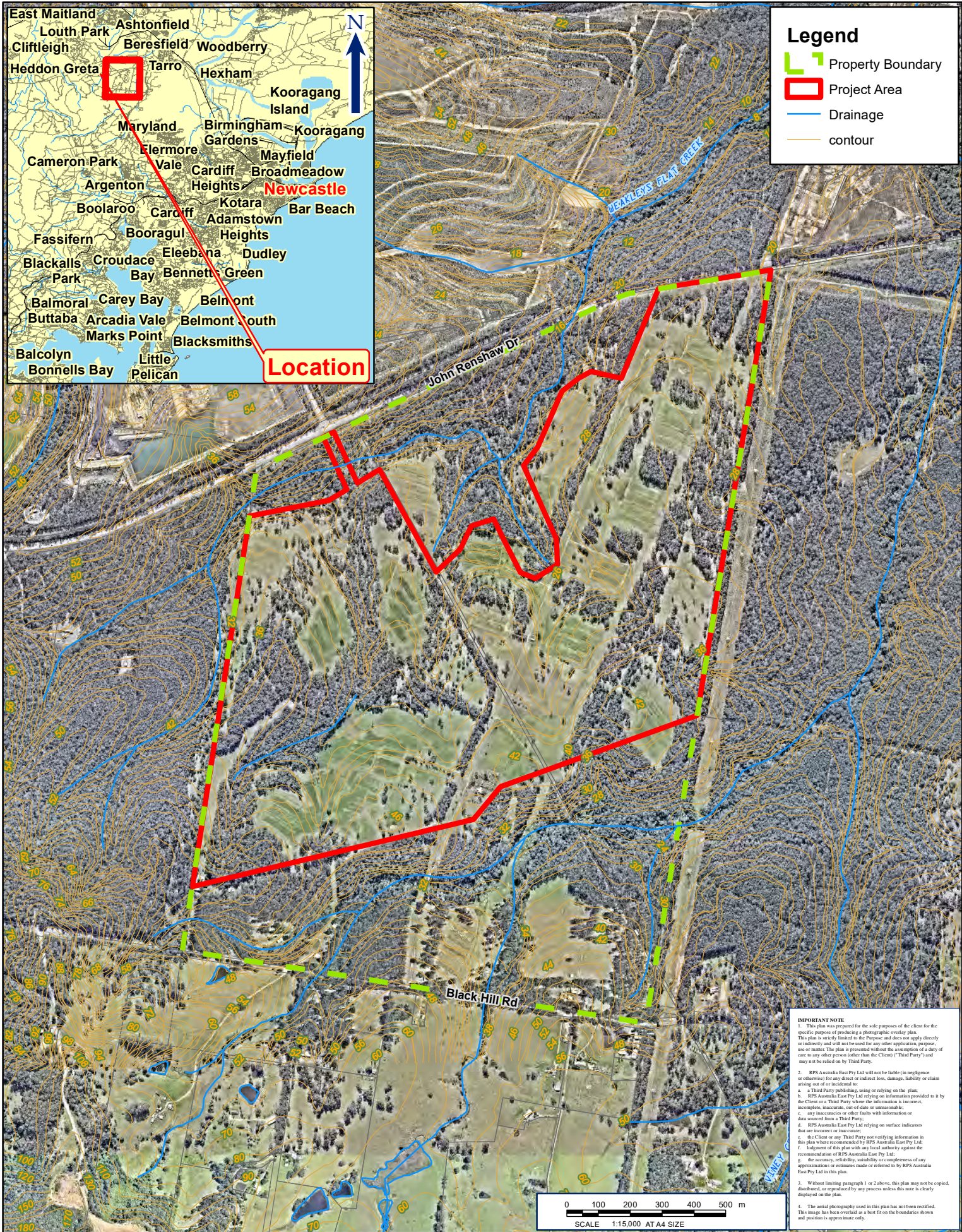
Yours sincerely

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**RPS**



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 21/05/2018  
**Our Ref:** 139511  
**Via:** Email

Cessnock City Council  
Po Box 152  
Cessnock NSW 2325

Dear Sir/Madam

**Registration of Aboriginal Interest Groups: Black Hill, NSW**

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Email	Ben.slack@rpsgroup.com.au
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**Ben Slack**  
**Heritage Consultant**



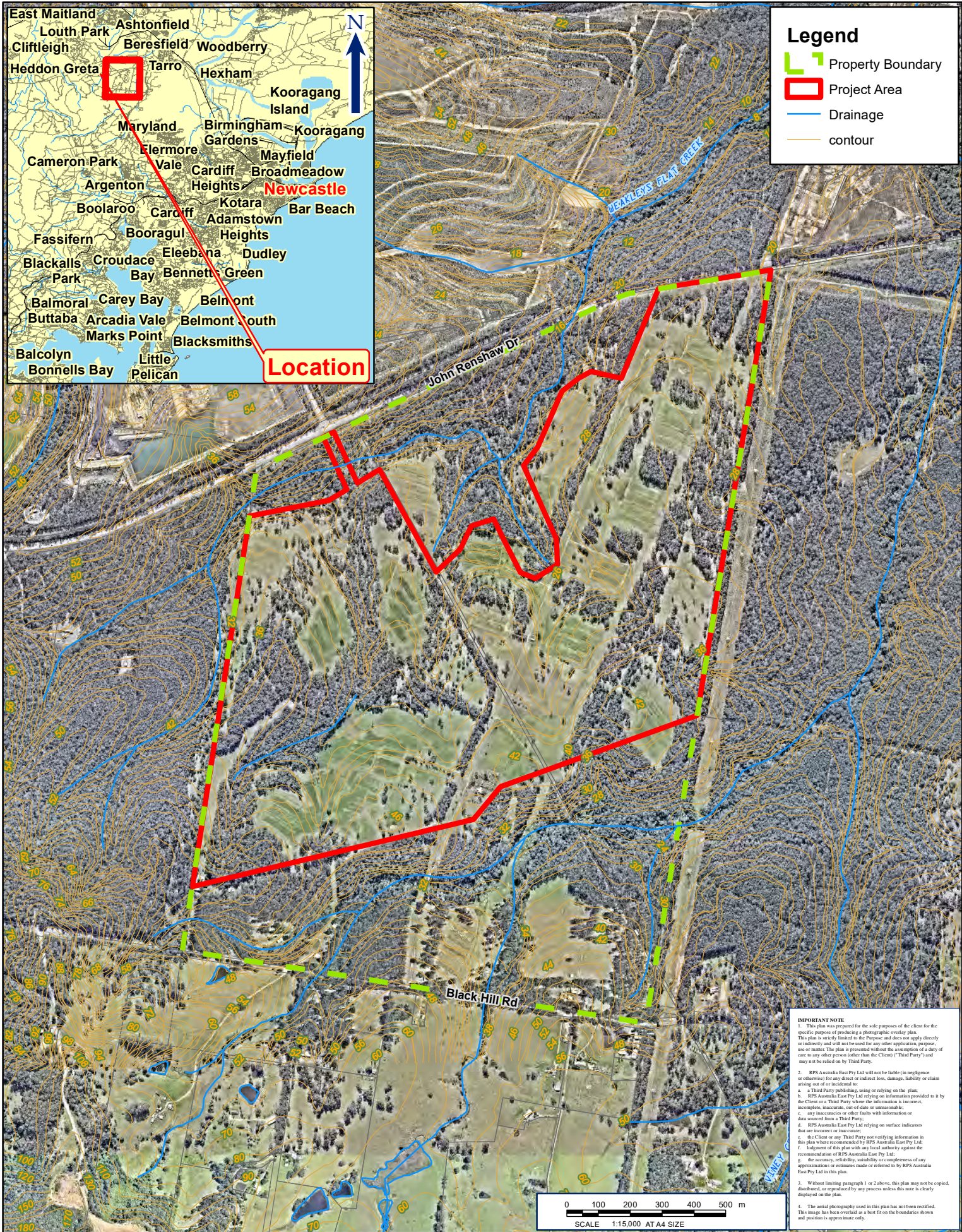


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RPS



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PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 21/05/2018  
**Our Ref:** 139511  
**Via:** Email

Hunter Local Land Services  
Private Bag 2010  
Paterson, NSW 2421

Dear Sir/Madam

**Registration of Aboriginal Interest Groups: Black Hill, NSW**

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**RPS**



**Newcastle Office**

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PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 21/05/2018  
**Our Ref:** 139511  
**Via:** Email

Mindaribba Local Aboriginal Land Council  
1A Chelmsford Drive  
Metford, NSW 2323

Dear Tara

**Registration of Aboriginal Interest Groups: Black Hill, NSW**

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Yours sincerely

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**Heritage Consultant**





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241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



Our ref: DOC18/379732  
Senders ref: 139511

Ben Slack  
RPS Australia East Pty Ltd  
Ben.slack@rpsgroup.com.au

Dear Ben

**Lot 1131 DP1057179 Black Hill, Aboriginal stakeholder list**

In response to your request under Section 4.1.2(a) of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010), please find attached a list of known Aboriginal parties that have self-nominated for the Cessnock City Council Local Government Area (LGA) (**Attachment A**) and the Maitland City Council LGA (**Attachment B**). Please note the following information with respect to Aboriginal consultation for your project.

**Aboriginal stakeholder lists maintained by OEH are comprised of self-nominated individuals and organisations**

Please note that the attached list is comprised only of self-nominated individuals and Aboriginal organisations who could have an interest in your project. The list is not vetted by OEH. As the list comprises only of self-nominated individuals and Aboriginal organisations, it is not necessarily an exhaustive list of all Aboriginal parties who may hold an interest in the project. Further consultation in accordance with step 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010) is required to identify Aboriginal people who may hold either cultural or historical knowledge relevant to determining the significance of Aboriginal objects or places within your proposed project area.

**Ensure you document the consultation process**

Please ensure all consultation undertaken in accordance with the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010) is documented within an Aboriginal Cultural Heritage Assessment Report (ACHAR). This must include copies of all correspondence sent to or received from all Registered Aboriginal Parties (RAPs) throughout the entire consultation process. Omission of these records in the final ACHAR may cause delays in the assessment of an Aboriginal Heritage Impact Permit (AHIP) application or a major project Aboriginal cultural heritage assessment, and could require parts of the consultation process to be repeated if the evidence provided to OEH does not demonstrate that the consultation process has been conducted in accordance with our consultation requirements.



### Demonstrate that reasonable consultation attempts have been made

Please ensure you provide evidence to demonstrate that reasonable attempts have been made to contact the relevant parties identified through step 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010). If this evidence is not provided, OEH may deem that the consultation process has not complied with the consultation requirements. Similarly, the proponent is required to record all feedback received from RAPs, along with the proponent's response to the feedback. Where concerns or contentious issues are raised by RAPs during the consultation process, OEH expects that reasonable attempts are made to address and resolve these matters, however OEH acknowledges that in some cases, this may not be achievable. In the case where conflict cannot be resolved, it is the responsibility of the proponent to record these differences and provide the necessary information in their ACHAR with their AHIP application or major project ACHAR.

### Consultation should not be confused with employment

As outlined in Section 3.4 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW 2010), the consultation process involves getting the views of, and information from, Aboriginal people and reporting on these. It is not to be confused with other field assessment processes involved in preparing a proposal and an application. OEH does not have any role with respect to commercial engagement. Where RAPs are engaged commercially to provide field services as part of an assessment process, that is a matter for the proponent to manage as they see fit. However, if a proponent is proposing to undertake consultation processes or elicit cultural information from RAPs during the course of conducting a field survey, OEH considers this to form part of the consultation process, and expects that all RAPs would be afforded the opportunity to be involved in the process.

### Contacting our office

To ensure we can respond to enquiries promptly, please direct future correspondence to our central mailbox: [rog.hcc@environment.nsw.gov.au](mailto:rog.hcc@environment.nsw.gov.au).

Should you require any further information, please do not hesitate to contact us.

Yours sincerely



**STEVEN COX**  
**Senior Team Leader Planning**  
**Hunter Central Coast Branch**  
**Regional Operations Division**

22 June 2018

## Attachment A

### Hunter Central Coast Branch - Aboriginal Stakeholder Register for Cessnock City Council LGA

Please note that this list is valid at the time of sending only, and should not be used for subsequent projects.

Organisation	First name	Surname	Address 1	City	State	Post code	Landline	Mobile	Email
AGA Services	Ashley, Gregory & Adam	Sampson	22 Ibis Parade	WOODBERRY	NSW	2322		Donna Sampson 0403 765 019	<a href="mailto:aga.services@hotmail.com">aga.services@hotmail.com</a>
Aliera French Trading	Aliera	French	23B Gommer St	BLACKSMITHS	NSW	2281		0421 299 963	<a href="mailto:Aliera.french.trading@hotmail.com">Aliera.french.trading@hotmail.com</a>
Arwarbukarl Cultural Resource Association, Miromaa Aboriginal Language and Technology Centre	Darren	McKenney	840 Hunter St	NEWCASTLE WEST	NSW	2302	02 4940 9100		<a href="mailto:contact@acra.org.au">contact@acra.org.au</a>
Awabakal Traditional Owners Aboriginal Corporation	Kerrie	Brauer	PO Box 122	RUTHERFORD	NSW	2320	-	0412 866 357	<a href="mailto:Kerrie@awabakal.com.au">Kerrie@awabakal.com.au</a>
Cacatua Culture Consultants	Donna & George	Sampson	22 Ibis Parade	WOODBERRY	NSW	2322		0434 877 016	<a href="mailto:cacatua4service@tpg.com.au">cacatua4service@tpg.com.au</a>
Crimson-Rosie	Jeffery	Matthews	6 Eucalypt Avenue	MUSWELLBROOK	NSW	2333	02 6543 4791		



Organisation	First name	Surname	Address 1	City	State	Post code	Landline	Mobile	Email
Culturally Aware	Tracey	Skene	7 Crawford Place	MILFIELD	NSW	2325		0474 106 537	<a href="mailto:traceyamorrung-pa.com.au">traceyamorrung-pa.com.au</a>
D F T V Enterprises	Derrick	Vale Snr	5 Mountbatten Close	RUTHERFORD	NSW	2320		0438 812 197	<a href="mailto:deckavale@hotmail.com">deckavale@hotmail.com</a>
Deslee Talbott Consultants	Deslee	Matthews	Unit 2 / 19 South Street	GUNNEDAH	NSW	2380		0431 205 336	<a href="mailto:m-desley@hotmail.com">m-desley@hotmail.com</a>
Divine Diggers Aboriginal Cultural Consultants	Deidre	Perkins	6 Ashleigh Street	HEDDON GRETA	NSW	2321	02 4937 4573	0425 654 290 (preferred)	<a href="mailto:dedemaree3@hotmail.com">dedemaree3@hotmail.com</a>
Gidawaa Walang & Barkuma Neighbourhood Centre Inc.	Ann Hickey	Debbie Dacey-Sullivan	76 Lang Street	KURRI KURRI	NSW	2327	02 4937 1094	Ann 0411 196 991	<a href="mailto:gidawaa.walang@hotmail.com">gidawaa.walang@hotmail.com</a>
Hunter Traditional Owner	Paulette	Ryan	165 Susan Street	SCONE	NSW	2337		0431109001	<a href="mailto:hto.paulette@gmail.com">hto.paulette@gmail.com</a>
Jarban & Mugrebea	Les	Atkinson	11 Nelson Street	CESSNOCK	NSW	2325		0466 316 069	<a href="mailto:Les.atkinson@hotmail.com">Les.atkinson@hotmail.com</a>
Kauma Ponddee Inc.	Jill	Green	Unit 6/1 Central Street	LAMBTON	NSW	2305		0434 210 190	<a href="mailto:kaumaponddee@live.com.au">kaumaponddee@live.com.au</a>
Kawul Cultural Services	Vicky	Slater	33 Gardner Circuit	SINGLETON	NSW	2330		0421 077 521	<a href="mailto:Vicki.slater@hotmail.com">Vicki.slater@hotmail.com</a>
Kawul Pty Ltd trading as Wonn1 Sites	Arthur	Fletcher	619 Main Road	GLENDALE	NSW	2285	024954 7751	0402 146 193	<a href="mailto:Wonn1sites@gmail.com">Wonn1sites@gmail.com</a>
Lower Hunter Aboriginal Incorporated	David	Ahoy	5 Killara Drive	CARDIFF SOUTH	NSW	2285		0421 329 520	<a href="mailto:lowerhunterai@gmail.com">lowerhunterai@gmail.com</a>

Organisation	First name	Surname	Address 1	City	State	Post code	Landline	Mobile	Email
Lower Hunter Wonnarua Cultural Services	Lea-Anne Ball and Uncle Tommy Miller		51 Bowden Street	HEDDON GRETA	NSW	2321	02 4937 2694	0402 636 521 (Uncle)	<a href="mailto:tn.miller@southernphone.com.au">tn.miller@southernphone.com.au</a>
Lower Wonnaruah Tribal Consultancy Pty Ltd	Barry	Anderson	156 The Inlet Road	BULGA	NSW	2330	02 6574 5303	0417 403 153	-
Murra Bidgee Mullangari Aboriginal Corporation	Ryan Johnson	& Darleen Johnson-Carroll	PO Box 246	SEVEN HILLS	NSW	2147		0497 983 332	<a href="mailto:murrabidgeemullangari@yahoo.com.au">murrabidgeemullangari@yahoo.com.au</a>
Myland Cultural & Heritage Group	Warren	Schillings	30 Taurus Street	ELERMORE VALE	NSW	2287		0431 392 554	<a href="mailto:warren@yarnteen.com.au">warren@yarnteen.com.au</a>
Roger Matthews Consultancy	Roger	Matthews	15 Parkinson Avenue	MUSWELLBROOK	NSW	2333		0455 671 288	
Ungooroo Aboriginal Corporation	Alan	Paget	PO Box 3095	SINGLETON	NSW	2330	02 6571 5111		<a href="mailto:admin@ungooroo.com.au">admin@ungooroo.com.au</a>
Wallagan Cultural Services	Maree	Waugh	PO Box 40	CESSNOCK	NSW	2325		0439 813 078	<a href="mailto:Mareewaugh30@hotmail.com">Mareewaugh30@hotmail.com</a>
Wattaka Wonnarua CC Service	Des	Hickey	4 Kennedy Street	SINGLETON	NSW	2330	02 6573 3786	0432 977 178	<a href="mailto:deshickey@bigpond.com">deshickey@bigpond.com</a>
Widescope Indigenous Group	Steven	Hickey	73 Russell Street	EMU PLAINS	NSW	2750		0425230693 0425232056	<a href="mailto:Widescope.group@live.com">Widescope.group@live.com</a>
Wonnarua Culture Heritage	Gordon	Griffiths	19 O'Donnell Crescent	METFORD	NSW	2323	02 4934 6437	0401 028 807	
Wonnarua Elders Council	Richard	Edwards	PO Box 844	CESSNOCK	NSW	2325			

Organisation	First name	Surname	Address 1	City	State	Post code	Landline	Mobile	Email
Wonnarua Nation Aboriginal Corporation	Laurie	Perry	254 John St	SINGLETON	NSW	2330	02 6571 5419	0412 593 020	<a href="mailto:l.perry@optusnet.com.au">l.perry@optusnet.com.au</a>
Yarrawalk (A division of Tocomwall Pty Ltd), Tocomwall Pty Ltd on behalf of Scott Franks and Anor on behalf of the Plains Clans of the Wonnarua People NSD1680/2013	Scott	Franks	PO Box 76	CARRINGBAH	NSW	1495		0404 171 544	<a href="mailto:scott@tocomwall.com.au">scott@tocomwall.com.au</a>
Yinarr Cultural Services	Kathleen	Steward Kinchella	Lot 5 Westwood Estate	MERRIWA	NSW	2329		0475 436 589	<a href="mailto:yinarculturalservices@bigpond.com">yinarculturalservices@bigpond.com</a> <a href="mailto:don_tminemeay@gmail.com">don_tminemeay@gmail.com</a>
	Steve	Talbott	73 Kiah Road	GILLIESTON HEIGHTS	NSW	2321		0429 662 911	<a href="mailto:gomerioi.namoi@outlook.com">gomerioi.namoi@outlook.com</a>
	Kevin	Duncan	95 Moala Parade	CHARMHAVE N	NSW	2263	(02) 43929346	0431 224 099	<a href="mailto:kevin.duncan@bigpond.com">kevin.duncan@bigpond.com</a>
	Sharon	Hodgetts	21/29 Central Coast Hwy	WEST GOSFORD	NSW	2250		0405 288 814	<a href="mailto:sharonhodgetts@hotmail.com">sharonhodgetts@hotmail.com</a>
Didge Ngunawal Clan	Paul Boyd	& Lilly Carroll	7 Siskin St	QUAKERS HILL	NSW	2763		0426823944	<a href="mailto:didgengunawalclan@yahoo.com.au">didgengunawalclan@yahoo.com.au</a>
Awabakal Descendants Traditional Owners	Peter	Leven	PO Box 137	BUDGEWOI	NSW	2262		0405 149 684	<a href="mailto:peterleven@y7mail.com">peterleven@y7mail.com</a>
Indigenous Learning	Craig	Archibald	2 Victoria Street	BELLBIRD HEIGHTS	NSW	2325	0455 550 549	0467 229 507	<a href="mailto:ilearning@bigpond.com">ilearning@bigpond.com</a>



## Attachment B

### Hunter Central Coast Branch - Aboriginal Stakeholder Register for Maitland City Council LGA

Please note that this list is valid at the time of sending only, and should not be used for subsequent projects.

Organisation	First name	Surname	Address 1	City	State	Post code	Landline	Mobile	Email
AGA Services	Ashley, Gregory & Adam	Sampson	22 Ibis Parade	WOODBERRY	NSW	2322	Donna Sampson 0403 765 019	Ashley Sampson 0401 958 051	<a href="mailto:aga.services@hotmail.com">aga.services@hotmail.com</a>
Aliera French Trading	Aliera	French	23B Gommeria St	BLACKSMITHS	NSW	2281		0421 299 963	<a href="mailto:Aliera.french.trading@hotmail.com">Aliera.french.trading@hotmail.com</a>
Arwarbukarl Cultural Resource Association, Miromaa Aboriginal Language and Technology Centre	Darren	McKenny	840 Hunter St	NEWCASTLE WEST	NSW	2302	(02)49409100		<a href="mailto:contact@acra.org.au">contact@acra.org.au</a>
Awabakal Descendants Traditional Owners	Peter	Leven	137 Delia Avenue	BUDGEWOI	NSW	2262		0405 149 684	<a href="mailto:peterleven@y7mail.com">peterleven@y7mail.com</a>
Awabakal Traditional Owners Aboriginal Corporation	Kerrie	Brauer	PO Box 122	RUTHERFORD	NSW	2320	-	0412 866 357	<a href="mailto:Kerrie@awabakal.com.au">Kerrie@awabakal.com.au</a>
Cacatua Culture Consultants	Donna & George	Sampson	22 Ibis Parade	WOODBERRY	NSW	2322		0434 877 016	<a href="mailto:cacatua4service@tpg.com.au">cacatua4service@tpg.com.au</a>
Crimson-Rosie	Jeffery	Matthews	6 Eucalypt Avenue	MUSWELLBROOK	NSW	2333	02 6543 4791		
Culturally Aware	Tracey	Skene	7 Crawford Place	MILFIELD	NSW	2325		0474 106 537	<a href="mailto:traceyamorrung-pa.com.au">traceyamorrung-pa.com.au</a>
D F T V Enterprises	Derrick	Vale Snr	5 Mountbatten Close	RUTHERFORD	NSW	2320		0438 812 197	<a href="mailto:deckavale@hotmail.com">deckavale@hotmail.com</a>
Deslee Talbott Consultants	Deslee	Matthews	Unit 2 / 19 South Street	GUNNEDAH	NSW	2380		0431 205 336	<a href="mailto:m-desley@hotmail.com">m-desley@hotmail.com</a>
Divine Diggers Aboriginal Cultural Consultants	Deidre	Perkins	6 Ashleigh Street	HEDDON GRETA	NSW	2321	02 4937 4573	0425 654 290 (preferred)	<a href="mailto:dedemaree3@hotmail.com">dedemaree3@hotmail.com</a>

Organisation	First name	Surname	Address 1	City	State	Post code	Landline	Mobile	Email
Gidawaa Walang & Barkuma Neighbourhood Centre Inc.	Ann Hickey	Debbie Dacey-Sullivan	76 Lang Street	KURRI KURRI	NSW	2327	02 4937 1094	0411 196 991	<a href="mailto:gidawaa.walang@hotmail.com">gidawaa.walang@hotmail.com</a>
Hunter Traditional Owner	Paulette	Ryan	165 Susan Street	SCONE	NSW	2337		0431 109 001	<a href="mailto:hto.paulette@gmail.com">hto.paulette@gmail.com</a>
Hunters & Collectors	Tania	Matthews	U211 Walowa St	NARRABRI	NSW	2390		0409 193 612	<a href="mailto:Tamatthews10@hotmail.com">Tamatthews10@hotmail.com</a>
Jarban & Mugrebea	Les	Atkinson	11 Nelson Street	CESSNOCK	NSW	2325		0466 316 069	<a href="mailto:Les.atkinson@hotmail.com">Les.atkinson@hotmail.com</a>
Jumbunna Traffic Management Group Pty Ltd	Norm	Archibald	17 Flobern Ave	WAUCHOPE	NSW	2446		0413 718 149	<a href="mailto:jtmanagement@live.com.au">jtmanagement@live.com.au</a>
Kauma Pondee Inc.	Jill	Green	Unit 6/1 Central Street	LAMBTON	NSW	2305		0434 210 190	<a href="mailto:kaumapondee@live.com.au">kaumapondee@live.com.au</a>
Kawul Cultural Services	Vicky	Slater	33 Gardner Circuit	SINGLETON	NSW	2330		0421 077 521	<a href="mailto:Vicki.slater@hotmail.com">Vicki.slater@hotmail.com</a>
Kawul Pty Ltd trading as Wonn1 Sites	Arthur	Fletcher	619 Main Road	GLENDALE	NSW	2285	024954 7751	0402 146 193	<a href="mailto:Wonn1sites@gmail.com">Wonn1sites@gmail.com</a>
Lower Hunter Aboriginal Incorporated	David	Ahoy	5 Killara Drive	CARDIFF SOUTH	NSW	2285		0421 329 520	<a href="mailto:lowerhunterai@gmail.com">lowerhunterai@gmail.com</a>
Lower Hunter Wonnarua Cultural Services	Lea-Anne Ball and Uncle Tommy Miller		51 Bowden Street	HEDDON GRETA	NSW	2321	02 4937 2694	0402 636 521 (Uncle)	<a href="mailto:tn.miller@southernphone.com.au">tn.miller@southernphone.com.au</a>
Lower Wonnaruah Tribal Consultancy Pty Ltd	Barry	Anderson	156 The Inlet Road	BULGA	NSW	2330	02 6574 5303	0417 403 153	-
Murra Bidgee Mullangari Aboriginal Corporation	Ryan Johnson	& Darleen Johnson-Carroll	PO Box 246	SEVEN HILLS	NSW	2147		0497 983 332	<a href="mailto:murrabidgeemullangari@yahoo.com.au">murrabidgeemullangari@yahoo.com.au</a>
Myland Cultural & Heritage Group	Warren	Schillings	30 Taurus Street	ELERMORE VALE	NSW	2287		0431 392 554	<a href="mailto:warren@yarnteen.com.au">warren@yarnteen.com.au</a>
Roger Matthews Consultancy	Roger	Matthews	15 Parkinson Avenue	MUSWELLBROOK	NSW	2333		0455 671 288	

Organisation	First name	Surname	Address 1	City	State	Post code	Landline	Mobile	Email
Ungooroo Aboriginal Corporation	Alan	Paget	PO Box 3095	SINGLETON	NSW	2330	02 6571 5111		<a href="mailto:admin@ungooroo.com.au">admin@ungooroo.com.au</a>
Wallagan Cultural Services	Maree	Waugh	PO Box 40	CESSNOCK	NSW	2325		0439 813 078	<a href="mailto:Mareewaugh30@hotmail.com">Mareewaugh30@hotmail.com</a>
Wattaka Wonnarua CC Service	Des	Hickey	4 Kennedy Street	SINGLETON	NSW	2330	02 6573 3786	0432 977 178	<a href="mailto:deshickey@bigpond.com">deshickey@bigpond.com</a>
Widescope Indigenous Group	Steven	Hickey	73 Russell Street	EMU PLAINS	NSW	2750		0425 232 056 0425 230 693	<a href="mailto:Widescope.group@live.com">Widescope.group@live.com</a>
Wonnarua Culture Heritage	Gordon	Griffiths	19 O'Donnell Crescent	METFORD	NSW	2323	02 4934 6437	0401 028 807	
Wonnarua Elders Council	Richard	Edwards	PO Box 844	CESSNOCK	NSW	2325			
Wonnarua Nation Aboriginal Corporation	Laurie	Perry	254 John St	SINGLETON	NSW	2330	02 6571 5419	0412 593 020	<a href="mailto:l.perry@optusnet.com.au">l.perry@optusnet.com.au</a>
Yarrowalk (A division of Tocomwall Pty Ltd), Tocomwall Pty Ltd on behalf of Scott Franks and Anor on behalf of the Plains Clans of the Wonnaru People NSD1680/2013	Scott	Franks	PO Box 76	CARRINGBAH	NSW	1495		0404 171 544	<a href="mailto:scott@tocomwall.com.au">scott@tocomwall.com.au</a>
Yinarr Cultural Services	Kathleen	Steward Kinchela	Lot 5 Westwood Estate	MERRIWA	NSW	2329		0475 436 589	<a href="mailto:yinarculturalservices@bigpond.com">yinarculturalservices@bigpond.com</a> <a href="mailto:dontminemeay@gmail.com">dontminemeay@gmail.com</a>
	Steve	Talbott	73 Kiah Road	GILLIESTON HEIGHTS	NSW	2321		0429 662 911	<a href="mailto:gomeri.namoi@outlook.com">gomeri.namoi@outlook.com</a>
	Kevin	Duncan	95 Moala Parade	CHARMHAVEN	NSW	2263	02 4392 9346	0431 224099	<a href="mailto:kevin.duncan@bigpond.com">kevin.duncan@bigpond.com</a>
Didge Ngunawal Clan	Paul Boyd	& Lilly Carroll	7 Siskin St	QUAKERS HILL	NSW	2763		0426823944	<a href="mailto:didgengunawalclan@yahoo.com.au">didgengunawalclan@yahoo.com.au</a>
Indigenous Learning	Craig	Archibald	2 Victoria Street	BELLBIRD HEIGHTS	NSW	2325	0455 550 549	0467 229 507	<a href="mailto:indiglearning@gmail.com">indiglearning@gmail.com</a>





24 May 2018 ref: OE&H : 24-5-2018/3

RPS  
Ben Slack  
PO BOX 428  
Hamilton NSW 2303

Dear Sir or Madam

**Aboriginal Cultural Heritage Assessment**

**Test Excavation- Black Hill - Quarry Expansion - Howlong**

I refer to your letter of 21 May 2018 regarding the above matter.

We acknowledge that section 4.1.2 of the Office of Environment & Heritage's *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* require you to contact us in order to compile a list of Aboriginal people who may have an interest in the proposed project area and hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places.

However, we advise that NTSCORP's privacy guidelines restrict us from providing proponents with contact details of traditional owners who may have such an interest or hold such knowledge.

Please be advised that, in response to your notification, we will forward your correspondence to any individuals, groups and organisations whom NTSCORP is aware assert traditional interests within or hold cultural knowledge about the relevant area. Recipients of our correspondence will be invited to register their interest in the project directly with you ASAP .

Please be aware that NTSCORP cannot make a guarantee or undertaking that the recipients of our correspondence represent the entirety of traditional owners for the relevant area.

Yours faithfully,

George Tonna  
Land & Notifications Officer  
**NTSCORP Limited**

**From:** [Jo Miller](#)  
**To:** [Benjamin Slack](#)  
**Subject:** [EXT] RE: Registration of Aboriginal Interest Groups  
**Date:** Friday, 1 June 2018 10:53:49 AM  
**Attachments:** [image001.jpg](#)  
[Registration of Aboriginal Interest Groups Advice RPS.pdf](#)

---

Hi Ben,

I refer to your letter attached, received on 25 May 2018.

In addition to Mindaribbah local Aboriginal Land Council, the two key Aboriginal Organisations in the LGA are:

Kiray Putjung Aboriginal Corporation - kirayputjungaboriginalcorp@gmail.com and  
Barkuma Neighbourhood Centre - barkumanc@hotmail.com

Please feel free to contact me if you need any further information,

Kind Regards

Jo



**Jo Miller | Community and Cultural Engagement Officer**

Cessnock City Council | 62-78 Vincent Street Cessnock NSW 2325 | PO 152  
Cessnock NSW 2325  
P: (02) 4993 4258 | M: 0427 818 202  
E: Jo.Miller@cessnock.nsw.gov.au

***I acknowledge Aboriginal people as the traditional custodians of the land on which Cessnock City Council offices and operations are located, and pay my respects to Elders past, present and future.***



# Overlap Analysis Report

## Disclaimer

This information product has been created to assist in understanding the spatial characteristics and relationships of this native title matter and is intended as a guide only. Spatial data used has been sourced from the relevant custodians in Tribunal, and is referenced to the GDA94 datum.

While the National Native Title Tribunal (NNTT) and the Native Title Registrar (Registrar) have exercised due care in ensuring the accuracy of the information provided, it is provided for general information only and on the understanding the Registrar nor the Commonwealth of Australia is providing professional advice. Appropriate professional advice relevant to your circumstances should be sought rather than relying on the information provided. In addition, you must exercise care to carefully evaluate the information provided for accuracy, currency, completeness and relevance for the purpose for which it is to be used.

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

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

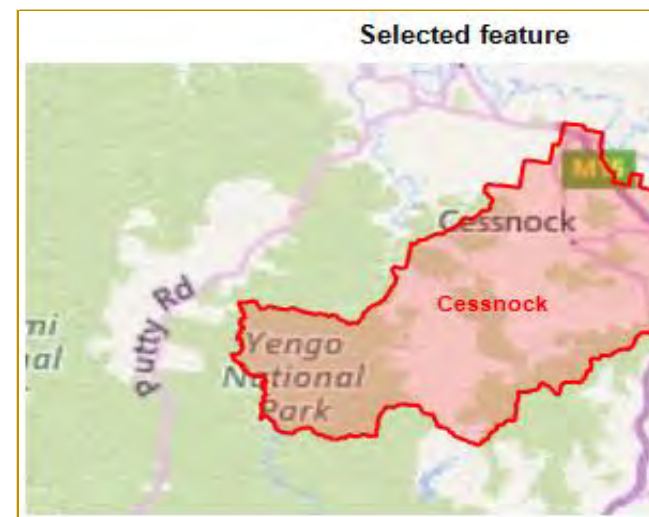
This information should not be relied upon in relation to any matters associated with cultural heritage.

## Please note:

- Calculated areas may not be the same as the legal area of a parcel.
- Where shown, NNTT Tenure Class for a non freehold parcel refers to a tenure grouping derived for the purposes of the Tribunal, and does not necessarily represent the jurisdictional tenure type.
- Overlap results are returned only for the currently active jurisdiction.

## Selected feature

Name	Cessnock
Full name	Cessnock City Council
As at	1/08/2017
Calculated area SqKm	1,964.9021



## Overlap details



## Schedule of Native Title Determination Applications

Overlap Tribunal ID	Name	FC No	Date Lodged	RT Status	Area sq km(calculated)
NC2013/004	Plains Clans of the Wonnarua People	NSD788/2013	13/05/2013	Accepted for registration	0.2564
NC2013/006	Scott Franks and Anor on behalf of the	NSD1680/2013	19/08/2013	Accepted for registration	9,494.2446

## Register of Native Title Claims

Overlap Tribunal ID	Name	FC No	Date Lodged	RT Status	Combined	Area sq km(calculated)
NC2013/004	Plains Clans of the Wonnarua People	NSD788/2013	13/05/2013	Accepted for	N	0.2564
NC2013/006	Scott Franks and Anor on behalf of the	NSD1680/2013	19/08/2013	Accepted for	N	9,494.2446

## Native Title Determinations

No overlap found

## Native Title Determination Outcomes

No overlap found

## Indigenous Land Use Agreements

No overlap found

## RATSIB areas

Name	Organisation	RATSIB Status	Area sq km(calculated)
New South Wales	NTSCORP Limited	NTSP	1,723,577.6107

each jurisdiction, and/or the

it neither the NNTT, the  
your own judgment and



Overlap Area sq km (calculated)
0.2564
1,458.9374

Overlap Area sq km (calculated)
0.2564
1,458.9374

Overlap Area sq km (calculated)
1,964.9021



6 June 2018

Ben Slack  
RPS  
P.O Box 428  
HAMILTON NSW 2303

Dear Ben

**Re: Request - Search for Registered Aboriginal Owners**

I refer to your letter dated 21 May 2018 regarding an Aboriginal Cultural Heritage Assessment Report and test excavation for proposed lots located within Black Hill, NSW.

I have searched the Register of Aboriginal Owners and the project area described does not have Registered Aboriginal Owners pursuant to Division 3 of the Aboriginal Land Rights Act 1983.

I suggest that you contact the Mindaribba Local Aboriginal Land Council on 02 4934 8511. They may be able to assist you in identifying other Aboriginal stakeholders for this project.

Yours sincerely

A handwritten signature in blue ink, consisting of a large loop followed by a series of smaller, connected strokes.

**Jodie Rikiti**  
**Administration Officer**  
Office of the Registrar, ALRA

**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Ashley, Gregory & Adam Sampson  
AGA Services  
22 Ibis Parade  
WOODBERRY NSW 2322

Dear Ashley, Gregory & Adam Sampson

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

In accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents (ACHCRs) (DECCW 2010), F&F Properties is required to consult with relevant Aboriginal stakeholders. The purpose of consultation is to assist the proponent in the preparation on an ACHAR.

Aboriginal persons or groups who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and or place(s) in the Project Area, are invited to register an interest to participate in Aboriginal consultation for this project. We have already been in contact with Office of Environment and Heritage (OEH), Cessnock City Council, Mindaribba Local Aboriginal Land Council, the Registrar of Aboriginal Owners, National Native Title Services Corporation, National Native Title Tribunal and Hunter Local Land Services as per the ACHCRs.

To register interest in this project, please respond in writing on or before **9 July 2018**. Please forward your details to:

Ben Slack  
PO Box 428  
Hamilton NSW 2303  
Phone: (02) 4940 4200  
Fax: (02) 4961 6794  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



In accordance with the ACHCRs, if you register an interest in this project, your details will be forwarded to OEH and the Local Aboriginal Land Council, unless you inform us that you do not want your details released.

We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact the RPS Heritage Team.

Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'Ben Slack', written in a cursive style.

**Ben Slack**  
**Heritage Consultant**





**FIGURE 1: PROJECT AREA**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**





**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Alieria French  
Alieria French Trading  
23B Gommeria St  
BLACKSMITHS NSW 2281

Dear Alieria

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

In accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents (ACHCRs) (DECCW 2010), F&F Properties is required to consult with relevant Aboriginal stakeholders. The purpose of consultation is to assist the proponent in the preparation on an ACHAR.

Aboriginal persons or groups who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and or place(s) in the Project Area, are invited to register an interest to participate in Aboriginal consultation for this project. We have already been in contact with Office of Environment and Heritage (OEH), Cessnock City Council, Mindaribba Local Aboriginal Land Council, the Registrar of Aboriginal Owners, National Native Title Services Corporation, National Native Title Tribunal and Hunter Local Land Services as per the ACHCRs.

To register interest in this project, please respond in writing on or before **9 July 2018**. Please forward your details to:

Ben Slack  
PO Box 428  
Hamilton NSW 2303  
Phone: (02) 4940 4200  
Fax: (02) 4961 6794  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



In accordance with the ACHCRs, if you register an interest in this project, your details will be forwarded to OEH and the Local Aboriginal Land Council, unless you inform us that you do not want your details released.

We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact the RPS Heritage Team.

Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'Ben Slack', written in a cursive style.

**Ben Slack**  
**Heritage Consultant**





**FIGURE 1: PROJECT AREA**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**





**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Darren McKenny  
Arwarbukarl Cultural Resource Association, Miromaa Aboriginal Language and  
Technology Centre  
840 Hunter St  
NEWCASTLE WEST NSW 2302

Dear Darren

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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To register interest in this project, please respond in writing on or before **9 July 2018**. Please forward your details to:

Ben Slack  
PO Box 428  
Hamilton NSW 2303  
Phone: (02) 4940 4200  
Fax: (02) 4961 6794  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



In accordance with the ACHCRs, if you register an interest in this project, your details will be forwarded to OEH and the Local Aboriginal Land Council, unless you inform us that you do not want your details released.

We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact the RPS Heritage Team.

Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'Ben Slack', written in a cursive style.

**Ben Slack**  
**Heritage Consultant**





**FIGURE 1: PROJECT AREA**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
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CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**





**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Peter Leven  
Awabakal Descendants Traditional Owners  
PO Box 137  
BUDGEWOI NSW 2262

Dear Peter

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



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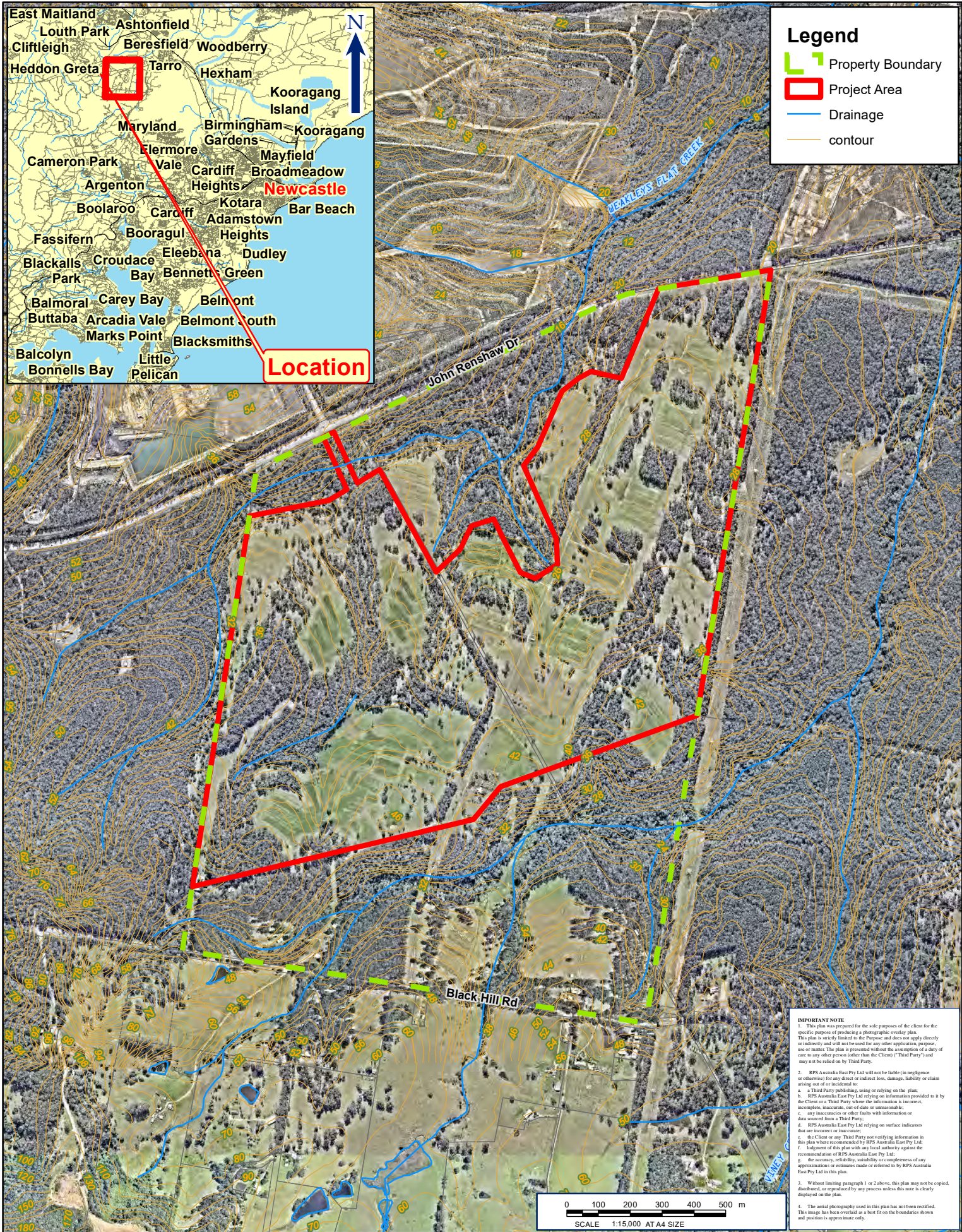
Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'Ben Slack', written in a cursive style.

**Ben Slack**  
**Heritage Consultant**





**FIGURE 1: PROJECT AREA**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Kerrie Brauer  
Awabakal Traditional Owners Aboriginal Corporation  
PO Box 122  
RUTHERFORD NSW 2320

Dear Kerrie

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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To register interest in this project, please respond in writing on or before **9 July 2018**. Please forward your details to:

Ben Slack  
PO Box 428  
Hamilton NSW 2303  
Phone: (02) 4940 4200  
Fax: (02) 4961 6794  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



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Yours sincerely

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**Ben Slack**  
**Heritage Consultant**





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JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Donna & George Sampson  
Cacatua Culture Consultants  
22 Ibis Parade  
WOODBERRY NSW 2322

Dear Donna & George

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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Yours sincerely

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**Heritage Consultant**





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LOCATION: <b>BLACK HILL</b>	DATUM: GDA94 PROJECTION: MGA Zone 56
JOB NO.: <b>PR 139511</b>	Data Sources: RPS, Client
PURPOSE: <b>HERITAGE</b>	Land and Property 2015
Technician: james.hugo	Date: 21/2/2018

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Jeffery Matthews  
Crimson-Rosie  
6 Eucalypt Avenue  
MUSWELLBROOK NSW 2333

Dear Jeffery

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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Yours sincerely

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RPS Australia East Pty Ltd ABN 44 140 292 762  
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**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Tracey Skene  
Culturally Aware  
7 Crawford Place  
MILFIELD NSW 2325

Dear Tracey

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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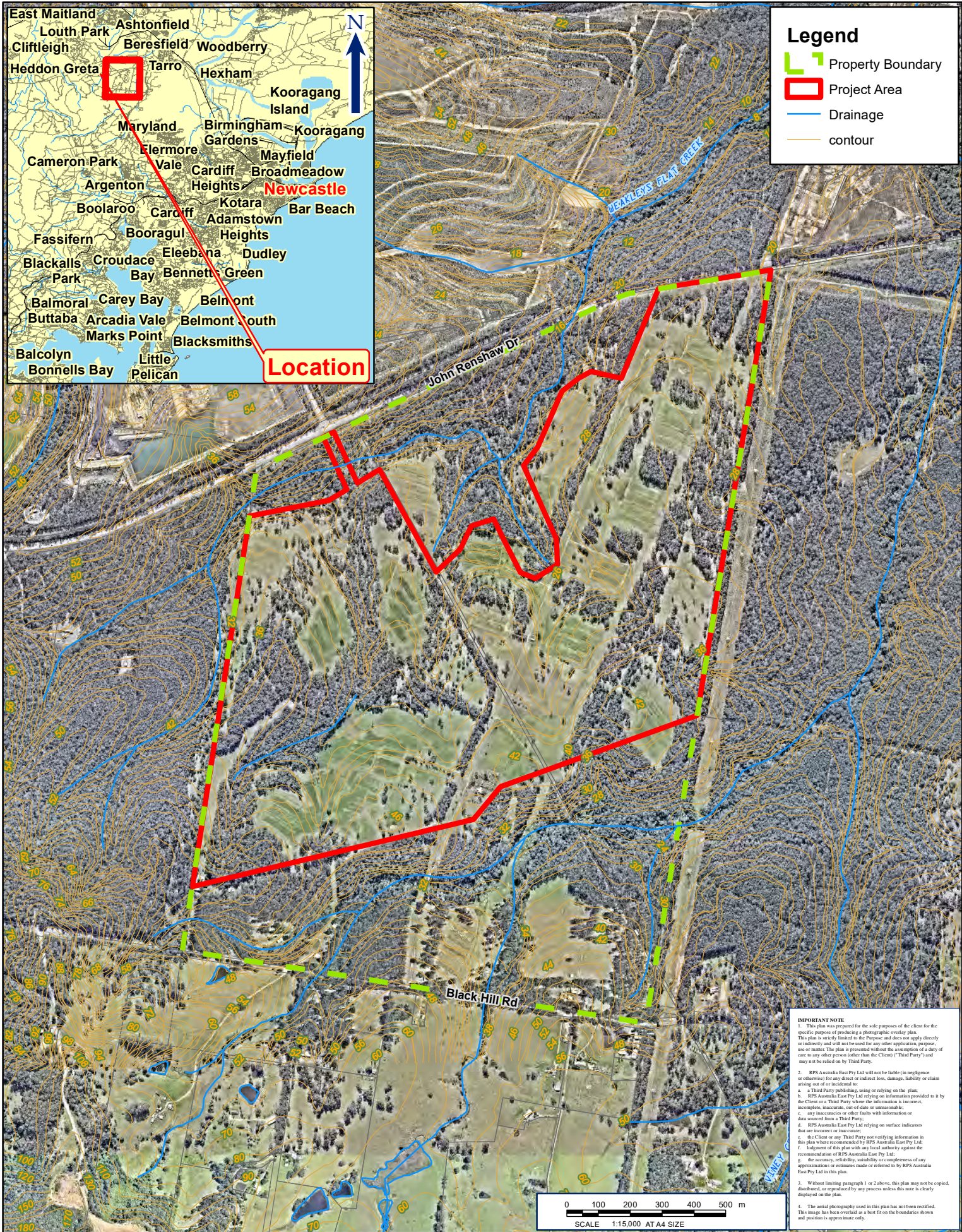


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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Derrick Vale Snr  
D F T V Enterprises  
5 Mountbatten Close  
RUTHERFORD NSW 2320

Dear Derrick

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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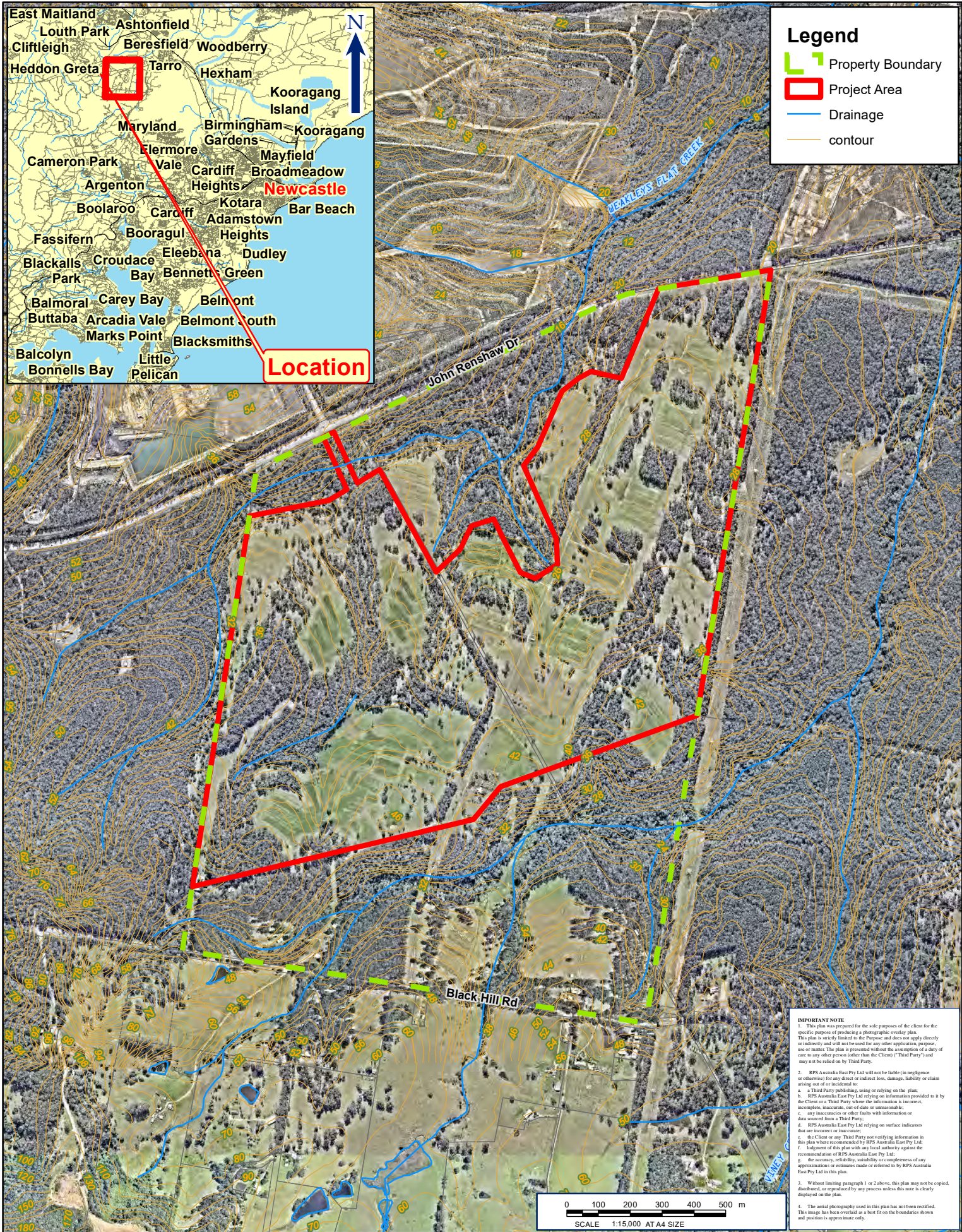
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**Heritage Consultant**





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JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Deslee Matthews  
Deslee Talbott Consultants  
Unit 2 / 19 South Street  
GUNNEDAH NSW 2380

Dear Deslee

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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RPS Australia East Pty Ltd ABN 44 140 292 762  
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**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Paul Boyd & Lilly Carroll  
Didge Ngunawal Clan  
7 Siskin St  
QUAKERS HILL NSW 2763

Dear Paul Boyd & Lilly Carroll

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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JOB NO.:	<b>PR 139511</b>	PROJECTION: MGA Zone 56
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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Deidre Perkins  
Divine Diggers Aboriginal Cultural Consultants  
6 Ashleigh Street  
HEDDON GRETA NSW 2321

Dear Deidre

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Ann Hickey & Debbie Dacey- Sullivan  
Gidawaa Walang & Barkuma Neighbourhood Centre Inc.  
76 Lang Street  
KURRI KURRI NSW 2327

Dear Ann Hickey & Debbie Dacey- Sullivan

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Paulette Ryan  
Hunter Traditional Owner  
165 Susan Street  
SCONE NSW 2337

Dear Paulette

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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Ben Slack  
PO Box 428  
Hamilton NSW 2303  
Phone: (02) 4940 4200  
Fax: (02) 4961 6794  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



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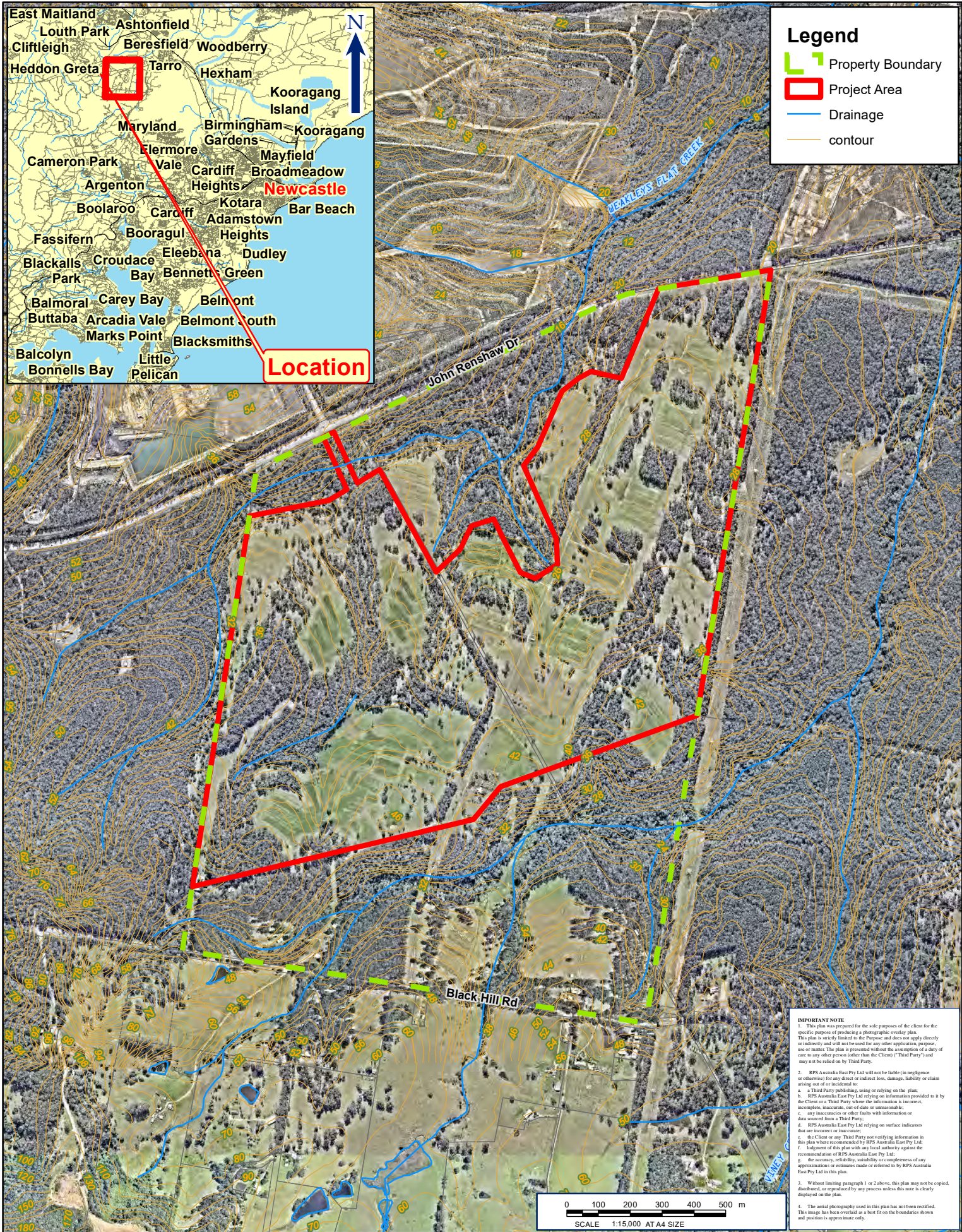
Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'Ben Slack', written in a cursive style.

**Ben Slack**  
**Heritage Consultant**





**FIGURE 1: PROJECT AREA**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Tania Matthews  
Hunters & Collectors  
U211 Walowa St  
NARRABRI NSW 2390

Dear Tania

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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Yours sincerely

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**Heritage Consultant**





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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Craig Archibald  
Indigenous Learning  
2 Victoria Street  
BELLBIRD HEIGHTS NSW 2325

Dear Craig

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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Yours sincerely

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Les Atkinson  
Jarban & Mugrebea  
11 Nelson Street  
CESSNOCK NSW 2325

Dear Les

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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Yours sincerely

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Norm Archibald  
Jumbunna Traffic Management Group Pty Ltd  
17 Flobern Ave  
WAUCHOPE NSW 2446

Dear Norm

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Jill Green  
Kauma Pondee Inc.  
Unit 6/1 Central Street  
LAMBTON NSW 2305

Dear Jill

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Vicky Slater  
Kawul Cultural Services  
33 Gardner Circuit  
SINGLETON NSW 2330

Dear Vicky

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Arthur Fletcher  
Kawul Pty Ltd  
trading as Wonn1 Sites  
619 Main Road  
GLENDALE NSW 2285

Dear Arthur

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: David Ahoy  
Lower Hunter Aboriginal Incorporated  
5 Killara Drive  
CARDIFF SOUTH NSW 2285

Dear David

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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RPS Australia East Pty Ltd ABN 44 140 292 762  
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**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Lea-Anne Ball and Uncle Tommy Miller  
Lower Hunter Wonnarua Cultural Services  
51 Bowden Street  
HEDDON GRETA NSW 2321

Dear Lea-Anne Ball and Uncle Tommy Miller

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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To register interest in this project, please respond in writing on or before **9 July 2018**. Please forward your details to:

Ben Slack  
PO Box 428  
Hamilton NSW 2303  
Phone: (02) 4940 4200  
Fax: (02) 4961 6794  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)





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Yours sincerely

**RPS**

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**Ben Slack**  
**Heritage Consultant**



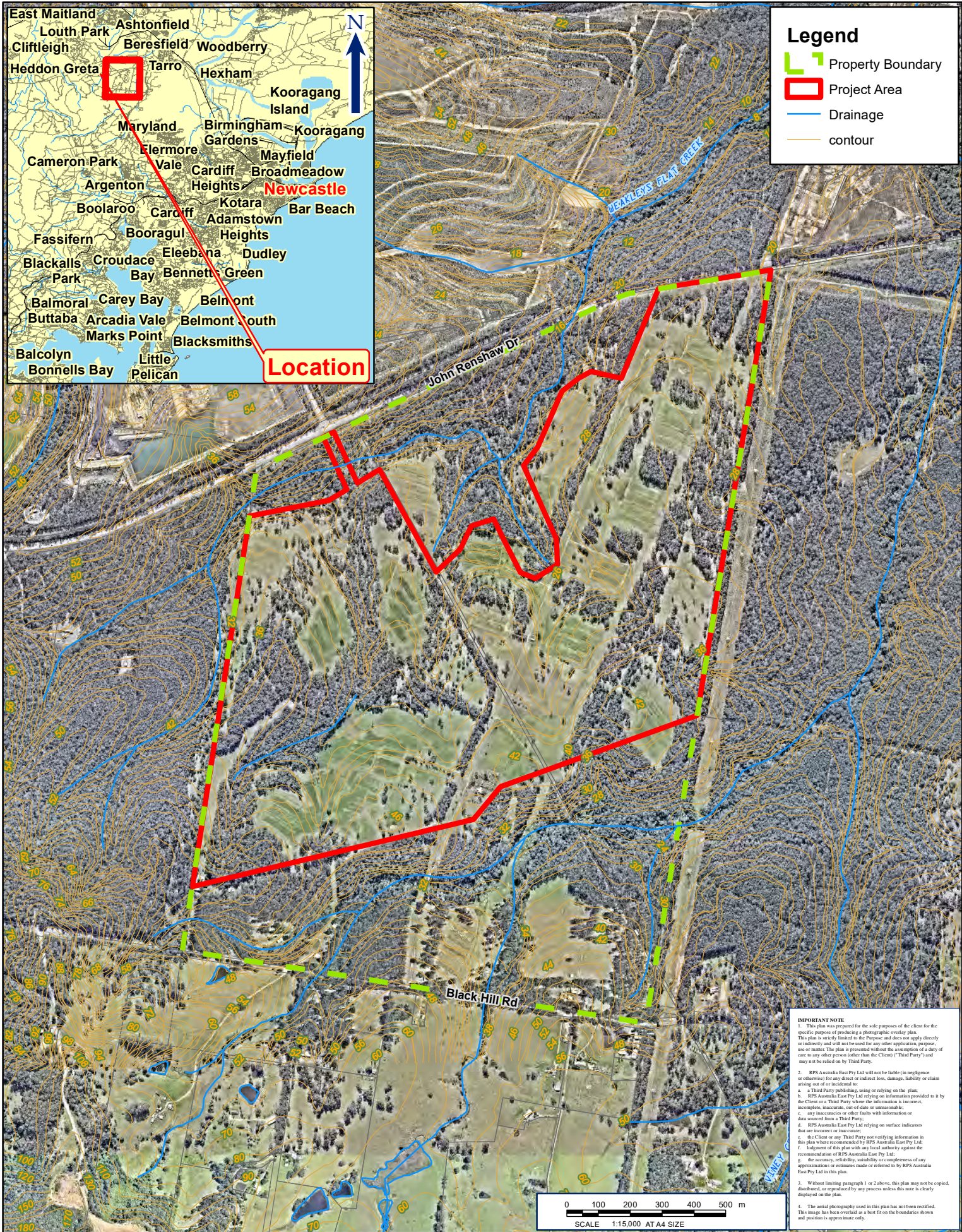


FIGURE 1: PROJECT AREA

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

RPS



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Barry Anderson  
Lower Wonnaruah Tribal Consultancy Pty Ltd  
156 The Inlet Road  
BULGA NSW 2330

Dear Barry

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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Yours sincerely

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**Ben Slack**  
**Heritage Consultant**





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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Ryan Johnson & Darleen Johnson-Carroll  
Murra Bidgee Mullangari Aboriginal Corporation  
PO Box 246  
SEVEN HILLS NSW 2147

Dear Ryan Johnson & Darleen Johnson-

Carroll

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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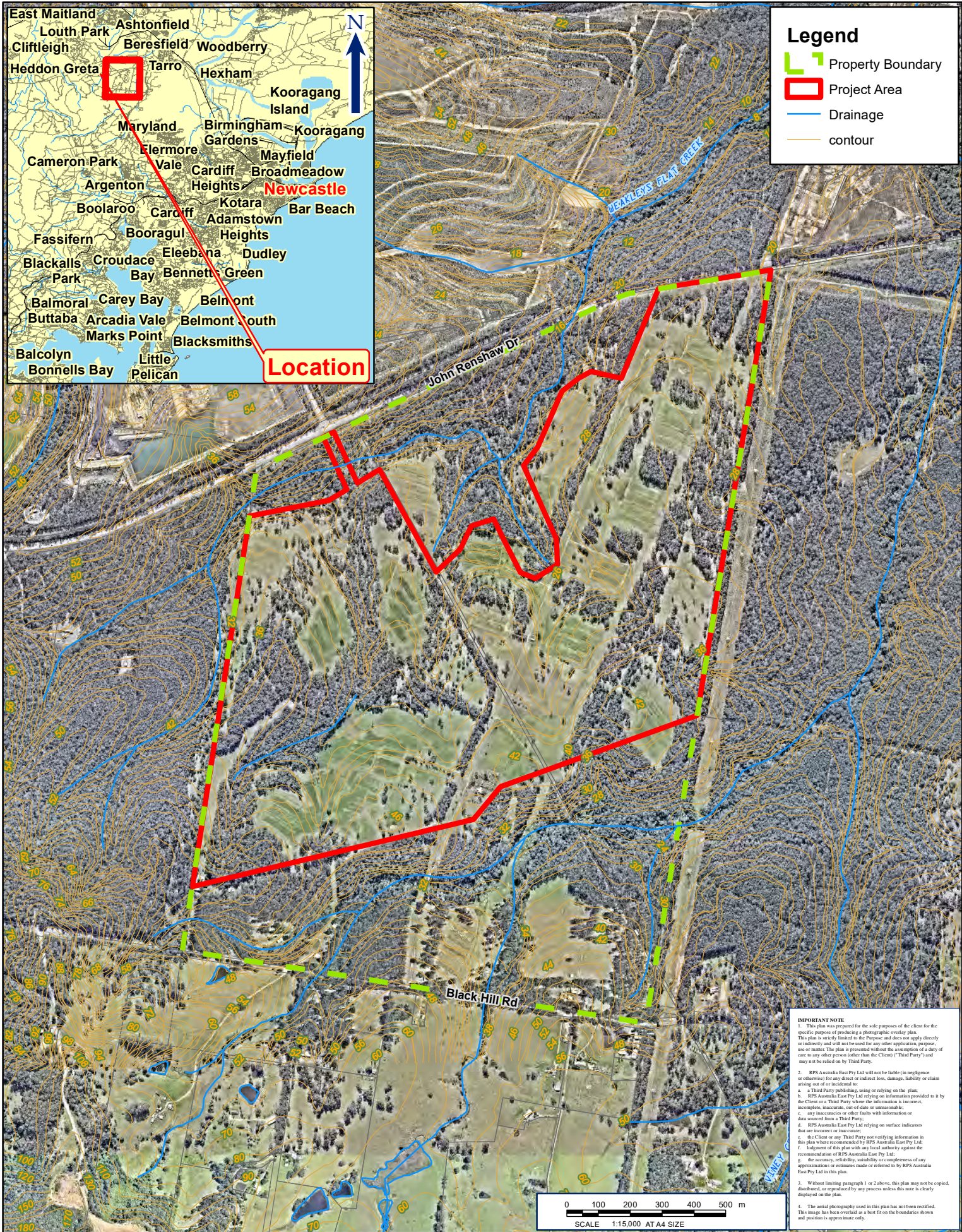
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**Ben Slack**  
**Heritage Consultant**





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JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
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Technician: james.hugo	Date: 21/2/2018	

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Warren Schillings  
Myland Cultural & Heritage Group  
30 Taurus Street  
ELERMORE VALE NSW 2287

Dear Warren

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Roger Matthews  
Roger Matthews Consultancy  
15 Parkinson Avenue  
MUSWELLBROOK NSW 2333

Dear Roger

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Alan Paget  
Ungooroo Aboriginal Corporation  
PO Box 3095  
SINGLETON NSW 2330

Dear Alan

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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JOB NO.: <b>PR 139511</b>	Data Sources: RPS, Client
PURPOSE: <b>HERITAGE</b>	Land and Property 2015
Technician: james.hugo	Date: 21/2/2018

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Maree Waugh  
Wallagan Cultural Services  
PO Box 40  
CESSNOCK NSW 2325

Dear Maree

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Des Hickey  
Wattaka Wonnarua CC Service  
4 Kennedy Street  
SINGLETON NSW 2330

Dear Des

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Steven Hickey  
Widescope Indigenous Group  
73 Russell Street  
EMU PLAINS NSW 2750

Dear Steven

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Gordon Griffiths  
Wonnarua Culture Heritage  
19 O'Donnell Crescent  
METFORD NSW 2323

Dear Gordon

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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To register interest in this project, please respond in writing on or before **9 July 2018**. Please forward your details to:

Ben Slack  
PO Box 428  
Hamilton NSW 2303  
Phone: (02) 4940 4200  
Fax: (02) 4961 6794  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



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Yours sincerely

**RPS**

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**Ben Slack**  
**Heritage Consultant**



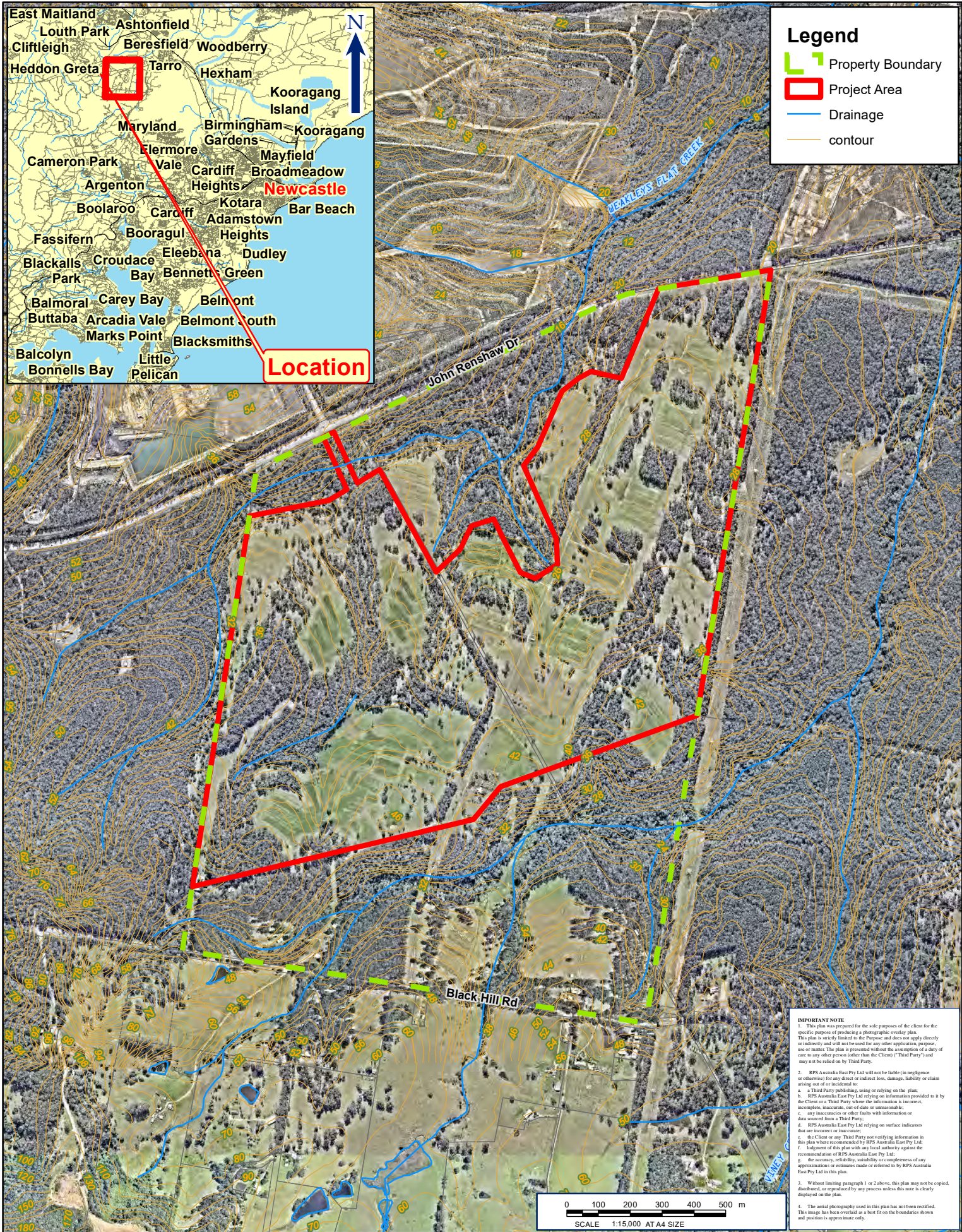


FIGURE 1: PROJECT AREA

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

RPS



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Richard Edwards  
Wonnarua Elders Council  
PO Box 844  
CESSNOCK NSW 2325

Dear Richard

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

RPS Australia East Pty Ltd (RPS) have been engaged by F&F Properties c/- Barr Property and Planning to undertake an Aboriginal Cultural Heritage Assessment Report (ACHAR) to support an archaeological test excavation methodology and an Aboriginal Heritage Impact Permit (AHIP) application for the proposed development within Lot 1131 DP1057179, at Black Hill. The Project Area is located in the Cessnock Local Government Area (LGA) (**Figure 1**).

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**Ben Slack**  
**Heritage Consultant**





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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Laurie Perry  
Wonnarua Nation Aboriginal Corporation  
254 John St  
SINGLETON NSW 2330

Dear Laurie

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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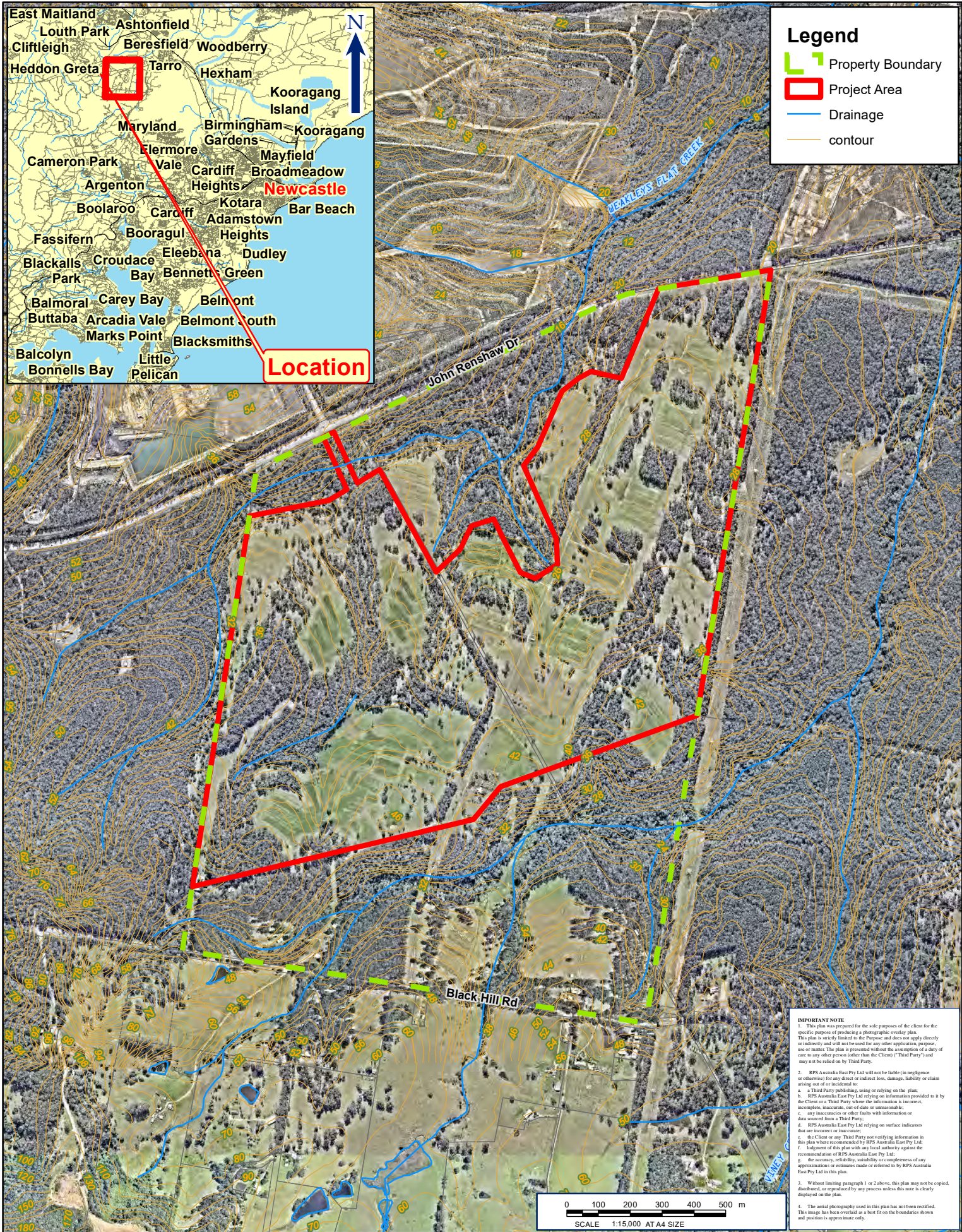
Yours sincerely

**RPS**

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**Ben Slack**  
**Heritage Consultant**





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LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
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**RPS**





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T +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Scott Franks  
Yarrowalk (A division of Tocomwall Pty Ltd), Tocomwall Pty Ltd on behalf of  
Scott Franks and Anor on behalf of the Plains Clans of the Wonnaru People  
NSD1680/2013  
PO Box 76  
CARRINGBAH NSW 1495

Dear Scott

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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**Heritage Consultant**



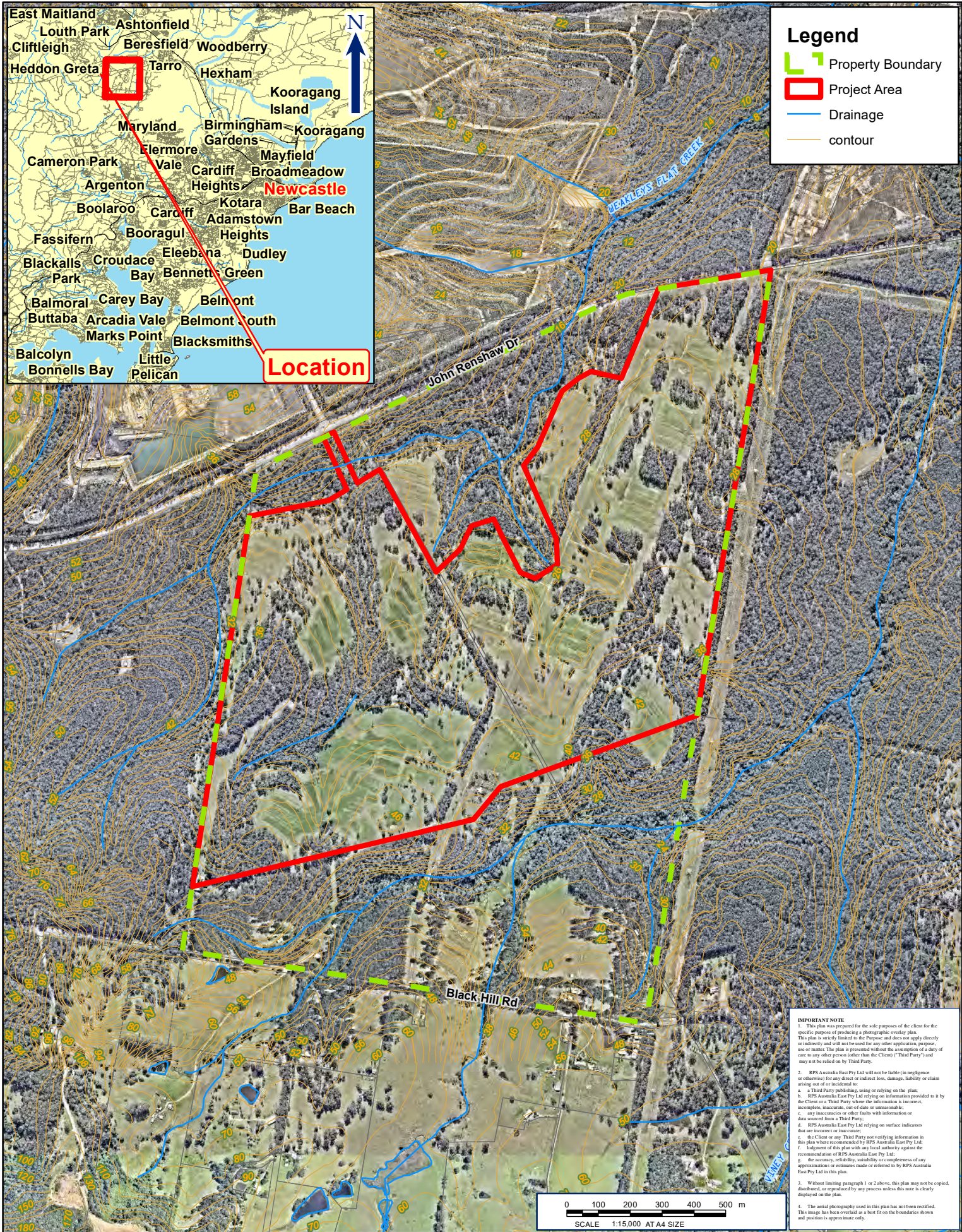


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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Kathleen Steward Kinchela  
Yinarr Cultural Services  
Lot 5 Westwood Estate  
MERRIWA NSW 2329

Dear Kathleen

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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Yours sincerely

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**Heritage Consultant**





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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Steve Talbott  
73 Kiah Road  
GILLIESTON HEIGHTS NSW 2321

Dear Steve

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Kevin Duncan  
95 Moala Parade  
CHARMHAVEN NSW 2263

Dear Kevin

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

**Date:** 25/06/2018  
**Our Ref:** 139511  
**Via:** Email

Attn: Sharon Hodgetts  
21/29 Central Coast Hwy  
WEST GOSFORD NSW 2250

Dear Sharon

**Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report**

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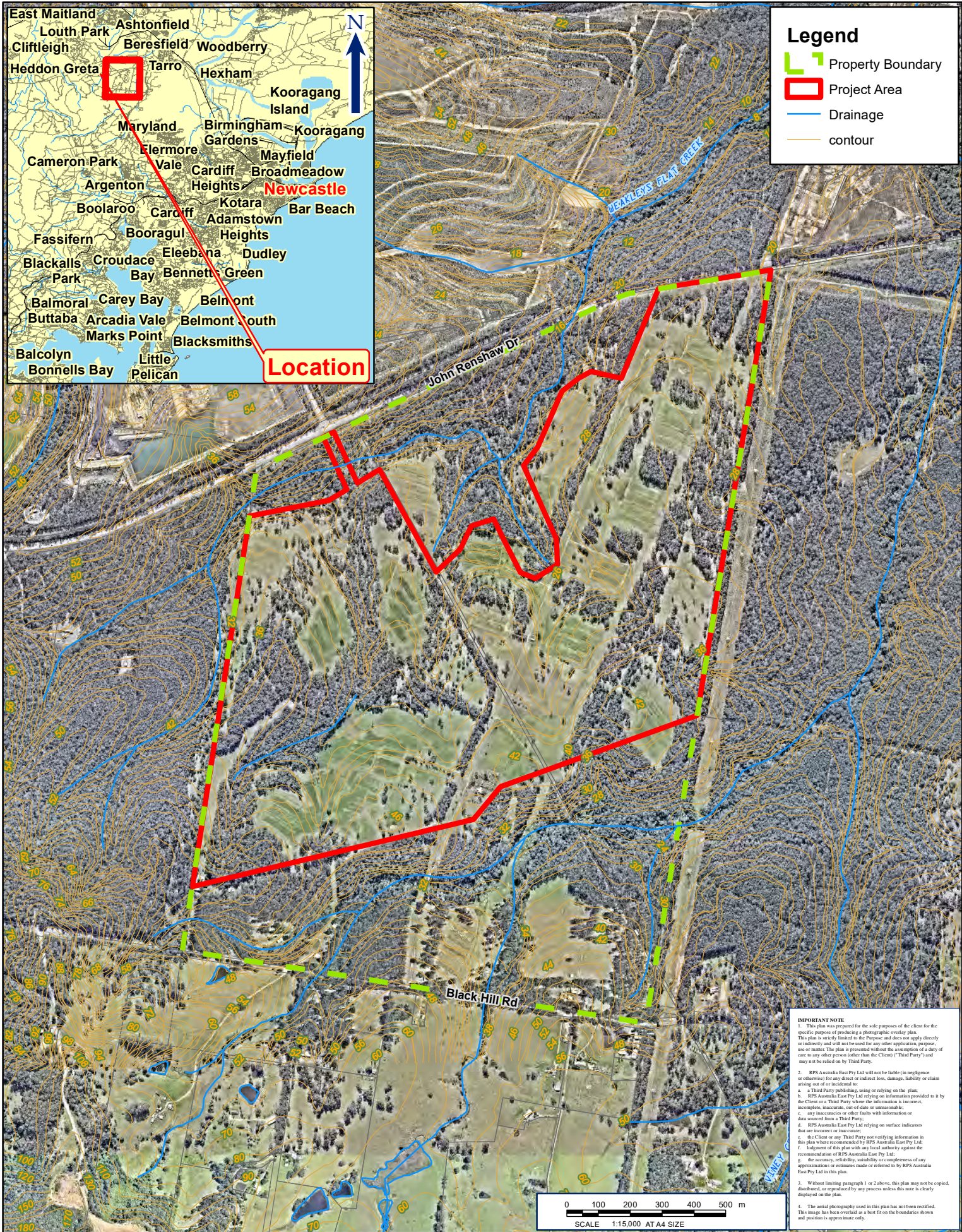
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**Heritage Consultant**





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**RPS**



## Alex Byrne

---

**From:** steve talbott <talbo.minda@hotmail.com>  
**Sent:** Sunday, 1 July 2018 8:11 PM  
**To:** Benjamin Slack  
**Subject:** [EXT] Blackhill

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Ben

Just confirming that my expression of interest was recieved on Thursday as my email was down and I call to register could you please confirm you recieved this

Regards

Steven Talbott

**From:** [lilly.carroll](#)  
**To:** [Benjamin Slack](#)  
**Subject:** [EXT] Expression of interest  
**Date:** Monday, 2 July 2018 2:27:30 PM

---

Hi Ben

Didge Ngunawal Clan would like to register an expression of interest into Re: Black Hill

Kind regards DNC  
Paul Boyd and Lilly carroll  
0426823944

Sent from myMail for iOS





**Wattaka Wonnarua Cultural Consultancy Servicers  
Ph: 0432977178 email: [deshickey@bigpond.com](mailto:deshickey@bigpond.com)  
Des Hickey manager ABN: 57914734012**

**Date: 2 July 2018**

**To: RPS  
Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)  
Ph: 02 4940 4200**

**Re: Expression of Interest: Black Hill Aboriginal Cultural heritage Assessment Report.**

**Attn: Ben Slack**

**Dear Ben**

**Thank you for your letter dated 25th/6/2018 my group wish to register our interest for consultation and involvement in the above said project, we hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and places within the project area.**

**We wish that our information be forwarded on to OEH only.**

**Please call or email if you require any further information.**

**Regards**

**Des Hickey  
Manager**

# Valley ELM Corp



**Aboriginal Corporation Email: [valleyelmcorp@bigpond.com](mailto:valleyelmcorp@bigpond.com)**

**Ph:0402773986 ABN: 42289115689 Irene Ardler secretary and contact person.**

**Date: 2nd July 2018**

**To: RPS**

**Re: Expression of Interest, Black Hill Aboriginal Cultural Heritage Assessment Report.**

**Attn: Ben Slack**

**Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)**

**Dear Ben**

**Please register our corporation interest to be consulted and involvement in this project our corporation are knowledge holders of Aboriginal cultural & heritage and places within the project area and surrounding country  
Please let me know if you need further information.**

**Regards**

**Irene Ardler**

**Secretary for Valley ELM Corp**



**From:** [cacatua4service@tpg.com.au](mailto:cacatua4service@tpg.com.au)  
**To:** [Benjamin Slack](#)  
**Subject:** [EXT] Cacatua EOI Black Hill REF: 139511  
**Date:** Tuesday, 3 July 2018 1:11:09 PM

---

Ben,

Cacatua General Services would like to express an interest in being involved in the Black Hill Aboriginal Cultural Heritage Assessment Report.

Cacatua is an Aboriginal owned business created to assist proponents and Archaeologists to undertake cultural heritage archaeological assessment according to all processes and approved conditions. Our aim is to provide quality Aboriginal cultural heritage works, while ensuring compliance to work specific practices.

Our Organisation is fully insured and registered with OEH. The staffs of Cacatua have undertaken work on all types of sites.

Please do not hesitate to contact us if you require more information.

Yours truly



George Sampson

Manager

**Alex Byrne**

---

**From:** cacatua4service@tpg.com.au  
**Sent:** Tuesday, 3 July 2018 1:18 PM  
**To:** Benjamin Slack  
**Subject:** [EXT] AGA Services EOI Black Hill

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Ben,

AGA Services would like to express an interest in being involved with the Black Hill Aboriginal Cultural Heritage Assessment.

AGA Services is an Aboriginal owned partnership business that aims to assist proponents in undertaking cultural heritage work according to all processes and approved conditions, while ensuring compliance to work specific practices.

Our Organisation is fully insured and registered with OEH. We have undertaken work on all types of sites. Please do not hesitate to contact us if you require more information.

Yours truly

*A Sampson*

Ashley Sampson

*G Sampson*

Gregory Sampson

*Adam Sampson*

Adam Sampson

P.S. Please sent all email for AGA Services through this email address as Cacatua is doing all the Administration work for us.

thank you

Ashley



**From:** [Gidawaa Walang Cultural Heritage Consultancy](#)  
**To:** [Benjamin Slack](#)  
**Subject:** [EXT] Expression of Interest: Black Hill Aboriginal Cultural Assessment Report  
**Date:** Wednesday, 4 July 2018 4:15:34 PM  
**Attachments:** [EOI Black Hill ACHAR.jpg](#)

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Hi Ben,

Please find attached Expression of Interest to participate in Black Hill's ACHAR.

I do not have a problem with our details being, Barkuma Neighbourhood Centre trading as Gidawaa Walang or my Name being forwarded to both the OEH or the Local Aboriginal Land Council however I do NOT give consent to release the contents of the Expression of Interest on to the Local Aboriginal Land Council.

Kind Regards,

Craig Horne  
Cultural Project Officer

**Gidawaa Walang Cultural Heritage Consultancy**

trading name of Barkuma Neighbourhood Centre Inc.  
76 Lang Street, Kurri Kurri 2327 | Phone: 02 4937 1094  
[www.barkuma.org](http://www.barkuma.org) | Fax: 02 4936 4449

**From:** [maree waugh](#)  
**To:** [Benjamin Slack](#)  
**Subject:** [EXT] Expression of Interest  
**Date:** Thursday, 5 July 2018 10:19:35 AM

---

Hi Ben,

I would like to put in my expression of Interest in for the Black Hill Aboriginal Cultural Heritage Assessment Report.

Thank you  
Maree Waugh  
Wallangan Cultural Services

Get [Outlook for Android](#)



**From:** [tn.miller@southernphone.com.au](mailto:tn.miller@southernphone.com.au)  
**To:** [Benjamin Slack](#)  
**Cc:** [Nicole Davis](#); [Steven Cox](#)  
**Subject:** [EXT] Expression of Interest: Black Hill ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT  
**Date:** Thursday, 5 July 2018 11:42:16 AM

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Ben we the LOWER HUNTER WONNARUA CULTURAL SERVICES want to register our expression of interest in the above project. We have cultural knowledge of this project area the significance of this area which is of cultural significance to our people. If you need anymore information I can be contacted on mobile number 0402 636 521.

Regards  
Tom Miller  
WONNARUA ELDER LHWCS

## Alex Byrne

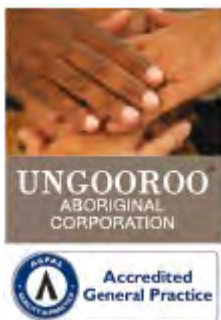
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**From:** Admin <admin@ungooroo.com.au>  
**Sent:** Thursday, 5 July 2018 1:26 PM  
**To:** Benjamin Slack  
**Subject:** [EXT] Black Hill Aboriginal Cultural Heritage Assessment Report

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Good morning Ben,

I am emailing you on behalf of Ungooroo Aboriginal Corporation and our representative Mr Allen Paget to register our interest in the Black Hill Cultural Heritage Assessment Report.



*Kind Regards*

**Melanie Schulz** | MEDICAL ADMINISTRATION OFFICER

**PHONE** 02 6571 5111 | **FAX** 02 6571 5777

**LOCATION** 128 George Street, Singleton NSW 2330

**POST** PO Box 3095, Singleton NSW 2330

**EMAIL** admin@ungooroo.com.au | **WEB** www.ungooroo.com.au

**WUPA** www.wupaatwanaruah.com.au | **DOOKAL** www.dookalclothing.com.au



*Ungooroo Aboriginal Corporation acknowledges Aboriginal and Torres Strait Islander people as the Traditional Owners. We would like to acknowledge the Traditional Owners of our area, the Wanaruah People.*

*We pay our respect to the elders past, present and future for they hold the memories, traditions, culture and hope of Indigenous peoples in Australia.*



**From:** [Jason Brown](#)  
**To:** [Benjamin Slack](#)  
**Cc:** [Tara Dever](#)  
**Subject:** [EXT] NTSCORP Aboriginal Cultural Heritage Assessment Test Excavation Black Hill  
**Date:** Thursday, 5 July 2018 3:16:43 PM  
**Attachments:** [image001.jpg](#)

---

Hi Ben

Mindaribba Local Aboriginal Lands Council would like to register our interest in the test excavation at Black Hill. Culturally Aware – Tracey Skene , Wonnarua Cultural Heritage – Gordon Griffiths – Wallangen Cultural Services – Maree Waugh and Lower Hunter Wonnarua services – Tom Miller are other stake holders who have cultural knowledge of the area.

Kind Regards,

**Jason Brown**

Culture and Heritage | Mindaribba Local Aboriginal Land Council

1A Chelmsford Drive, Metford NSW 2323

PO Box 401, East Maitland NSW 2323

p: 02 4015 7000 | f: 02 4934 8544 | e: [cultureandheritage@mindaribbalalc.org](mailto:cultureandheritage@mindaribbalalc.org)

A social, health and learning hub for our Aboriginal community.

MLALC LOGO



I acknowledge and respect the traditional lands of all Aboriginal people, and I respect Elders past & present.

I ask all those that walk, work & live on traditional Aboriginal lands to be respectful of culture & traditions.

## Alex Byrne

---

**From:** Dawn Edwards <dawnrichard@bigpond.com>  
**Sent:** Saturday, 7 July 2018 8:35 PM  
**To:** Benjamin Slack  
**Subject:** [EXT] Black Hill

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Ben

In reply to your letter dated 25.6.2018 for Expression of Interest: Black Hill Aboriginal Cultural Heritage Assessment Report, Wonnarua Elders Council would like to register their expression of interest and look forward to further communication.

Regards  
Richard Edwards  
Treasurer  
Wonnarua Elders Council Inc.



## Alex Byrne

---

**From:** Decka Vale <deckavale@hotmail.com>  
**Sent:** Sunday, 8 July 2018 2:13 PM  
**To:** Benjamin Slack  
**Subject:** [EXT] Black Hill ACHAR

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

G'day Ben

DFTV ENTERPRISES would like to Express our Interest in the Black Hill Aboriginal Cultural Heritage Assessment Report.

Kind Regards

Derrick Vale

**From:** [Tracey Skene](#)  
**To:** [Benjamin Slack](#)  
**Subject:** [EXT] EOI-Black Hill Aboriginal Cultural Heritage Assessment Report  
**Date:** Tuesday, 10 July 2018 1:53:18 PM

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Good Afternoon Ben,

I have received your letter in regards to the above Assessment and would like to be consulted in regards to this Assessment, I have been involved in Heritage and culture for 20 + years and very familiar with the cultural landscape of this area and its surrounding cultural Landscape.

I am also familiar with the cultural background and sites within these landscapes and would like to be consulted in regards to this proposed Study area.

Thanks

Tracey Skene(Culturally Aware)

Please forward all correspondences to this email

Kind regards

Tracey Skene

7 Crawford Place, Millfield NSW 2325

Mobile 0474106537







**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Steve Talbot  
Individual  
73 Kiah Road  
Gillieston Heights 2321

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Steve Talbot

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

Thank you for your registration of interest in this project. Attached is the information about the proposed project and Aboriginal Heritage Assessment Report (ACHAR), including the methodology for test excavation and collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the *Aboriginal Cultural Heritage Consultation Requirements* (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

If you could provide your feedback to RPS by 5pm on 7 August 2018, either by email or return mail that would be greatly appreciated. Please address methodology feedback to CLH personnel.

[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

PO Box 428

Hamilton NSW 2292

Phone: 02 4940 4200

Fax: 02 4961 6794

We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



## Aboriginal Cultural Heritage Assessment Report for Black Hill, NSW: Project Information and Protocols for Sensitive Cultural Information

The following information has been provided in accordance with the ACHCR process. Information has been provided on the proposed project (as required by Stage 2 ACHCRs) as well as on gathering information regarding cultural significance assessment (Stage 3) as required by the ACHCRs. The project will be assessed under Part 4 of the *Environmental Planning and Assessment Act 1979*.

### Project Information

RPS Australia East Pty Ltd has been engaged by Broaden Management Ltd c/- Barr Property and Planning to prepare an Aboriginal Cultural Heritage Assessment Report (ACHCR) and preparation of an Aboriginal Heritage Impact Permit (AHIP) for at Lot 1131, Deposited Plan (DP) 1057179 at Black Hill in the Cessnock Local Government Area (LGA) (Figure 1), ahead of their proposed development. As a part of the ACHAR, potential impacts on Aboriginal cultural heritage will be assessed, and appropriate recommendations made.

In 2013 RPS conducted a due diligence assessment over the project area and identified two registered AHIMS sites and three areas of archaeological sensitivity.

As part of the ACHCR process Aboriginal stakeholders are asked to provide feedback to information sent regarding the project, as well as provide cultural heritage information as appropriate in accordance with the role specified in the ACHCR 2010, pages 15-16. RPS, on behalf of Broaden Management Ltd c/- Barr Property and Planning, in accordance with their role under the ACHCRs is consulting with the Aboriginal stakeholders, supplying suitable project information and providing the opportunity for Aboriginal stakeholder to provide input into the heritage management process as specified in the ACHCRs 2010, pages 16-17.

### Aboriginal Cultural Heritage Assessment Methodology

The methodology for the ACHAR comprises:

- A review of environmental background and heritage context;
- An Aboriginal Heritage Information Management System (AHIMS) search;
- Formulation of a predictive model;
- Test excavation within identified areas of archaeological sensitivity;
- Assessment of significance; and,
- Formulation of recommendations for heritage management.

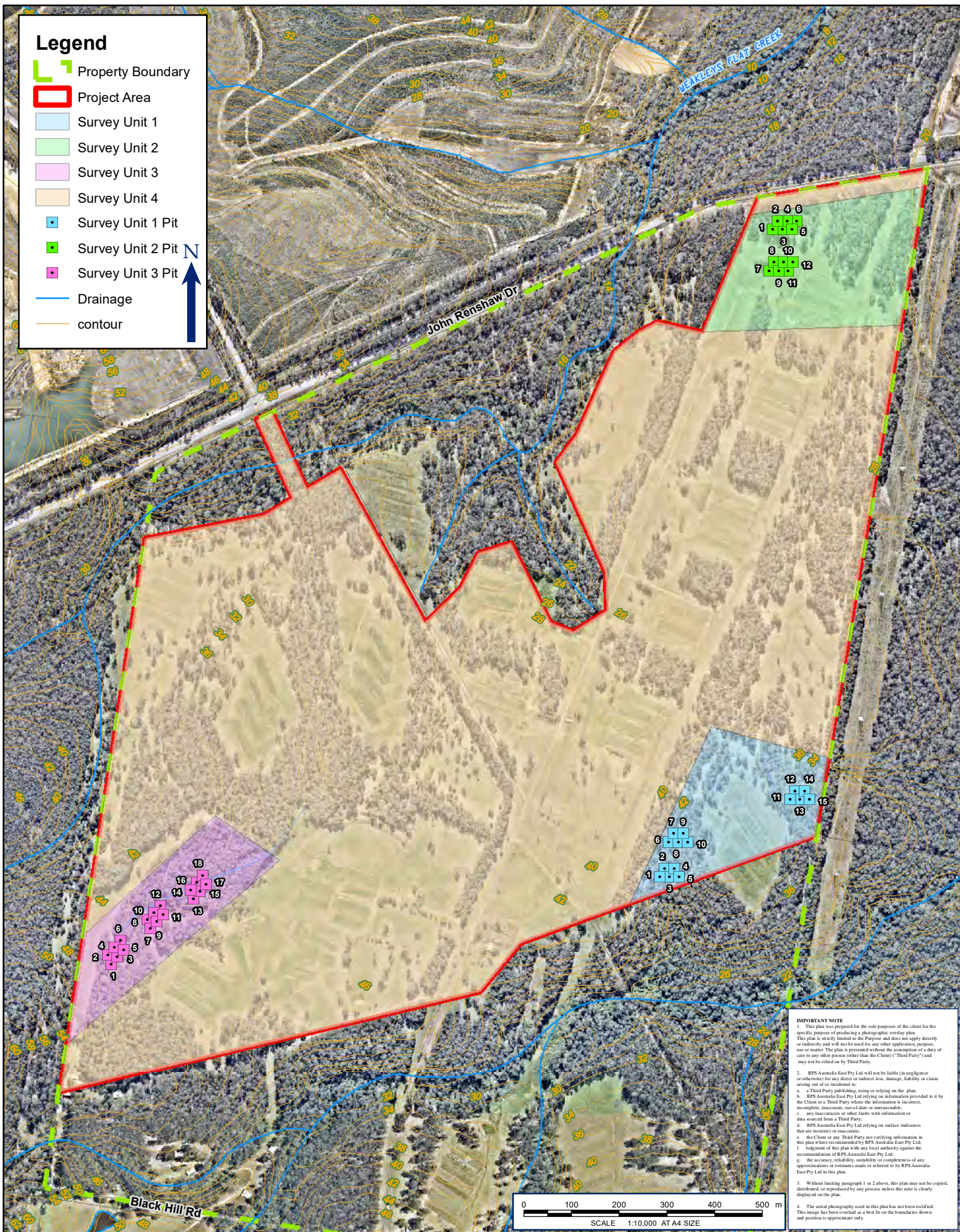
The above components of the Aboriginal heritage assessment methodology will be completed in consultation with Aboriginal stakeholders.

RPS invites Aboriginal stakeholders to provide culturally appropriate information verbally or in writing with regards to this project (a feedback form is attached and may be used as necessary). This includes any places of cultural value which may or may not contain archaeological material.

Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 3), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

As part of this methodology Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.





**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

## Test Excavation

Three areas of archaeological sensitivity were identified during the RPS visual inspection conducted in 2013. All three sites will be subject to an archaeological test excavation and are shown in Figure 1.

Test excavation under the *Code of Practice for Archaeological investigation of Aboriginal Objects in New South Wales* (Code of Practice) aims to collect information about the nature and extent of sub-surface Aboriginal objects based on a sample derived from sub-surface investigations. Test excavations contribute to the understanding of site characteristics and local and regional prehistory and they can be used to inform conservation goals and harm mitigation measures for the proposed activity (DECCW 2010:24). The test excavation results are also used for specifying how much subsurface salvage is required as part of the AHIP.

### Field Methods

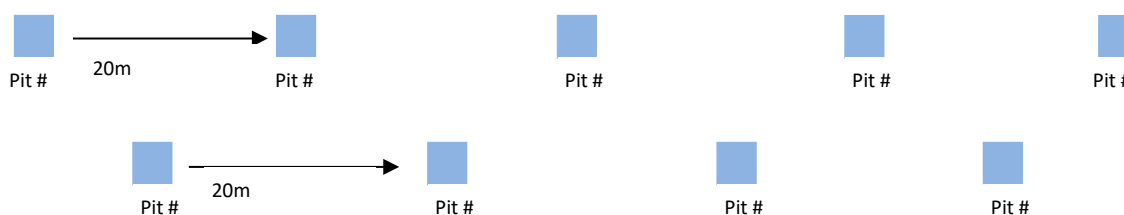
The following field test excavation methods have been prepared in accordance with Requirement 16 of the Code of Practice.

Pits will be hand excavated and will be 0.5m x 0.5m in dimension. The first pit will be excavated in 5cm spits, based on evidence of this excavation unit, 10cm spits may be implemented. If distinct features are identified, then pits may be excavated stratigraphically. All material excavated will be sieved using a 5mm aperture sieve. The excavation of individual pits will cease once clay has been reached or after two consecutive sterile spits have been excavated. For safety reasons pits will not be excavated beyond a metre depth.

Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

- Locally or regionally high object density;
- Presence of rare or representative objects;
- Presence of archaeological features or locally or regionally significant deposits, stratified or not.

In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

- Hand excavation using shovels, trowels and other manual tools.
- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
- Test excavation pits will each be back-filled as soon as practicable following completion of excavation

#### Cessation of Test Excavation

- As per requirement 17 under the Code of Practice test excavations will cease when: suspected human remains are encountered; or
- Enough information has been recovered to adequately characterise the objects present with regard to their nature and significance and/or the threshold of 0.5% of the site has been investigated (requirement 16a).

## Recording and Storage of the Archaeological Material

### Aboriginal Objects Recovered During Test Excavations

Any Aboriginal objects that are moved during test excavation will be reburied as soon as practicable or stored in a secure temporary storage location in accordance with Requirement 26 of the Code of Practice pending any agreement reached as to the long-term management of the salvaged Aboriginal objects.

Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

- The catalogue will be in printed form but may also include an electronic database in the form of a table containing all records.
- All stone artefacts will be individually bagged or bagged in appropriate and identifiable units (e.g. excavation or collection units) that can be referenced back to the catalogue.
- The stone artefacts will be stored in good quality, plastic zip-lock bags.
- The bags will be externally labelled using permanent marker, and an 'independent' label on robust material will be placed inside each bag.
- The collection will be placed in a suitable impervious and permanent container and labelled appropriately.
- A full record of the final location of the collection will include:
  - Grid co-ordinates derived as set out in Requirement 8, of Code of Practice for Archaeological Investigation of Aboriginal Objects (2010), NSW
  - A site plan or mud map referring to permanent features
  - Depth of burial, if buried
  - Full photographic record of the disposition.



- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

### Photographic Recording

Diagnostic artefacts and archaeological material will be photographed using graded metric scales. Photographic recording of the excavation fieldwork and soils profiles will also be undertaken.

### Storage of Archaeological Material

Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

### Process for Gathering Information about Cultural Significance

In order to gather information about cultural significance, Aboriginal stakeholders will be provided with a number of opportunities to have input into the heritage assessment and management process. These opportunities are summarised on the following page and will be briefly outlined here.

This letter has outlined the nature of the project including mapping, heritage assessment methodology and protocols for handling culturally sensitive information. A feedback form is attached to this letter which can be used to provide input into the assessment methodology.

A pre-fieldwork meeting (usually on the morning of the first day of survey) will provide an opportunity to meet the RPS survey team and opportunity to review the maps of the Project Area, the previously recorded Aboriginal sites from AHIMS, as well as discuss field survey methods and any cultural information relevant to the project. The pre-fieldwork meeting will involve two steps: the first will be a group discussion; the second will allow the opportunity for individual discussions with each stakeholder group. This second step is to identify if there is any confidential cultural information which should not be made public. The steps/levels of consultation will be made available throughout the process. Minutes of the meetings will be kept and agreed upon by all parties.

A toolbox talk will be conducted each morning before field work commences and the opportunity will be given to raise any issues or comment on the fieldwork progress.

A post field work meeting will be conducted on the last day of field work. This meeting will outline the areas which have been surveyed, a summary of Aboriginal sites observed (if applicable) and the discussion of cultural significance. In particular there will be an opportunity to discuss the criteria for the assessment of significance outlined in the OEH guidelines (2011:7-11):

- Social;
- Historic; and,
- Aesthetic

Another opportunity for the assessment of significance will be provided during the review of the draft report.

The draft report will be sent to Aboriginal stakeholders and the opportunity to assess the significance of Aboriginal sites identified in the Project Area will be provided. An opportunity for feedback on any aspects of the assessment will also be provided at this stage. Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.

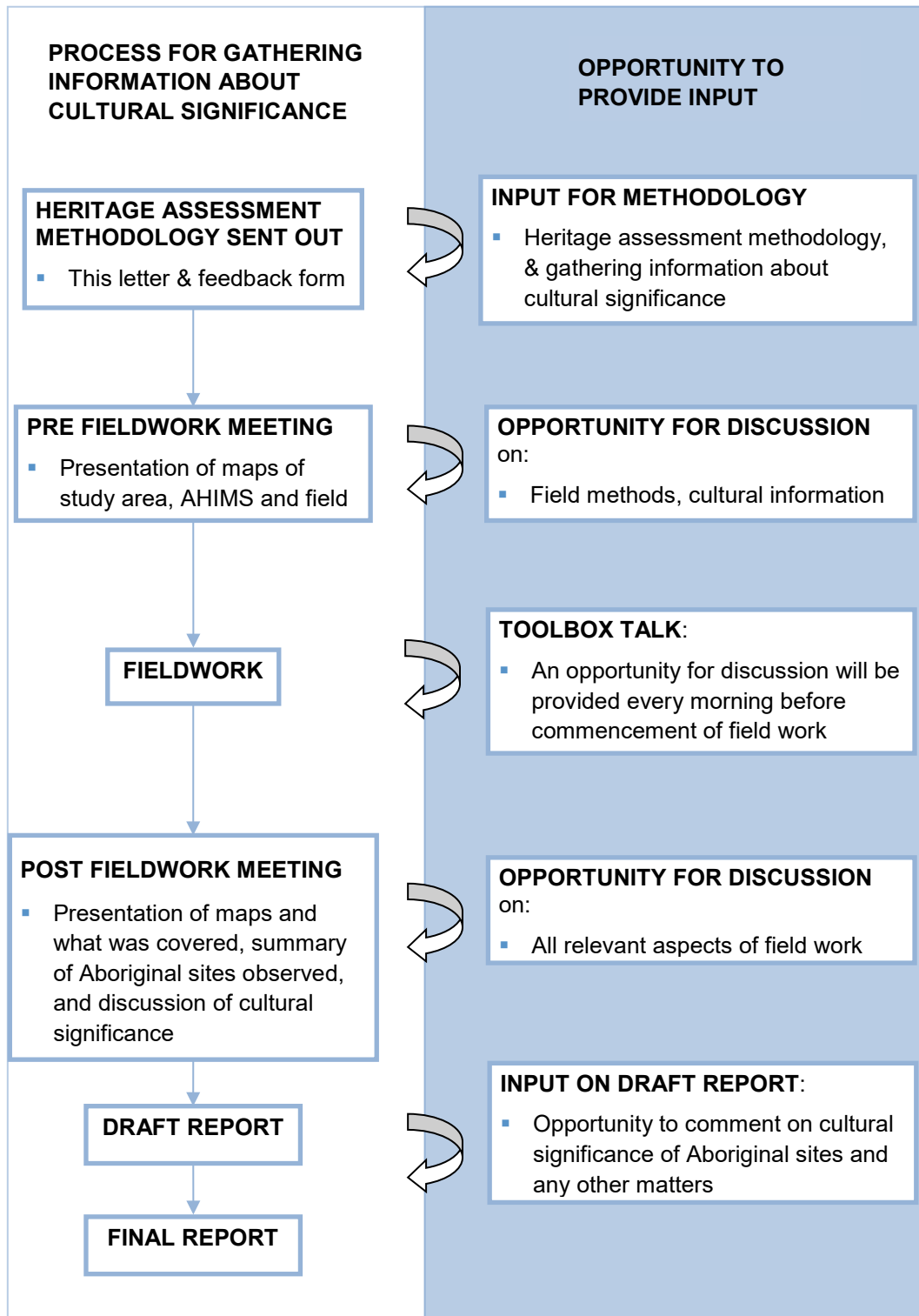






Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 2), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

**Figure 2 Summary of Process for Gathering information about Cultural Significance and Opportunities for Registered Parties' Input**







## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Aboriginal Cultural Heritage Assessment Report, I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:


Name.....

Registered Organisation.....

Signature.....

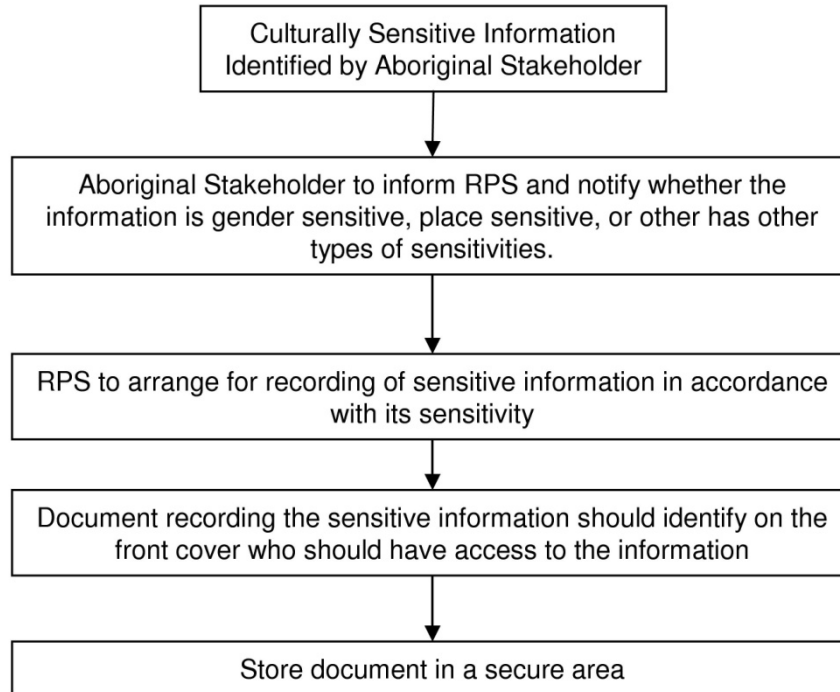
Date.....

Please send this document signed within 28 days back to **CLH personnel** via:

- **Fax:** 02 4961 6794
- **Post:** PO Box 428, Hamilton NSW 2303
- **Email:** [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Paul Boyd  
Didge Ngunawal Clan  
7 Sisking Street  
Quakers Hill 2763

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Paul Boyd

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

PO Box 428

Hamilton NSW 2292

Phone: 02 4940 4200

Fax: 02 4961 6794

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Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



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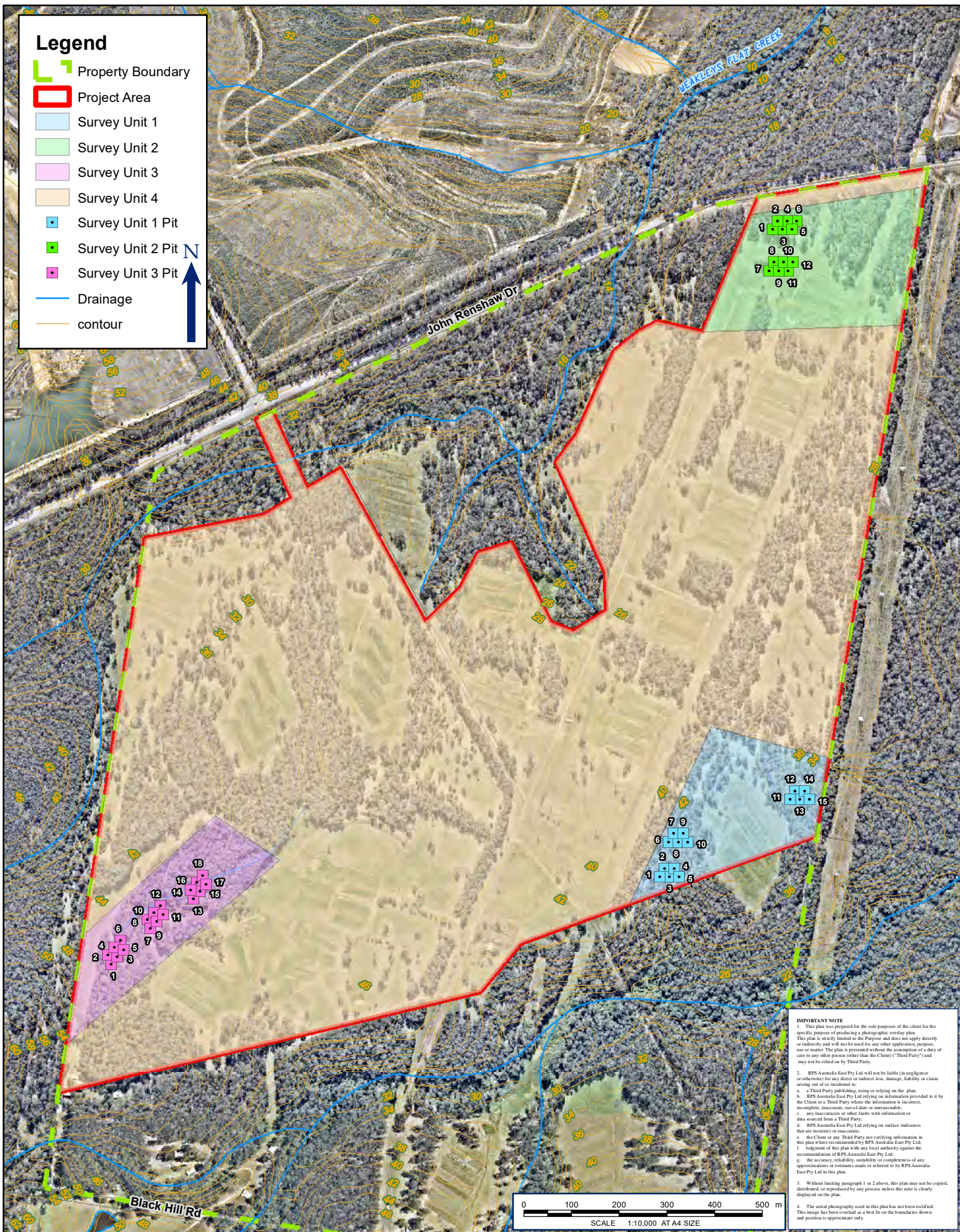
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**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

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JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
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CLIENT: BROADEN MANAGEMENT PTY LTD

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241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



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### Field Methods

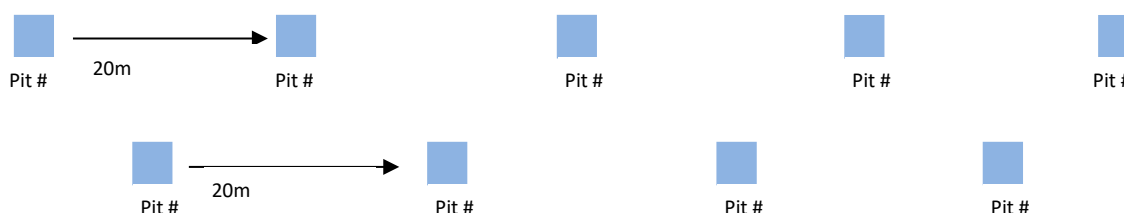
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### Process for Gathering Information about Cultural Significance

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- Historic; and,
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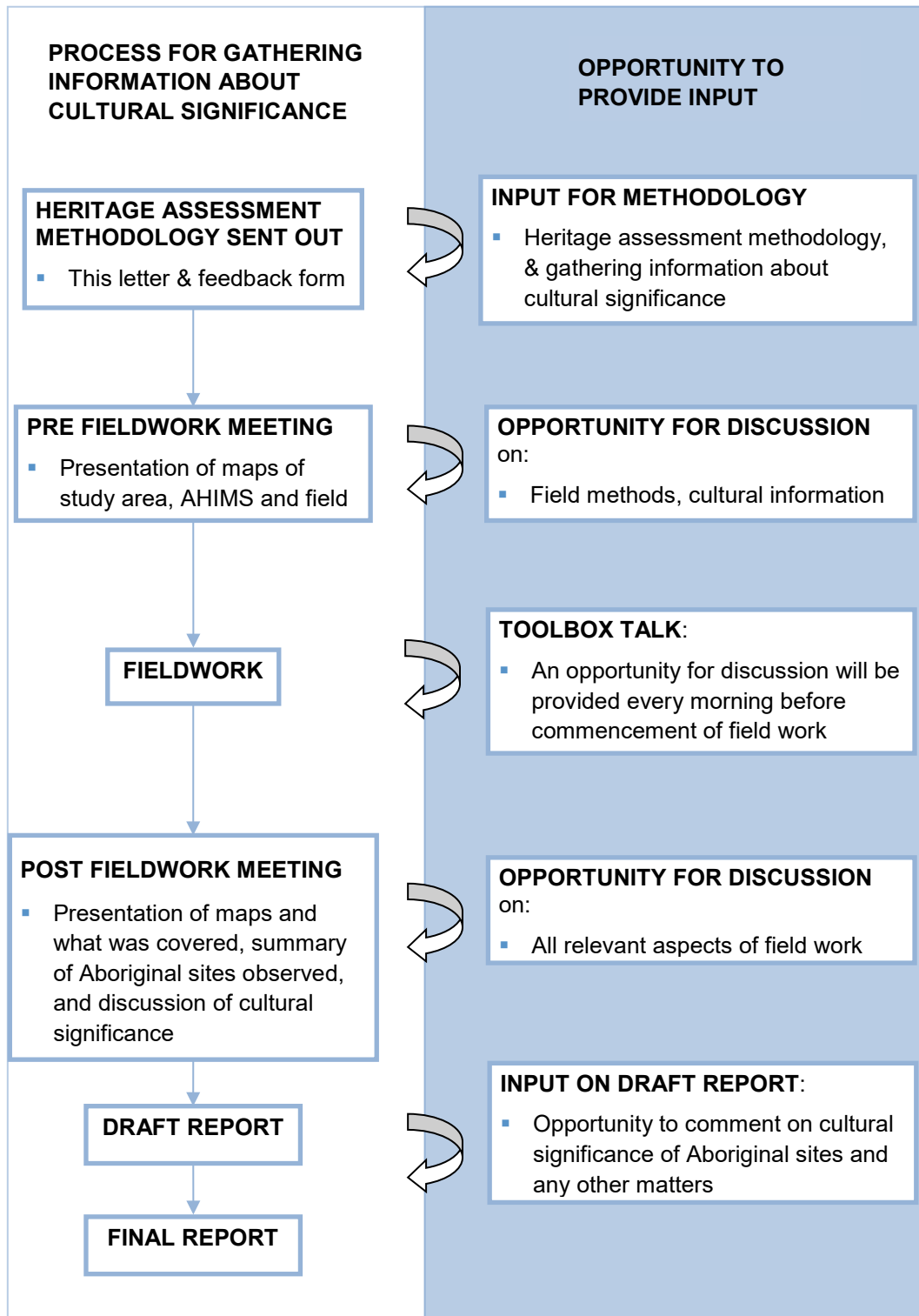






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**Figure 2 Summary of Process for Gathering information about Cultural Significance and Opportunities for Registered Parties' Input**







## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

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Registered Organisation.....

Signature.....

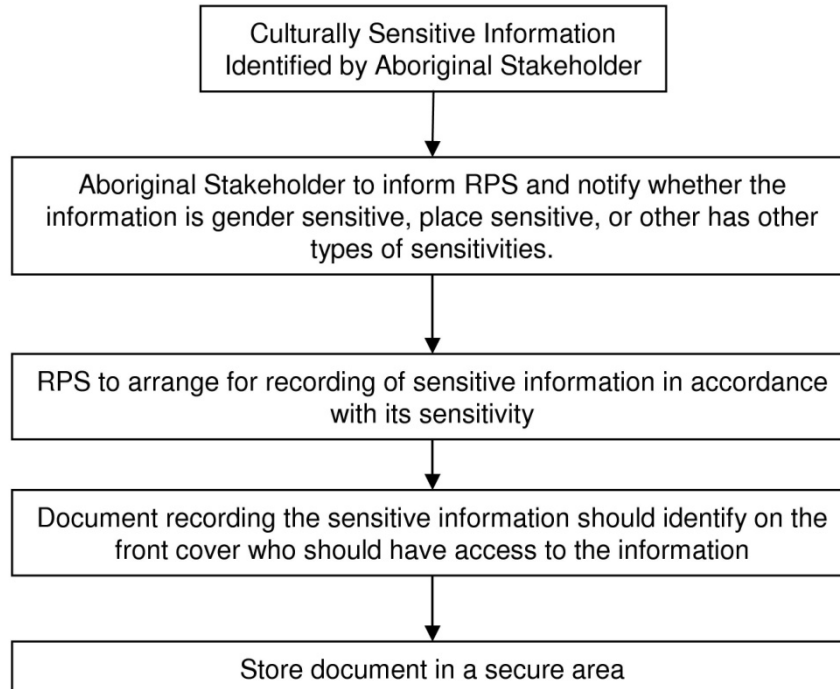
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Please send this document signed within 28 days back to **CLH personnel** via:

- **Fax:** 02 4961 6794
- **Post:** PO Box 428, Hamilton NSW 2303
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**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Des Hickey  
Wattaka Wonnarua Cultural Consultancy Servicers  
4 Kennedy Street  
Singleton 2330

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Des Hickey

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

Thank you for your registration of interest in this project. Attached is the information about the proposed project and Aboriginal Heritage Assessment Report (ACHAR), including the methodology for test excavation and collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the *Aboriginal Cultural Heritage Consultation Requirements* (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

If you could provide your feedback to RPS by 5pm on 7 August 2018, either by email or return mail that would be greatly appreciated. Please address methodology feedback to CLH personnel.

[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

PO Box 428

Hamilton NSW 2292

Phone: 02 4940 4200

Fax: 02 4961 6794

We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



## Aboriginal Cultural Heritage Assessment Report for Black Hill, NSW: Project Information and Protocols for Sensitive Cultural Information

The following information has been provided in accordance with the ACHCR process. Information has been provided on the proposed project (as required by Stage 2 ACHCRs) as well as on gathering information regarding cultural significance assessment (Stage 3) as required by the ACHCRs. The project will be assessed under Part 4 of the *Environmental Planning and Assessment Act 1979*.

### Project Information

RPS Australia East Pty Ltd has been engaged by Broaden Management Ltd c/- Barr Property and Planning to prepare an Aboriginal Cultural Heritage Assessment Report (ACHCR) and preparation of an Aboriginal Heritage Impact Permit (AHIP) for at Lot 1131, Deposited Plan (DP) 1057179 at Black Hill in the Cessnock Local Government Area (LGA) (Figure 1), ahead of their proposed development. As a part of the ACHAR, potential impacts on Aboriginal cultural heritage will be assessed, and appropriate recommendations made.

In 2013 RPS conducted a due diligence assessment over the project area and identified two registered AHIMS sites and three areas of archaeological sensitivity.

As part of the ACHCR process Aboriginal stakeholders are asked to provide feedback to information sent regarding the project, as well as provide cultural heritage information as appropriate in accordance with the role specified in the ACHCR 2010, pages 15-16. RPS, on behalf of Broaden Management Ltd c/- Barr Property and Planning, in accordance with their role under the ACHCRs is consulting with the Aboriginal stakeholders, supplying suitable project information and providing the opportunity for Aboriginal stakeholder to provide input into the heritage management process as specified in the ACHCRs 2010, pages 16-17.

### Aboriginal Cultural Heritage Assessment Methodology

The methodology for the ACHAR comprises:

- A review of environmental background and heritage context;
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- Formulation of a predictive model;
- Test excavation within identified areas of archaeological sensitivity;
- Assessment of significance; and,
- Formulation of recommendations for heritage management.

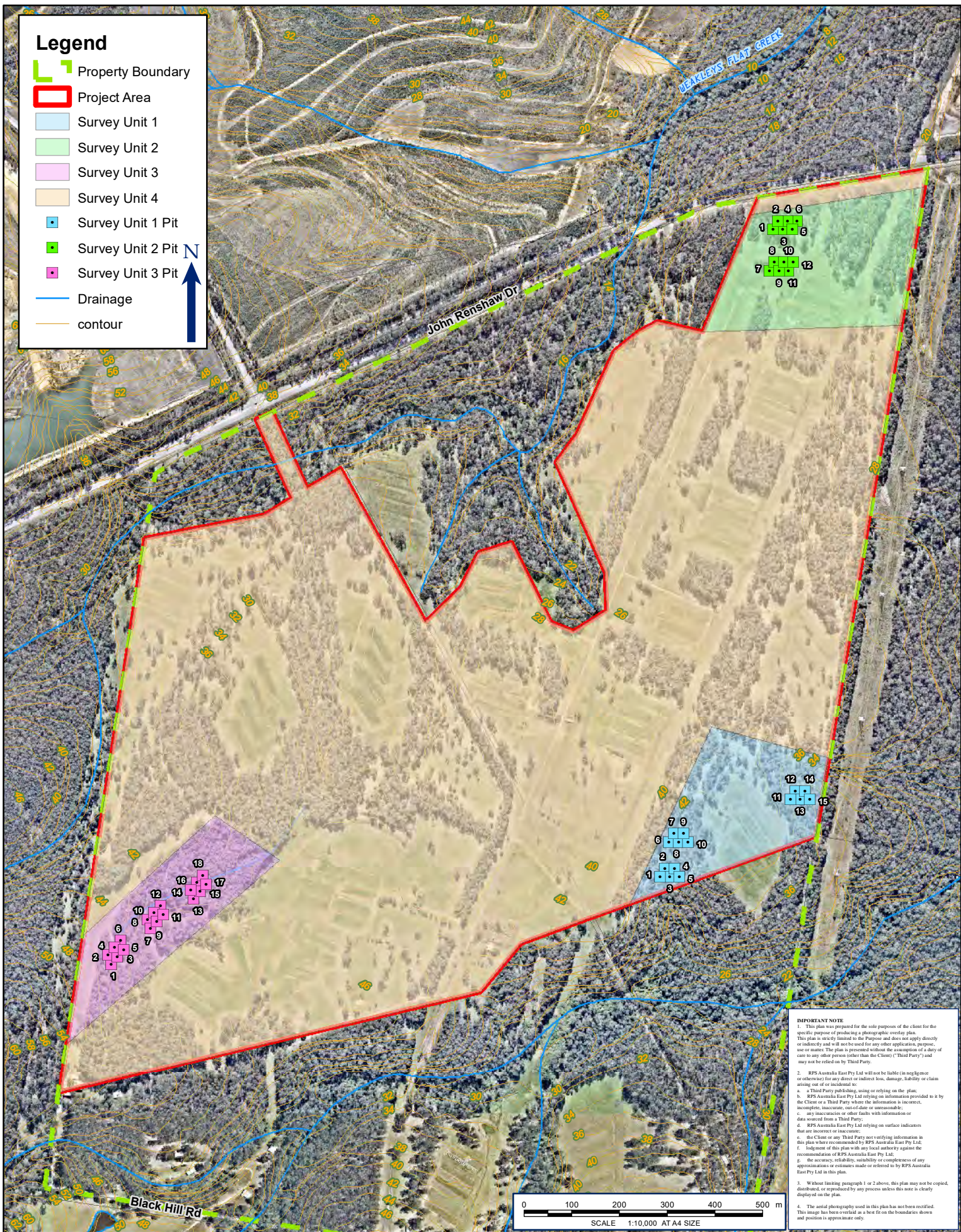
The above components of the Aboriginal heritage assessment methodology will be completed in consultation with Aboriginal stakeholders.

RPS invites Aboriginal stakeholders to provide culturally appropriate information verbally or in writing with regards to this project (a feedback form is attached and may be used as necessary). This includes any places of cultural value which may or may not contain archaeological material.

Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 3), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

As part of this methodology Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.





**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM:	GDA94
JOB NO.:	PR 139511	PROJECTION:	MGA Zone 56
PURPOSE:	HERITAGE	Data Sources:	RPS, Client
Technician:	james.hugo	Land and Property	2015
		Date:	21/2/2018

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

## Test Excavation

Three areas of archaeological sensitivity were identified during the RPS visual inspection conducted in 2013. All three sites will be subject to an archaeological test excavation and are shown in Figure 1.

Test excavation under the *Code of Practice for Archaeological investigation of Aboriginal Objects in New South Wales* (Code of Practice) aims to collect information about the nature and extent of sub-surface Aboriginal objects based on a sample derived from sub-surface investigations. Test excavations contribute to the understanding of site characteristics and local and regional prehistory and they can be used to inform conservation goals and harm mitigation measures for the proposed activity (DECCW 2010:24). The test excavation results are also used for specifying how much subsurface salvage is required as part of the AHIP.

### Field Methods

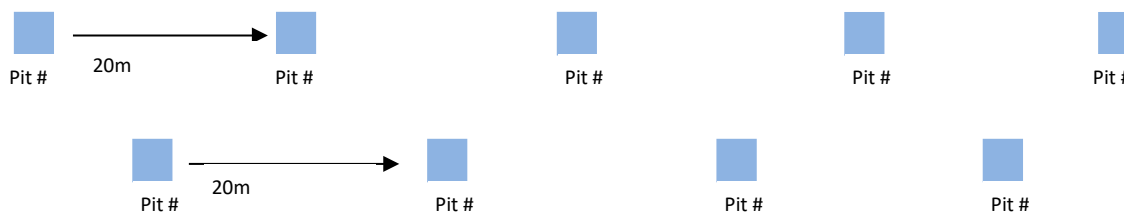
The following field test excavation methods have been prepared in accordance with Requirement 16 of the Code of Practice.

Pits will be hand excavated and will be 0.5m x 0.5m in dimension. The first pit will be excavated in 5cm spits, based on evidence of this excavation unit, 10cm spits may be implemented. If distinct features are identified, then pits may be excavated stratigraphically. All material excavated will be sieved using a 5mm aperture sieve. The excavation of individual pits will cease once clay has been reached or after two consecutive sterile spits have been excavated. For safety reasons pits will not be excavated beyond a metre depth.

Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

- Locally or regionally high object density;
- Presence of rare or representative objects;
- Presence of archaeological features or locally or regionally significant deposits, stratified or not.

In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

- Hand excavation using shovels, trowels and other manual tools.
- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
- Test excavation pits will each be back-filled as soon as practicable following completion of excavation

#### Cessation of Test Excavation

- As per requirement 17 under the Code of Practice test excavations will cease when: suspected human remains are encountered; or
- Enough information has been recovered to adequately characterise the objects present with regard to their nature and significance and/or the threshold of 0.5% of the site has been investigated (requirement 16a).

## Recording and Storage of the Archaeological Material

### Aboriginal Objects Recovered During Test Excavations

Any Aboriginal objects that are moved during test excavation will be reburied as soon as practicable or stored in a secure temporary storage location in accordance with Requirement 26 of the Code of Practice pending any agreement reached as to the long-term management of the salvaged Aboriginal objects.

Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

- The catalogue will be in printed form but may also include an electronic database in the form of a table containing all records.
- All stone artefacts will be individually bagged or bagged in appropriate and identifiable units (e.g. excavation or collection units) that can be referenced back to the catalogue.
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- The bags will be externally labelled using permanent marker, and an 'independent' label on robust material will be placed inside each bag.
- The collection will be placed in a suitable impervious and permanent container and labelled appropriately.
- A full record of the final location of the collection will include:
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  - A site plan or mud map referring to permanent features
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- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

#### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

#### Photographic Recording

Diagnostic artefacts and archaeological material will be photographed using graded metric scales. Photographic recording of the excavation fieldwork and soils profiles will also be undertaken.

#### Storage of Archaeological Material

Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

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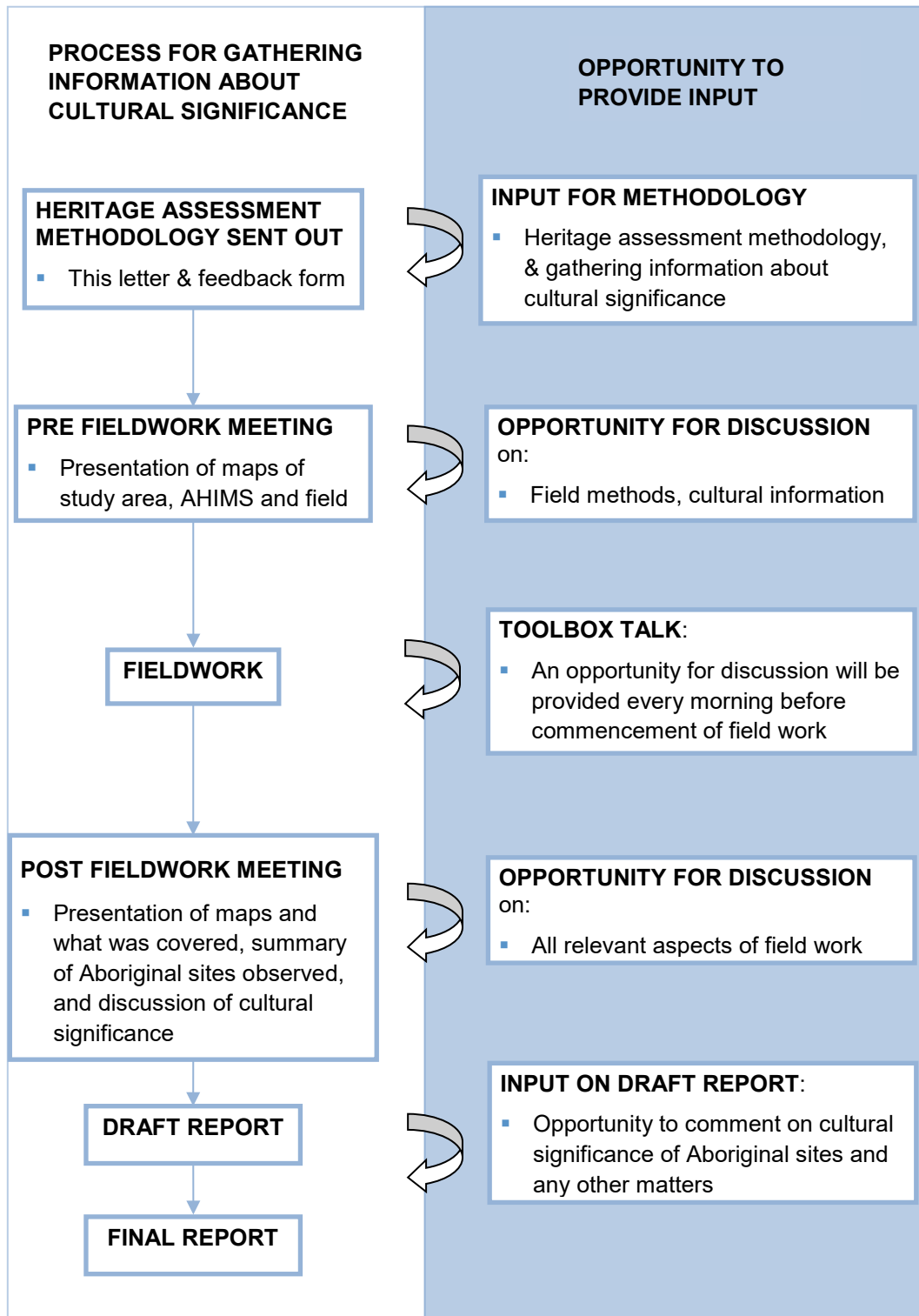






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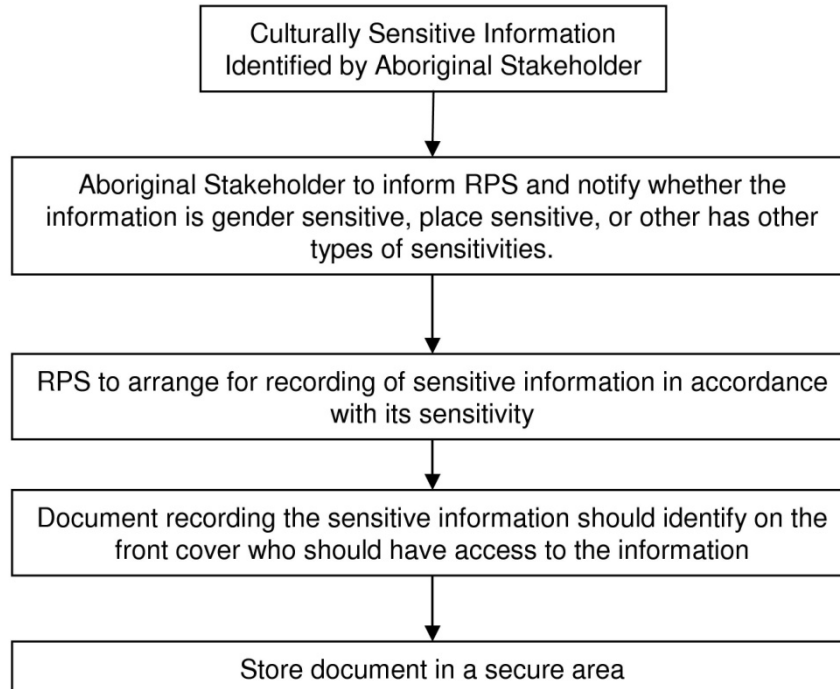
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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Irene Ardler  
Valley ELM Corp  
4 Kennedy Street  
Singleton 2330

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Irene Ardler

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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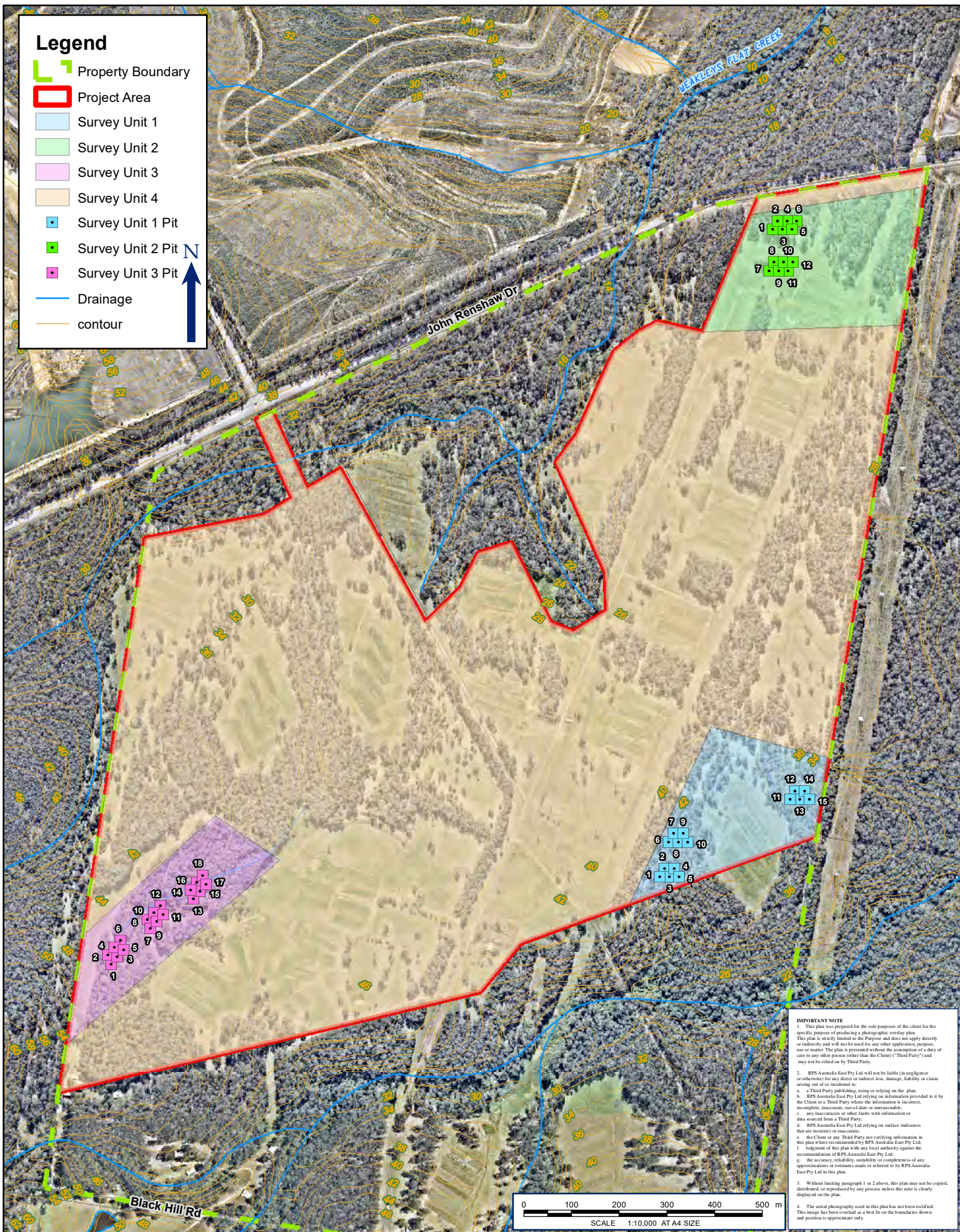
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**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

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JOB NO.: <b>PR 139511</b>	Data Sources: RPS, Client Land and Property 2015
PURPOSE: HERITAGE	
Technician: james.hugo	Date: 21/2/2018

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
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**RPS**



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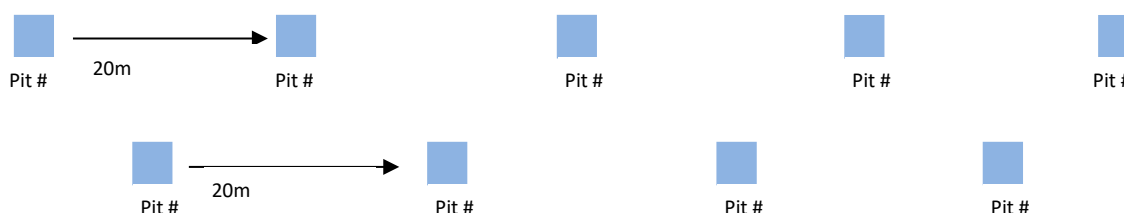
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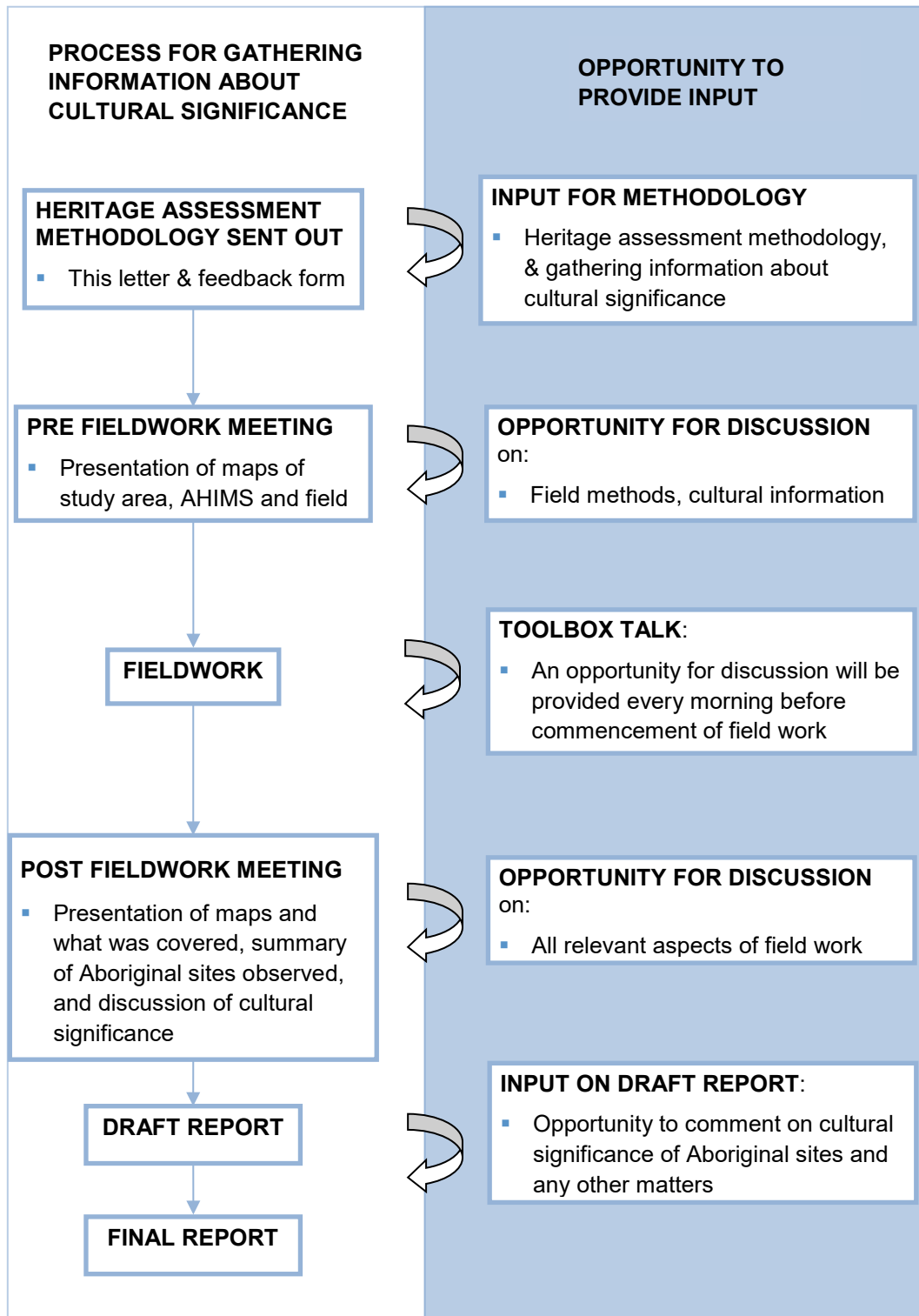






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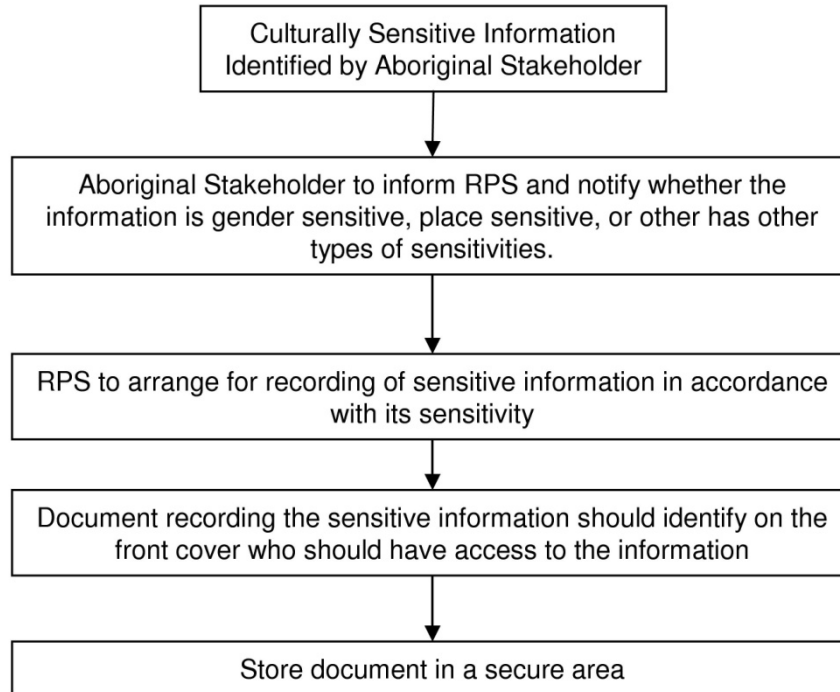
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**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: George Sampson  
Cacatua  
22 Ibis Parade  
Woodberry 2322

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear George Sampson

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

Thank you for your registration of interest in this project. Attached is the information about the proposed project and Aboriginal Heritage Assessment Report (ACHAR), including the methodology for test excavation and collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the *Aboriginal Cultural Heritage Consultation Requirements* (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

If you could provide your feedback to RPS by 5pm on 7 August 2018, either by email or return mail that would be greatly appreciated. Please address methodology feedback to CLH personnel.

[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

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Phone: 02 4940 4200

Fax: 02 4961 6794

We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



## Aboriginal Cultural Heritage Assessment Report for Black Hill, NSW: Project Information and Protocols for Sensitive Cultural Information

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As part of the ACHCR process Aboriginal stakeholders are asked to provide feedback to information sent regarding the project, as well as provide cultural heritage information as appropriate in accordance with the role specified in the ACHCR 2010, pages 15-16. RPS, on behalf of Broaden Management Ltd c/- Barr Property and Planning, in accordance with their role under the ACHCRs is consulting with the Aboriginal stakeholders, supplying suitable project information and providing the opportunity for Aboriginal stakeholder to provide input into the heritage management process as specified in the ACHCRs 2010, pages 16-17.

### Aboriginal Cultural Heritage Assessment Methodology

The methodology for the ACHAR comprises:

- A review of environmental background and heritage context;
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- Formulation of a predictive model;
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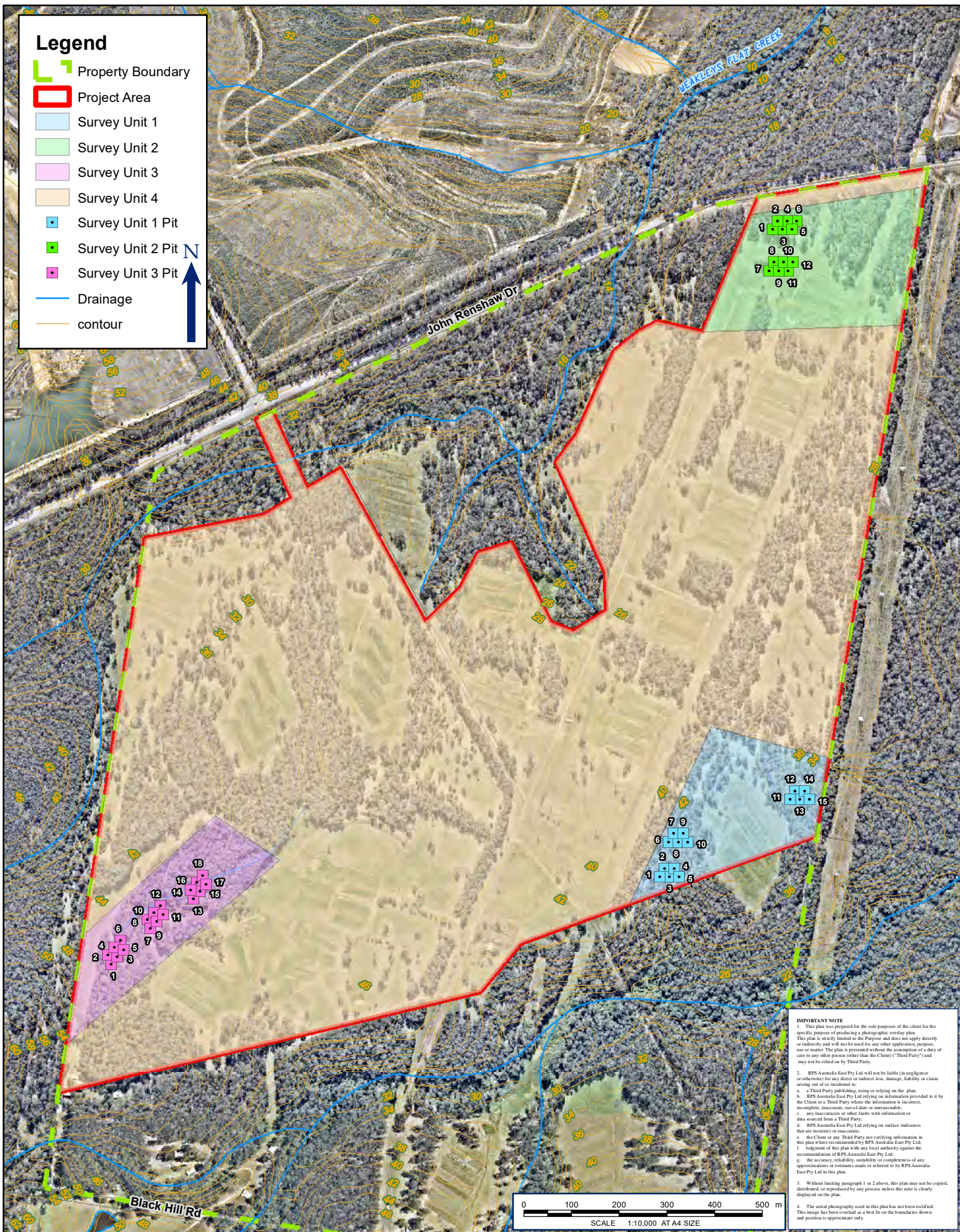
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Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 3), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

As part of this methodology Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.





**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

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**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

## Test Excavation

Three areas of archaeological sensitivity were identified during the RPS visual inspection conducted in 2013. All three sites will be subject to an archaeological test excavation and are shown in Figure 1.

Test excavation under the *Code of Practice for Archaeological investigation of Aboriginal Objects in New South Wales* (Code of Practice) aims to collect information about the nature and extent of sub-surface Aboriginal objects based on a sample derived from sub-surface investigations. Test excavations contribute to the understanding of site characteristics and local and regional prehistory and they can be used to inform conservation goals and harm mitigation measures for the proposed activity (DECCW 2010:24). The test excavation results are also used for specifying how much subsurface salvage is required as part of the AHIP.

### Field Methods

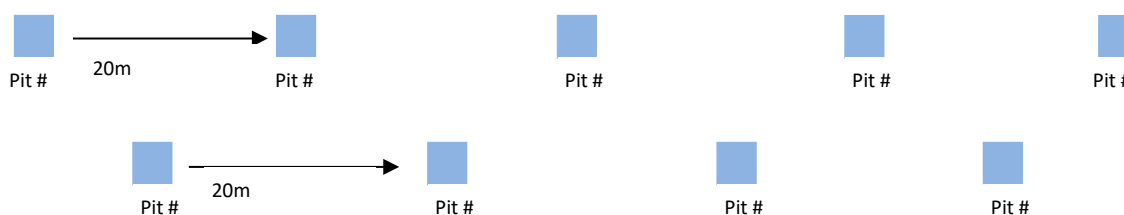
The following field test excavation methods have been prepared in accordance with Requirement 16 of the Code of Practice.

Pits will be hand excavated and will be 0.5m x 0.5m in dimension. The first pit will be excavated in 5cm spits, based on evidence of this excavation unit, 10cm spits may be implemented. If distinct features are identified, then pits may be excavated stratigraphically. All material excavated will be sieved using a 5mm aperture sieve. The excavation of individual pits will cease once clay has been reached or after two consecutive sterile spits have been excavated. For safety reasons pits will not be excavated beyond a metre depth.

Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

- Locally or regionally high object density;
- Presence of rare or representative objects;
- Presence of archaeological features or locally or regionally significant deposits, stratified or not.

In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

- Hand excavation using shovels, trowels and other manual tools.
- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
- Test excavation pits will each be back-filled as soon as practicable following completion of excavation

#### Cessation of Test Excavation

- As per requirement 17 under the Code of Practice test excavations will cease when: suspected human remains are encountered; or
- Enough information has been recovered to adequately characterise the objects present with regard to their nature and significance and/or the threshold of 0.5% of the site has been investigated (requirement 16a).

## Recording and Storage of the Archaeological Material

### Aboriginal Objects Recovered During Test Excavations

Any Aboriginal objects that are moved during test excavation will be reburied as soon as practicable or stored in a secure temporary storage location in accordance with Requirement 26 of the Code of Practice pending any agreement reached as to the long-term management of the salvaged Aboriginal objects.

Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

- The catalogue will be in printed form but may also include an electronic database in the form of a table containing all records.
- All stone artefacts will be individually bagged or bagged in appropriate and identifiable units (e.g. excavation or collection units) that can be referenced back to the catalogue.
- The stone artefacts will be stored in good quality, plastic zip-lock bags.
- The bags will be externally labelled using permanent marker, and an 'independent' label on robust material will be placed inside each bag.
- The collection will be placed in a suitable impervious and permanent container and labelled appropriately.
- A full record of the final location of the collection will include:
  - Grid co-ordinates derived as set out in Requirement 8, of Code of Practice for Archaeological Investigation of Aboriginal Objects (2010), NSW
  - A site plan or mud map referring to permanent features
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  - Full photographic record of the disposition.



- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

### Photographic Recording

Diagnostic artefacts and archaeological material will be photographed using graded metric scales. Photographic recording of the excavation fieldwork and soils profiles will also be undertaken.

### Storage of Archaeological Material

Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

### Process for Gathering Information about Cultural Significance

In order to gather information about cultural significance, Aboriginal stakeholders will be provided with a number of opportunities to have input into the heritage assessment and management process. These opportunities are summarised on the following page and will be briefly outlined here.

This letter has outlined the nature of the project including mapping, heritage assessment methodology and protocols for handling culturally sensitive information. A feedback form is attached to this letter which can be used to provide input into the assessment methodology.

A pre-fieldwork meeting (usually on the morning of the first day of survey) will provide an opportunity to meet the RPS survey team and opportunity to review the maps of the Project Area, the previously recorded Aboriginal sites from AHIMS, as well as discuss field survey methods and any cultural information relevant to the project. The pre-fieldwork meeting will involve two steps: the first will be a group discussion; the second will allow the opportunity for individual discussions with each stakeholder group. This second step is to identify if there is any confidential cultural information which should not be made public. The steps/levels of consultation will be made available throughout the process. Minutes of the meetings will be kept and agreed upon by all parties.

A toolbox talk will be conducted each morning before field work commences and the opportunity will be given to raise any issues or comment on the fieldwork progress.

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- Social;
- Historic; and,
- Aesthetic

Another opportunity for the assessment of significance will be provided during the review of the draft report.

The draft report will be sent to Aboriginal stakeholders and the opportunity to assess the significance of Aboriginal sites identified in the Project Area will be provided. An opportunity for feedback on any aspects of the assessment will also be provided at this stage. Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.

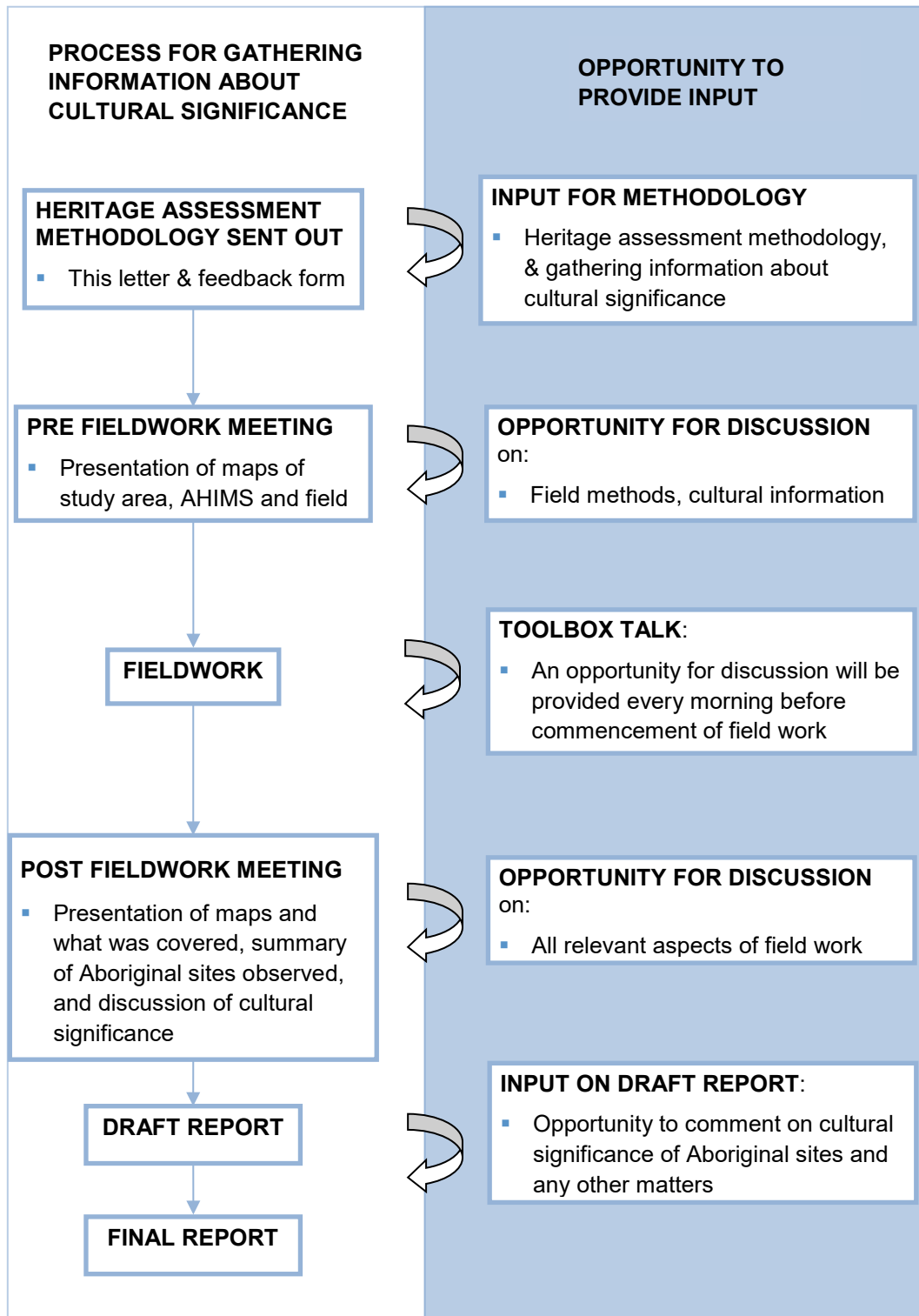






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**Figure 2 Summary of Process for Gathering information about Cultural Significance and Opportunities for Registered Parties' Input**







## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Aboriginal Cultural Heritage Assessment Report, I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:


Name.....

Registered Organisation.....

Signature.....

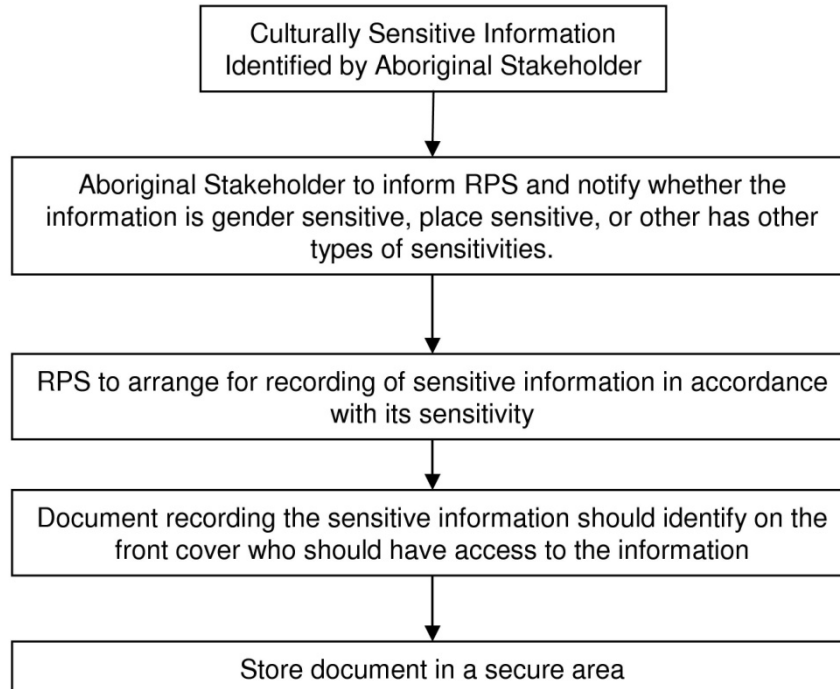
Date.....

Please send this document signed within 28 days back to **CLH personnel** via:

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**Figure 3 Culturally Sensitive Information Protocol**







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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Ashley Sampson  
AGA Services  
22 Ibis Parade  
Woodberry 2322

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Ashley Sampson

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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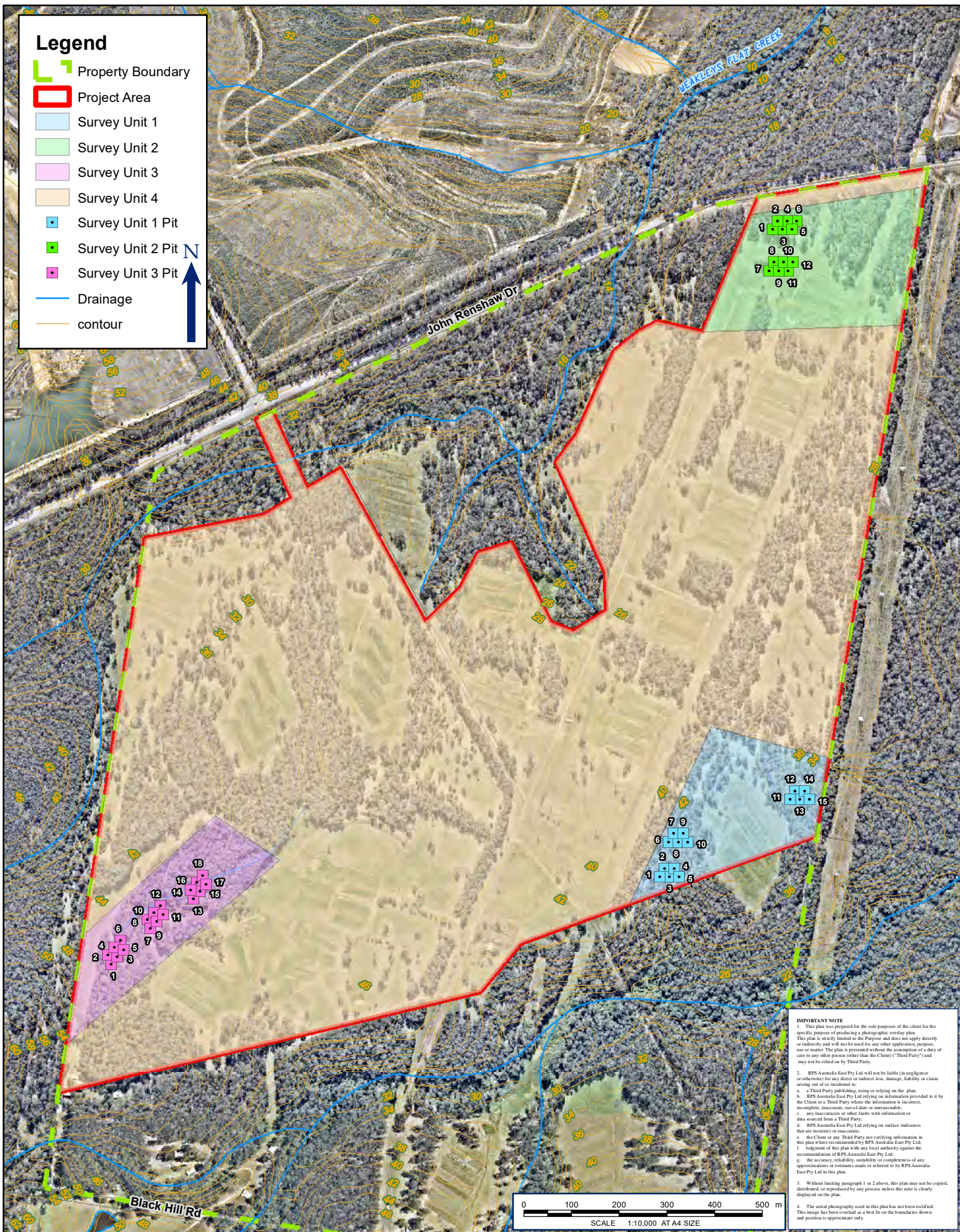
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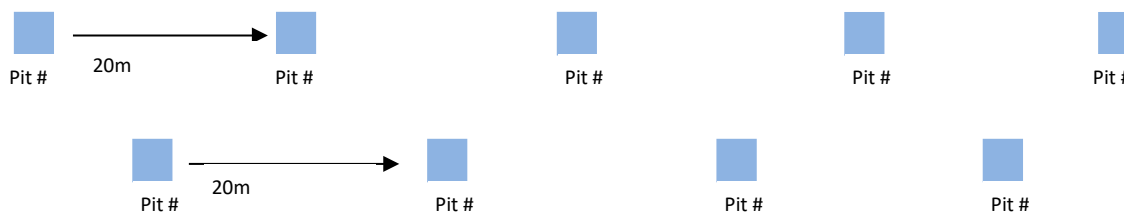
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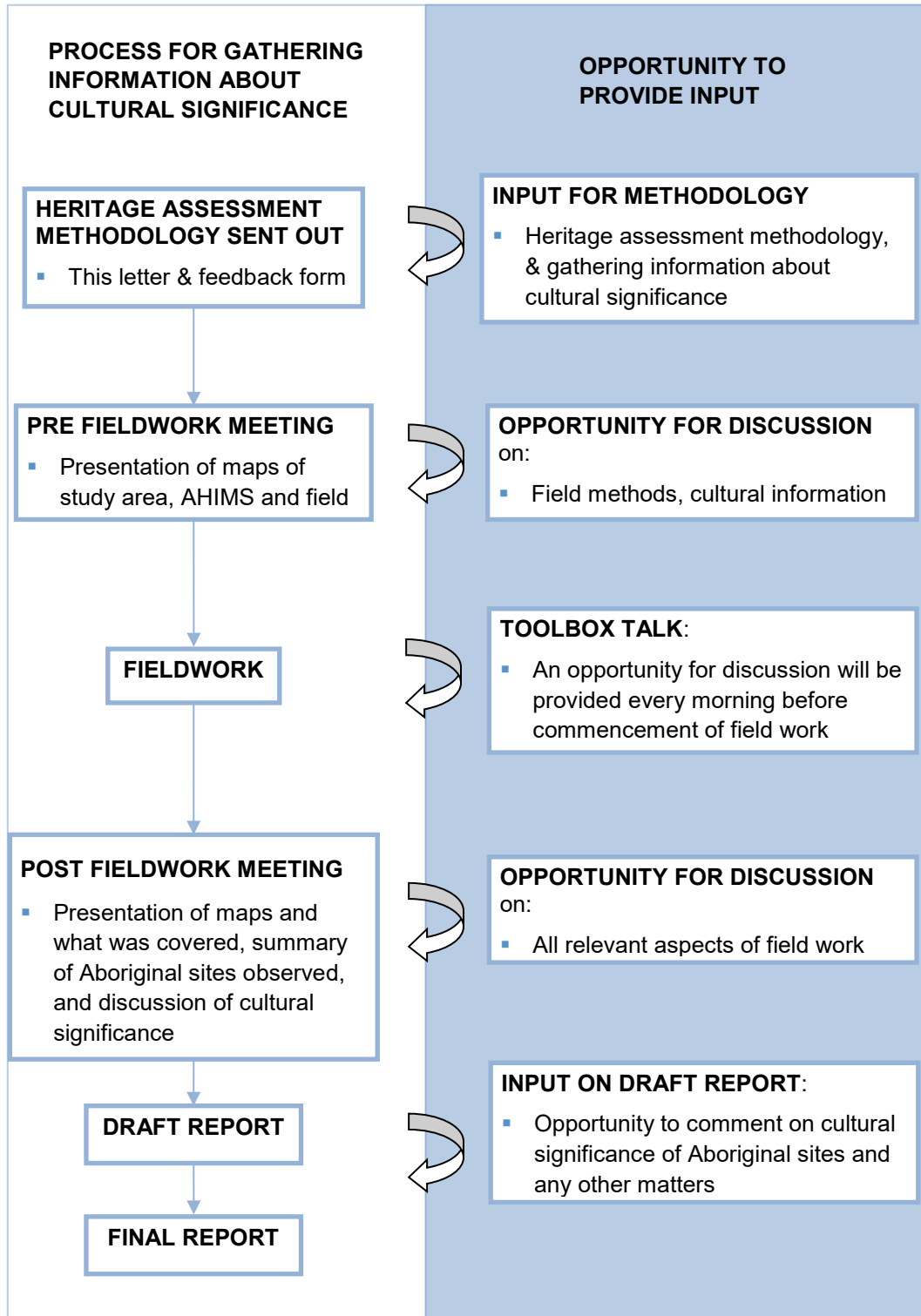






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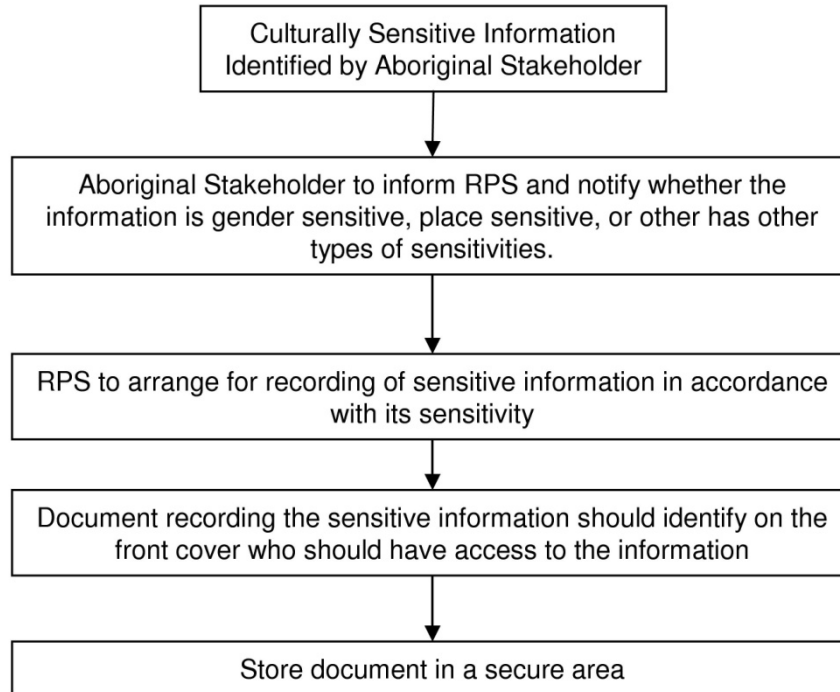
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**Figure 3 Culturally Sensitive Information Protocol**







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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Craig Horne  
Gidawaa Walang  
76 Lang Street  
Kurri Kurri 2327

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Craig Horne

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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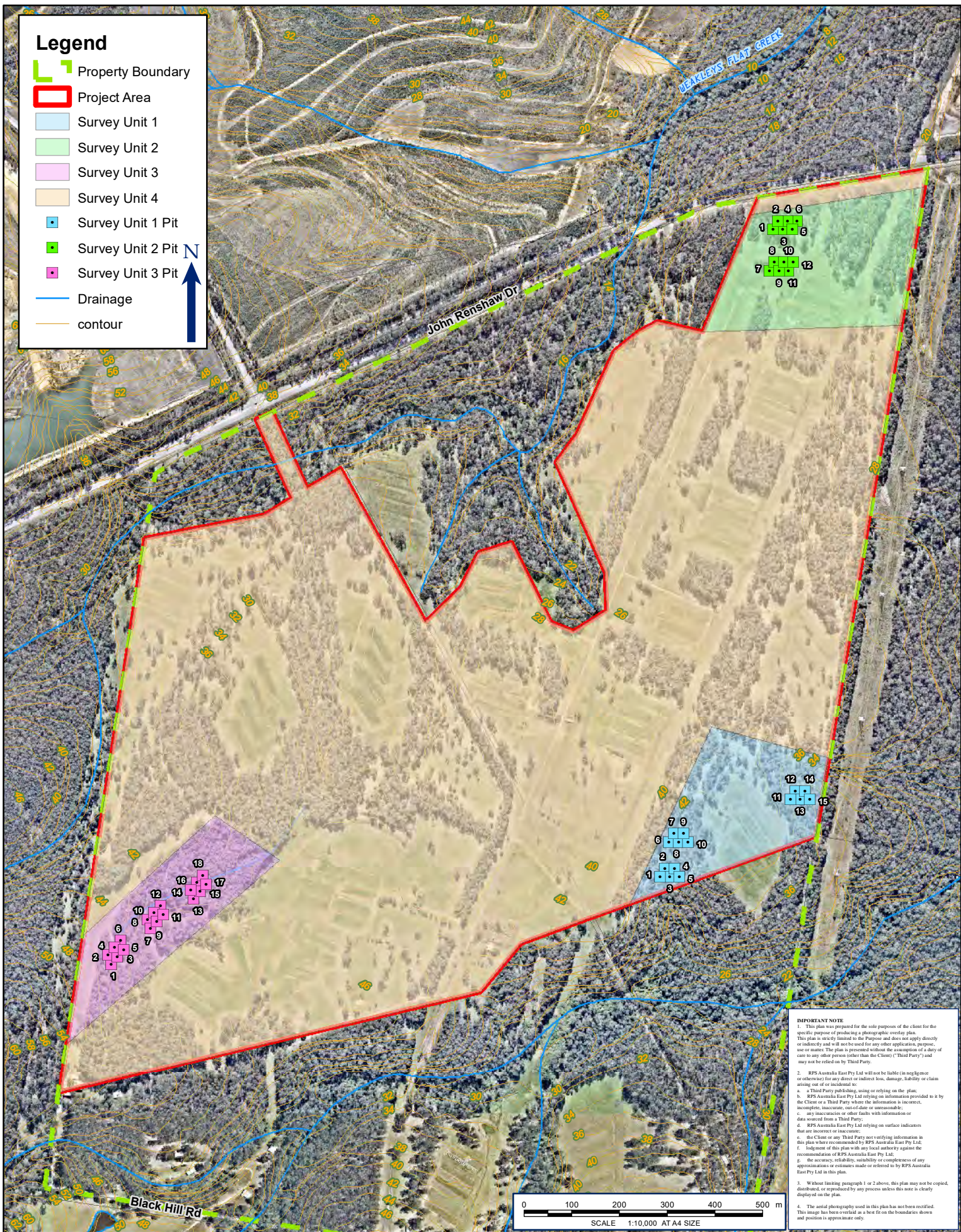
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**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

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### Field Methods

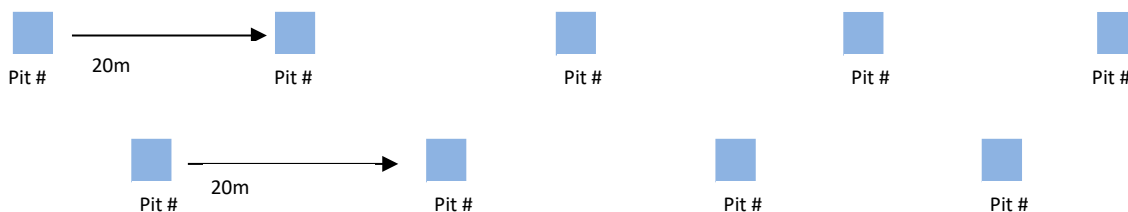
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Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

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- Presence of rare or representative objects;
- Presence of archaeological features or locally or regionally significant deposits, stratified or not.

In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

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- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
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#### Cessation of Test Excavation

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Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

- The catalogue will be in printed form but may also include an electronic database in the form of a table containing all records.
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- The collection will be placed in a suitable impervious and permanent container and labelled appropriately.
- A full record of the final location of the collection will include:
  - Grid co-ordinates derived as set out in Requirement 8, of Code of Practice for Archaeological Investigation of Aboriginal Objects (2010), NSW
  - A site plan or mud map referring to permanent features
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- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

### Photographic Recording

Diagnostic artefacts and archaeological material will be photographed using graded metric scales. Photographic recording of the excavation fieldwork and soils profiles will also be undertaken.

### Storage of Archaeological Material

Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

### Process for Gathering Information about Cultural Significance

In order to gather information about cultural significance, Aboriginal stakeholders will be provided with a number of opportunities to have input into the heritage assessment and management process. These opportunities are summarised on the following page and will be briefly outlined here.

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- Social;
- Historic; and,
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Another opportunity for the assessment of significance will be provided during the review of the draft report.

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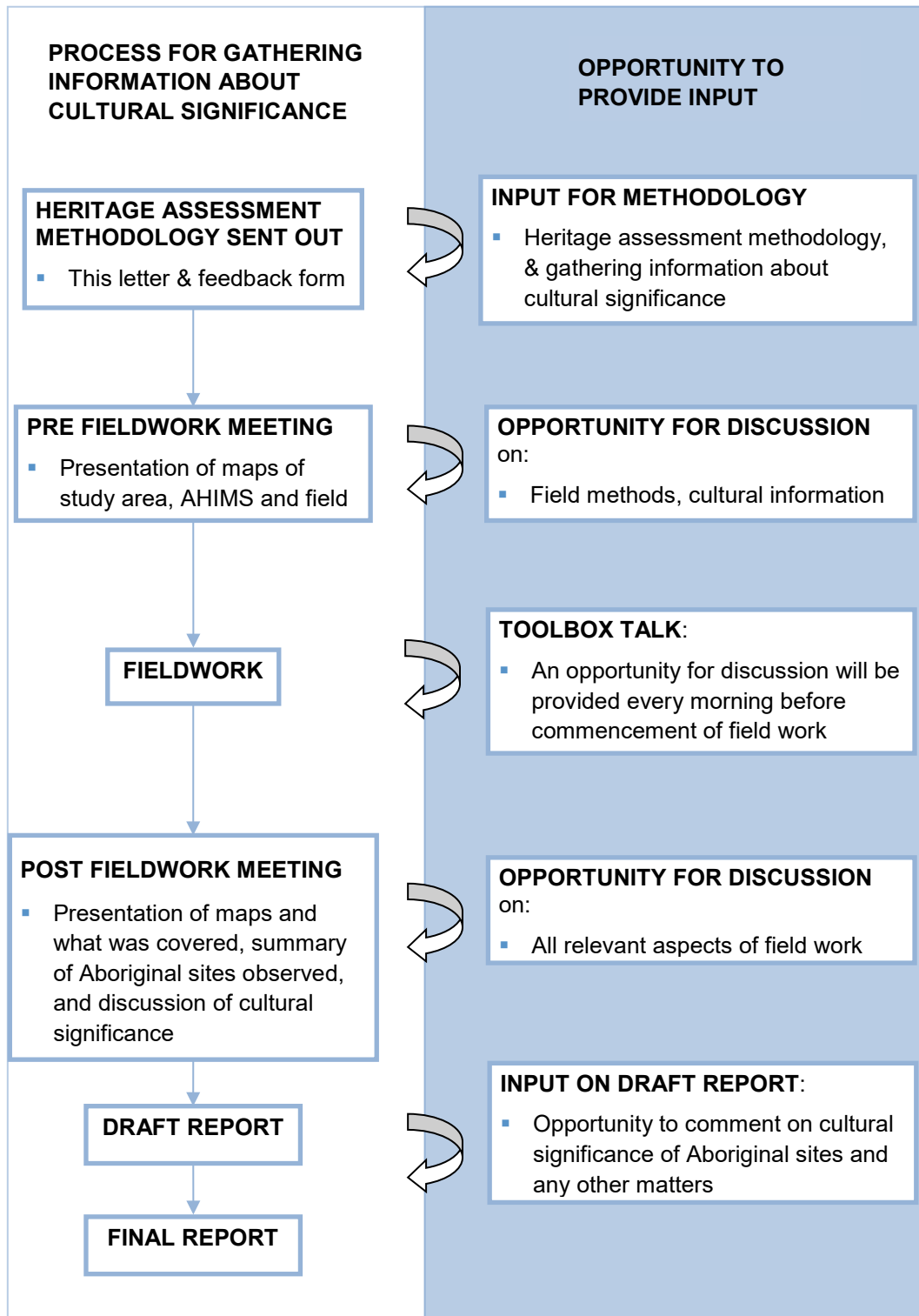






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**Figure 2 Summary of Process for Gathering information about Cultural Significance and Opportunities for Registered Parties' Input**







## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

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Registered Organisation.....

Signature.....

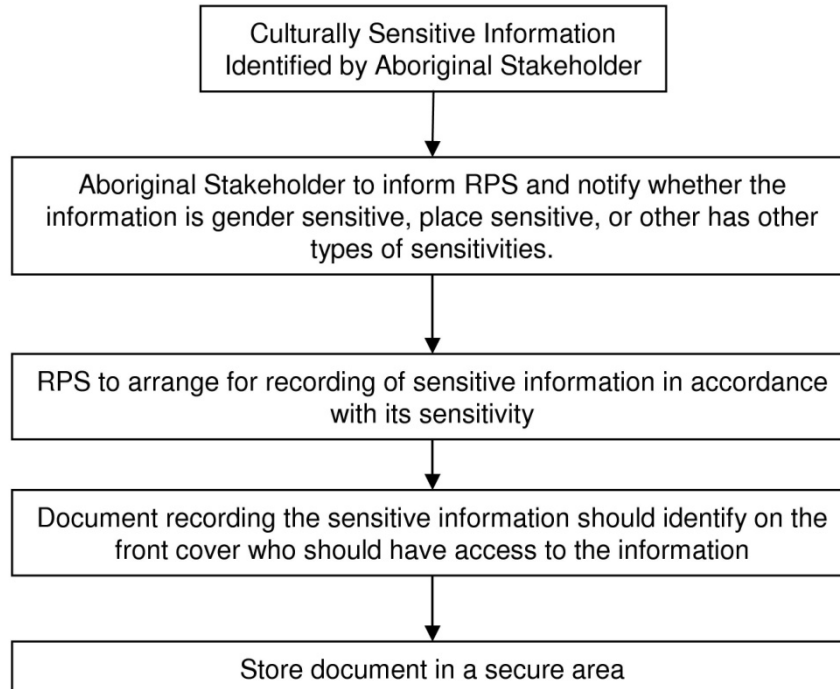
Date.....

Please send this document signed within 28 days back to **CLH personnel** via:

- **Fax:** 02 4961 6794
- **Post:** PO Box 428, Hamilton NSW 2303
- **Email:** [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
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PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Maree Waugh  
Wallangan Cultural Services  
PO Box 40  
Cessnock 2325

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Maree Waugh

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

Thank you for your registration of interest in this project. Attached is the information about the proposed project and Aboriginal Heritage Assessment Report (ACHAR), including the methodology for test excavation and collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the *Aboriginal Cultural Heritage Consultation Requirements* (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

If you could provide your feedback to RPS by 5pm on 7 August 2018, either by email or return mail that would be greatly appreciated. Please address methodology feedback to CLH personnel.

[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

PO Box 428

Hamilton NSW 2292

Phone: 02 4940 4200

Fax: 02 4961 6794

We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



## Aboriginal Cultural Heritage Assessment Report for Black Hill, NSW: Project Information and Protocols for Sensitive Cultural Information

The following information has been provided in accordance with the ACHCR process. Information has been provided on the proposed project (as required by Stage 2 ACHCRs) as well as on gathering information regarding cultural significance assessment (Stage 3) as required by the ACHCRs. The project will be assessed under Part 4 of the *Environmental Planning and Assessment Act 1979*.

### Project Information

RPS Australia East Pty Ltd has been engaged by Broaden Management Ltd c/- Barr Property and Planning to prepare an Aboriginal Cultural Heritage Assessment Report (ACHCR) and preparation of an Aboriginal Heritage Impact Permit (AHIP) for at Lot 1131, Deposited Plan (DP) 1057179 at Black Hill in the Cessnock Local Government Area (LGA) (Figure 1), ahead of their proposed development. As a part of the ACHAR, potential impacts on Aboriginal cultural heritage will be assessed, and appropriate recommendations made.

In 2013 RPS conducted a due diligence assessment over the project area and identified two registered AHIMS sites and three areas of archaeological sensitivity.

As part of the ACHCR process Aboriginal stakeholders are asked to provide feedback to information sent regarding the project, as well as provide cultural heritage information as appropriate in accordance with the role specified in the ACHCR 2010, pages 15-16. RPS, on behalf of Broaden Management Ltd c/- Barr Property and Planning, in accordance with their role under the ACHCRs is consulting with the Aboriginal stakeholders, supplying suitable project information and providing the opportunity for Aboriginal stakeholder to provide input into the heritage management process as specified in the ACHCRs 2010, pages 16-17.

### Aboriginal Cultural Heritage Assessment Methodology

The methodology for the ACHAR comprises:

- A review of environmental background and heritage context;
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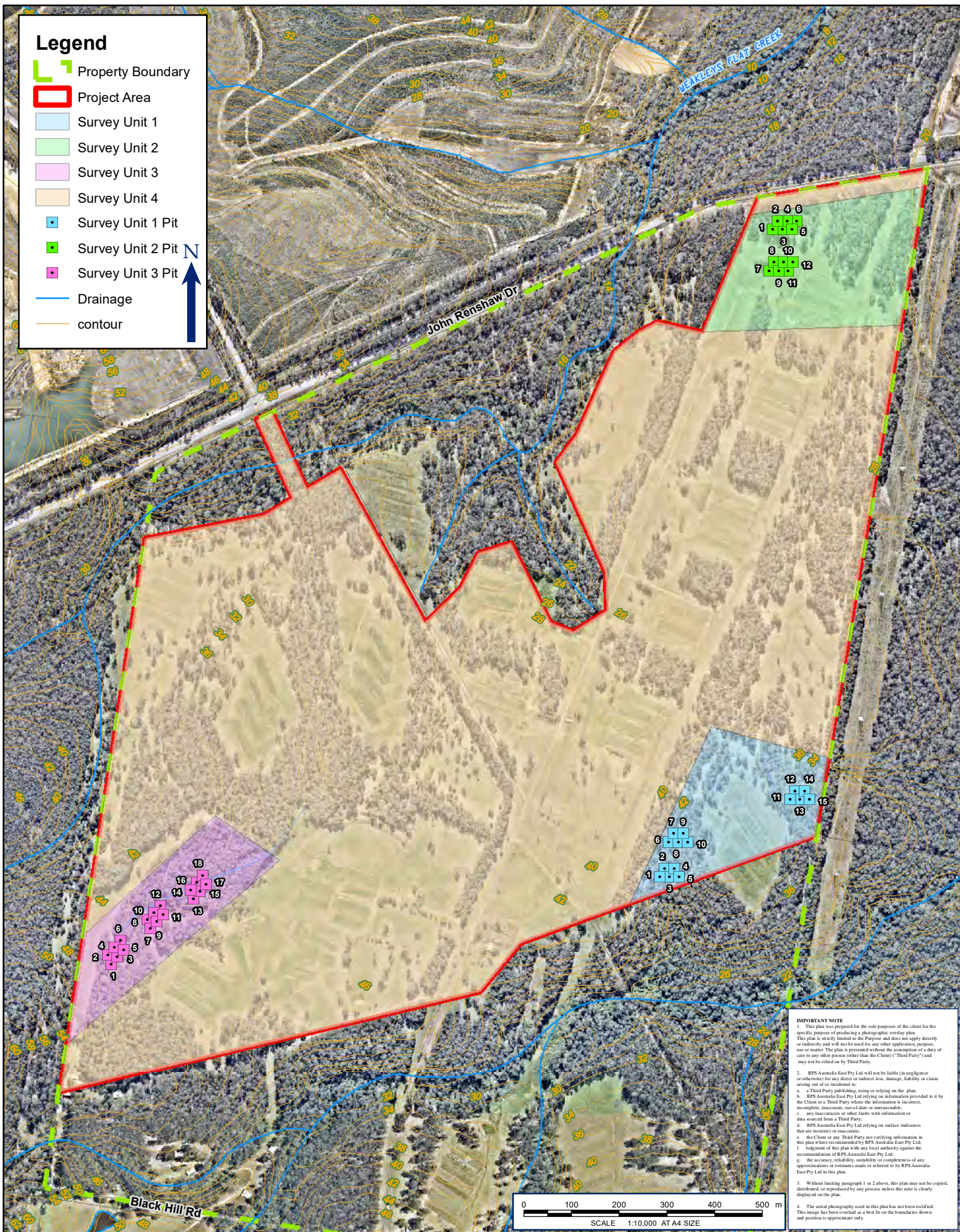
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**RPS**



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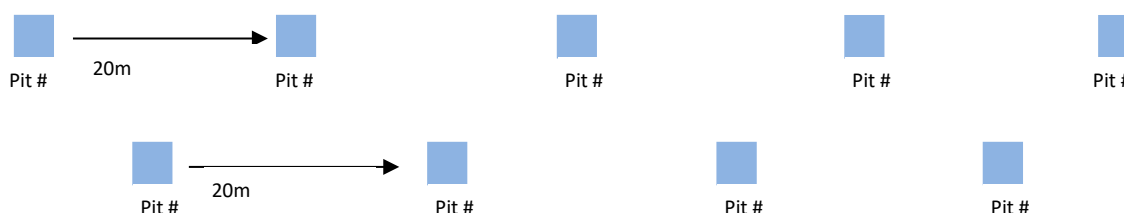
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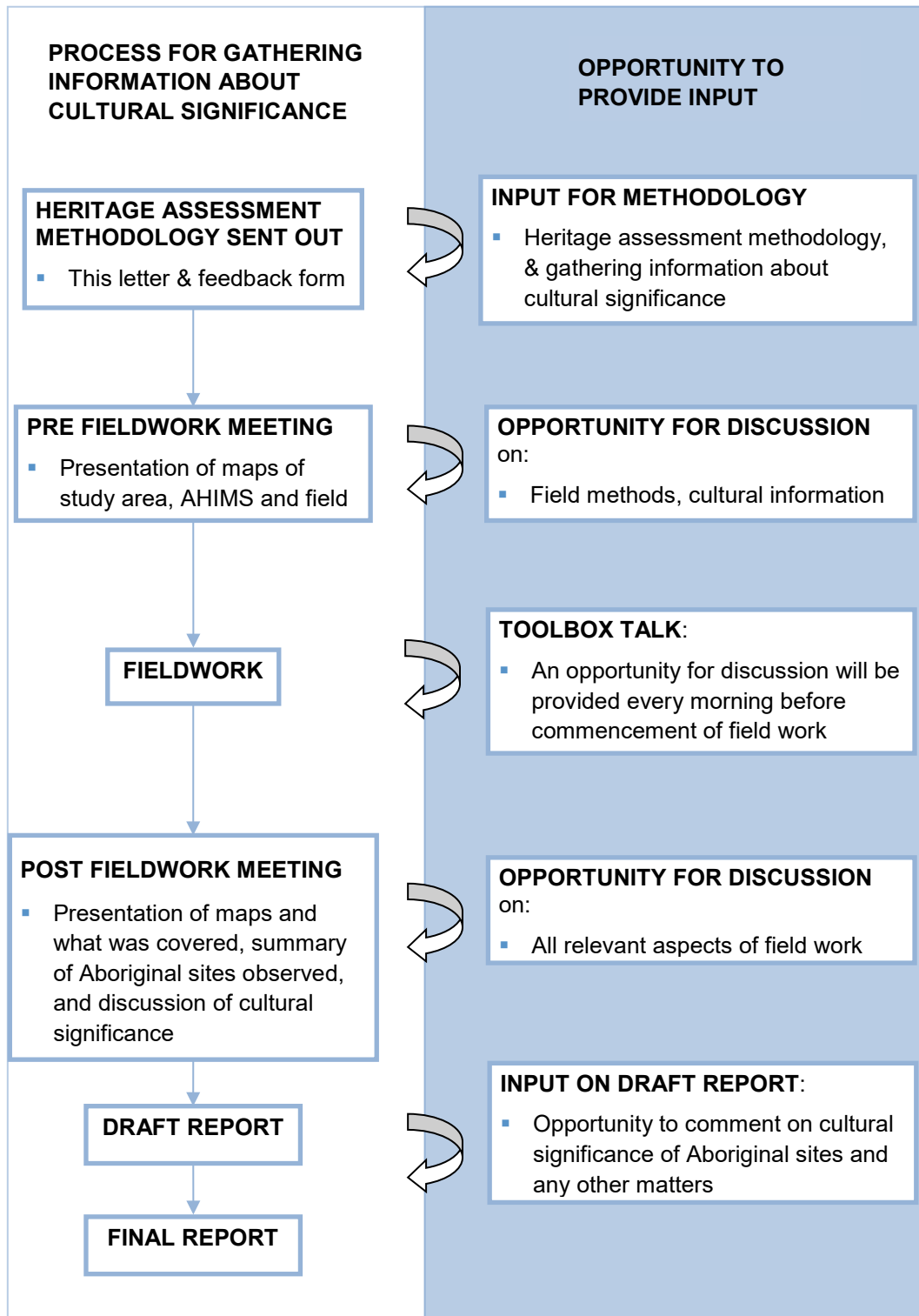






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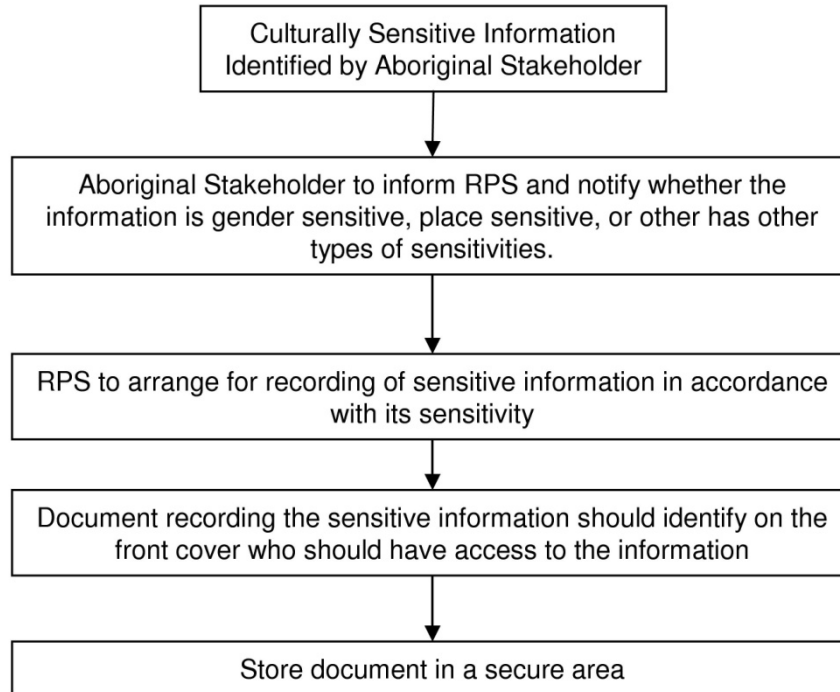
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**Figure 3 Culturally Sensitive Information Protocol**







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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Tom Miller  
Lower Hunter Wonnarua Council  
51 Bowden Street  
Heddon greta 2321

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Tom Miller

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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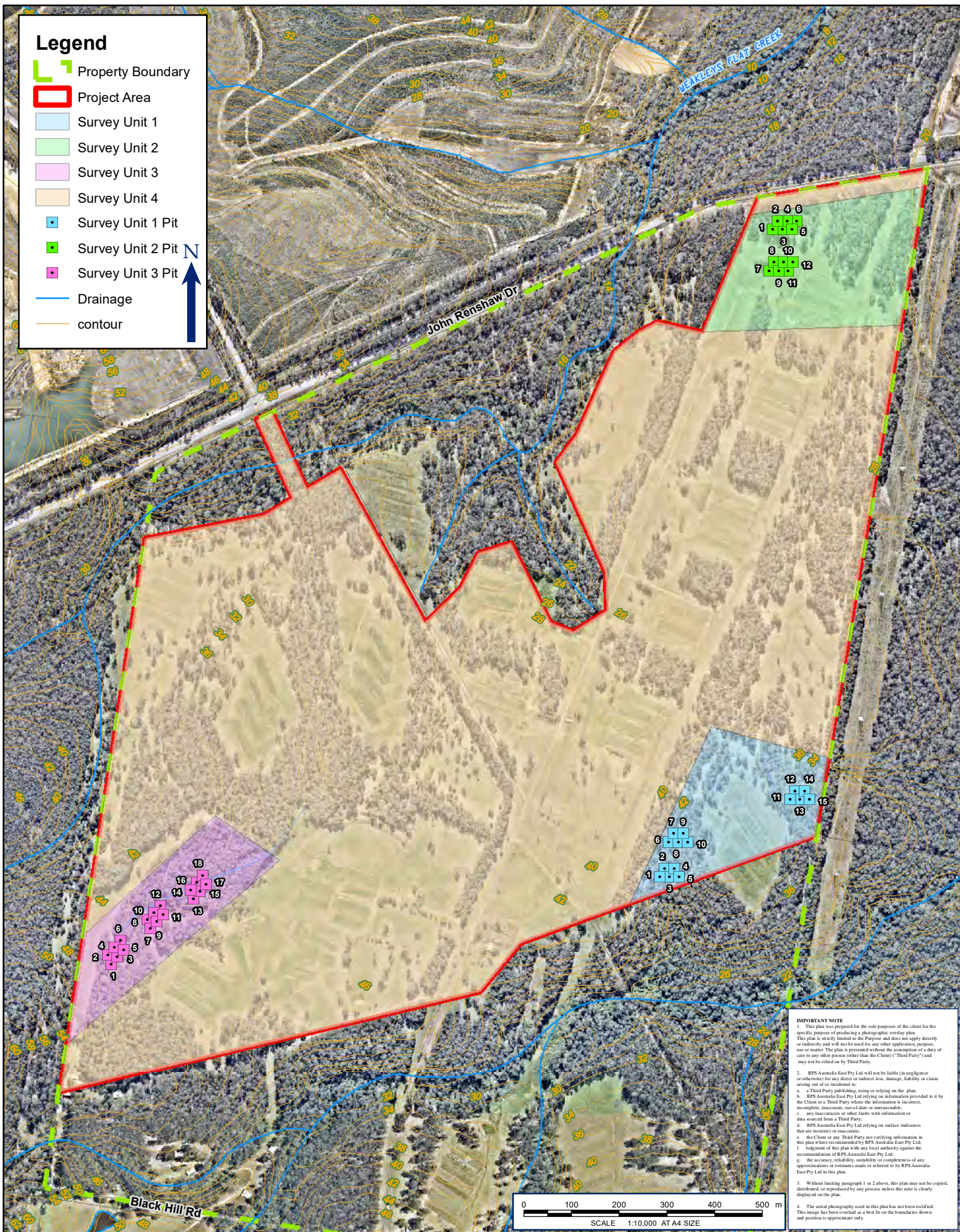
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**RPS**



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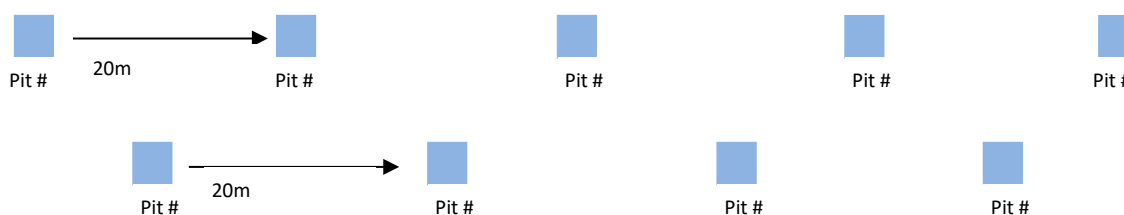
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In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

- Hand excavation using shovels, trowels and other manual tools.
- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
- Test excavation pits will each be back-filled as soon as practicable following completion of excavation

#### Cessation of Test Excavation

- As per requirement 17 under the Code of Practice test excavations will cease when: suspected human remains are encountered; or
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## Recording and Storage of the Archaeological Material

### Aboriginal Objects Recovered During Test Excavations

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Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

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- A full record of the final location of the collection will include:
  - Grid co-ordinates derived as set out in Requirement 8, of Code of Practice for Archaeological Investigation of Aboriginal Objects (2010), NSW
  - A site plan or mud map referring to permanent features
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- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

#### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

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Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

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In order to gather information about cultural significance, Aboriginal stakeholders will be provided with a number of opportunities to have input into the heritage assessment and management process. These opportunities are summarised on the following page and will be briefly outlined here.

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- Social;
- Historic; and,
- Aesthetic

Another opportunity for the assessment of significance will be provided during the review of the draft report.

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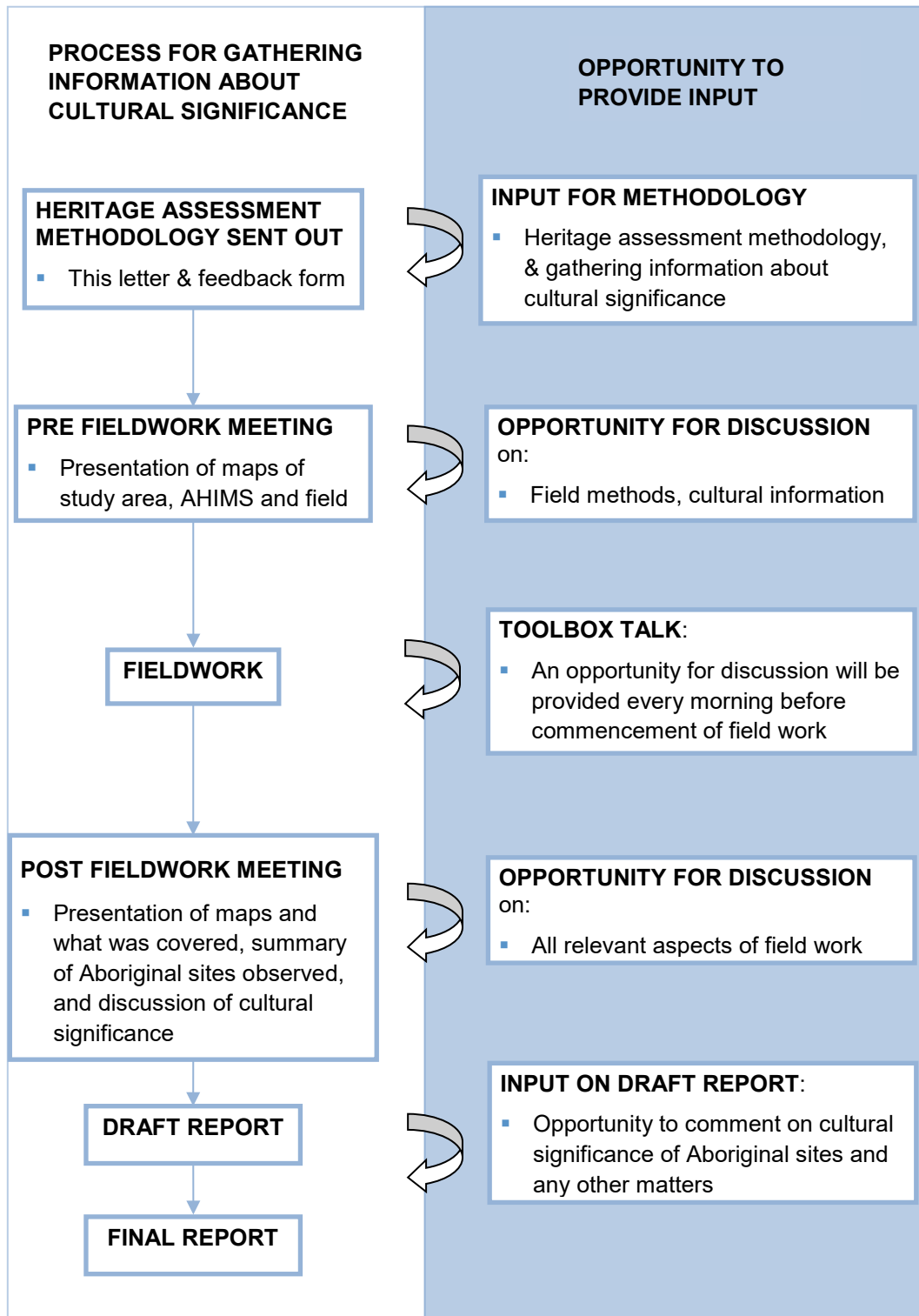






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**Figure 2 Summary of Process for Gathering information about Cultural Significance and Opportunities for Registered Parties' Input**







## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

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Name.....

Registered Organisation.....

Signature.....

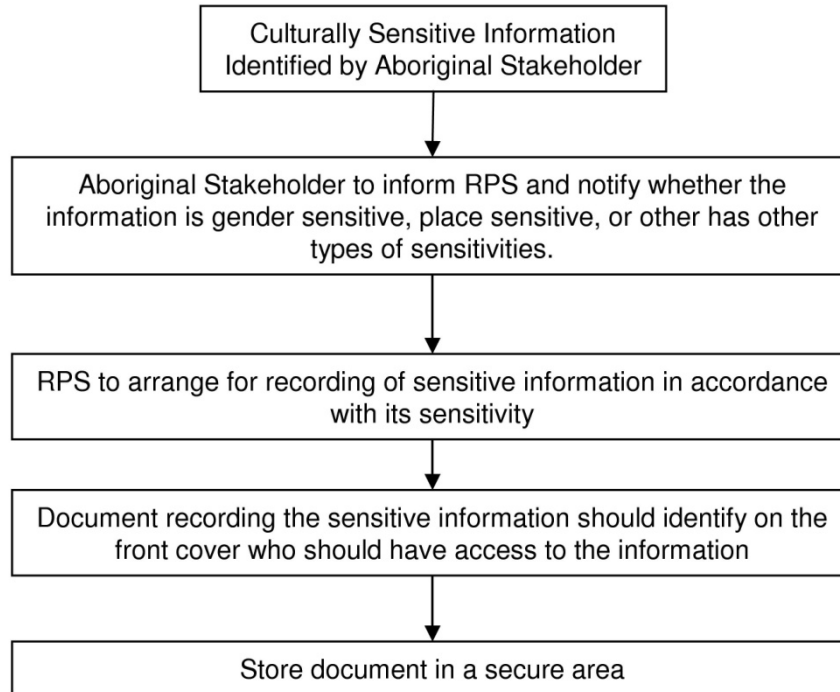
Date.....

Please send this document signed within 28 days back to **CLH personnel** via:

- **Fax:** 02 4961 6794
- **Post:** PO Box 428, Hamilton NSW 2303
- **Email:** [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Allen Paget  
Ungooroo  
PO Box 3095  
Singleton 2330

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Allen Paget

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

Thank you for your registration of interest in this project. Attached is the information about the proposed project and Aboriginal Heritage Assessment Report (ACHAR), including the methodology for test excavation and collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the *Aboriginal Cultural Heritage Consultation Requirements* (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

If you could provide your feedback to RPS by 5pm on 7 August 2018, either by email or return mail that would be greatly appreciated. Please address methodology feedback to CLH personnel.

[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

PO Box 428

Hamilton NSW 2292

Phone: 02 4940 4200

Fax: 02 4961 6794

We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



## Aboriginal Cultural Heritage Assessment Report for Black Hill, NSW: Project Information and Protocols for Sensitive Cultural Information

The following information has been provided in accordance with the ACHCR process. Information has been provided on the proposed project (as required by Stage 2 ACHCRs) as well as on gathering information regarding cultural significance assessment (Stage 3) as required by the ACHCRs. The project will be assessed under Part 4 of the *Environmental Planning and Assessment Act 1979*.

### Project Information

RPS Australia East Pty Ltd has been engaged by Broaden Management Ltd c/- Barr Property and Planning to prepare an Aboriginal Cultural Heritage Assessment Report (ACHCR) and preparation of an Aboriginal Heritage Impact Permit (AHIP) for at Lot 1131, Deposited Plan (DP) 1057179 at Black Hill in the Cessnock Local Government Area (LGA) (Figure 1), ahead of their proposed development. As a part of the ACHAR, potential impacts on Aboriginal cultural heritage will be assessed, and appropriate recommendations made.

In 2013 RPS conducted a due diligence assessment over the project area and identified two registered AHIMS sites and three areas of archaeological sensitivity.

As part of the ACHCR process Aboriginal stakeholders are asked to provide feedback to information sent regarding the project, as well as provide cultural heritage information as appropriate in accordance with the role specified in the ACHCR 2010, pages 15-16. RPS, on behalf of Broaden Management Ltd c/- Barr Property and Planning, in accordance with their role under the ACHCRs is consulting with the Aboriginal stakeholders, supplying suitable project information and providing the opportunity for Aboriginal stakeholder to provide input into the heritage management process as specified in the ACHCRs 2010, pages 16-17.

### Aboriginal Cultural Heritage Assessment Methodology

The methodology for the ACHAR comprises:

- A review of environmental background and heritage context;
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- Formulation of a predictive model;
- Test excavation within identified areas of archaeological sensitivity;
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- Formulation of recommendations for heritage management.

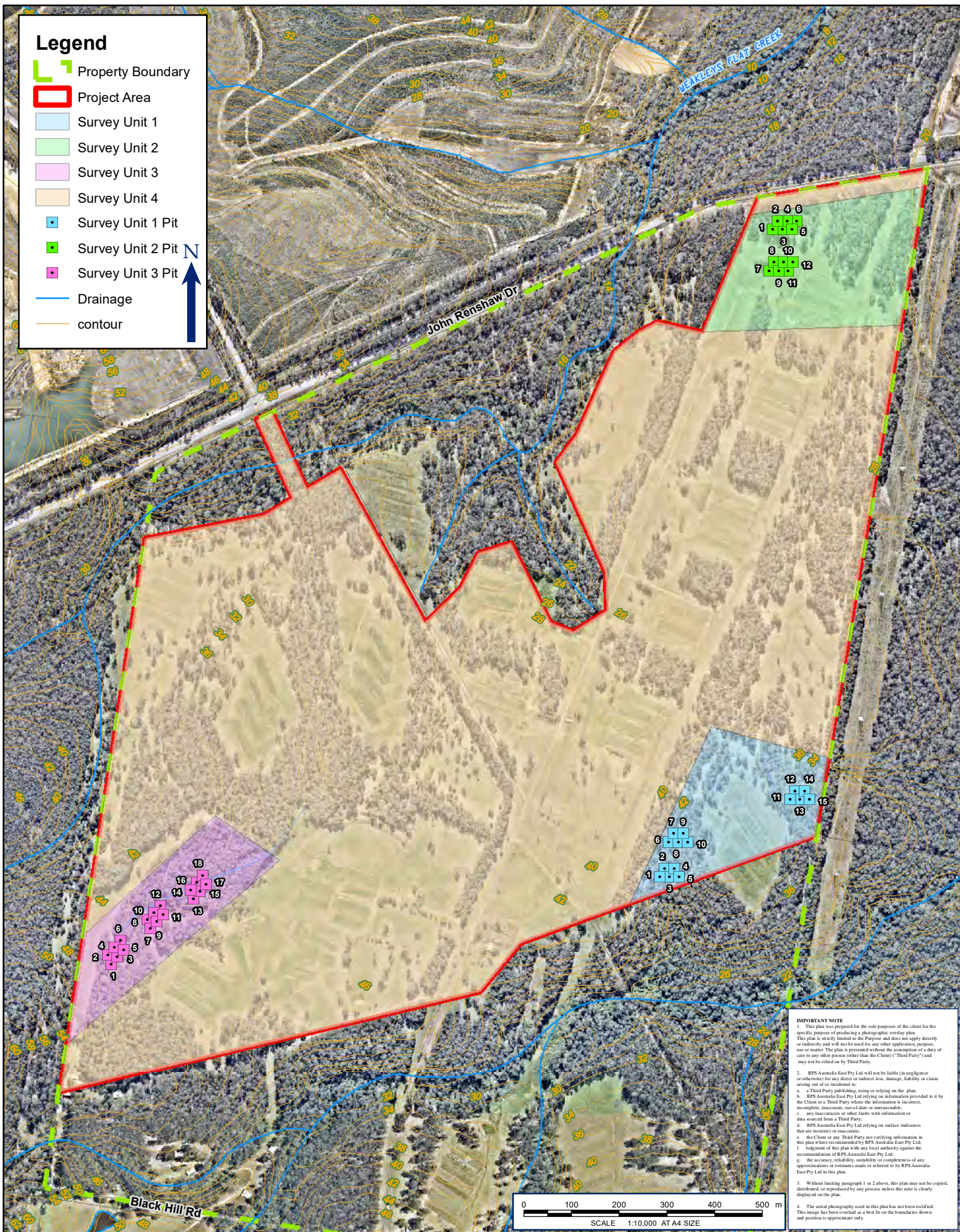
The above components of the Aboriginal heritage assessment methodology will be completed in consultation with Aboriginal stakeholders.

RPS invites Aboriginal stakeholders to provide culturally appropriate information verbally or in writing with regards to this project (a feedback form is attached and may be used as necessary). This includes any places of cultural value which may or may not contain archaeological material.

Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 3), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

As part of this methodology Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.





**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

## Test Excavation

Three areas of archaeological sensitivity were identified during the RPS visual inspection conducted in 2013. All three sites will be subject to an archaeological test excavation and are shown in Figure 1.

Test excavation under the *Code of Practice for Archaeological investigation of Aboriginal Objects in New South Wales* (Code of Practice) aims to collect information about the nature and extent of sub-surface Aboriginal objects based on a sample derived from sub-surface investigations. Test excavations contribute to the understanding of site characteristics and local and regional prehistory and they can be used to inform conservation goals and harm mitigation measures for the proposed activity (DECCW 2010:24). The test excavation results are also used for specifying how much subsurface salvage is required as part of the AHIP.

### Field Methods

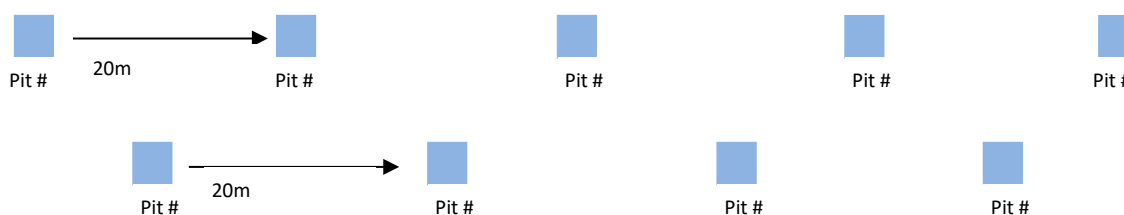
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Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

- Locally or regionally high object density;
- Presence of rare or representative objects;
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### Aboriginal Objects Recovered During Test Excavations

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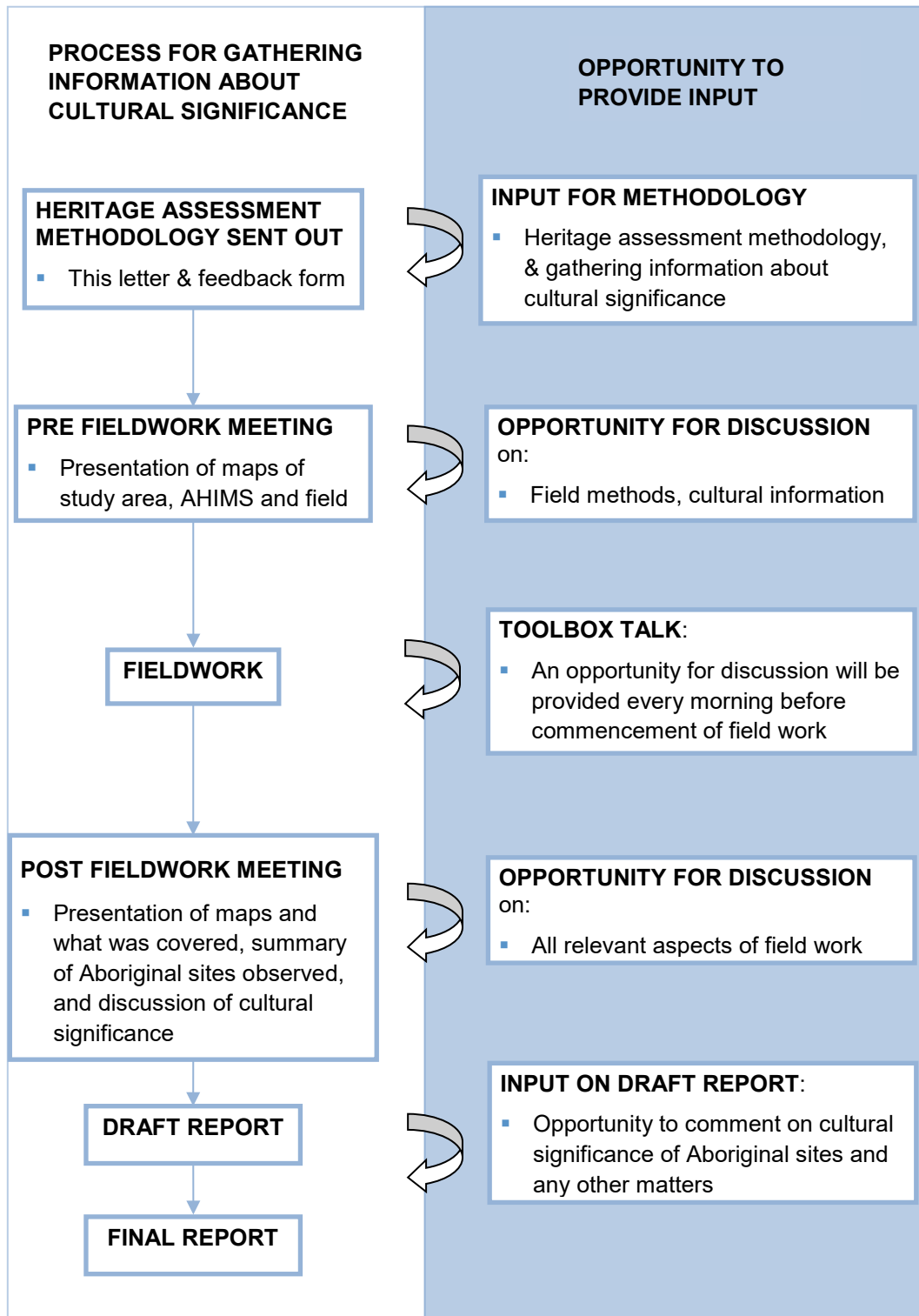






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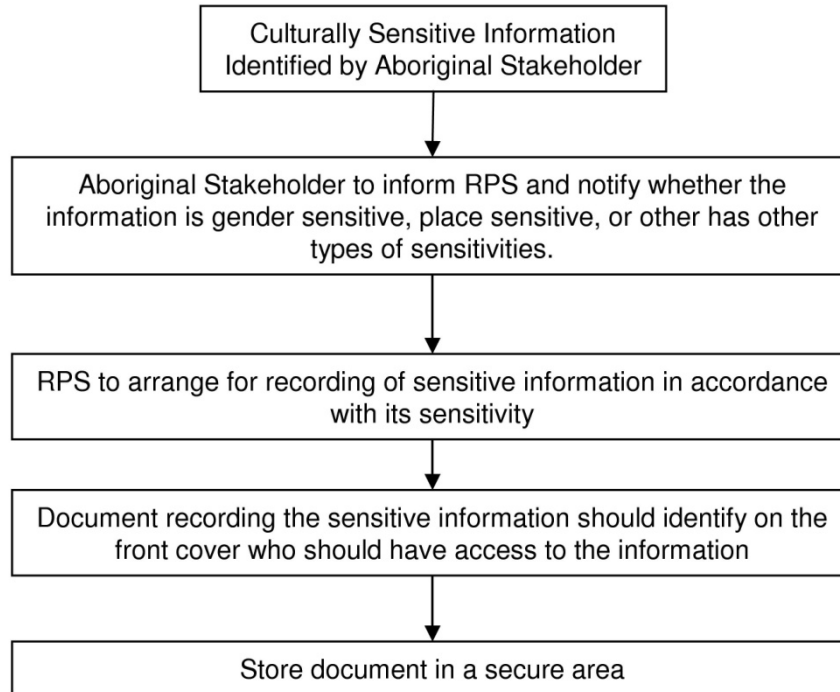
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**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Richard Edwards  
Wonnarua  
PO Box 844  
Cessnock 2325

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Richard Edwards

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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RPS

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We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

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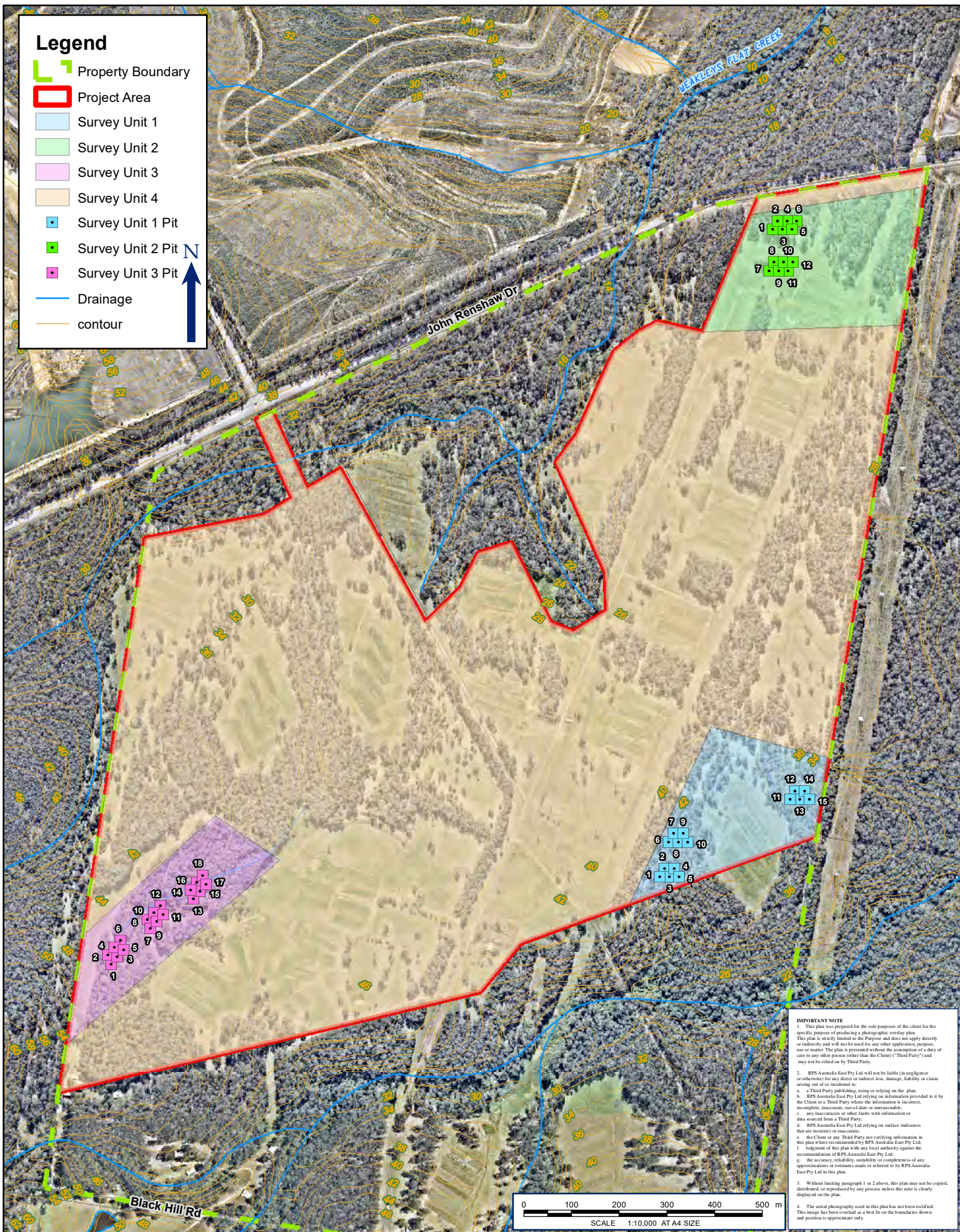
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JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
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CLIENT: BROADEN MANAGEMENT PTY LTD

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241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



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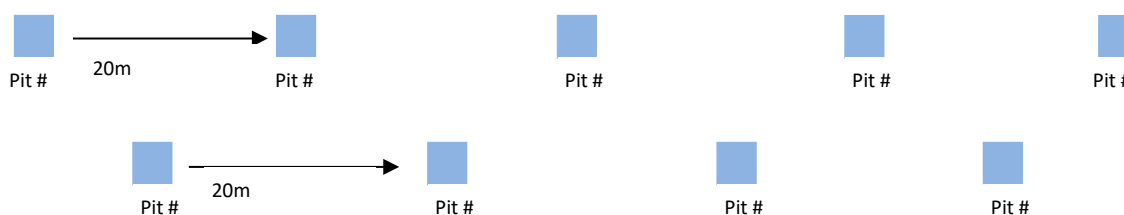
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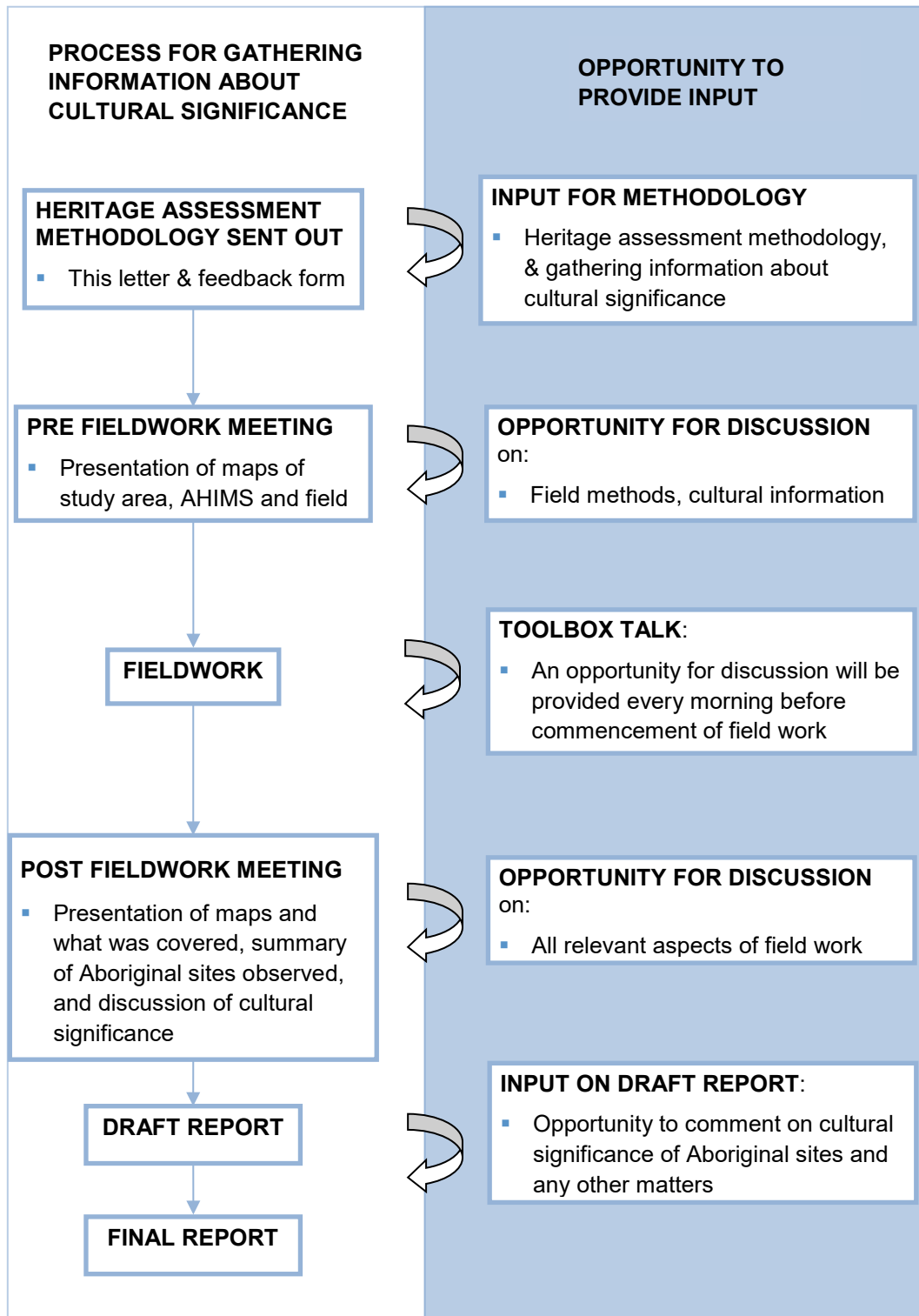






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## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

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Registered Organisation.....

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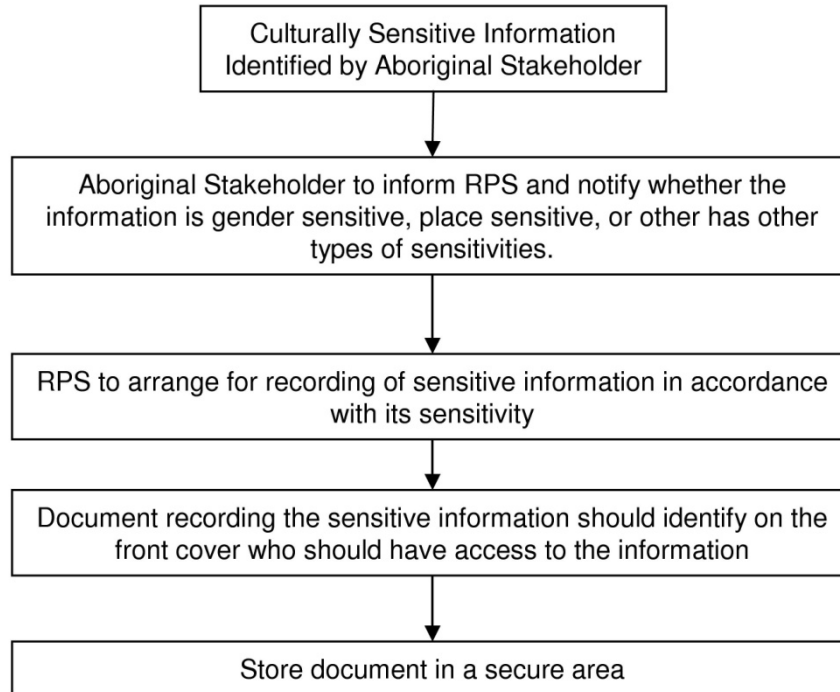
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**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Derrick Vale  
DFTV Enterprises  
5 Mountbatten Close  
Rutherford 2320

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Derrick Vale

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

Thank you for your registration of interest in this project. Attached is the information about the proposed project and Aboriginal Heritage Assessment Report (ACHAR), including the methodology for test excavation and collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the *Aboriginal Cultural Heritage Consultation Requirements* (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

If you could provide your feedback to RPS by 5pm on 7 August 2018, either by email or return mail that would be greatly appreciated. Please address methodology feedback to CLH personnel.

[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

PO Box 428

Hamilton NSW 2292

Phone: 02 4940 4200

Fax: 02 4961 6794

We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



## Aboriginal Cultural Heritage Assessment Report for Black Hill, NSW: Project Information and Protocols for Sensitive Cultural Information

The following information has been provided in accordance with the ACHCR process. Information has been provided on the proposed project (as required by Stage 2 ACHCRs) as well as on gathering information regarding cultural significance assessment (Stage 3) as required by the ACHCRs. The project will be assessed under Part 4 of the *Environmental Planning and Assessment Act 1979*.

### Project Information

RPS Australia East Pty Ltd has been engaged by Broaden Management Ltd c/- Barr Property and Planning to prepare an Aboriginal Cultural Heritage Assessment Report (ACHCR) and preparation of an Aboriginal Heritage Impact Permit (AHIP) for at Lot 1131, Deposited Plan (DP) 1057179 at Black Hill in the Cessnock Local Government Area (LGA) (Figure 1), ahead of their proposed development. As a part of the ACHAR, potential impacts on Aboriginal cultural heritage will be assessed, and appropriate recommendations made.

In 2013 RPS conducted a due diligence assessment over the project area and identified two registered AHIMS sites and three areas of archaeological sensitivity.

As part of the ACHCR process Aboriginal stakeholders are asked to provide feedback to information sent regarding the project, as well as provide cultural heritage information as appropriate in accordance with the role specified in the ACHCR 2010, pages 15-16. RPS, on behalf of Broaden Management Ltd c/- Barr Property and Planning, in accordance with their role under the ACHCRs is consulting with the Aboriginal stakeholders, supplying suitable project information and providing the opportunity for Aboriginal stakeholder to provide input into the heritage management process as specified in the ACHCRs 2010, pages 16-17.

### Aboriginal Cultural Heritage Assessment Methodology

The methodology for the ACHAR comprises:

- A review of environmental background and heritage context;
- An Aboriginal Heritage Information Management System (AHIMS) search;
- Formulation of a predictive model;
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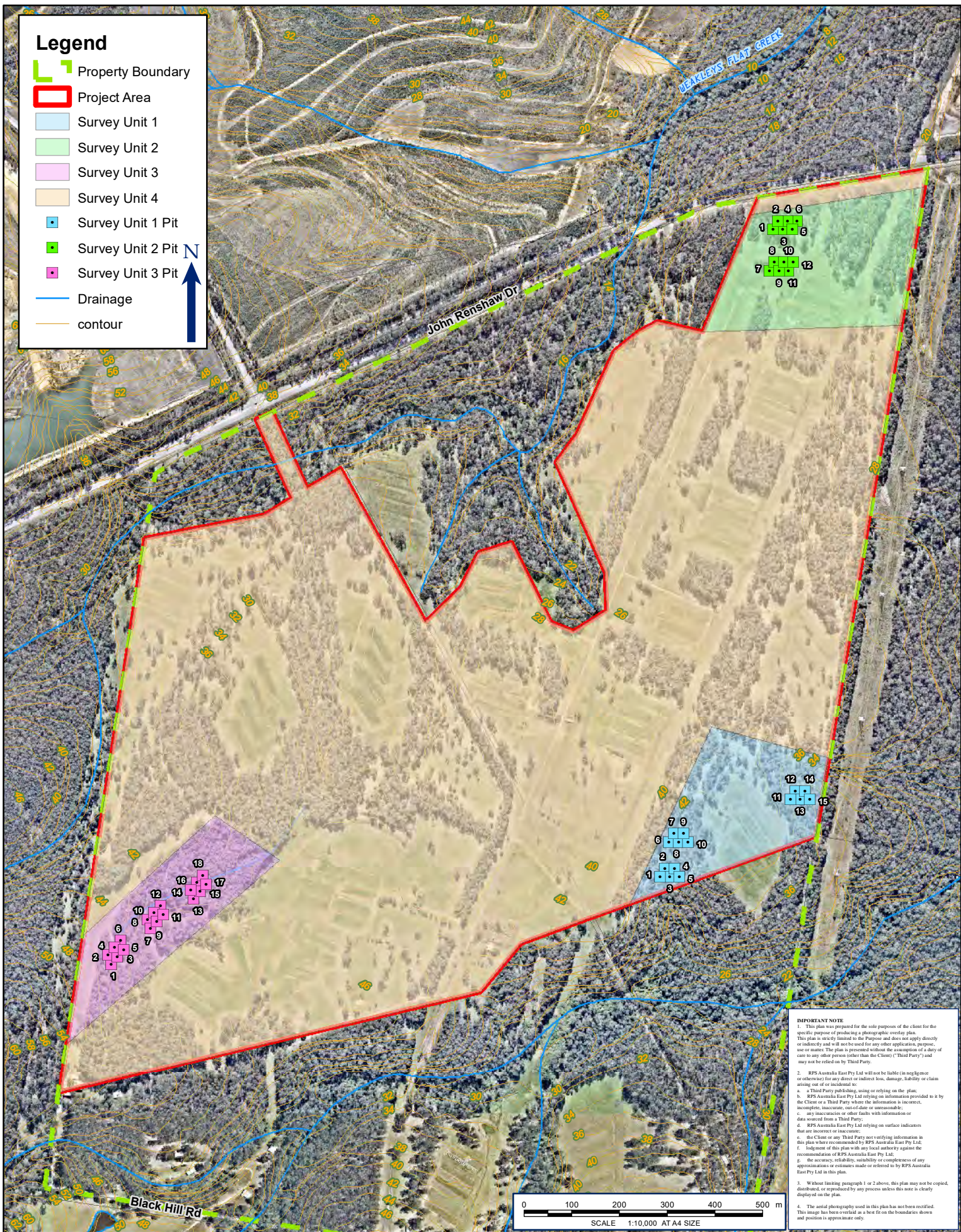
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As part of this methodology Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.





**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

## Test Excavation

Three areas of archaeological sensitivity were identified during the RPS visual inspection conducted in 2013. All three sites will be subject to an archaeological test excavation and are shown in Figure 1.

Test excavation under the *Code of Practice for Archaeological investigation of Aboriginal Objects in New South Wales* (Code of Practice) aims to collect information about the nature and extent of sub-surface Aboriginal objects based on a sample derived from sub-surface investigations. Test excavations contribute to the understanding of site characteristics and local and regional prehistory and they can be used to inform conservation goals and harm mitigation measures for the proposed activity (DECCW 2010:24). The test excavation results are also used for specifying how much subsurface salvage is required as part of the AHIP.

### Field Methods

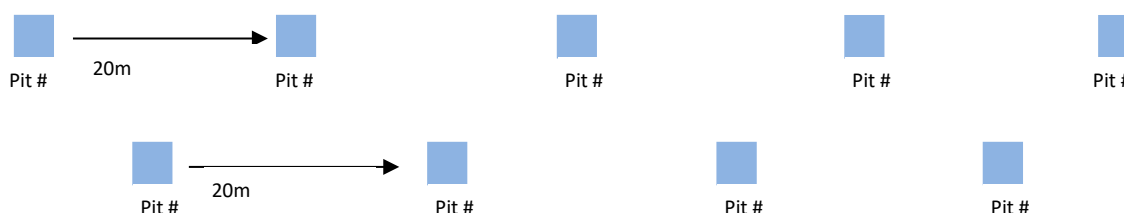
The following field test excavation methods have been prepared in accordance with Requirement 16 of the Code of Practice.

Pits will be hand excavated and will be 0.5m x 0.5m in dimension. The first pit will be excavated in 5cm spits, based on evidence of this excavation unit, 10cm spits may be implemented. If distinct features are identified, then pits may be excavated stratigraphically. All material excavated will be sieved using a 5mm aperture sieve. The excavation of individual pits will cease once clay has been reached or after two consecutive sterile spits have been excavated. For safety reasons pits will not be excavated beyond a metre depth.

Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

- Locally or regionally high object density;
- Presence of rare or representative objects;
- Presence of archaeological features or locally or regionally significant deposits, stratified or not.

In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

- Hand excavation using shovels, trowels and other manual tools.
- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
- Test excavation pits will each be back-filled as soon as practicable following completion of excavation

#### Cessation of Test Excavation

- As per requirement 17 under the Code of Practice test excavations will cease when: suspected human remains are encountered; or
- Enough information has been recovered to adequately characterise the objects present with regard to their nature and significance and/or the threshold of 0.5% of the site has been investigated (requirement 16a).

## Recording and Storage of the Archaeological Material

### Aboriginal Objects Recovered During Test Excavations

Any Aboriginal objects that are moved during test excavation will be reburied as soon as practicable or stored in a secure temporary storage location in accordance with Requirement 26 of the Code of Practice pending any agreement reached as to the long-term management of the salvaged Aboriginal objects.

Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

- The catalogue will be in printed form but may also include an electronic database in the form of a table containing all records.
- All stone artefacts will be individually bagged or bagged in appropriate and identifiable units (e.g. excavation or collection units) that can be referenced back to the catalogue.
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- The collection will be placed in a suitable impervious and permanent container and labelled appropriately.
- A full record of the final location of the collection will include:
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- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

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Diagnostic artefacts and archaeological material will be photographed using graded metric scales. Photographic recording of the excavation fieldwork and soils profiles will also be undertaken.

### Storage of Archaeological Material

Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

### Process for Gathering Information about Cultural Significance

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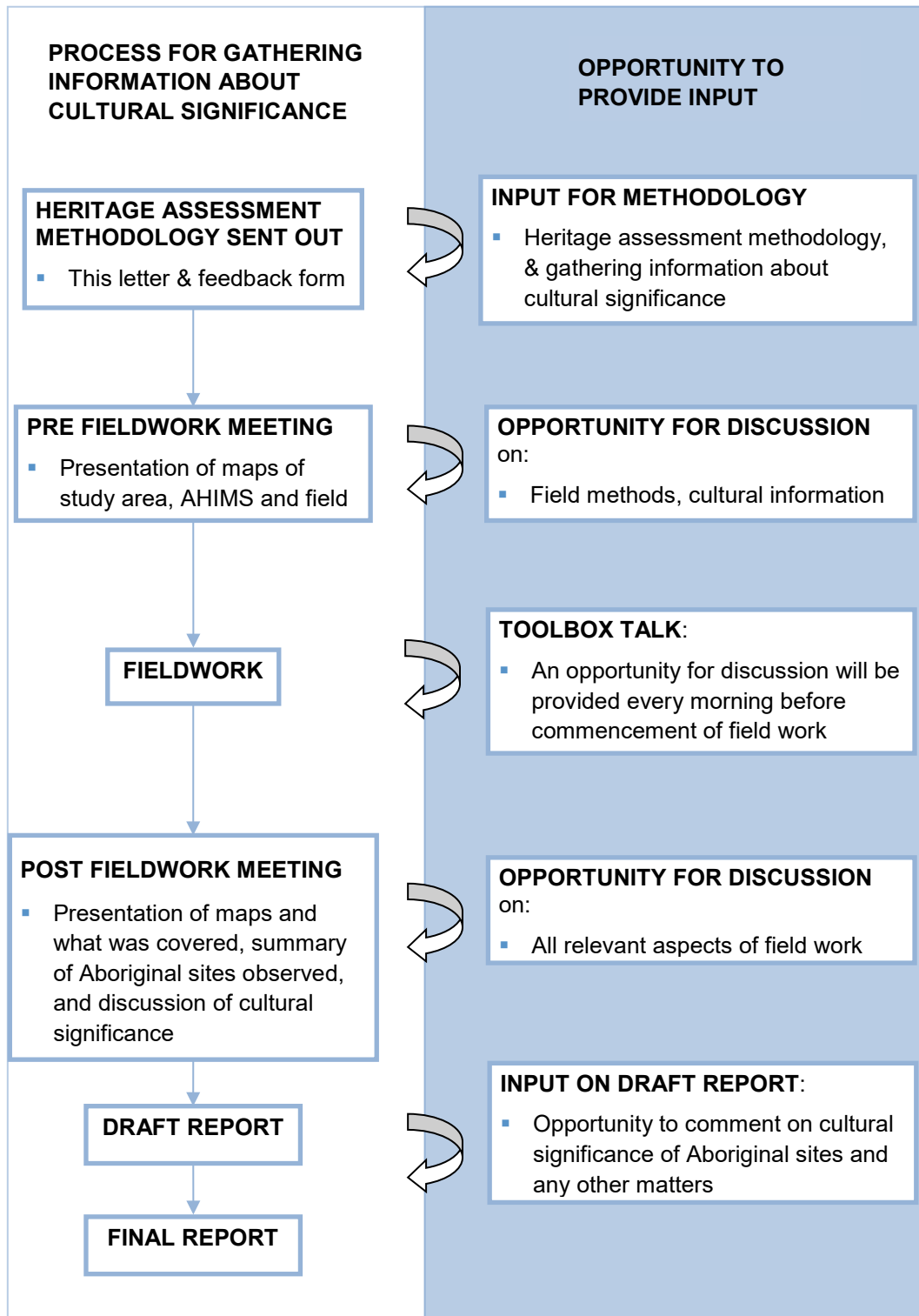






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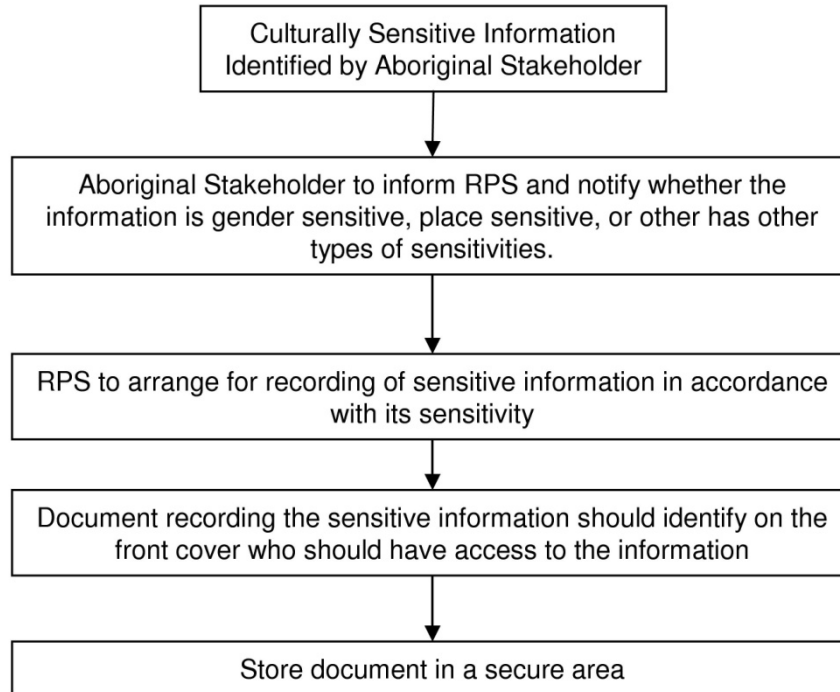
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A member of the RPS Group Plc

Attn: Arthur Fletcher  
Wonn1  
619 Main Road  
Glendale 2285

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

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**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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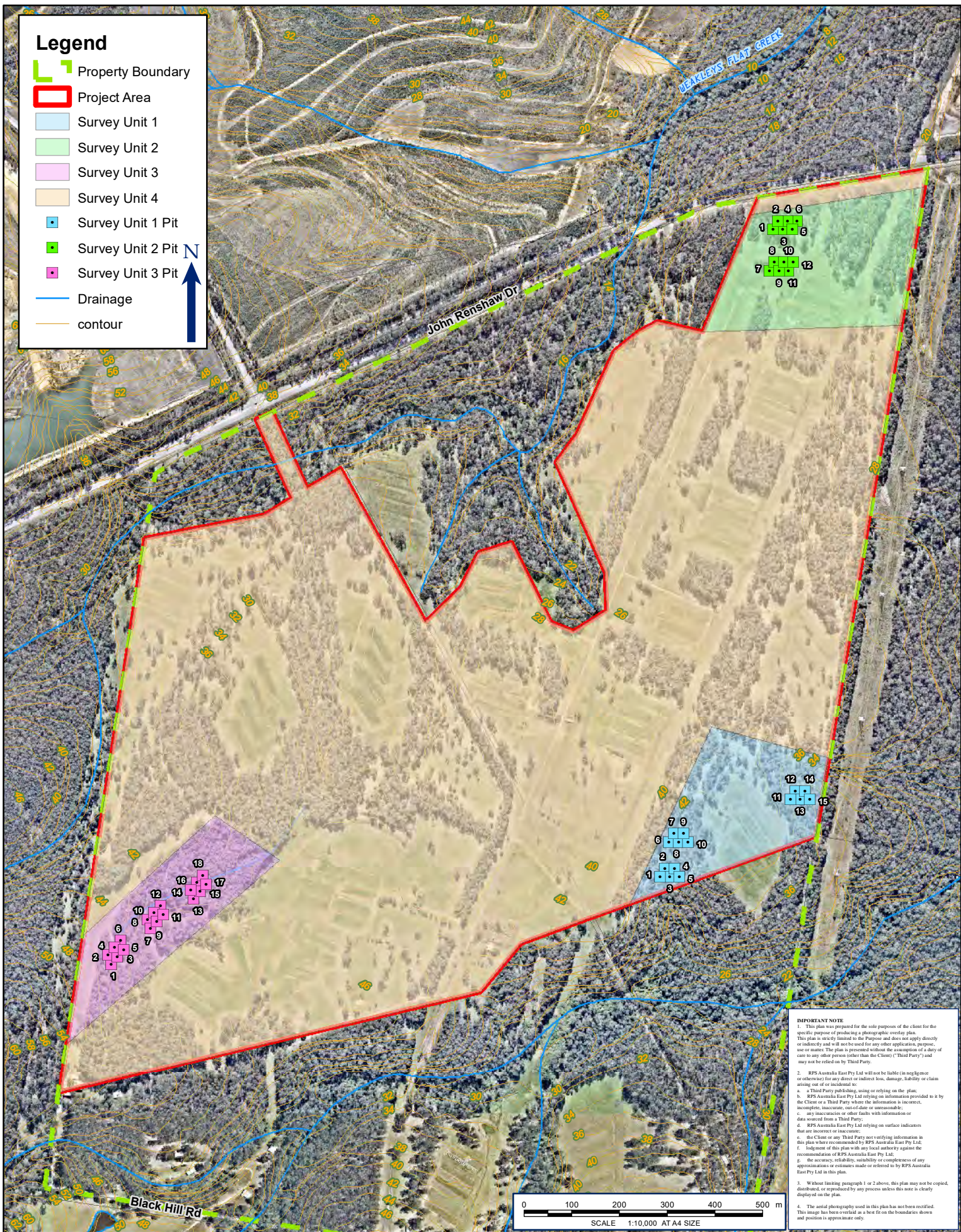
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JOB NO.:	PR 139511	PROJECTION:	MGA Zone 56
PURPOSE:	HERITAGE	Data Sources:	RPS, Client
Technician:	james.hugo	Land and Property	2015

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
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**RPS**



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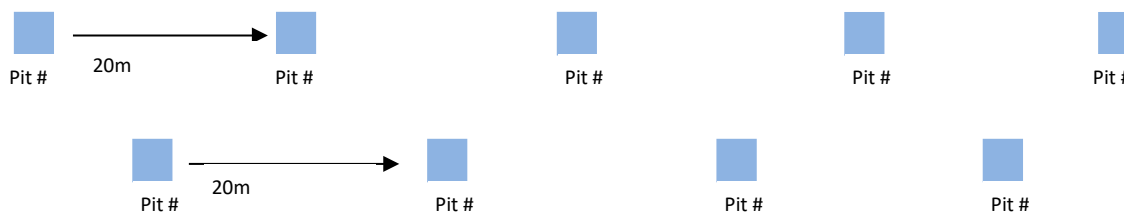
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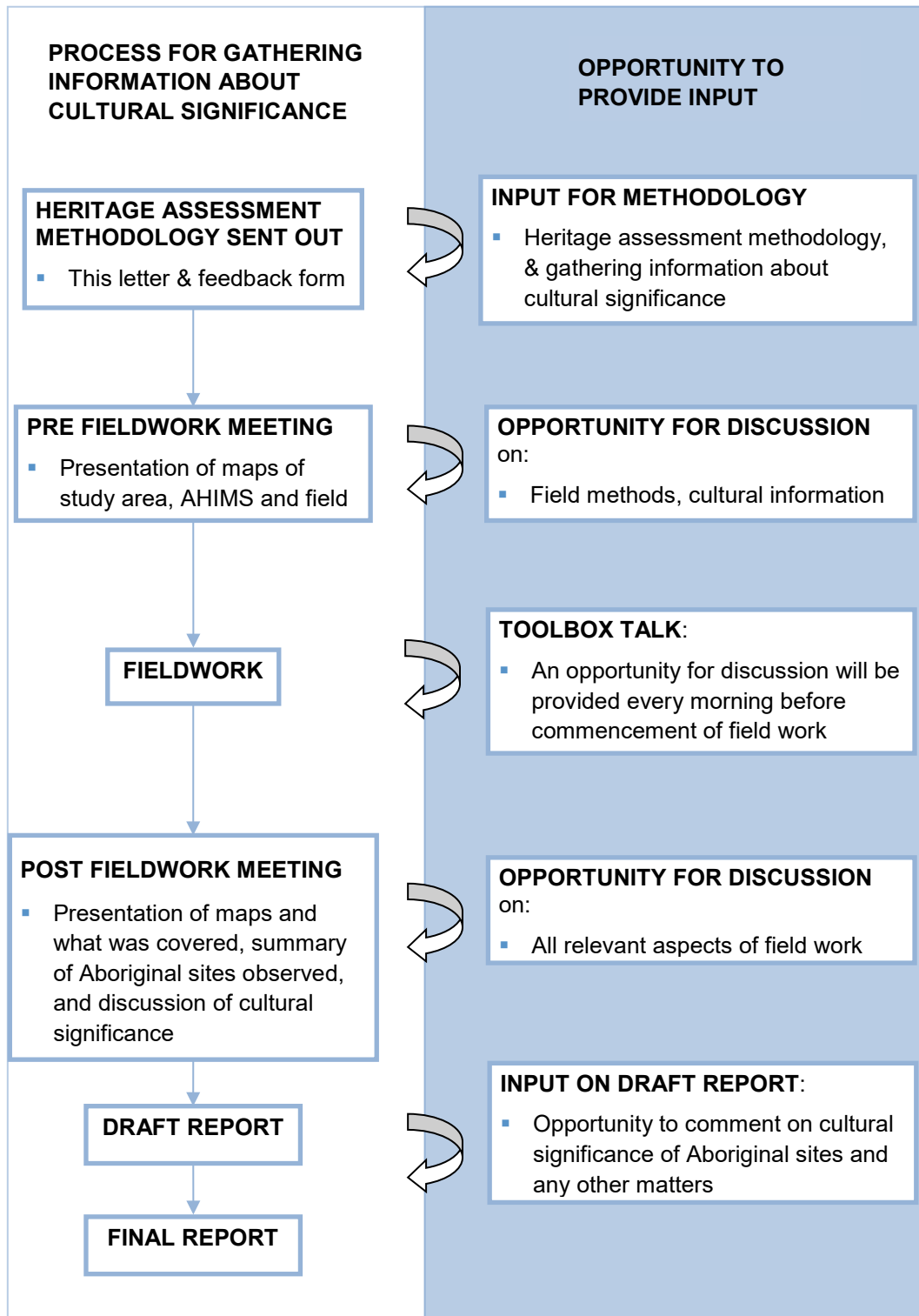






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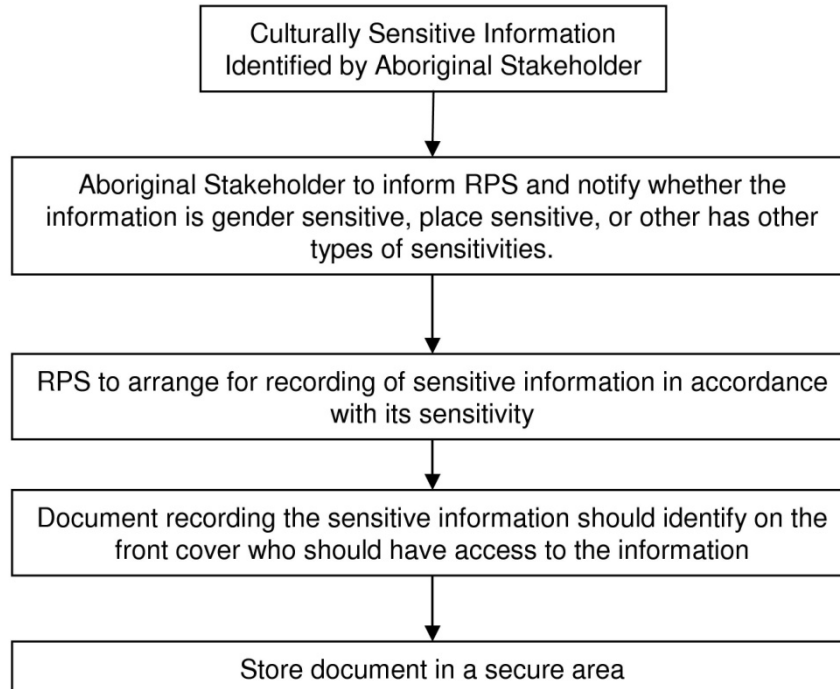
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A member of the RPS Group Plc

Attn: Jason Brown  
Mindaribba LALC  
1A Chelmsford  
Metford 2323

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Jason Brown

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

Thank you for your registration of interest in this project. Attached is the information about the proposed project and Aboriginal Heritage Assessment Report (ACHAR), including the methodology for test excavation and collection of information regarding cultural significance.

We are seeking your organisation's input into the heritage assessment methodology as per the *Aboriginal Cultural Heritage Consultation Requirements* (ACHCRs). We have attached a feedback form which you may wish to use in response to the methodology.

If you could provide your feedback to RPS by 5pm on 7 August 2018, either by email or return mail that would be greatly appreciated. Please address methodology feedback to CLH personnel.

[ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

RPS

PO Box 428

Hamilton NSW 2292

Phone: 02 4940 4200

Fax: 02 4961 6794

We trust this information is sufficient for your purposes, however should you require any further details or clarification please do not hesitate to contact me.

Yours sincerely

**RPS**

Ben Slack  
Heritage Consultant



## Aboriginal Cultural Heritage Assessment Report for Black Hill, NSW: Project Information and Protocols for Sensitive Cultural Information

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As part of the ACHCR process Aboriginal stakeholders are asked to provide feedback to information sent regarding the project, as well as provide cultural heritage information as appropriate in accordance with the role specified in the ACHCR 2010, pages 15-16. RPS, on behalf of Broaden Management Ltd c/- Barr Property and Planning, in accordance with their role under the ACHCRs is consulting with the Aboriginal stakeholders, supplying suitable project information and providing the opportunity for Aboriginal stakeholder to provide input into the heritage management process as specified in the ACHCRs 2010, pages 16-17.

### Aboriginal Cultural Heritage Assessment Methodology

The methodology for the ACHAR comprises:

- A review of environmental background and heritage context;
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- Test excavation within identified areas of archaeological sensitivity;
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- Formulation of recommendations for heritage management.

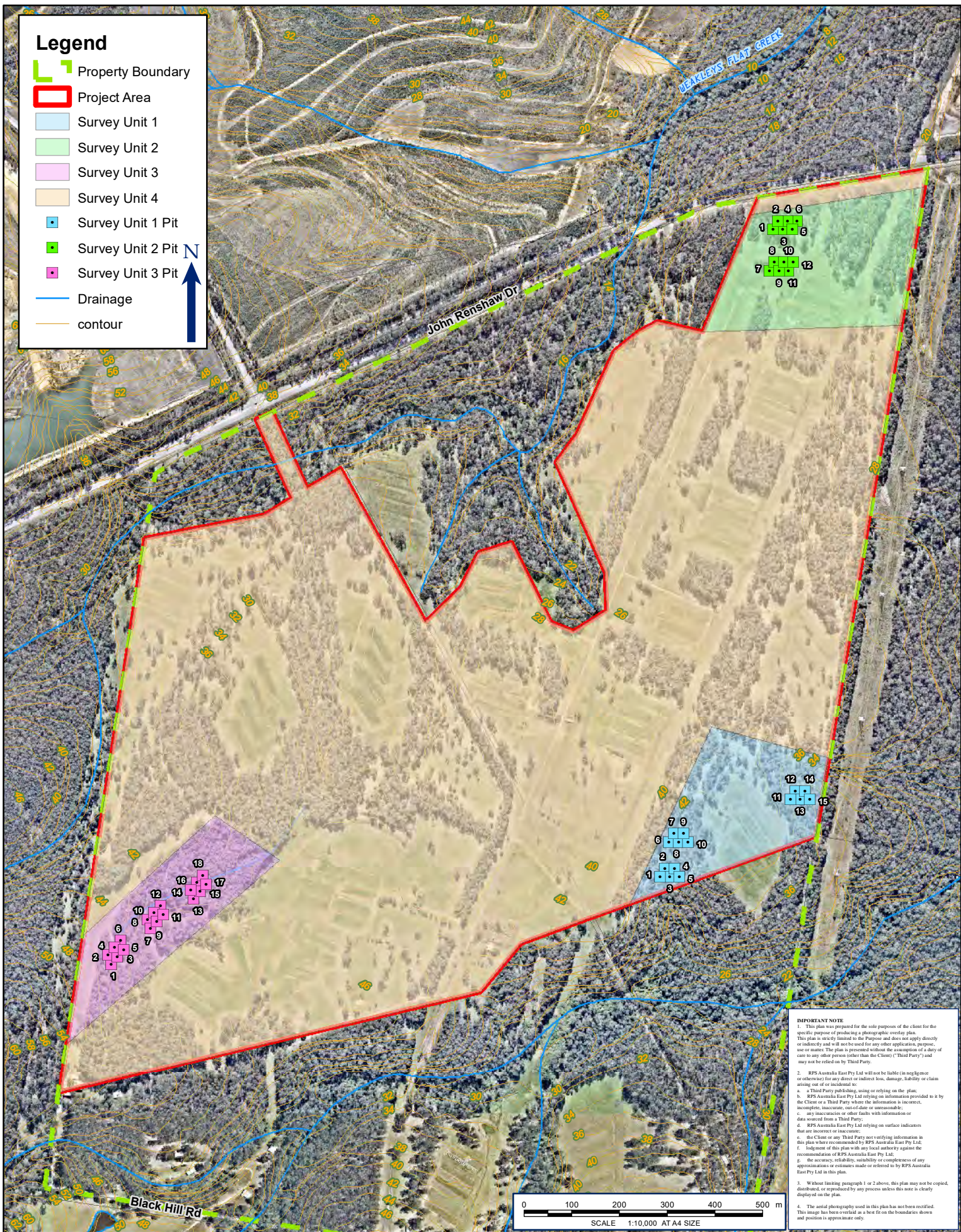
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RPS invites Aboriginal stakeholders to provide culturally appropriate information verbally or in writing with regards to this project (a feedback form is attached and may be used as necessary). This includes any places of cultural value which may or may not contain archaeological material.

Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 3), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

As part of this methodology Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.





**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM: GDA94
JOB NO.:	PR 139511	PROJECTION: MGA Zone 56
PURPOSE: HERITAGE		Data Sources: RPS, Client Land and Property 2015
Technician: james.hugo	Date: 21/2/2018	

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

## Test Excavation

Three areas of archaeological sensitivity were identified during the RPS visual inspection conducted in 2013. All three sites will be subject to an archaeological test excavation and are shown in Figure 1.

Test excavation under the *Code of Practice for Archaeological investigation of Aboriginal Objects in New South Wales* (Code of Practice) aims to collect information about the nature and extent of sub-surface Aboriginal objects based on a sample derived from sub-surface investigations. Test excavations contribute to the understanding of site characteristics and local and regional prehistory and they can be used to inform conservation goals and harm mitigation measures for the proposed activity (DECCW 2010:24). The test excavation results are also used for specifying how much subsurface salvage is required as part of the AHIP.

### Field Methods

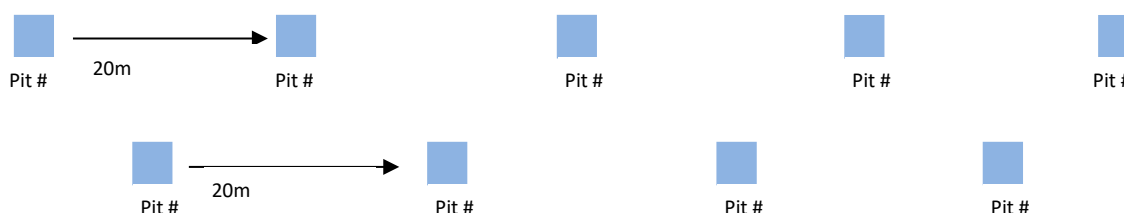
The following field test excavation methods have been prepared in accordance with Requirement 16 of the Code of Practice.

Pits will be hand excavated and will be 0.5m x 0.5m in dimension. The first pit will be excavated in 5cm spits, based on evidence of this excavation unit, 10cm spits may be implemented. If distinct features are identified, then pits may be excavated stratigraphically. All material excavated will be sieved using a 5mm aperture sieve. The excavation of individual pits will cease once clay has been reached or after two consecutive sterile spits have been excavated. For safety reasons pits will not be excavated beyond a metre depth.

Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

- Locally or regionally high object density;
- Presence of rare or representative objects;
- Presence of archaeological features or locally or regionally significant deposits, stratified or not.

In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

- Hand excavation using shovels, trowels and other manual tools.
- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
- Test excavation pits will each be back-filled as soon as practicable following completion of excavation

#### Cessation of Test Excavation

- As per requirement 17 under the Code of Practice test excavations will cease when: suspected human remains are encountered; or
- Enough information has been recovered to adequately characterise the objects present with regard to their nature and significance and/or the threshold of 0.5% of the site has been investigated (requirement 16a).

## Recording and Storage of the Archaeological Material

### Aboriginal Objects Recovered During Test Excavations

Any Aboriginal objects that are moved during test excavation will be reburied as soon as practicable or stored in a secure temporary storage location in accordance with Requirement 26 of the Code of Practice pending any agreement reached as to the long-term management of the salvaged Aboriginal objects.

Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

- The catalogue will be in printed form but may also include an electronic database in the form of a table containing all records.
- All stone artefacts will be individually bagged or bagged in appropriate and identifiable units (e.g. excavation or collection units) that can be referenced back to the catalogue.
- The stone artefacts will be stored in good quality, plastic zip-lock bags.
- The bags will be externally labelled using permanent marker, and an 'independent' label on robust material will be placed inside each bag.
- The collection will be placed in a suitable impervious and permanent container and labelled appropriately.
- A full record of the final location of the collection will include:
  - Grid co-ordinates derived as set out in Requirement 8, of Code of Practice for Archaeological Investigation of Aboriginal Objects (2010), NSW
  - A site plan or mud map referring to permanent features
  - Depth of burial, if buried
  - Full photographic record of the disposition.



- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

#### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

#### Photographic Recording

Diagnostic artefacts and archaeological material will be photographed using graded metric scales. Photographic recording of the excavation fieldwork and soils profiles will also be undertaken.

#### Storage of Archaeological Material

Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

#### Process for Gathering Information about Cultural Significance

In order to gather information about cultural significance, Aboriginal stakeholders will be provided with a number of opportunities to have input into the heritage assessment and management process. These opportunities are summarised on the following page and will be briefly outlined here.

This letter has outlined the nature of the project including mapping, heritage assessment methodology and protocols for handling culturally sensitive information. A feedback form is attached to this letter which can be used to provide input into the assessment methodology.

A pre-fieldwork meeting (usually on the morning of the first day of survey) will provide an opportunity to meet the RPS survey team and opportunity to review the maps of the Project Area, the previously recorded Aboriginal sites from AHIMS, as well as discuss field survey methods and any cultural information relevant to the project. The pre-fieldwork meeting will involve two steps: the first will be a group discussion; the second will allow the opportunity for individual discussions with each stakeholder group. This second step is to identify if there is any confidential cultural information which should not be made public. The steps/levels of consultation will be made available throughout the process. Minutes of the meetings will be kept and agreed upon by all parties.

A toolbox talk will be conducted each morning before field work commences and the opportunity will be given to raise any issues or comment on the fieldwork progress.

A post field work meeting will be conducted on the last day of field work. This meeting will outline the areas which have been surveyed, a summary of Aboriginal sites observed (if applicable) and the discussion of cultural significance. In particular there will be an opportunity to discuss the criteria for the assessment of significance outlined in the OEH guidelines (2011:7-11):

- Social;
- Historic; and,
- Aesthetic

Another opportunity for the assessment of significance will be provided during the review of the draft report.

The draft report will be sent to Aboriginal stakeholders and the opportunity to assess the significance of Aboriginal sites identified in the Project Area will be provided. An opportunity for feedback on any aspects of the assessment will also be provided at this stage. Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.

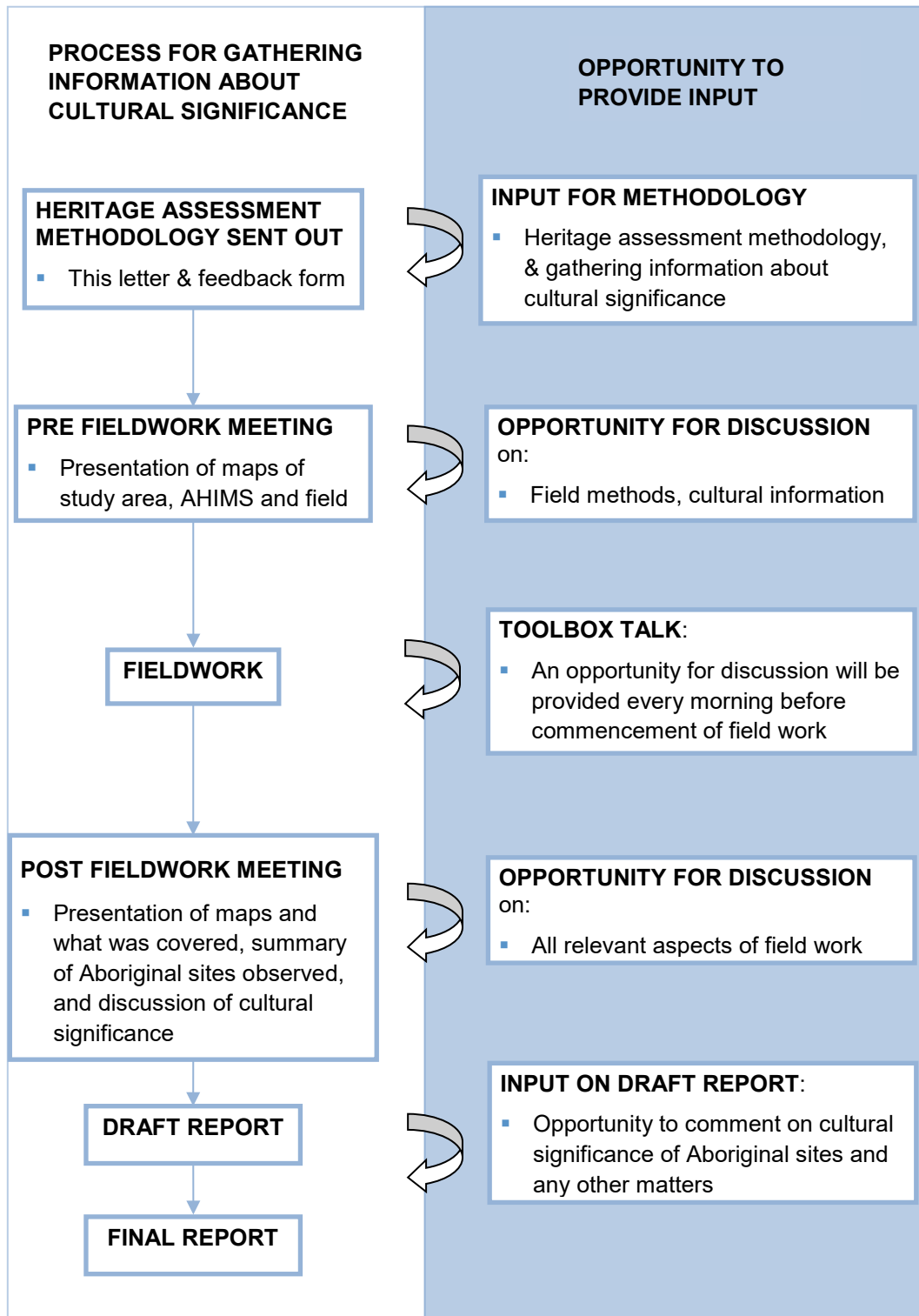






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**Figure 2 Summary of Process for Gathering information about Cultural Significance and Opportunities for Registered Parties' Input**







## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Aboriginal Cultural Heritage Assessment Report, I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:


Name.....

Registered Organisation.....

Signature.....

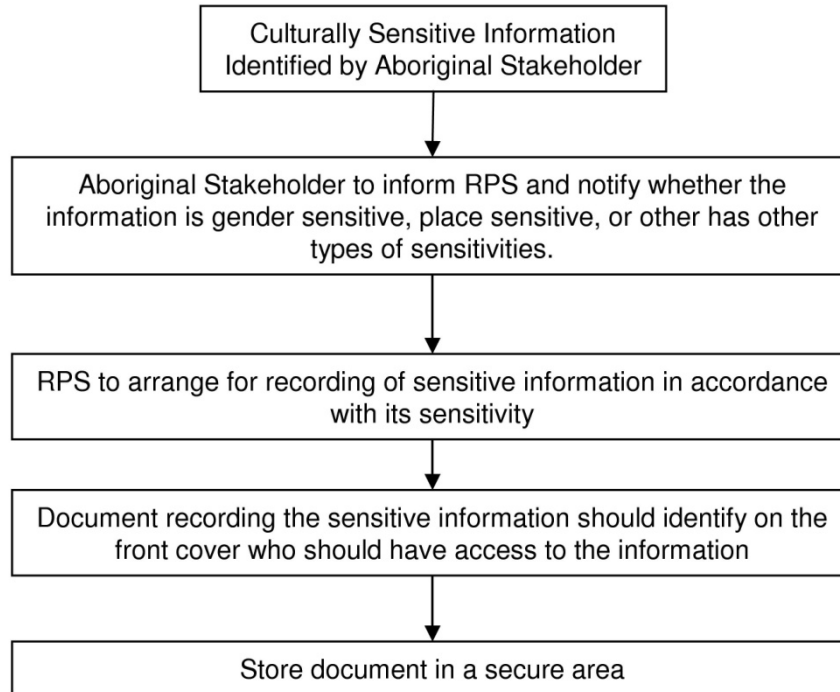
Date.....

Please send this document signed within 28 days back to **CLH personnel** via:

- **Fax:** 02 4961 6794
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**Figure 3 Culturally Sensitive Information Protocol**







**Newcastle Office**  
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PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200

RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Tracey Skene  
Culturally Aware  
7 Crawford Place  
Milfield 2325

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Tracey Skene

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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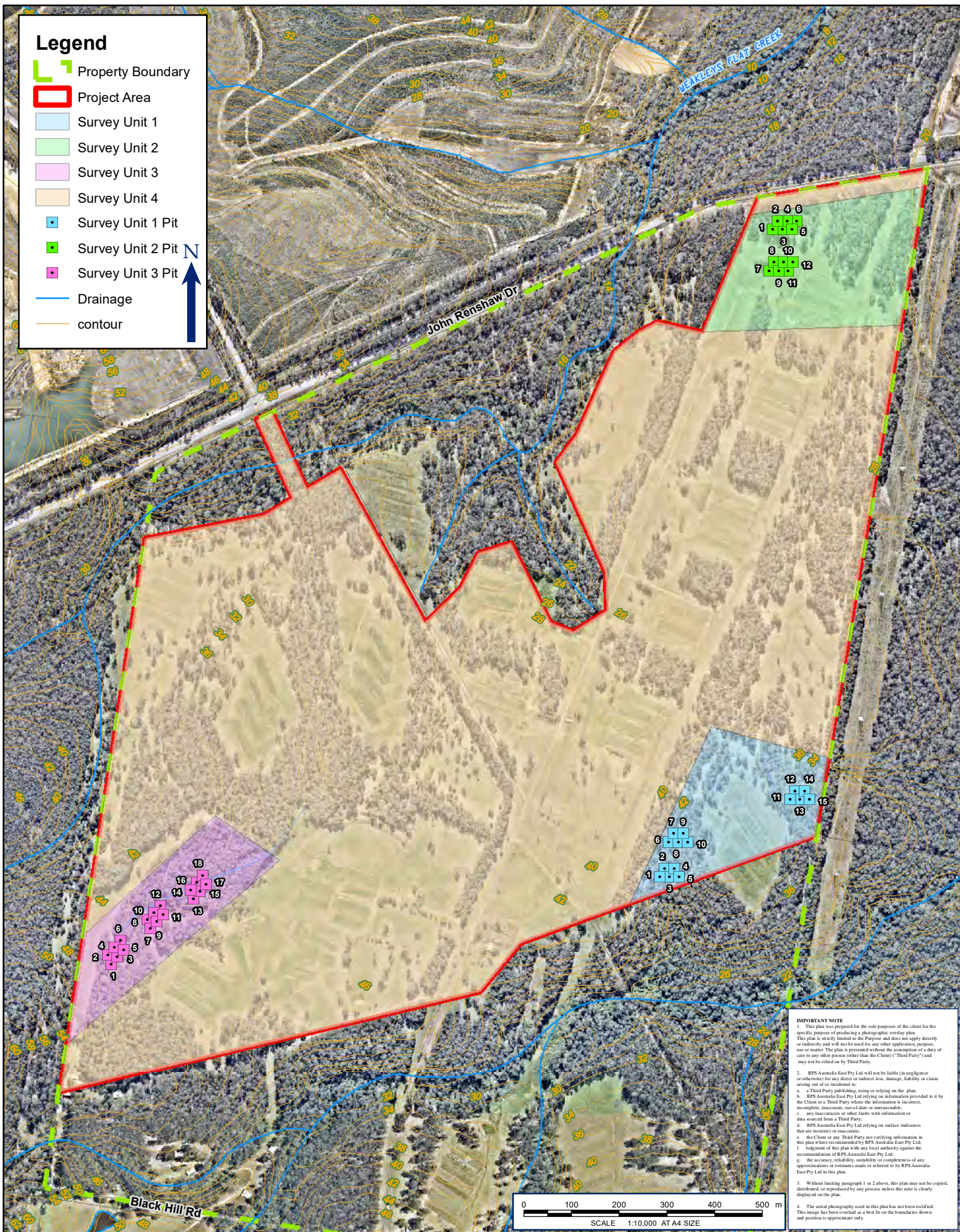
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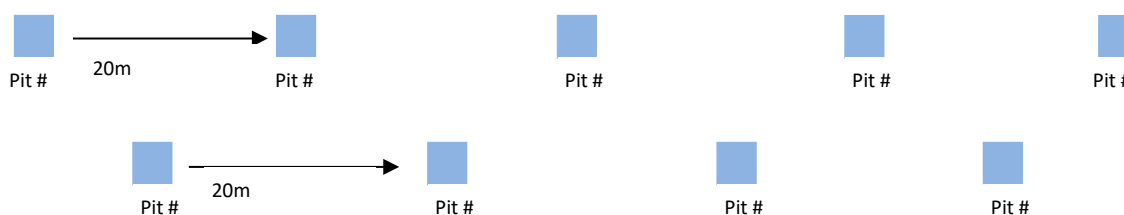
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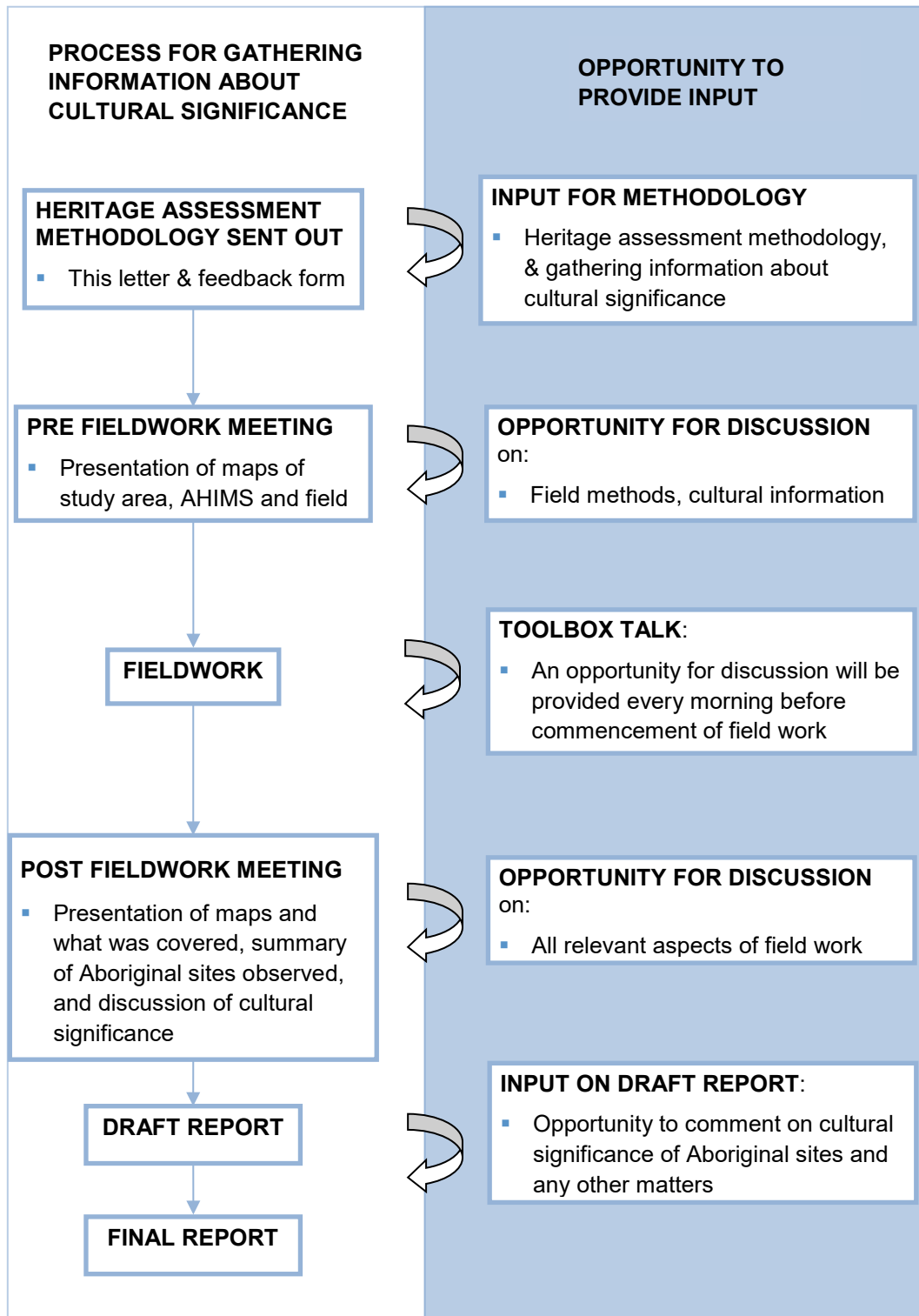






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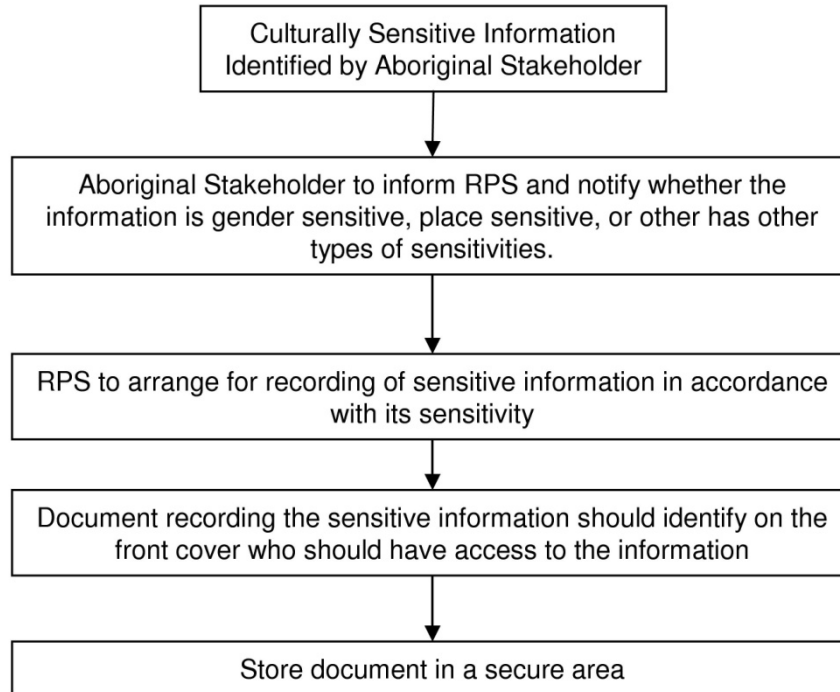
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**Figure 3 Culturally Sensitive Information Protocol**







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RPS Australia East Pty Ltd ABN 44 140 292 762  
A member of the RPS Group Plc

Attn: Gordon Griffiths  
Wonnarua Cultural Services  
19 O'Donnell Crescent  
Metford 2323

**Date:** 11 July 2018  
**Our ref:** 139511  
**Via:** Letter

Dear Gordon Griffiths

**Subject: Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology**

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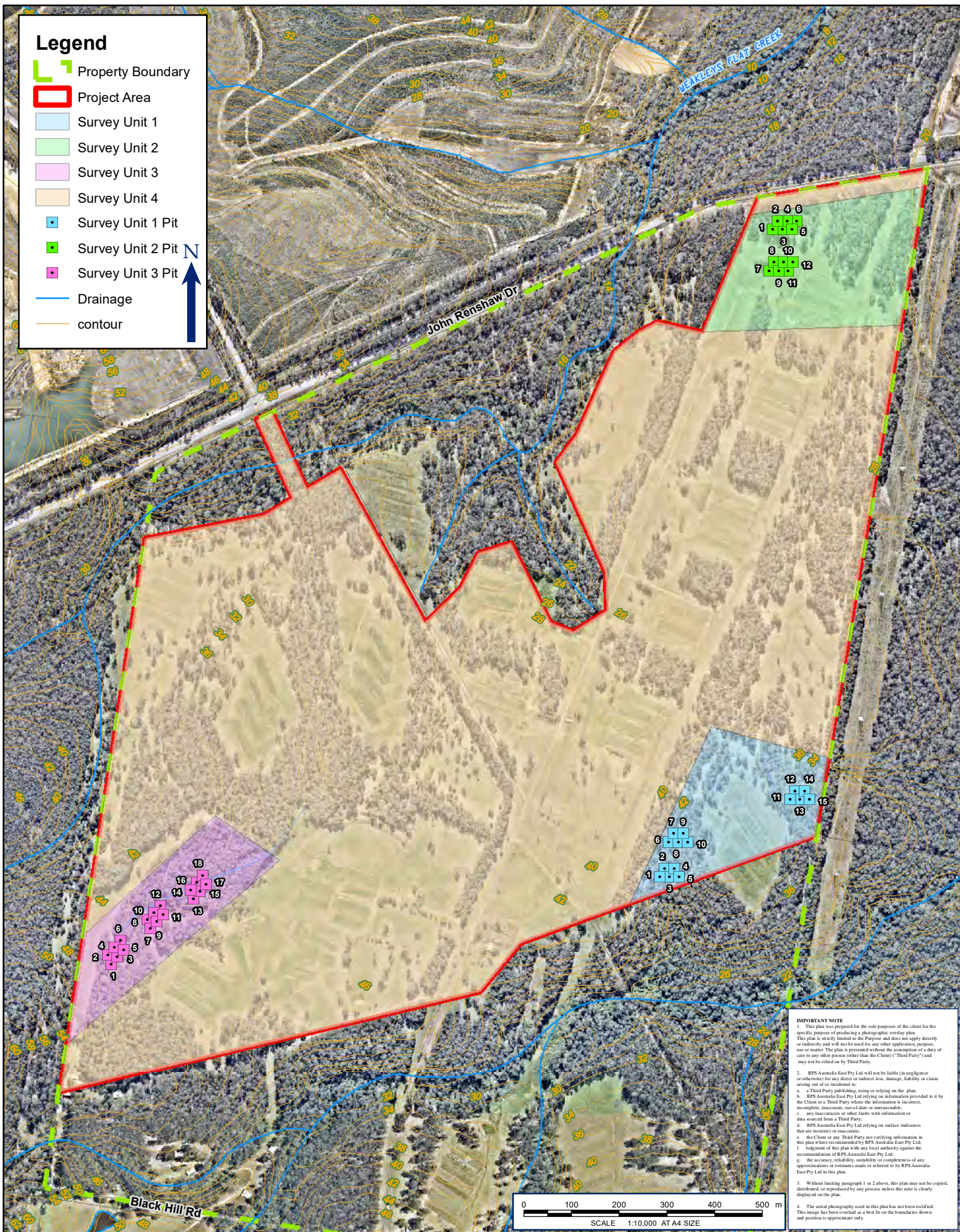
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RPS invites Aboriginal stakeholders to provide culturally appropriate information verbally or in writing with regards to this project (a feedback form is attached and may be used as necessary). This includes any places of cultural value which may or may not contain archaeological material.

Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 3), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

As part of this methodology Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.





**FIGURE 4: PROJECT AREA WITH PROPOSED TEST EXCAVATION UNITS**

LOCATION:	BLACK HILL	DATUM:	GDA94
JOB NO.:	PR 139511	PROJECTION:	MGA Zone 56
PURPOSE:	HERITAGE	Data Sources:	RPS, Client
Technician:	james.hugo	Land and Property	2015
		Date:	21/2/2018

CLIENT: BROADEN MANAGEMENT PTY LTD

RPS AUSTRALIA EAST PTY LTD (ABN 44 140 292 762)  
241 DENISON STREET BROADMEADOW PO BOX 428 HAMILTON NSW 2303  
T: 02 4940 4200 F: 02 4961 6794 www.rpsgroup.com.au

**RPS**



## Methodology for Fieldwork

Fieldwork will be conducted in accordance with the requirements set out in the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010) and will comprise a targeted test excavation within three areas identified as potentially containing sub-surface artefacts.

## Test Excavation

Three areas of archaeological sensitivity were identified during the RPS visual inspection conducted in 2013. All three sites will be subject to an archaeological test excavation and are shown in Figure 1.

Test excavation under the *Code of Practice for Archaeological investigation of Aboriginal Objects in New South Wales* (Code of Practice) aims to collect information about the nature and extent of sub-surface Aboriginal objects based on a sample derived from sub-surface investigations. Test excavations contribute to the understanding of site characteristics and local and regional prehistory and they can be used to inform conservation goals and harm mitigation measures for the proposed activity (DECCW 2010:24). The test excavation results are also used for specifying how much subsurface salvage is required as part of the AHIP.

### Field Methods

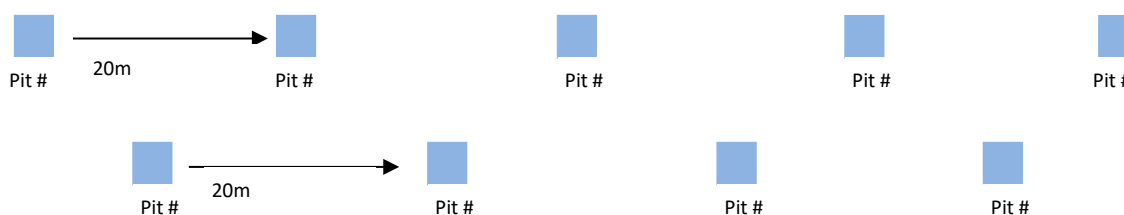
The following field test excavation methods have been prepared in accordance with Requirement 16 of the Code of Practice.

Pits will be hand excavated and will be 0.5m x 0.5m in dimension. The first pit will be excavated in 5cm spits, based on evidence of this excavation unit, 10cm spits may be implemented. If distinct features are identified, then pits may be excavated stratigraphically. All material excavated will be sieved using a 5mm aperture sieve. The excavation of individual pits will cease once clay has been reached or after two consecutive sterile spits have been excavated. For safety reasons pits will not be excavated beyond a metre depth.

Test Excavations may also be stopped if suspected human remains have been encountered; or, enough information has been recovered to adequately characterise the objects present. This may include:

- Locally or regionally high object density;
- Presence of rare or representative objects;
- Presence of archaeological features or locally or regionally significant deposits, stratified or not.

In order to meet these aims, pits will be excavated along staggered transects. It is anticipated pits at 20 metre intervals will be sufficient to cover the identified PAD area, however this may vary depending on environmental constraints and varying PAD sizes.





The following methods will also be employed:

- Hand excavation using shovels, trowels and other manual tools.
- Photographs with scale will be used to document stratigraphy and/or soil profile at each pit, stratigraphic drawings will be used to document soil changes.
- Test excavation pits will each be back-filled as soon as practicable following completion of excavation

#### Cessation of Test Excavation

- As per requirement 17 under the Code of Practice test excavations will cease when: suspected human remains are encountered; or
- Enough information has been recovered to adequately characterise the objects present with regard to their nature and significance and/or the threshold of 0.5% of the site has been investigated (requirement 16a).

## Recording and Storage of the Archaeological Material

### Aboriginal Objects Recovered During Test Excavations

Any Aboriginal objects that are moved during test excavation will be reburied as soon as practicable or stored in a secure temporary storage location in accordance with Requirement 26 of the Code of Practice pending any agreement reached as to the long-term management of the salvaged Aboriginal objects.

Procedures will be put in place so that Aboriginal objects that are reburied are not harmed.

The location of the secure temporary storage location will be submitted to AHIMS with a site update record card if new sites are identified.

For Aboriginal objects kept or returned to the location they originated from:

A full catalogue, including photographic and drawn records for diagnostic stone artefacts, will be produced and will include.

- The catalogue will be in printed form but may also include an electronic database in the form of a table containing all records.
- All stone artefacts will be individually bagged or bagged in appropriate and identifiable units (e.g. excavation or collection units) that can be referenced back to the catalogue.
- The stone artefacts will be stored in good quality, plastic zip-lock bags.
- The bags will be externally labelled using permanent marker, and an 'independent' label on robust material will be placed inside each bag.
- The collection will be placed in a suitable impervious and permanent container and labelled appropriately.
- A full record of the final location of the collection will include:
  - Grid co-ordinates derived as set out in Requirement 8, of Code of Practice for Archaeological Investigation of Aboriginal Objects (2010), NSW
  - A site plan or mud map referring to permanent features
  - Depth of burial, if buried
  - Full photographic record of the disposition.



- The record will be submitted to AHIMS with a site update record card if the areas investigated are AHIMS registered sites.

### Artefact Recording

Artefacts will be recorded in an appropriate manner: where possible the length, width, thickness and weight of artefacts will be recorded as well as artefact type and raw material where applicable. Additional recording and analysis will be undertaken as required.

### Photographic Recording

Diagnostic artefacts and archaeological material will be photographed using graded metric scales. Photographic recording of the excavation fieldwork and soils profiles will also be undertaken.

### Storage of Archaeological Material

Archaeological material will be stored temporarily at the RPS offices at 241 Denison Broadmeadow until analysis of the artefacts has concluded. Once this has been completed, artefacts will be re-buried onsite.

### Process for Gathering Information about Cultural Significance

In order to gather information about cultural significance, Aboriginal stakeholders will be provided with a number of opportunities to have input into the heritage assessment and management process. These opportunities are summarised on the following page and will be briefly outlined here.

This letter has outlined the nature of the project including mapping, heritage assessment methodology and protocols for handling culturally sensitive information. A feedback form is attached to this letter which can be used to provide input into the assessment methodology.

A pre-fieldwork meeting (usually on the morning of the first day of survey) will provide an opportunity to meet the RPS survey team and opportunity to review the maps of the Project Area, the previously recorded Aboriginal sites from AHIMS, as well as discuss field survey methods and any cultural information relevant to the project. The pre-fieldwork meeting will involve two steps: the first will be a group discussion; the second will allow the opportunity for individual discussions with each stakeholder group. This second step is to identify if there is any confidential cultural information which should not be made public. The steps/levels of consultation will be made available throughout the process. Minutes of the meetings will be kept and agreed upon by all parties.

A toolbox talk will be conducted each morning before field work commences and the opportunity will be given to raise any issues or comment on the fieldwork progress.

A post field work meeting will be conducted on the last day of field work. This meeting will outline the areas which have been surveyed, a summary of Aboriginal sites observed (if applicable) and the discussion of cultural significance. In particular there will be an opportunity to discuss the criteria for the assessment of significance outlined in the OEH guidelines (2011:7-11):

- Social;
- Historic; and,
- Aesthetic

Another opportunity for the assessment of significance will be provided during the review of the draft report.

The draft report will be sent to Aboriginal stakeholders and the opportunity to assess the significance of Aboriginal sites identified in the Project Area will be provided. An opportunity for feedback on any aspects of the assessment will also be provided at this stage. Aboriginal stakeholders will be provided with the draft report for comment over a **28-day review period**, as per page 14 of the ACHCRs.

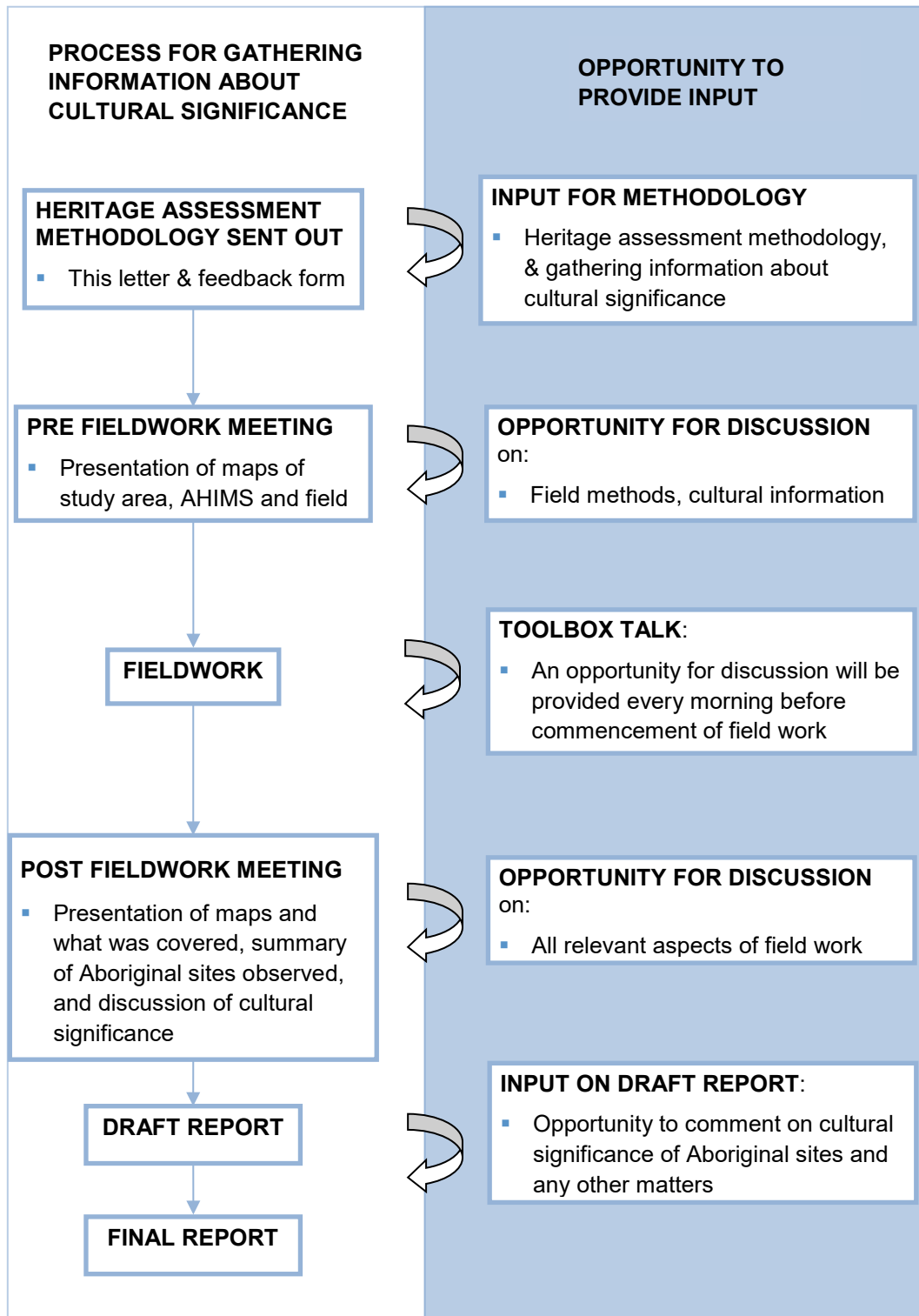






Cultural information provided by Aboriginal stakeholders will be recorded in the Aboriginal consultation log and discussed in the report, unless the information is too sensitive to be made public. If this is the case, the attached protocol will be adopted (Figure 2), or another protocol adopted as agreed by the Aboriginal stakeholder/s.

**Figure 2 Summary of Process for Gathering information about Cultural Significance and Opportunities for Registered Parties' Input**







## Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Aboriginal Cultural Heritage Assessment Report, I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:


Name.....

Registered Organisation.....

Signature.....

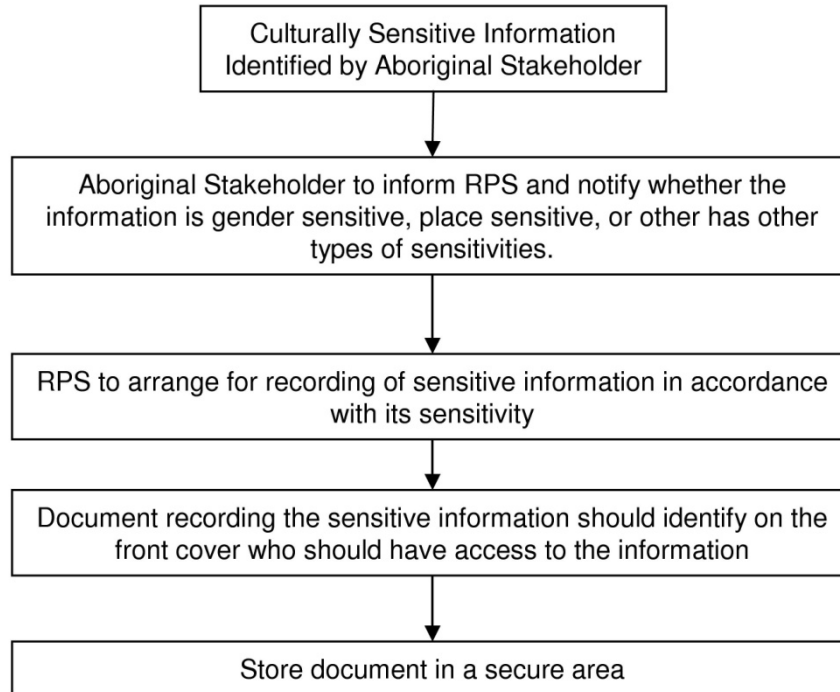
Date.....

Please send this document signed within 28 days back to **CLH personnel** via:

- **Fax:** 02 4961 6794
- **Post:** PO Box 428, Hamilton NSW 2303
- **Email:** [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



**Figure 3 Culturally Sensitive Information Protocol**



## Alex Byrne

---

**From:** didgengunawalclan@yahoo.com.au  
**Sent:** Friday, 13 July 2018 10:45 AM  
**To:** Benjamin Slack  
**Subject:** [EXT] Paperwork for methodology

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Thanks Ben,

Hope to see ya soon



Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report,  
Black Hill NSW

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Aboriginal Cultural Heritage Assessment Report, I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:

DNC cannot make any amendments to the methodology as we are happy with it.  
DNC are a hard working organisation that has worked with a lot of Archaeological companies and is fully insured.  
We hope to see you soon on this project.

Name..... Paul Boyd  
Registered Organisation..... Didge Ngunawal Clan  
Signature.....  
Date..... 13.7.18

Please send this document signed within 28 days back to CLH personnel via:

- Fax: 02 4961 6794
- Post: PO Box 428, Hamilton NSW 2303
- Email: [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)



## Alex Byrne

---

**From:** cacatua4service@tpg.com.au  
**Sent:** Wednesday, 18 July 2018 12:22 PM  
**To:** Benjamin Slack  
**Subject:** [EXT] Black Hill test Excavation Methodology

Ben,

Thank you for the supply of information with the Aboriginal Cultural Heritage Assessment Report, Black Hill Test Excavation Methodology.

**Cacatua and AGA Services** have had a meeting this morning with regards to the above with the information that was supplied.

All staff were present from Cacatua and AGA and both groups support the Methodology.

Agree 10  
disagree 0

Thank you  
George

## Alex Byrne

---

**From:** Gidawaa Walang Cultural Heritage Consultancy <gidawaa.walang@hotmail.com>  
**Sent:** Friday, 20 July 2018 3:45 PM  
**To:** Benjamin Slack  
**Subject:** [EXT] Black Hill methodology feedback  
**Attachments:** Methodology Feedback for Black Hill.jpg

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Ben,

Please find attached Methodology feedback For Black Hill

Regards,  
Craig Horne.  
Cultural Project Officer

### **Gidawaa Walang Cultural Heritage Consultancy**

trading name of Barkuma Neighbourhood Centre Inc.  
76 Lang Street, Kurri Kurri 2327 | Phone: 02 4937 1094  
[www.barkuma.org](http://www.barkuma.org) | Fax: 02 4936 4449



### Aboriginal Feedback Form for the Aboriginal Cultural Heritage Assessment Report, Black Hill NSW

I have been sent information regarding the proposed heritage assessment methodology, including protocols for the management of sensitive cultural information, for the Aboriginal Cultural Heritage Assessment Report, I seek to endorse the proposed methodology, unless otherwise stated below, or with the following amendments:

After community consultation, we endorse the proposed methodology. Thankyou for the chance to have input with ACHAR and The proposed methodology.

Name..... Craig Horne .....  
Registered Organisation..... BARKUMIA N E TJA GIDAWAA WALANG CHC .....  
Signature..... CCHC .....  
Date..... 20-7-2018 .....

Please send this document signed within 28 days back to **CLH personnel** via:

- **Fax:** 02 4961 6794
- **Post:** PO Box 428, Hamilton NSW 2303
- **Email:** [ben.slack@rpsgroup.com.au](mailto:ben.slack@rpsgroup.com.au)

## Alex Byrne

---

**From:** Suzie Worth <suzieworth17@bigpond.com>  
**Sent:** Monday, 13 August 2018 10:35 PM  
**To:** Benjamin Slack  
**Cc:** Arthur Fletcher  
**Subject:** [EXT] Black Hill Test Excavation Methodology ACHA Report  
**Attachments:** RPS Black Hill ACHA Test Excavation Methodology 130818.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Ben

Attached is a letter for your attention.

Kind regards,  
Suzie Worth  
For Arthur Fletcher  
Kauwul Wonn1



**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200  
**D** 4940 4223

RPS Australia East Pty Ltd  
A member of the RPS Group Plc

Attn: Ashley, Gregory and Adam Sampson  
AGA Services  
22 Ibis Pde  
Woodberry NSW 2322

**Date:** 9 August 2018  
**Our ref:** PR139511  
**Via:** Email

Dear Ashley, Gregory and Adam

**Lot 1131 DP1057179 Black Hill: Invitation to Test Excavation**

RPS intends to undertake test excavation works at Lot 1131 DP1057179 in accordance with the methodology provided to registered Aboriginal parties on 11 July 2018 and incorporating comments received regarding this methodology where practicable. The purpose of the test excavations is to determine the presence or absence of archaeological deposits in areas of sensitivity identified during due diligence investigations undertaken in 2013 and 2018. The works will be undertaken in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).

The test excavation is expected to take approximately 12 days, commencing on Tuesday 4 September 2018 and concluding in Wednesday 19 September 2018. Three sites officers will be required each day. In order to provide an opportunity to work on site for all groups who responded to the methodology, RPS will employ a roster-based system. As such, one sites officer is requested from your organisation on the following dates:

- Tuesday 4 September
- Wednesday 5 September
- Thursday 6 September
- Wednesday 12 September
- Thursday 13 September
- Friday 14 September





## Requirements:

- Please provide a copy of your updated Certificates of Currency for Workers Compensation and Public Liability Insurance by Friday 31 August 2018. **Note: If you do not have valid insurances/do not provide valid certificates your site officer will not be permitted to attend the field survey. This is a legal requirement.**
- Please provide a name and contact phone number for your nominated sites officer, as well as an emergency contact, by Friday 31 August 2018
- Sites officer must bring their own PPE including:
  - Sun hat;
  - High visibility clothing;
  - Safety boots;
  - Safety glasses;
  - Long sleeved shirt and long pants;
  - Sunscreen; and
  - Gloves (sieving gloves will be provided)
- Sites officer to provide their own food and water to last the day. We expect to be on site from 730am until 330pm, with one 15 morning tea minute break and one 30 lunch minute break.

## Details

**Location:** Meet at Black Hill Road, Black Hill – there is an intersection opposite 340 Black Hill Road, we will park on the side road (unnamed) as shown on the attached image.

**Date/s: as above**

**Time:** 7:30am

**RPS Contact:** Alex Byrne 0438 117 685 or Ben Slack 0418 318 553

**Client for billing purposes:** Fairfield Road Property Pty Ltd and G.F.P.T.Y. Limited, Level 2 / 407 Pacific Highway, Artarmon NSW 2064. Attn: Denese Pluznyk

## Cultural Information

RPS recognises that Aboriginal people are the custodians of their own cultural information. As such, we invite you to provide us with any relevant cultural information regarding this project area at any time during the completion of this project, by email, phone or in person. We also understand that some cultural information is sensitive and must remain confidential. As such we have a number of procedures in place to assist with this. Please contact us at any time if you would like to discuss.



## Conclusion

It is important that RPS is aware of your attendance for the test excavation. Could you please inform RPS by **Friday the 31st of August 2018** if you (or your sites officer) will or will not be attending the test excavation.

We trust this information is sufficient for your purposes; however, should you require further details or clarification, please do not hesitate to contact us.

Yours sincerely

**RPS**

A handwritten signature in black ink that reads 'A Byrne'.

Alex Byrne

Senior Heritage Consultant

[Alex.byrne@rpsgroup.com.au](mailto:Alex.byrne@rpsgroup.com.au)

(02) 4940 4200

0438 117 685







Wonn1  
Entity of Kauwul Pty Ltd

619 Main Road Glendale, 2285

PHONE: 0249547751 Mobile: 0402146193

ABN: 27 153 953 363

13 August 2018

Mr B Slack  
RPS Australia  
PO Box 428  
HAMILTON NSW 2303  
Email: CLH@rpsgroup.com.au

Dear Ben

**RE: COMMENTS ON THE BLACK HILL TEST EXCAVATION METHODOLOGY:  
ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT**

Thank you for providing us with the above document dated 11 July 2018 for comment.

We wish to advise that we agree with the methodology and trust that this was decided upon at the time of the cultural heritage assessment fieldwork. Although we do appreciate the opportunity to comment, we are not prepared to offer our views as to the cultural significance of the area or findings at this stage. This will be provided if we are included in the on-the-ground fieldwork and management decision-making phases during the test excavation phase of the project.

Once again we thank you for this opportunity to comment and look forward to continuing the consultation process with your organisation on future projects.

Kind regards

Suzie Worth  
For Arthur C Fletcher  
Wonn1 (Kauwul Pty Ltd)



**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200  
**D** 4940 4223

RPS Australia East Pty Ltd  
A member of the RPS Group Plc

Attn: Donna and George Sampson  
Cacatua Culture Consultants  
22 Ibis Pde  
Woodberry NSW 2322

**Date:** 9 August 2018  
**Our ref:** PR139511  
**Via:** Email

Dear Donna and George

**Lot 1131 DP1057179 Black Hill: Invitation to Test Excavation**

RPS intends to undertake test excavation works at Lot 1131 DP1057179 in accordance with the methodology provided to registered Aboriginal parties on 11 July 2018 and incorporating comments received regarding this methodology where practicable. The purpose of the test excavations is to determine the presence or absence of archaeological deposits in areas of sensitivity identified during due diligence investigations undertaken in 2013 and 2018. The works will be undertaken in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).

The test excavation is expected to take approximately 12 days, commencing on Tuesday 4 September 2018 and concluding Wednesday 19 September 2018. Three sites officers will be required each day. In order to provide an opportunity to work on site for all groups who responded to the methodology, RPS will employ a roster based system. As such, one sites officer is requested from your organisation on the following dates:

- Tuesday 4 September
- Wednesday 5 September
- Tuesday 11 September
- Wednesday 12 September
- Thursday 13 September
- Wednesday 19 September



## Requirements:

- Please provide a copy of your updated Certificates of Currency for Workers Compensation and Public Liability Insurance by Friday 31 August 2018. **Note: If you do not have valid insurances/do not provide valid certificates your site officer will not be permitted to attend the field survey. This is a legal requirement.**
- Please provide a name and contact phone number for your nominated sites officer, as well as an emergency contact, by Friday 31 August 2018
- Sites officer must bring their own PPE including:
  - Sun hat;
  - High visibility clothing;
  - Safety boots;
  - Safety glasses;
  - Long sleeved shirt and long pants;
  - Sunscreen; and
  - Gloves (sieving gloves will be provided)
- Sites officer to provide their own food and water to last the day. We expect to be on site from 730am until 330pm, with one 15 morning tea minute break and one 30 lunch minute break.

## Details

**Location:** Meet at Black Hill Road, Black Hill – there is an intersection opposite 340 Black Hill Road, we will park on the side road (unnamed) as shown on the attached image.

**Date/s: as above**

**Time:** 7:30am

**RPS Contact:** Alex Byrne 0438 117 685 or Ben Slack 0418 318 553

**Client for billing purposes:** Fairfield Road Property Pty Ltd and G.F.P.T.Y. Limited, Level 2 / 407 Pacific Highway, Artarmon NSW 2064. Attn: Denese Pluznyk

## Cultural Information

RPS recognises that Aboriginal people are the custodians of their own cultural information. As such, we invite you to provide us with any relevant cultural information regarding this project area at any time during the completion of this project, by email, phone or in person. We also understand that some cultural information is sensitive and must remain confidential. As such we have a number of procedures in place to assist with this. Please contact us at any time if you would like to discuss.





## Conclusion

It is important that RPS is aware of your attendance for the test excavation. Could you please inform RPS by **Friday the 31st of August 2018** if you (or your sites officer) will or will not be attending the test excavation.

We trust this information is sufficient for your purposes; however, should you require further details or clarification, please do not hesitate to contact us.

Yours sincerely

**RPS**

A handwritten signature in black ink that reads 'A Byrne'.

Alex Byrne

Senior Heritage Consultant

[Alex.byrne@rpsgroup.com.au](mailto:Alex.byrne@rpsgroup.com.au)

(02) 4940 4200

0438 117 685



**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200  
**D** 4940 4223

RPS Australia East Pty Ltd  
A member of the RPS Group Plc

Attn: Paul Boyde and Lilly Carroll  
Didge Ngunawal Clan  
7 Sissen St  
Quakers Hill NSW 2763

**Date:** 9 August 2018  
**Our ref:** PR139511  
**Via:** Email

Dear Paul and Lilly

**Lot 1131 DP1057179 Black Hill: Invitation to Test Excavation**

RPS intends to undertake test excavation works at Lot 1131 DP1057179 in accordance with the methodology provided to registered Aboriginal parties on 11 July 2018 and incorporating comments received regarding this methodology where practicable. The purpose of the test excavations is to determine the presence or absence of archaeological deposits in areas of sensitivity identified during due diligence investigations undertaken in 2013 and 2018. The works will be undertaken in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).

The test excavation is expected to take approximately 12 days, commencing on Tuesday 4 September 2018 and concluding Wednesday 19 September 2018. Three sites officers will be required each day. In order to provide an opportunity to work on site for all groups who responded to the methodology, RPS will employ a roster based system. As such, one sites officer is requested from your organisation on the following dates:

- Tuesday 4 September
- Monday 10 September
- Tuesday 11 September
- Wednesday 12 September
- Tuesday 18 September
- Wednesday 19 September



## Requirements:

- Please provide a copy of your updated Certificates of Currency for Workers Compensation and Public Liability Insurance by Friday 31 August 2018. **Note: If you do not have valid insurances/do not provide valid certificates your site officer will not be permitted to attend the field survey. This is a legal requirement.**
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**Date/s: as above**

**Time:** 7:30am

**RPS Contact:** Alex Byrne 0438 117 685 or Ben Slack 0418 318 553

**Client for billing purposes:** Fairfield Road Property Pty Ltd and G.F.P.T.Y. Limited, Level 2 / 407 Pacific Highway, Artarmon NSW 2064. Attn: Denese Pluznyk

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## Conclusion

It is important that RPS is aware of your attendance for the test excavation. Could you please inform RPS by **Friday the 31<sup>st</sup> of August 2018** if you (or your sites officer) will or will not be attending the test excavation.

We trust this information is sufficient for your purposes; however, should you require further details or clarification, please do not hesitate to contact us.

Yours sincerely

**RPS**

A handwritten signature in black ink that reads 'A Byrne'.

Alex Byrne

Senior Heritage Consultant

[Alex.byrne@rpsgroup.com.au](mailto:Alex.byrne@rpsgroup.com.au)

(02) 4940 4200

0438 117 685





**Newcastle Office**

Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200  
**D** 4940 4223

RPS Australia East Pty Ltd  
A member of the RPS Group Plc

Attn: Ann Hickey and Debbie Dacey-Sullivan  
Gidawaa Walang and Barkuma Neighbourhood Centre Inc  
76 Lang St  
Kurri Kurri NSW 2327

**Date:** 9 August 2018  
**Our ref:** PR139511  
**Via:** Email

Dear Ann and Debbie

**Lot 1131 DP1057179 Black Hill: Invitation to Test Excavation**

RPS intends to undertake test excavation works at Lot 1131 DP1057179 in accordance with the methodology provided to registered Aboriginal parties on 11 July 2018 and incorporating comments received regarding this methodology where practicable. The purpose of the test excavations is to determine the presence or absence of archaeological deposits in areas of sensitivity identified during due diligence investigations undertaken in 2013 and 2018. The works will be undertaken in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).

The test excavation is expected to take approximately 12 days, commencing on Tuesday 28 August 2018 and concluding in early September 2018. Three sites officers will be required each day. In order to provide an opportunity to work on site for all groups who responded to the methodology, RPS will employ a roster based system. As such, one sites officer is requested from your organisation on the following dates:

- Wednesday 5 September
- Thursday 6 September
- Friday 7 September
- Thursday 13 September
- Friday 14 September
- Monday 17 September



## Requirements:

- Please provide a copy of your updated Certificates of Currency for Workers Compensation and Public Liability Insurance by Friday 31 August 2018. **Note: If you do not have valid insurances/do not provide valid certificates your site officer will not be permitted to attend the field survey. This is a legal requirement.**
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**Date/s: as above**

**Time:** 7:30am

**RPS Contact:** Alex Byrne 0438 117 685 or Ben Slack 0418 318 553

**Client for billing purposes:** Fairfield Road Property Pty Ltd and G.F.P.T.Y. Limited, Level 2 / 407 Pacific Highway, Artarmon NSW 2064. Attn: Denese Pluznyk

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## Conclusion

It is important that RPS is aware of your attendance for the test excavation. Could you please inform RPS by **Friday the 31<sup>st</sup> of August 2018** if you (or your sites officer) will or will not be attending the test excavation.

We trust this information is sufficient for your purposes; however, should you require further details or clarification, please do not hesitate to contact us.

Yours sincerely

**RPS**

A handwritten signature in black ink that reads 'A Byrne'.

Alex Byrne

Senior Heritage Consultant

[Alex.byrne@rpsgroup.com.au](mailto:Alex.byrne@rpsgroup.com.au)

(02) 4940 4200

0438 117 685







**Newcastle Office**  
Ground Floor, 241 Denison Street, Broadmeadow NSW 2292  
PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200  
**D** 4940 4223

RPS Australia East Pty Ltd  
A member of the RPS Group Plc

Attn: Jason Brown  
Mindaribba LALC  
1A Chelmsford Dr  
East Maitland NSW 2323

**Date:** 9 August 2018  
**Our ref:** PR139511  
**Via:** Email

Dear Jason

**Lot 1131 DP1057179 Black Hill: Invitation to Test Excavation**

RPS intends to undertake test excavation works at Lot 1131 DP1057179 in accordance with the methodology provided to registered Aboriginal parties on 11 July 2018 and incorporating comments received regarding this methodology where practicable. The purpose of the test excavations is to determine the presence or absence of archaeological deposits in areas of sensitivity identified during due diligence investigations undertaken in 2013 and 2018. The works will be undertaken in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).

The test excavation is expected to take approximately 12 days, commencing on Tuesday 4 September 2018 and concluding Wednesday 19 September 2018. Three sites officers will be required each day. In order to provide an opportunity to work on site for all groups who responded to the methodology, RPS will employ a roster based system. As such, one sites officer is requested from your organisation on the following dates:

- Thursday 6 September
- Friday 7 September
- Monday 10 September
- Friday 14 September
- Monday 7 September
- Tuesday 18 September



## Requirements:

- Please provide a copy of your updated Certificates of Currency for Workers Compensation and Public Liability Insurance by Friday 31 August 2018. **Note: If you do not have valid insurances/do not provide valid certificates your site officer will not be permitted to attend the field survey. This is a legal requirement.**
- Please provide a name and contact phone number for your nominated sites officer, as well as an emergency contact, by Friday 31 August 2018
- Sites officer must bring their own PPE including:
  - Sun hat;
  - High visibility clothing;
  - Safety boots;
  - Safety glasses;
  - Long sleeved shirt and long pants;
  - Sunscreen; and
  - Gloves (sieving gloves will be provided)
- Sites officer to provide their own food and water to last the day. We expect to be on site from 730am until 330pm, with one 15 morning tea minute break and one 30 lunch minute break.

## Details

**Location:** Meet at Black Hill Road, Black Hill – there is an intersection opposite 340 Black Hill Road, we will park on the side road (unnamed) as shown on the attached image.

**Date/s: as above**

**Time:** 7:30am

**RPS Contact:** Alex Byrne 0438 117 685 or Ben Slack 0418 318 553

**Client for billing purposes:** Fairfield Road Property Pty Ltd and G.F.P.T.Y. Limited, Level 2 / 407 Pacific Highway, Artarmon NSW 2064. Attn: Denese Pluznyk

## Cultural Information

RPS recognises that Aboriginal people are the custodians of their own cultural information. As such, we invite you to provide us with any relevant cultural information regarding this project area at any time during the completion of this project, by email, phone or in person. We also understand that some cultural information is sensitive and must remain confidential. As such we have a number of procedures in place to assist with this. Please contact us at any time if you would like to discuss.





## Conclusion

It is important that RPS is aware of your attendance for the test excavation. Could you please inform RPS by **Friday the 31<sup>st</sup> of August 2018** if you (or your sites officer) will or will not be attending the test excavation.

We trust this information is sufficient for your purposes; however, should you require further details or clarification, please do not hesitate to contact us.

Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'A Byrne'.

Alex Byrne

Senior Heritage Consultant

[Alex.byrne@rpsgroup.com.au](mailto:Alex.byrne@rpsgroup.com.au)

(02) 4940 4200

0438 117 685





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PO Box 428, Hamilton NSW 2303  
**T** +61 2 4940 4200  
**D** 4940 4223

RPS Australia East Pty Ltd  
A member of the RPS Group Plc

Attn: Steve Talbot

73 Kiah Rd  
Gillieston Hts NSW 2321

**Date:** 9 August 2018  
**Our ref:** PR139511  
**Via:** Email

Dear Steve

**Lot 1131 DP1057179 Black Hill: Invitation to Test Excavation**

RPS intends to undertake test excavation works at Lot 1131 DP1057179 in accordance with the methodology provided to registered Aboriginal parties on 11 July 2018 and incorporating comments received regarding this methodology where practicable. The purpose of the test excavations is to determine the presence or absence of archaeological deposits in areas of sensitivity identified during due diligence investigations undertaken in 2013 and 2018. The works will be undertaken in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).

The test excavation is expected to take approximately 12 days, commencing on Tuesday 4 September 2018 and concluding Wednesday 19 September 2018. Three sites officers will be required each day. In order to provide an opportunity to work on site for all groups who responded to the methodology, RPS will employ a roster-based system. As such, one sites officer is requested from your organisation on the following dates:

- Friday 7 September
- Monday 10 September
- Tuesday 11 September
- Monday 17 September
- Tuesday 18 September
- Wednesday 19 September





## Requirements:

- Please provide a copy of your updated Certificates of Currency for Workers Compensation and Public Liability Insurance by Friday 31 August 2018. **Note: If you do not have valid insurances/do not provide valid certificates your site officer will not be permitted to attend the field survey. This is a legal requirement.**
- Please provide a name and contact phone number for your nominated sites officer, as well as an emergency contact, by Friday 31 August 2018
- Sites officer must bring their own PPE including:
  - Sun hat;
  - High visibility clothing;
  - Safety boots;
  - Safety glasses;
  - Long sleeved shirt and long pants;
  - Sunscreen; and
  - Gloves (sieving gloves will be provided)
- Sites officer to provide their own food and water to last the day. We expect to be on site from 730am until 330pm, with one 15 morning tea minute break and one 30 lunch minute break.

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**RPS Contact:** Alex Byrne 0438 117 685 or Ben Slack 0418 318 553

**Client for billing purposes:** Fairfield Road Property Pty Ltd and G.F.P.T.Y. Limited, Level 2 / 407 Pacific Highway, Artarmon NSW 2064. Attn: Denese Pluznyk

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## Conclusion

It is important that RPS is aware of your attendance for the test excavation. Could you please inform RPS by **Friday the 31<sup>st</sup> of August 2018** if you (or your sites officer) will or will not be attending the test excavation.

We trust this information is sufficient for your purposes; however, should you require further details or clarification, please do not hesitate to contact us.

Yours sincerely

**RPS**

A handwritten signature in black ink, appearing to read 'A Byrne'.

Alex Byrne

Senior Heritage Consultant

[Alex.byrne@rpsgroup.com.au](mailto:Alex.byrne@rpsgroup.com.au)

(02) 4940 4200

0438 117 685





## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:11 PM  
**To:** 'cacatua4service@tpg.com.au'  
**Subject:** Black Hill ACHAR AS

Good afternoon Ashley,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

Unit 2A, 45 Fitzroy Street, Carrington, NSW, Australia, 2294  
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**W:** [rpsgroup.com.au](http://rpsgroup.com.au)

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:30 PM  
**To:** 'tracey@marrung-pa.com.au'  
**Subject:** Black Hill ACHAR

Good afternoon Tracey,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:10 PM  
**To:** 'cacatua4service@tpg.com.au'  
**Subject:** Black Hill ACHAR GS

Good afternoon George,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:25 PM  
**To:** 'deckavale@hotmail.com'  
**Subject:** Black Hill ACHAR DV

Good afternoon Derrick,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Drago



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:07 PM  
**To:** 'didgengunawalclan@yahoo.com.au'  
**Subject:** Black Hill ACHAR PB

Hi Paul,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:12 PM  
**To:** 'gidawaa.walang@hotmail.com'  
**Subject:** Black Hill ACHAR CH

Good afternoon Craig,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:14 PM  
**To:** 'tn.miller@southernphone.com.au'  
**Subject:** Black Hill ACHAR

Good afternoon Tom,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Drago



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:16 PM  
**To:** 'cultureandheritage@mindaribbalalc.org'  
**Subject:** Black Hill ACHAR JB

Good afternoon Jason,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Drago



**Dragomir Garbov**  
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**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:05 PM  
**To:** 'gomeroi.namoi@outlook.com'  
**Cc:** Alex Byrne  
**Subject:** Black Hill ACHAR ST

Good afternoon Steve,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:15 PM  
**To:** 'admin@ungooroo.com.au'  
**Subject:** Black Hill ACHAR AP

Good afternoon Allen,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Drago



**Dragomir Garbov**  
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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:09 PM  
**To:** 'valleyelmc corp@bigpond.com'  
**Subject:** Black Hill ACHAR IA

Good afternoon Irene,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:13 PM  
**To:** mareewaugh30@hotmail.com  
**Subject:** Black Hill ACHAR MW

Good afternoon Maree,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:08 PM  
**To:** 'deshickey@bigpond.com'  
**Subject:** Black Hill ACHAR DH

Good afternoon Des,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Dragomir



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

Unit 2A, 45 Fitzroy Street, Carrington, NSW, Australia, 2294  
PO Box 120, Carrington, NSW, 2294

**T:** +61 2 4940 4200

**F:** +61 2 4940 4299

**E:** [Dragomir.Garbov@rpsgroup.com.au](mailto:Dragomir.Garbov@rpsgroup.com.au)

**W:** [rpsgroup.com.au](http://rpsgroup.com.au)

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## Alex Byrne

---

**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:26 PM  
**To:** 'wonn1sites@gmail.com'  
**Subject:** Black Hill ACHAR Wonn1

Dear Suzie and Arthur,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Drago



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

Unit 2A, 45 Fitzroy Street, Carrington, NSW, Australia, 2294  
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## Alex Byrne

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**From:** Dragomir Garbov  
**Sent:** Thursday, 8 November 2018 3:24 PM  
**To:** 'dawnrichard@bigpond.com'  
**Subject:** Black Hill ACHAR RE

Good afternoon Richard,

Please find below a download link to the RPS Black Hill ACHAR:

<https://we.tl/t-WNeko1BMXK>

We kindly request your feedback by December 7 2018.

Cheers,  
Drago



**Dragomir Garbov**  
**Senior Archaeologist**  
**Australia Asia Pacific**

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## Appendix C

### AHIMS Extensive Search

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# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : pr139511

Client Service ID : 362518

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
38-4-0465	Site 6;Beresfield;	AGD	56	372300	6368250	Open site	Partially Destroyed	Artefact : -	Open Camp Site	4211,102222,1 02568,103090, 103619
	<u>Contact</u>	<u>Recorders</u>	Mr.Peter Kuskie,Mr.John Simpson					<u>Permits</u>	3432	
38-4-0466	Site 7;Beresfield;	AGD	56	372590	6368300	Open site	Valid	Artefact : -	Isolated Find	4211,102222,1 02568,103619
	<u>Contact</u>	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>		
38-4-0472	Site 1;Beresfield;	AGD	56	372380	6367130	Open site	Valid	Artefact : -	Isolated Find	4211,102222,1 02568
	<u>Contact</u>	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>		
38-4-0473	Site 2;Beresfield;	AGD	56	372650	6367770	Open site	Valid	Artefact : -	Isolated Find	4211,102222,1 02568
	<u>Contact</u>	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>		
38-4-0665	FMC3 Donaldson Mine	AGD	56	368300	6368900	Open site	Valid	Artefact : 5, Grinding Groove : 1		98344
	<u>Contact</u>	<u>Recorders</u>	Sue Effenberger					<u>Permits</u>		
38-4-0666	FMC4 Donaldson Mine	AGD	56	368250	6368650	Open site	Valid	Artefact : 2		98344
	<u>Contact</u>	<u>Recorders</u>	Sue Effenberger					<u>Permits</u>	2809,3011	
38-4-0667	FMC5 Donaldson Mine	AGD	56	368500	6368700	Open site	Valid	Artefact : 3		98344
	<u>Contact</u>	<u>Recorders</u>	Sue Effenberger					<u>Permits</u>		
38-4-0668	FMC6 Donaldson Mine	AGD	56	368400	6366100	Open site	Valid	Artefact : 5		98344
	<u>Contact</u>	<u>Recorders</u>	Sue Effenberger					<u>Permits</u>		
38-4-0669	FMC7 Donaldson Mine	AGD	56	367600	6366500	Open site	Valid	Artefact : 3		98344
	<u>Contact</u>	<u>Recorders</u>	Sue Effenberger					<u>Permits</u>		
38-4-0670	FMC8 Donaldson Mine	AGD	56	367600	6366850	Open site	Valid	Modified Tree (Carved or Scarred) : 1		98344
	<u>Contact</u>	<u>Recorders</u>	Sue Effenberger					<u>Permits</u>		
38-4-0672	ISF3 Donaldson Mine	AGD	56	368700	6368625	Open site	Valid	Artefact : 1		98344
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited					<u>Permits</u>		
38-4-0673	ISF4 Donaldson Mine	AGD	56	370550	6368625	Open site	Valid	Artefact : 1		98344,102222
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited					<u>Permits</u>	1902	
38-4-0674	ISF5 Donaldson Mine	AGD	56	370275	6368625	Open site	Valid	Artefact : 1		98344,102222
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited					<u>Permits</u>	1902	
38-4-0675	ISF6 Donaldson Mine	AGD	56	370305	6368600	Open site	Valid	Artefact : 1		98344,102222
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited					<u>Permits</u>	1902	
38-4-0639	Donaldson Monitoring Site 5 (DMS5)	AGD	56	370665	6368177	Open site	Valid	Artefact : 1		102222

Report generated by AHIMS Web Service on 07/08/2018 for Cultural Heritage Rps Hamilton Team Administrator for the following area at Datum :GDA, Zone : 56, Eastings : 367570 - 372772, Northings : 6364485 - 6369384 with a Buffer of 0 meters. Additional Info : achar. Number of Aboriginal sites and Aboriginal objects found is 96

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# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : pr139511

Client Service ID : 362518

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>		
38-4-0640	Donaldson Monitoring Site 4 (DMS4)	AGD	56	368649	6368181	Open site	Valid	Artefact : 1		100960
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>		
38-4-0620	Donaldson Monitoring Site 3 (DMS3)	AGD	56	369090	6367962	Open site	Valid	Artefact : 1		100960
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>	1902	
38-4-0621	Donaldson Monitoring Site 2 (DMS2)	AGD	56	370966	6368184	Open site	Valid	Artefact : 1		102222,102398
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>	3144,3431	
38-4-1009	F2/A	AGD	56	368810	6366880	Open site	Valid	Artefact : 2		
	<u>Contact</u> T Russell	<u>Recorders</u>						<u>Permits</u>		
38-4-1010	A17/C	AGD	56	367920	6369120	Open site	Valid	Artefact : -		
	<u>Contact</u> T Russell	<u>Recorders</u>						<u>Permits</u>		
38-4-0987	A22/A	AGD	56	368730	6367650	Open site	Valid	Artefact : -, Grinding Groove : -		
	<u>Contact</u> T Russell	<u>Recorders</u>						<u>Permits</u>		
38-4-1008	A21/A	AGD	56	368510	6368460	Open site	Valid	Artefact : 3		
	<u>Contact</u> T Russell	<u>Recorders</u>						<u>Permits</u>		
38-4-0464	Site 5;Beresfield;	AGD	56	372350	6368170	Open site	Valid	Artefact : -	Open Camp Site	4211,102222,102568
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>		
38-4-0391	BS6;	AGD	56	372360	6369050	Open site	Partially Destroyed	Artefact : -	Open Camp Site	
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>	1066	
38-4-1287	CTGM1 AT1	GDA	56	371995	6368278	Open site	Partially Destroyed	Artefact : 1		103089
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>	3374	
38-4-1288	CTGM2 BL	GDA	56	370364	6368087	Open site	Destroyed	Artefact : -		103089
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>	3374	
38-4-1289	CTGM3 AT3	GDA	56	370646	6368123	Open site	Partially Destroyed	Artefact : -		103089
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>	3374	
38-4-1290	CTGM4 MC	GDA	56	370764	6368013	Open site	Valid	Artefact : 1		103089
	<u>Contact</u>	<u>Recorders</u>						<u>Permits</u>		
38-4-1210	Beresfield WP IF 1	GDA	56	372577	6368477	Open site	Destroyed	Artefact : 1		101939,102568,103090
	<u>Contact</u> Mindaribba Local Aboriginal L	<u>Recorders</u>						<u>Permits</u>	3432	
38-4-1211	Beresfield WP IF 2	GDA	56	372697	6368494	Open site	Destroyed	Artefact : 1		101939,102568,103090

Report generated by AHIMS Web Service on 07/08/2018 for Cultural Heritage Rps Hamilton Team Administrator for the following area at Datum :GDA, Zone : 56, Eastings : 367570 - 372772, Northings : 6364485 - 6369384 with a Buffer of 0 meters. Additional Info : achar. Number of Aboriginal sites and Aboriginal objects found is 96

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# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : pr139511

Client Service ID : 362518

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	<b>Contact</b>	Mindaribba Local Aboriginal L	<b>Recorders</b>	Doctor.Tim Owen,Kelleher Nightingale Consulting Pty Ltd,Ms.Cristany Milicich,Mr.J	<b>Permits</b>	3432				
38-4-1213	Beresfield WP IF 4	GDA	56	372505	6368467	Open site	Destroyed	Artefact : 1		101939,103090
	<b>Contact</b>	Mindaribba Local Aboriginal L	<b>Recorders</b>	Doctor.Tim Owen,Kelleher Nightingale Consulting Pty Ltd,Ms.Cristany Milicich,Mr.J	<b>Permits</b>	3432				
38-4-1215	Beresfield WP AS 2	AGD	56	370765	6368186	Open site	Destroyed	Artefact : 15		101939,103089
	<b>Contact</b>	Mindaribba Local Aboriginal L	<b>Recorders</b>	Doctor.Tim Owen,Mr.John Simpson	<b>Permits</b>	3374				
38-4-1216	CTGM PAD1	GDA	56	371146	6368548	Open site	Partially Destroyed	Potential Archaeological Deposit (PAD) : 1		101939,103089
	<b>Contact</b>		<b>Recorders</b>	Doctor.Tim Owen,Mr.John Simpson	<b>Permits</b>	3374				
38-4-1217	CTGM PAD2	GDA	56	372680	6368493	Open site	Partially Destroyed	Potential Archaeological Deposit (PAD) : 1		101939,102568,103090,103619
	<b>Contact</b>		<b>Recorders</b>	Doctor.Tim Owen,Mr.John Simpson	<b>Permits</b>	3432,3761				
38-4-1336	Black Hill 1	GDA	56	372098	6368010	Open site	Valid	Artefact : 1		
	<b>Contact</b>		<b>Recorders</b>	Doctor.Tim Owen,ERM Australia Pty Ltd- Sydney CBD	<b>Permits</b>					
38-4-1337	Black Hill 2	GDA	56	371914	6366664	Open site	Valid	Artefact : 3		
	<b>Contact</b>		<b>Recorders</b>	Doctor.Tim Owen,ERM Australia Pty Ltd- Sydney CBD	<b>Permits</b>					
38-4-1738	RPS BERESFIELD AS1	GDA	56	371672	6369070	Open site	Valid	Artefact : -		
	<b>Contact</b>		<b>Recorders</b>	RPS Australia East Pty Ltd -Hamilton	<b>Permits</b>					
38-4-1741	AVC5/A	GDA	56	370457	6366402	Open site	Valid	Artefact : -		
	<b>Contact</b>		<b>Recorders</b>	Mr.Corey O'Driscoll	<b>Permits</b>					
38-4-1742	AVC13/A	GDA	56	370524	6366621	Open site	Valid	Artefact : -		
	<b>Contact</b>		<b>Recorders</b>	Mr.Jason Barr	<b>Permits</b>					
38-4-1743	DIOCESE 1	GDA	56	370732	6366463	Open site	Valid	Artefact : -		
	<b>Contact</b>		<b>Recorders</b>	Mr.Corey O'Driscoll	<b>Permits</b>					
38-4-1744	DIOCESE 3	GDA	56	370202	6366294	Open site	Valid	Artefact : -		
	<b>Contact</b>		<b>Recorders</b>	Mr.Corey O'Driscoll	<b>Permits</b>					
38-4-1745	BLACK HILL M12RT 1	GDA	56	372719	6368413	Open site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : -		
	<b>Contact</b>		<b>Recorders</b>	Mr.Andrew Costello	<b>Permits</b>					
38-4-0684	ERM site 1-3	AGD	56	368360	6367205	Open site	Destroyed	Artefact : -		
	<b>Contact</b>		<b>Recorders</b>	ERM - Thornton	<b>Permits</b>	1695,1696				
38-4-0685	ERM site 5-6	AGD	56	369148	6367385	Open site	Destroyed	Artefact : -		
	<b>Contact</b>		<b>Recorders</b>	ERM - Thornton	<b>Permits</b>	1695,1696				

Report generated by AHIMS Web Service on 07/08/2018 for Cultural Heritage Rps Hamilton Team Administrator for the following area at Datum :GDA, Zone : 56, Eastings : 367570 - 372772, Northings : 6364485 - 6369384 with a Buffer of 0 meters. Additional Info : achar. Number of Aboriginal sites and Aboriginal objects found is 96

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# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : pr139511

Client Service ID : 362518

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
38-4-0686	ERM site 4	AGD	56	369275	6367572	Open site	Destroyed	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	ERM - Thornton					<b>Permits</b>	1695,1696	
38-4-1136	HLA Risk Assessment Isolated Find	AGD	56	368563	6369052	Open site	Valid	Artefact : 1		
	<b>Contact</b>	<b>Recorders</b>	AECOM Australia Pty Ltd (previously HLA-Envirosciences)					<b>Permits</b>	2809,3011	
38-4-1503	AMA2/A	GDA	56	368590	6366390	Open site	Valid	Artefact : 6		
	<b>Contact</b>	<b>Recorders</b>	South East Archaeology					<b>Permits</b>		
38-4-1504	AMA2/B	GDA	56	368703	6366603	Open site	Valid	Artefact : 3		
	<b>Contact</b>	<b>Recorders</b>	South East Archaeology					<b>Permits</b>		
38-4-1505	AMA2/C	GDA	56	368640	6366511	Open site	Valid	Artefact : 1		
	<b>Contact</b>	<b>Recorders</b>	South East Archaeology					<b>Permits</b>		
38-4-1506	AMB1/A	GDA	56	369242	6364779	Open site	Valid	Grinding Groove : 2		
	<b>Contact</b>	<b>Recorders</b>	South East Archaeology					<b>Permits</b>		
38-4-1952	Beresfield JR East 1	GDA	56	372741	6368709	Open site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : 1		
	<b>Contact</b>	<b>Recorders</b>	Niche Environment and Heritage,Kelleher Nightingale Consulting Pty Ltd,Ms.Crista					<b>Permits</b>		
38-4-1953	Beresfield M1 South 1	GDA	56	372268	6368381	Open site	Valid	Artefact : 1		
	<b>Contact</b>	<b>Recorders</b>	Niche Environment and Heritage,Ms.Viki Gordon					<b>Permits</b>		
38-4-0139	Four Mile Creek 1;	AGD	56	368130	6367020	Open site	Valid	Artefact : -	Open Camp Site	580,1221
	<b>Contact</b>	<b>Recorders</b>	Helen Brayshaw					<b>Permits</b>		
38-4-0140	Four Mile Creek 2;	AGD	56	367820	6366880	Open site	Valid	Artefact : -	Open Camp Site	580,1221
	<b>Contact</b>	<b>Recorders</b>	Helen Brayshaw					<b>Permits</b>		
38-4-0376	ISF3/ISF4;	AGD	56	372050	6365250	Open site	Valid	Artefact : -	Open Camp Site	100898,10222 2,102568,1026 46
	<b>Contact</b>	<b>Recorders</b>	Sue Effenberger					<b>Permits</b>	1057,1083	
38-4-0339	Ironbark 2;	AGD	56	369190	6367890	Open site	Valid	Artefact : -	Isolated Find	2681
	<b>Contact</b>	<b>Recorders</b>	Ms.Jill Ruig					<b>Permits</b>	1902	
38-4-0341	Black Hill Quarry 1;	AGD	56	369240	6364730	Open site	Valid	Artefact : -	Isolated Find	2746
	<b>Contact</b>	<b>Recorders</b>	Ms.Jill Ruig					<b>Permits</b>		
38-4-0379	BS2;	AGD	56	372180	6368800	Open site	Partially Destroyed	Artefact : -	Open Camp Site	102222,10256 8
	<b>Contact</b>	<b>Recorders</b>	Noeleen Curran					<b>Permits</b>	824,1066	
38-4-0381	BS5 (duplicate);	AGD	56	372500	6369150	Open site	Partially Destroyed	Artefact : -	Open Camp Site	
	<b>Contact</b>	<b>Recorders</b>	Noeleen Curran					<b>Permits</b>	1066	

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# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : pr139511

Client Service ID : 362518

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
38-4-0382	BS6 (duplicate);	AGD	56	372360	6369050	Open site	Partially Destroyed	Artefact : -	Open Camp Site	102568
	<u>Contact</u>	<u>Recorders</u>	Noeleen Curran					<u>Permits</u>	1066	
38-4-0387	BS2;	AGD	56	372180	6368800	Open site	Valid	Artefact : -	Open Camp Site	102222
	<u>Contact</u>	<u>Recorders</u>	Noeleen Curran					<u>Permits</u>		
38-4-0388	BS3 (Holmwood Estate)	AGD	56	372200	6369100	Open site	Destroyed	Artefact : -	Open Camp Site	102568
	<u>Contact</u>	<u>Recorders</u>	Noeleen Curran					<u>Permits</u>	965	
38-4-0390	BS5;	AGD	56	372500	6369150	Open site	Partially Destroyed	Artefact : -	Open Camp Site	102568
	<u>Contact</u>	<u>Recorders</u>	Noeleen Curran					<u>Permits</u>	1066	
38-4-0410	Woods Gully	AGD	56	372200	6366100	Open site	Valid	Artefact : -	Open Camp Site	4642,100898,1 02222,102568, 102646
	<u>Contact</u>	<u>Recorders</u>	Sue Effenberger					<u>Permits</u>	1083	
38-4-0550	Viney Creek 1 Artefact Scatter	AGD	56	371567	6368830	Open site	Valid	Artefact : 72		97572,102222
	<u>Contact</u>	<u>Recorders</u>	Janice Wilson					<u>Permits</u>		
38-4-0551	John Renshaw Drive Isolated Find	AGD	56	371846	6368253	Open site	Valid	Artefact : 1		97572,102568
	<u>Contact</u>	<u>Recorders</u>	Umwelt (Australia) Pty Limited					<u>Permits</u>		
38-4-0552	South Beresfield Freeway Industrial Estate	AGD	56	371575	6368060	Open site	Valid	Potential Archaeological Deposit (PAD) : -		97572,102222
	<u>Contact</u>	<u>Recorders</u>	Janice Wilson					<u>Permits</u>		
38-4-0554	Viney Creek 2 Artefact Scatter	AGD	56	371433	6368649	Open site	Valid	Artefact : 1		97572,102222, 102398
	<u>Contact</u>	<u>Recorders</u>	Janice Wilson					<u>Permits</u>		
38-4-0560	Donaldson Monitoring Program Site 1	AGD	56	369761	6369088	Open site	Valid	Artefact : 1		
	<u>Contact</u>	<u>Recorders</u>	Janice Wilson					<u>Permits</u>	1321,1326	
38-4-0561	ISF1	AGD	56	370500	6369100	Open site	Valid	Artefact : 1		
	<u>Contact</u>	<u>Recorders</u>	Prisma Consultancies					<u>Permits</u>	1342	
38-4-0562	ISF2	AGD	56	369800	6368950	Open site	Valid	Artefact : 1		
	<u>Contact</u>	<u>Recorders</u>	Prisma Consultancies					<u>Permits</u>	1342	
38-4-0901	Weakleys 1 Locus A (W1/A)	AGD	56	370990	6368270	Open site	Valid	Artefact : 1		102222,10239 8
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0902	Weakelys 1 Locus B (W1/B)	AGD	56	371070	6368470	Open site	Valid	Artefact : 2		102222,10239 8
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	

Report generated by AHIMS Web Service on 07/08/2018 for Cultural Heritage Rps Hamilton Team Administrator for the following area at Datum :GDA, Zone : 56, Eastings : 367570 - 372772, Northings : 6364485 - 6369384 with a Buffer of 0 meters. Additional Info : achar. Number of Aboriginal sites and Aboriginal objects found is 96

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# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : pr139511

Client Service ID : 362518

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
38-4-0903	Weakleys 1 Locus C (W1/C)	AGD	56	371140	6368690	Open site	Valid	Artefact : 3		102222,102398
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0904	Weakleys 1 Locus D (W1/D)	AGD	56	371180	6368740	Open site	Valid	Artefact : 2		102222,102398
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0905	Weakleys 2 Locus A (W2/A)	AGD	56	371230	6368850	Open site	Valid	Artefact : 5		102222,102398
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0906	Weakleys 4 Locus A (W4/A)	AGD	56	371270	6368510	Open site	Valid	Artefact : 1		102222,102398
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0907	Weakleys 4 Locus B (W4/B)	AGD	56	371310	6368600	Open site	Valid	Artefact : 1		102222,102398
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0908	Weakleys 4 Locus C (W4/C)	AGD	56	371300	6368710	Open site	Valid	Artefact : 1		102222,102398
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0909	Weakleys 7 Locus A (W7/A)	AGD	56	371340	6368240	Open site	Valid	Artefact : 1		102398
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>	3144,3431	
38-4-0925	Weakleys 23 Locus E (W23/E)	AGD	56	371350	6369160	Open site	Valid	Artefact : 2		
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>		
38-4-0926	Weakleys 23 Locus F (W23/F)	AGD	56	371340	6369110	Open site	Valid	Artefact : 1		
	<u>Contact</u> T Russell	<u>Recorders</u>	Mr.Peter Kuskie					<u>Permits</u>		
38-4-0958	A20/C	AGD	56	368730	6367910	Open site	Valid	Aboriginal Resource and Gathering : 1		
	<u>Contact</u> S Scanlon	<u>Recorders</u>	Mr.Edward Clarke					<u>Permits</u>		
38-4-0959	A20/A	AGD	56	368570	6368450	Open site	Valid	Artefact : 1		
	<u>Contact</u> S Scanlon	<u>Recorders</u>	Mr.Edward Clarke					<u>Permits</u>		
38-4-0979	F1/C	AGD	56	368270	6366880	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Mr.Edward Clarke					<u>Permits</u>		
38-4-0980	F1/B	AGD	56	368230	6366600	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Mr.Edward Clarke					<u>Permits</u>		
38-4-0981	F1/A	AGD	56	368760	6367030	Open site	Valid	Artefact : -, Grinding Groove : -		
	<u>Contact</u>	<u>Recorders</u>	Mr.Edward Clarke					<u>Permits</u>		
38-4-1687	Beresfiled WP-AS2 artefacts	GDA	56	371048	6368217	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Mr.John Simpson					<u>Permits</u>		

Report generated by AHIMS Web Service on 07/08/2018 for Cultural Heritage Rps Hamilton Team Administrator for the following area at Datum :GDA, Zone : 56, Eastings : 367570 - 372772, Northings : 6364485 - 6369384 with a Buffer of 0 meters. Additional Info : achar. Number of Aboriginal sites and Aboriginal objects found is 96

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# AHIMS Web Services (AWS)

## Extensive search - Site list report

Your Ref/PO Number : pr139511

Client Service ID : 362518

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
38-4-1688	CTGM PAD1 artefacts	GDA	56	370698	6368094	Open site	Valid	Artefact : -		
	<b>Contact</b>	<b>Recorders</b>	Mr.John Simpson					<b>Permits</b>		
38-4-1791	SMP4/83/A	GDA	56	368106	6365782	Open site	Valid	Artefact : 1		
	<b>Contact</b>	<b>Recorders</b>	South East Archaeology,Mr.Jason Barr					<b>Permits</b>		
38-4-1823	RPS MY MD1	GDA	56	369143	6366997	Open site	Valid	Shell : -		
	<b>Contact</b>	<b>Recorders</b>	RPS Australia East Pty Ltd -Hamilton,Mr.Ben Slack					<b>Permits</b>		
38-4-1828	AMD203/A	GDA	56	368172	6364928	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<b>Contact</b>	<b>Recorders</b>	South East Archaeology,Mr.Corey O'Driscoll					<b>Permits</b>		
38-4-1829	AMD244/A	GDA	56	367952	6364488	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<b>Contact</b>	<b>Recorders</b>	South East Archaeology,Ms.Frances Wiig					<b>Permits</b>		
38-4-1809	Hunter River AS2 with PAD	GDA	56	368904	6368061	Open site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : 1		
	<b>Contact</b>	<b>Recorders</b>	Virtus Heritage ,Mrs.Mary-Jean Sutton					<b>Permits</b>		
38-4-1833	Black Hill M12RT 4	GDA	56	372643	6368470	Open site	Valid	Artefact : 1		103619
	<b>Contact</b>	<b>Recorders</b>	Jacobs Group (Australia) Pty Ltd - Newcastle,Mr.Andy Roberts					<b>Permits</b>		
38-4-1834	Black Hill Power Artefact 1	GDA	56	372538	6367984	Open site	Valid	Artefact : 1		
	<b>Contact</b>	<b>Recorders</b>	Jacobs Group (Australia) Pty Ltd - Newcastle,Mr.Andy Roberts					<b>Permits</b>		

Report generated by AHIMS Web Service on 07/08/2018 for Cultural Heritage Rps Hamilton Team Administrator for the following area at Datum :GDA, Zone : 56, Eastings : 367570 - 372772, Northings : 6364485 - 6369384 with a Buffer of 0 meters. Additional Info : achar. Number of Aboriginal sites and Aboriginal objects found is 96

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Open Site

### Site Location Map

The map shows an aerial view of a wooded area with a road intersection. A purple icon labeled 'CTGM3 AT3' is located near the intersection of John Renshaw Drive and Highway 153. A blue car icon is also visible on Highway 153. The map includes a compass rose with 'N' at the top, a scale bar at the bottom, and a Google logo in the bottom right corner. The text 'Imagery Date: Dec 11, 2008' is visible in the bottom left corner.

## General Site Information

## Closed Site

## Shelter/Cave Formation

- ☐ Boulder  
☐ Wind erosion  
☐ Water erosion  
☐ Rock collapse

## Rock Surface Condition

- ☐ Boulder  
☐ Sandstone platform  
☐ Silica gloss  
☐ Tessellated  
☐ Weathered  
☐ Other platform

## Open Site

## Site Orientation

- ☐ N-S  
☐ NE-SW  
☐ E-W  
☐ SE-NW  
☒ N/A

## Condition of Ceiling

- ☐ Boulder  
☐ Sandstone platform  
☐ Silica gloss  
☐ Tessellated  
☐ Weathered  
☐ Other platform

## Shelter Aspect

- ☐ North  
☐ North East  
☐ East  
☐ South East  
☐ South  
☐ South West  
☐ West  
☐ North West

## Features

- ☐ 1. Aboriginal Ceremony & Dreaming  
☐ 2. Aboriginal Resource & Gathering  
☐ 3. Art  
☒ 4. Artefact  
☐ 5. Burial  
☐ 6. Ceremonial Ring  
☐ 7. Conflict  
☐ 8. Earth Mound  
☐ 9. Fish Trap  
☐ 10. Grinding Groove  
☐ 11. Habitation Structure  
☐ 12. Hearth  
☐ 13. Non Human Bone & Organic Material  
☐ 14. Ochre quarry  
☐ 15. Potential Archaeological Deposit  
☐ 16. Stone Quarry  
☐ 17. Shell  
☐ 18. Stone Arrangement  
☐ 19. Modified Tree  
☐ 20. Water Hole

## Site Plan Indicate scale, boundaries of site, features



## Site Dimensions

## Closed Site Dimensions (m)

- Internal length  
 Internal width  
 Shelter height  
 Shelter floor area

## Open Site Dimensions (m)

- Total length of visible site  
 Average width of visible site  
 Estimated area of visible site  
 Length of assessed site area

The community representative agreed that all artefacts in the region illustrates Aboriginal occupation of the land in the past and is thus important to the Aboriginal groups.

Silcrete and chert artefacts eroding from the access track to the property. This area has not had intensive ploughing and is less disturbed than other areas adjacent to the site. The artefacts are a mixture of cores and flakes, at least four artefacts were identified and more are likely to be present in the surrounding area.

[illegible][illegible]



Site I.D.

Site Name

First recorded date

Importance

No. of instances

Recorded by

Yes No

Stone artefacts only

Artefacts collected

Permit issued

Percentage of Non-stone Artefacts to Percentage of Stone Artefacts

0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%

## Feature Context &amp; Condition

Scatter No.

Easting

Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

## Feature Condition

## General Condition

## Recommended Action

☐

Very good

☐

Weathered

☐

Boardwalk

☐

Revegetation

☐

Good

☐

Vehicle damage

☐

Fencing

☐

Signage

☐

Poor

☐

Surface water wash

☐

Closure to public

☐

Soil erosion control

☐

Fire damage

☐

Continued inspection

☐

Track closure/re-routing

☐

Erosion

☐

Fire hazard reduction

☐

Additional recording

☐

Stock damage

☐

Expert assessment

☐

Exposed archaeological material

☐

Meeting with land manager

## Feature Plan (Indicate scale, location of instances)

NW N NE

W E

SW S SE

N

## Feature Environment

(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

## Water

Distance to permanent water source

metres

Distance to temporary water source

metres

Name of nearest permanent water source

Name of nearest temporary water

## NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

## Stone Artefact

[illegible]

### Other Artefact Type

[illegible]

## Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

## Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

## Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

### Platform Type

- Wide
- Focal
- Shattered
- Indeterminate
- Bipolar

## Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

## Cross Section

High/strong  
High/weak  
Low/weak  
Irregular

Comments:

[illegible]

Site I.D.

Site Name

First recorded date

Importance

Aboriginal Information Recorded?

No. of instances

Recorded by

Feature description

No. of scars

No. of carved panels

Feature Condition

☐ Very good

☐ Good

☐ Poor

Condition

☐ Weathered

☐ Ringbarked

☐ Fire damage

☐ Vehicle damage

☐ Insects/termites

☐ Rot

☐ Limb fall

☐ Stock damage

Recommended Action

☐ Fencing

☐ Closure to public

☐ Continued inspection

☐ Expert assessment

☐ Fire hazard reduction

☐ Insect removal

☐ Meeting with land manager

☐ Rubbish removal

☐ Signage

☐ Tree health assessment

☐ Track closure/re-routing

☐ Additional recording

Easting

Northing

Feature environment (Complete when *feature* environment differs to *site* environment, use attributes from cover card, page 2)

Land form

Land form unit

Slope

Vegetation

Land use

Water

Distance to permanent water source

Distance to temporary water source

Name of nearest permanent water source

Name of nearest temporary water

metres

metres

Feature Location Plan

Scar/Carved Panel Drawing

NW

N

NE

W

E

SW

S

SE

Indicate scale

Attach additional drawings



page 2

[illegible]

Type of Tree	Tree Species	Living Status	Tree Status	Regrowth	Scar Shape	Carving Type	Axe Marks	Orientation
Carved Tree	Eucalypt	Dead	Standing	Yes	Oval	Linear	Metal	North East
Scarred Tree	Red Gum	Alive	Lying down	No	Rectangular	Geometric	Stone	East
Carved/Scarred Tree	Angotha	Dying	Partially felled		Square	Pictorial	Indeterminate	South East
			Subject to salinity		Round			South
			Not <i>in situ</i>		Other			South West
Comments:								

Site I.D. Site Name First recorded date Importance 

Aboriginal Information Recorded?

No. of instances Recorded by **Feature Description****Type of Grinding Feature**

- ☐ Broad
- ☐ Narrow/point
- ☐ Hollow
- ☐ Flat

**Profile Shape**

- ☐ 'U' shaped
- ☐ 'V' shaped
- ☐ Flat

**Seed Species Present**Recording date **Groove Function****Dimensions****Smallest**Length (mm) Width (mm) Depth (mm) **Largest**Length (mm) Width (mm) Depth (mm) Groove count Cluster count **Feature Context & Condition**Easting Northing Dimensions of Whole Feature  Length (m)  Width (m)**Feature Condition**

- ☐ Very good
- ☐ Good
- ☐ Poor

**General Condition**

- ☐ Weathered
- ☐ Vandalised

**General Condition ctd**

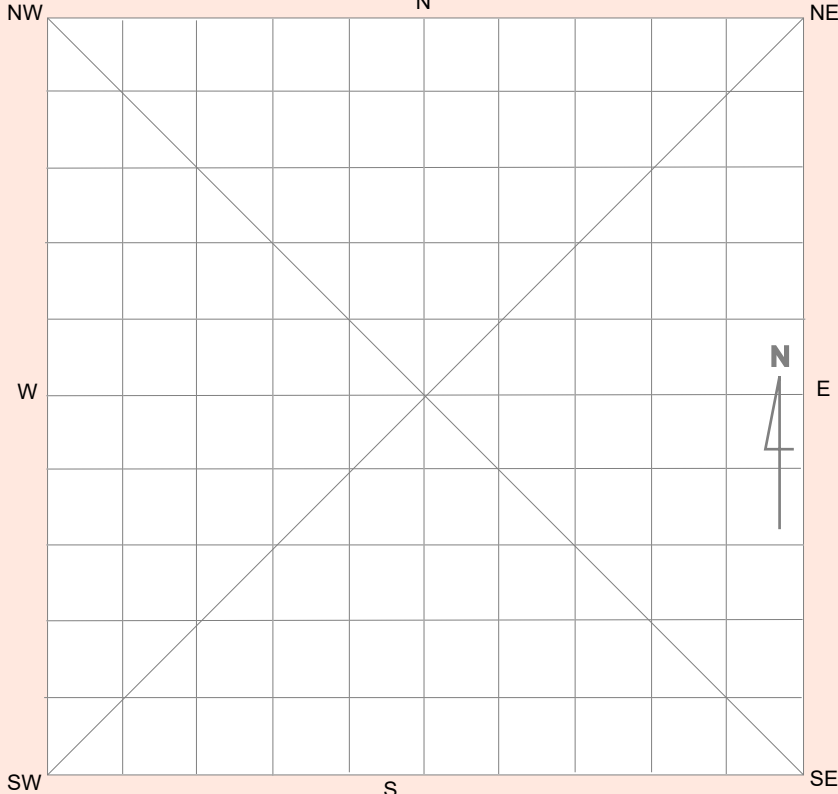
- ☐ Fire damage
- ☐ Surface water wash
- ☐ Graffiti
- ☐ Vehicle damage
- ☐ Erosion
- ☐ Stock damage

**Recommended Action**

- ☐ Boardwalk
- ☐ Cage/barrier/fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Expert assessment
- ☐ Graffiti removal
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Rubbish removal
- ☐ Signage
- ☐ Erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

**Feature Plan**

N (Indicate scale, location of instances)

**Feature Environment**(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

**Water**Distance to permanent water source  metresDistance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

## Feature Context & Condition

<input type="checkbox"/>	Boardwalk	<input type="checkbox"/>	Rubbish removal
<input type="checkbox"/>	Cage/barrier/fencing	<input type="checkbox"/>	Signage
<input type="checkbox"/>	Closure to public	<input type="checkbox"/>	Erosion control
<input type="checkbox"/>	Continued inspection	<input type="checkbox"/>	Track closure/re-routing
<input type="checkbox"/>	Dripline	<input type="checkbox"/>	Additional recording
<input type="checkbox"/>	Expert assessment		
<input type="checkbox"/>	Fire hazard removal		
<input type="checkbox"/>	Graffiti removal		
<input type="checkbox"/>	Insect/bird nest removal		
<input type="checkbox"/>	Meeting with land manager		

(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

## Sketch and number motif groups

[illegible]



## NPWS FEATURE RECORDING TABLE - ART MOTIF

page 2

[illegible]

Motif			Application	Main		
Anthropomorphic	Female	Marine-Other	Technique	Colour	Art Location	Condition
Bird	Fish	Other	Abraded	Black	All over shelter surfaces	Faded
Bird Track	Foot	Pattern	Drawn	Mauve *	ceiling	Stained
Canoe	Hand	Quadruped	Other	N/A	Floor	Mineralisation Evident
Circle	Jellyfish	Reptile	Painted	Orange *	Mostly near largest sheltered space	V brant Colours
Contact material culture	Kangaroo	Rifle	Pecked	Other	Mostly on out of the way surfaces	Unweathered
Duck	Line	Shield	Pigment & Engraved	Red *	Other	Weathered
Eel	Lizard	Ship	Stencilled	White *	Wall	
Emu	Macropod	Snake	Form	Yellow *		
Emu track	Macropod Track	Spear	Fill			
European figure	Male	Wallaby	Line			
			Line+ Fill			
			Other			
			Pattern			

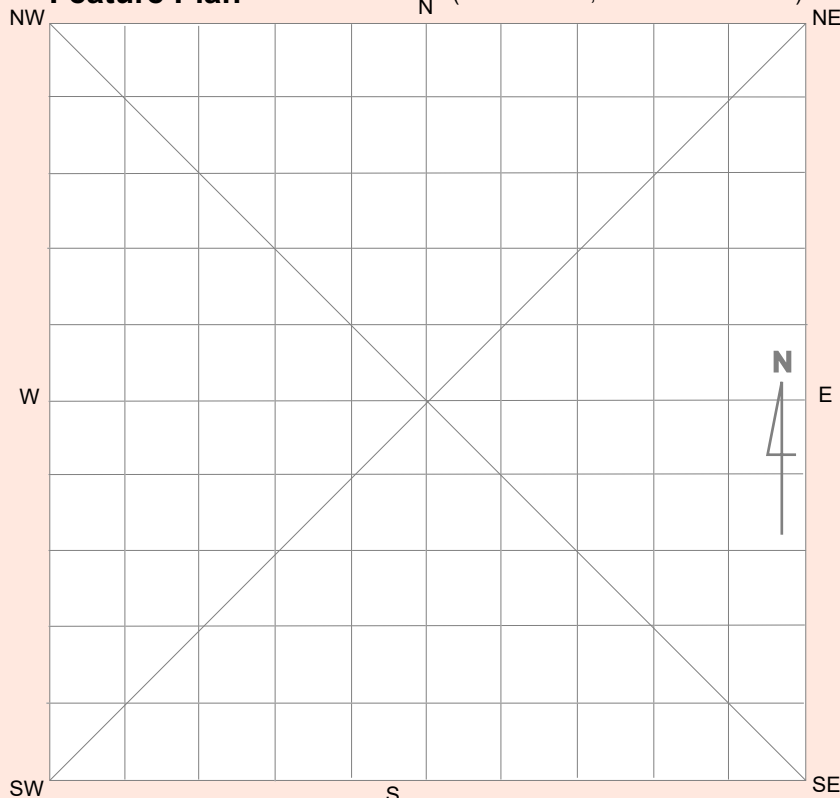
Comments:

Site I.D. Site Name First recorded date  /  / Importance 

Aboriginal Information

Recorded? No. of instances Recorded by **Feature Context  
& Condition**Easting Northing **Dimensions of Whole Feature** Length (m) Width (m) Depth (m)**Shell Distribution**☐ Surface scatter☐ Stratified deposit☐ Mounded Distance to high water mark (m)**Feature Condition**☐ Very good☐ Good☐ Poor**General Condition**☐ Weathered☐ Vandalised☐ Surface water wash☐ Mineralisation☐ Graffiti**General Condition ctd**☐ Fire damage☐ Vehicle damage☐ Insects/termites☐ Erosion☐ Stock damage☐ Unstable structure☐ Exposed bone material☐ Exposed archaeological material**Recommended Action**☐ Boardwalk☐ Cage/barrier/fencing☐ Closure to public☐ Continued inspection☐ Expert assessment☐ Fire hazard removal☐ Graffiti removal☐ Meeting with land manager☐ Insect/bird nest removal☐ Revegetation☐ Rubbish removal☐ Signage☐ Erosion control☐ Track closure/re-routing☐ Additional recording**Feature Plan**

(Indicate scale, location of instances)

**Feature Environment**(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2) Land form Land form unit Slope Vegetation Land use**Water**Distance to permanent water source  metresDistance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

% of this  
species shell to  
% total of other  
shell

## Species

**Percentage of this Species Shell  
to Percentage Total of other Shell**

Anadara	Nerita	0 – 9%
Bimbala	Ocean Snail	10 – 19%
Chiton	Periwinkle	20 – 29%
Cowrie	Pippi	30 – 39%
Dog Cockle	Ribbed Cockle	40 – 49%
Duck Bill	Rock Oyster	50 – 59%
Limpit	Thiad	60 – 69%
Mud oyster	Triton	70 – 79%
Mutton Fish	Turban (large)	80 – 89%
		90 – 100%

[illegible]



John Renshaw Drive

CTGM3 A13

E

F

132

Kallara Ct

Pippa Ct

Biraba Ave

Weakleys Drive

Sydney Newcastle

Syd

EN 101592



Dec 14, 2010 8:53 am

John Renshaw Drive



CTGM Pipeline



CTGM3 AT3



©2010 Whereis@Sensis Pty Ltd

Image ©2010 Sinclair Knight Merz

56°H 370670.90m E 6368136.23 m S elev 34m

Imagery Date: Dec 11, 2006

©2010 Google

Eye alt 326 m



# Aboriginal Site Impact Recording Form

AHIMS Registrar

PO Box 1967, Hurstville 2220 NSW

April 2012 OEH 2012/0558

- 1 This form must be completed following impacts to AHIMS sites that are:
  - a) a result of test excavation carried out in accordance with the *Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW*
  - b) authorised by an Aboriginal Heritage Impact Permit (AHIP) issued by the Office of Environment and Heritage (OEH)
  - c) undertaken for the purpose of complying with Director General's Requirements issued by the Department of Planning and Infrastructure (DP&I) for:
    - State Significant Development (SSD - Part 4),
    - State Significant Infrastructure (SSI - Part 5.1), or
    - A Major Project (Part 3A - now repealed) under the *Environmental Planning and Assessment Act 1979 (EP&A Act)*, or
  - d) authorised by a SSD/SSI/Part 3A consent/approval under the EP&A Act.
- 2 Completed forms must be submitted to the AHIMS Registrar ([www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm](http://www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm)).
- 3 This form is intended to complement (not replace) the AHIMS Site Recording Form. Where there is a need to provide detailed information about the nature of a site, use the AHIMS Site Recording Form.
- 4 This form does not replace the need to submit reports to OEH (as a condition of an AHIP or SSD/SSI/Part 3A consent/approval)  
This form must be submitted in addition to any reports.

AHIMS site ID:

Site impact authorisation (select one)	Reference numbers, dates
<input type="checkbox"/> Archaeological Code (The impacts to this site were the result of test excavation carried out in accordance with the <i>Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW</i> .)	Date OEH was notified (under requirement 15c of the Code): <input type="text"/> OEH Regional office notified: <input type="text"/>
<input type="checkbox"/> AHIP (The impacts to this site were authorised by an AHIP.)	AHIP number: <input type="text"/> Date issued/signed: <input type="text"/> AHIMS permit ID/number: <input type="text"/>
<input type="checkbox"/> SSD/SSI/Part 3A application (The impacts to this site were undertaken for the purposes of complying with Director General's Requirements issued by the DP&I)	Project number: <input type="text"/> Date Director General's Requirements issued: <input type="text"/>
<input type="checkbox"/> SSD/SSI/Part 3A approved project (The impacts to this site were authorised by a consent/approval under Parts 4/5.1/3A of the EP&A Act.)	or Date of project approval: <input type="text"/>

## Site status following impacts:

- ☐ Not a site (The investigations concluded that this is not a site.)
- ☐ Valid site (The investigations confirmed that this is an Aboriginal site.)
- ☐ Partially destroyed (The site was partially destroyed following authorised impacts; a portion of the site remains in situ.)
- ☐ Destroyed (The site was completely destroyed following authorised impacts.)

## Geographic location

Site name:

Easting:

Northing:

Coordinates must be in GDA (MGA)

Map sheet:

Zone:

Location method:



Primary recorder

(The person responsible for the completion and submission of this form)

Title	Surname	First name
<input type="text"/>	<input type="text"/>	<input type="text"/>
Organisation:	<input type="text"/>	
Address:	<input type="text"/>	
Phone:	<input type="text"/>	E-mail: <input type="text"/>
Date recorded:	<input type="text"/>	Fax: <input type="text"/>

Site information

Open/closed site:

Features:

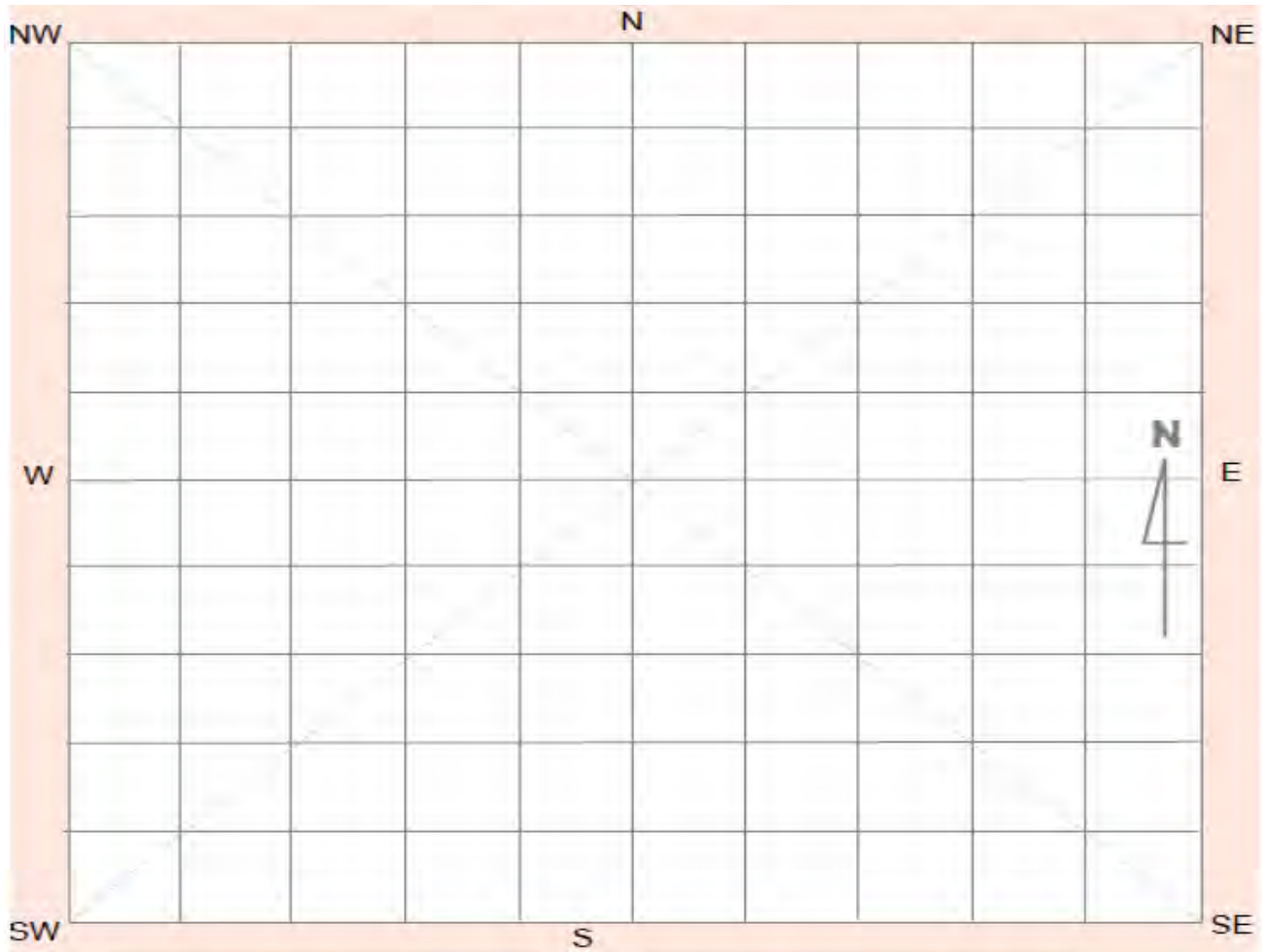
<input type="checkbox"/>	1.	Aboriginal ceremony and dreaming	<input type="checkbox"/>	11.	Habitation structure
<input type="checkbox"/>	2.	Aboriginal resource and gathering	<input type="checkbox"/>	12.	Hearth
<input type="checkbox"/>	3.	Art	<input type="checkbox"/>	13.	Non-human bone and organic material
<input type="checkbox"/>	4.	Artefact	<input type="checkbox"/>	14.	Ochre quarry
<input type="checkbox"/>	5.	Burial	<input type="checkbox"/>	15.	Potential archaeological deposit
<input type="checkbox"/>	6.	Ceremonial ring	<input type="checkbox"/>	16.	Stone quarry
<input type="checkbox"/>	7.	Conflict	<input type="checkbox"/>	17.	Shell
<input type="checkbox"/>	8.	Earth mound	<input type="checkbox"/>	18.	Stone arrangement
<input type="checkbox"/>	9.	Fish trap	<input type="checkbox"/>	19.	Modified tree
<input type="checkbox"/>	10.	Grinding groove	<input type="checkbox"/>	20.	Water hole

Site condition

Written description of the condition of the AHIMS site (including relevant features) following the authorised impact of the site

## Site map

Clearly demarcate the original AHIMS site boundary, show the boundaries of impacted areas and the areas where the site remains in situ. Display map coordinates.



## Methodology and results

Summary of the methodology and results of the activity or works undertaken through the authorised impacts, as relevant to the AHIMS site

A large empty rectangular box for writing the methodology and results.

## Management recommendations

Summary of any management recommendations for the AHIMS site

## Post-investigation significance

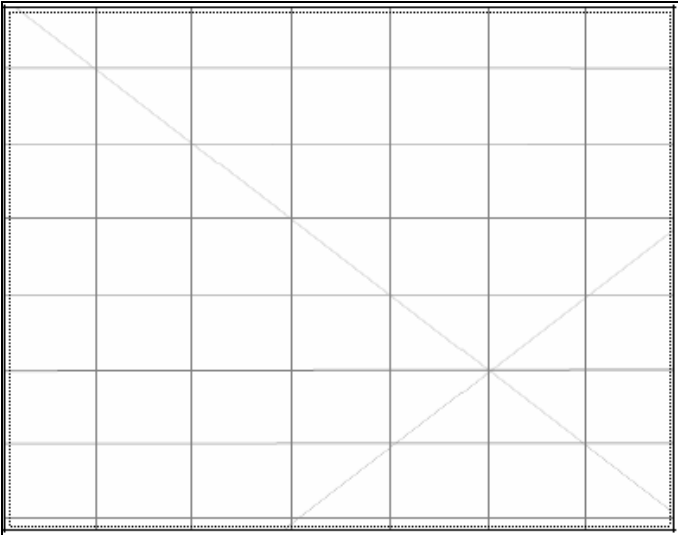
Discuss if the scientific/archaeological or cultural significance of the site has changed in light of the results of the investigations or works conducted at the site.

## Additional comments

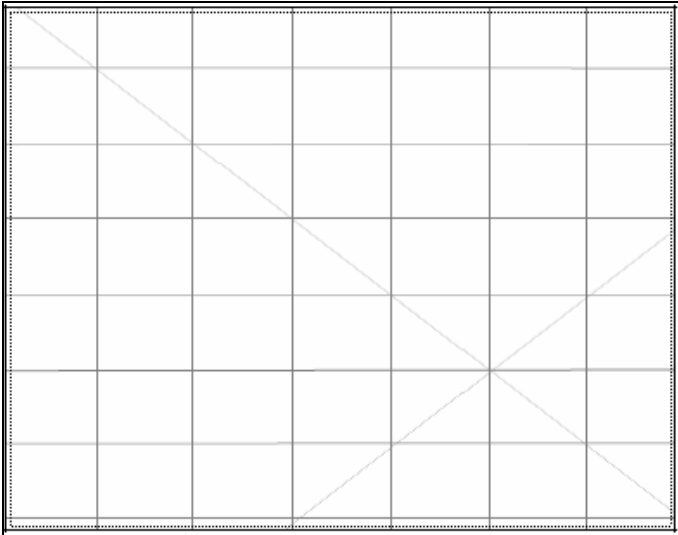


# Site photographs

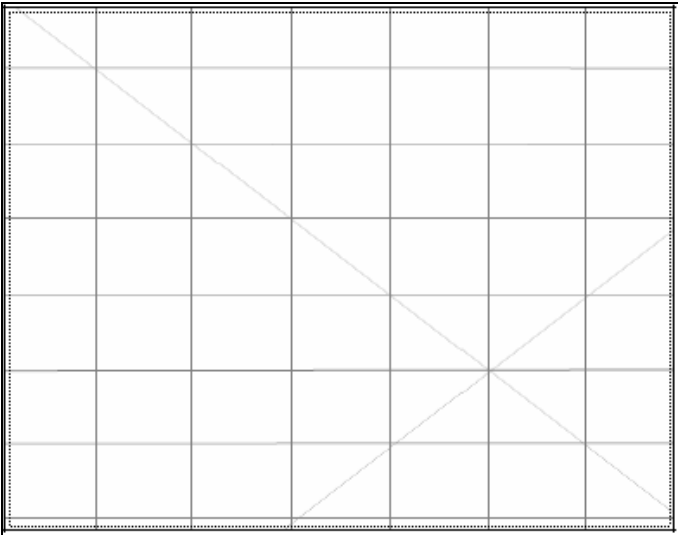
Include photographs of the authorised impacts activity, as relevant to the AHIMS site. Please keep photo size to a maximum of 200 kb.



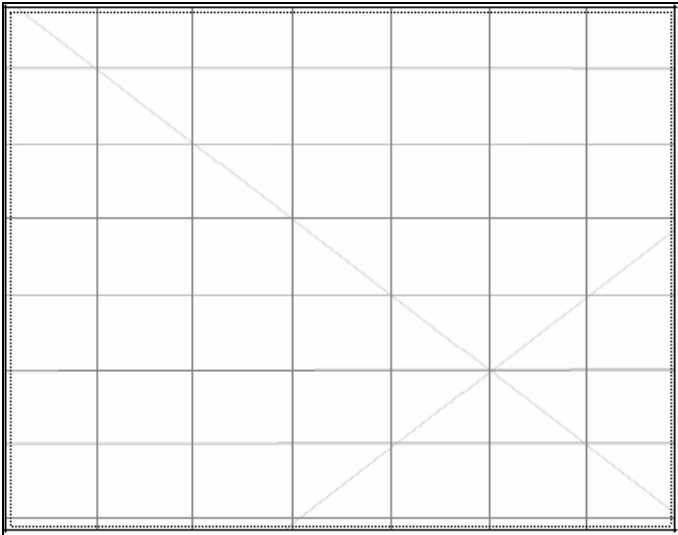
Description:



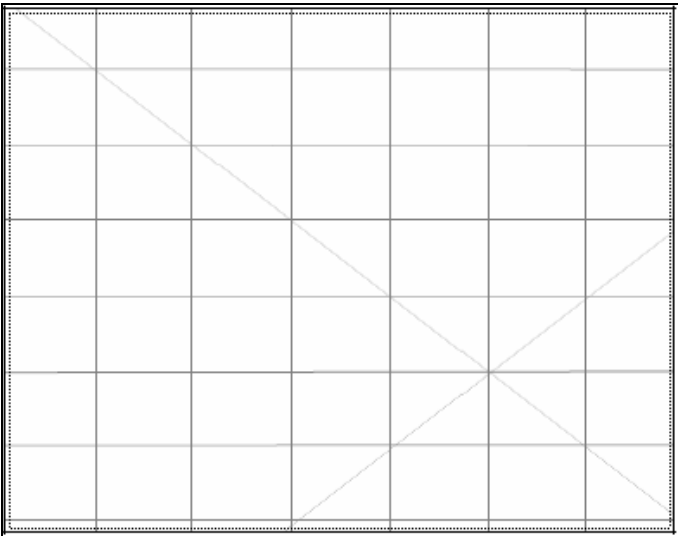
Description:



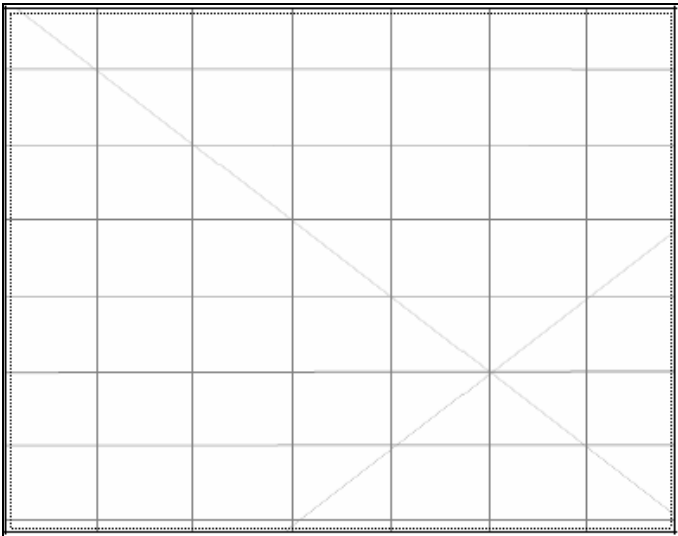
Description:



Description:



Description:



Description:



Open Site

This is an aerial map of the Sydney New South Wales area. The map shows a mix of industrial and natural landscapes. In the upper right, there are several large industrial buildings and parking lots. A road, John Renshaw Drive, runs diagonally across the middle of the map. To the left of this road, there is a large area of dense forest. In the lower left, there is a parking lot with several cars. The map is overlaid with a grid of latitude and longitude lines. A compass rose is located in the top right corner, and a scale bar is in the bottom right corner. The text 'Sydney New' is visible in the top right corner. The text 'John Renshaw Drive' is visible in the middle of the map. The text 'G16M 4 MC1' is visible in the lower left. The text '© 2010 Wharfedale Sensa Pty Ltd' and 'Image © 2010 Sinclair Knight Merz' are visible in the bottom center. The text 'Imagery Date: Dec 11, 2006' is visible in the bottom left. The text '56°H 37°15'11.00m E 8°38'108.95m S elev. 22m' is visible in the bottom center. The text 'Eye alt. 1.71 km' is visible in the bottom right. The Google logo is visible in the bottom right corner.



## General Site Information

## Closed Site

## Shelter/Cave Formation

- ☐ Boulder  
☐ Wind erosion  
☐ Water erosion  
☐ Rock collapse

## Rock Surface Condition

- ☐ Boulder  
☐ Sandstone platform  
☐ Silica gloss  
☐ Tessellated  
☐ Weathered  
☐ Other platform

## Open Site

## Site Orientation

- ☐ N-S  
☐ NE-SW  
☐ E-W  
☐ SE-NW  
☒ N/A

## Condition of Ceiling

- ☐ Boulder  
☐ Sandstone platform  
☐ Silica gloss  
☐ Tessellated  
☐ Weathered  
☐ Other platform

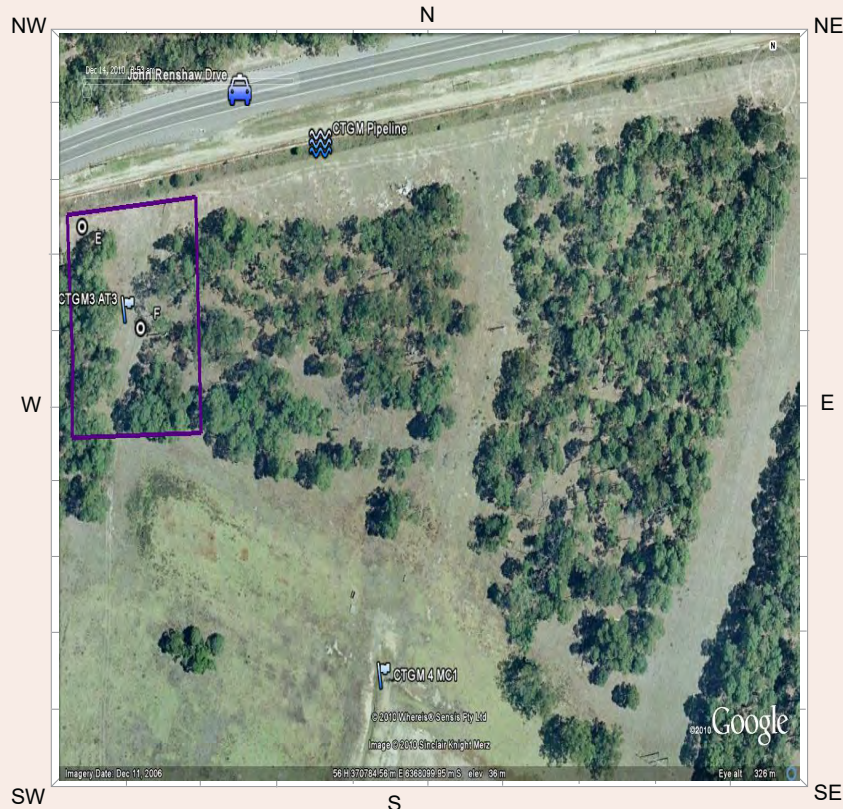
## Shelter Aspect

- ☐ North  
☐ North East  
☐ East  
☐ South East  
☐ South  
☐ South West  
☐ West  
☐ North West

## Features

- ☐ 1. Aboriginal Ceremony & Dreaming  
☐ 2. Aboriginal Resource & Gathering  
☐ 3. Art  
☒ 4. Artefact  
☐ 5. Burial  
☐ 6. Ceremonial Ring  
☐ 7. Conflict  
☐ 8. Earth Mound  
☐ 9. Fish Trap  
☐ 10. Grinding Groove  
☐ 11. Habitation Structure  
☐ 12. Hearth  
☐ 13. Non Human Bone & Organic Material  
☐ 14. Ochre quarry  
☐ 15. Potential Archaeological Deposit  
☐ 16. Stone Quarry  
☐ 17. Shell  
☐ 18. Stone Arrangement  
☐ 19. Modified Tree  
☐ 20. Water Hole

## Site Plan Indicate scale, boundaries of site, features



## Site Dimensions

## Closed Site Dimensions (m)

- Internal length  
 Internal width  
 Shelter height  
 Shelter floor area

## Open Site Dimensions (m)

- Total length of visible site  
 Average width of visible site  
 Estimated area of visible site  
 Length of assessed site area

The community representative agreed that all artefacts in the region illustrates Aboriginal occupation of the land in the past and is thus important to the Aboriginal groups.

An isolated artefact identified near the outcropping of sandstone on the edge of a ploughed field. The artefact has limited scientific significance. It is currently outside the footprint of the project and will not be impacted.

[illegible][illegible]

Site I.D.

Site Name

First recorded date

Importance

No. of instances

Recorded by

Yes No

Stone artefacts only

Percentage of Non-stone Artefacts to Percentage of Stone Artefacts

Artefacts collected

0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%

Permit issued

## Feature Context &amp; Condition

Scatter No.

Easting

Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

Length (m)

Width (m)

Depth (m)

In situ

Stratified

## Feature Condition

## General Condition

## Recommended Action

☐

Very good

☐

Weathered

☐

Boardwalk

☐

Revegetation

☐

Good

☐

Vehicle damage

☐

Fencing

☐

Signage

☐

Poor

☐

Surface water wash

☐

Closure to public

☐

Soil erosion control

☐

Fire damage

☐

Continued inspection

☐

Track closure/re-routing

☐

Erosion

☐

Fire hazard reduction

☐

Additional recording

☐

Stock damage

☐

Expert assessment

☐

Exposed archaeological material

☐

Meeting with land manager

## Feature Plan (Indicate scale, location of instances)

NW N NE

W E

SW S SE

N

## Feature Environment

(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

## Water

Distance to permanent water source

metres

Distance to temporary water source

metres

Name of nearest permanent water source

Name of nearest temporary water



## NPWS FEATURE RECORDING TABLE - ARTEFACT

page 2

## Stone Artefact

[illegible]

### Other Artefact Type

[illegible]

## Material

Basalt	Clear glass
Chert	Ceramic
Fine grained siliceous	Porcelain
Granite	Tin can
Quartz	Wire
Quartzite	Nail
Sandstone	Button
Silcrete	Shell
Green glass	Bone
Amber glass	Wood
Amethyst glass	Resin

## Artefact Description

Adze	Flake tool
Anvil	Flaked piece
Axe	Hammerstone
Backed blade	Manuport
Blade	Milling slab
Core	Mortar
Core tool	Muller
Cyclon	Nuclear tool
Distal fragment	Pirri
Eloura	Proximal fragment
Flake	Tula
	Other diagnostic type
	Modified
	Unworked

## Platform Surface

- Cortex
- Flake scar
- More than one flake scar
- Faceted
- Ground
- Indeterminate
- Bipolar

### Platform Type

- Wide
- Focal
- Shattered
- Indeterminate
- Bipolar

## Termination

- Feather
- Hinge
- Step
- Outrepasse
- Bipolar

## Cross Section

High/strong  
High/weak  
Low/weak  
Irregular

Comments:

Site I.D.

First recorded date

No. of instances

Recorded by

Site Name

Importance

Aboriginal Information Recorded?

Feature description

No. of scars

No. of carved panels

Feature Condition

☐ Very good

☐ Good

☐ Poor

Condition

☐ Weathered

☐ Ringbarked

☐ Fire damage

☐ Vehicle damage

☐ Insects/termites

☐ Rot

☐ Limb fall

☐ Stock damage

Recommended Action

☐ Fencing

☐ Closure to public

☐ Continued inspection

☐ Expert assessment

☐ Fire hazard reduction

☐ Insect removal

☐ Meeting with land manager

☐ Rubbish removal

☐ Signage

☐ Tree health assessment

☐ Track closure/re-routing

☐ Additional recording

Easting

Northing

Feature environment (Complete when *feature* environment differs to *site* environment, use attributes from cover card, page 2)

Land form

Land form unit

Slope

Vegetation

Land use

**Water**

Distance to permanent water source  metres

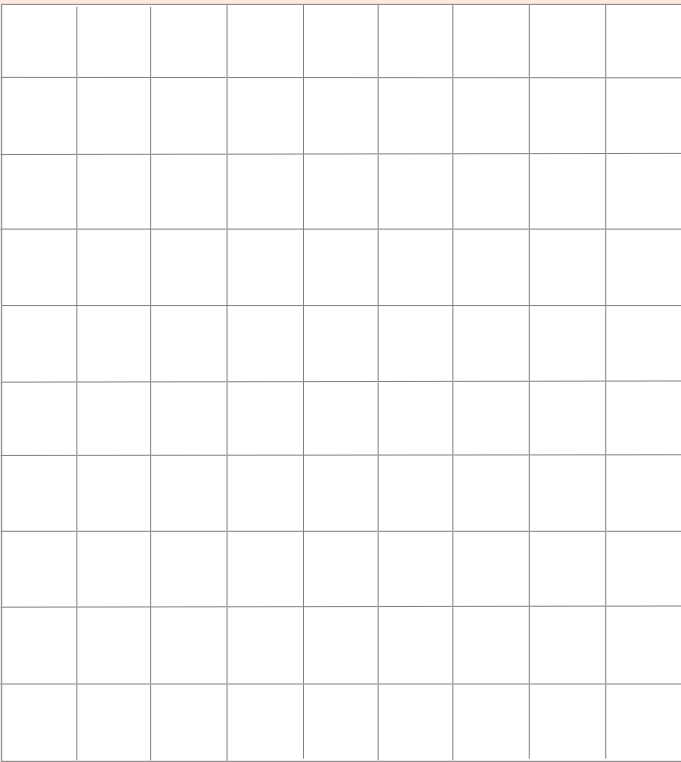
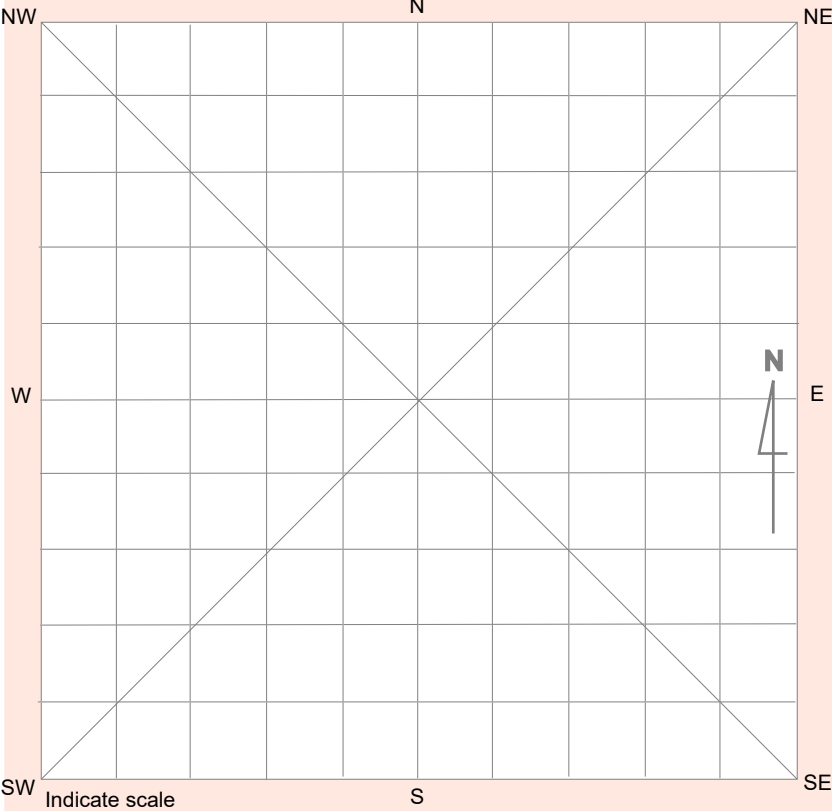
Distance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

Feature Location Plan

Scar/Carved Panel Drawing



Attach additional drawings

page 2

[illegible]

Type of Tree	Tree Species	Living Status	Tree Status	Regrowth	Scar Shape	Carving Type	Axe Marks	Orientation
Carved Tree	Eucalypt	Dead	Standing	Yes	Oval	Linear	Metal	North East
Scarred Tree	Red Gum	Alive	Lying down	No	Rectangular	Geometric	Stone	East
Carved/Scarred Tree	Angotha	Dying	Partially felled Subject to salinity		Square	Pictorial	Indeterminate	South East
			Not <i>in situ</i>		Round			South
					Other			South West
								West
								North West
								North



Site I.D. Site Name First recorded date Importance 

Aboriginal Information Recorded?

No. of instances Recorded by **Feature Description****Type of Grinding Feature**

- ☐ Broad
- ☐ Narrow/point
- ☐ Hollow
- ☐ Flat

**Profile Shape**

- ☐ 'U' shaped
- ☐ 'V' shaped
- ☐ Flat

**Seed Species Present**Recording date **Groove Function****Dimensions****Smallest**Length (mm) Width (mm) Depth (mm) **Largest**Length (mm) Width (mm) Depth (mm) Groove count Cluster count **Feature Context & Condition**Easting Northing **Dimensions of Whole Feature**  Length (m)  Width (m)**Feature Condition**

- ☐ Very good
- ☐ Good
- ☐ Poor

**General Condition**

- ☐ Weathered
- ☐ Vandalised

**General Condition ctd**

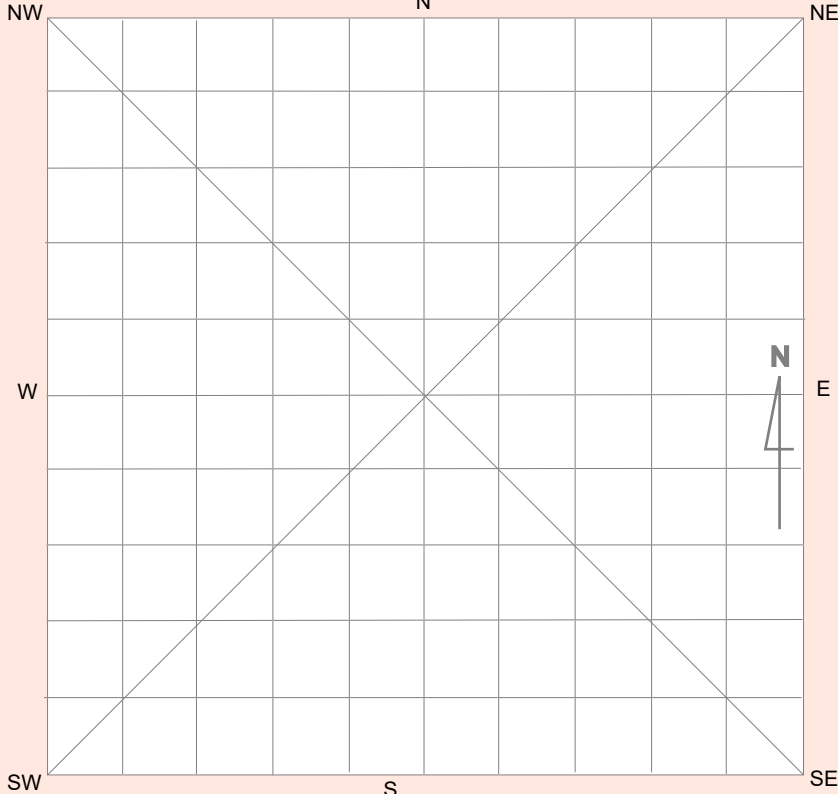
- ☐ Fire damage
- ☐ Surface water wash
- ☐ Graffiti
- ☐ Vehicle damage
- ☐ Erosion
- ☐ Stock damage

**Recommended Action**

- ☐ Boardwalk
- ☐ Cage/barrier/fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Expert assessment
- ☐ Graffiti removal
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Rubbish removal
- ☐ Signage
- ☐ Erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

**Feature Plan**

N (Indicate scale, location of instances)

**Feature Environment**(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

**Water**Distance to permanent water source  metresDistance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water



## NPWS FEATURE RECORDING TABLE - ART MOTIF

page 2

[illegible]

Motif			Application	Main		
Anthropomorphic	Female	Marine-Other	Technique	Colour	Art Location	Condition
Bird	Fish	Other	Abraded	Black	All over shelter surfaces	Faded
Bird Track	Foot	Pattern	Drawn	Mauve *	ceiling	Stained
Canoe	Hand	Quadruped	Other	N/A	Floor	Mineralisation Evident
Circle	Jellyfish	Reptile	Painted	Orange *	Mostly near largest sheltered space	V brant Colours
Contact material culture	Kangaroo	Rifle	Pecked	Other	Mostly on out of the way surfaces	Unweathered
Duck	Line	Shield	Pigment & Engraved	Red *	Other	Weathered
Eel	Lizard	Ship	Stencilled	White *	Wall	
Emu	Macropod	Snake	Form	Yellow *		
Emu track	Macropod Track	Spear	Fill			
European figure	Male	Wallaby	Line			
			Line+ Fill			
			Other			
			Pattern			

Comments:



Site I.D. Site Name First recorded date Importance 

Aboriginal Information

Recorded? No. of instances Recorded by **Feature Context  
& Condition**Easting Northing **Dimensions of Whole Feature** Length (m) Width (m) Depth (m)**Shell Distribution**

- ☐ Surface scatter
- ☐ Stratified deposit
- ☐ Mounded

 Distance to high water mark (m)**Feature Condition**

- ☐ Very good
- ☐ Good
- ☐ Poor

**General Condition**

- ☐ Weathered
- ☐ Vandalised
- ☐ Surface water wash
- ☐ Mineralisation
- ☐ Graffiti

**General Condition ctd**

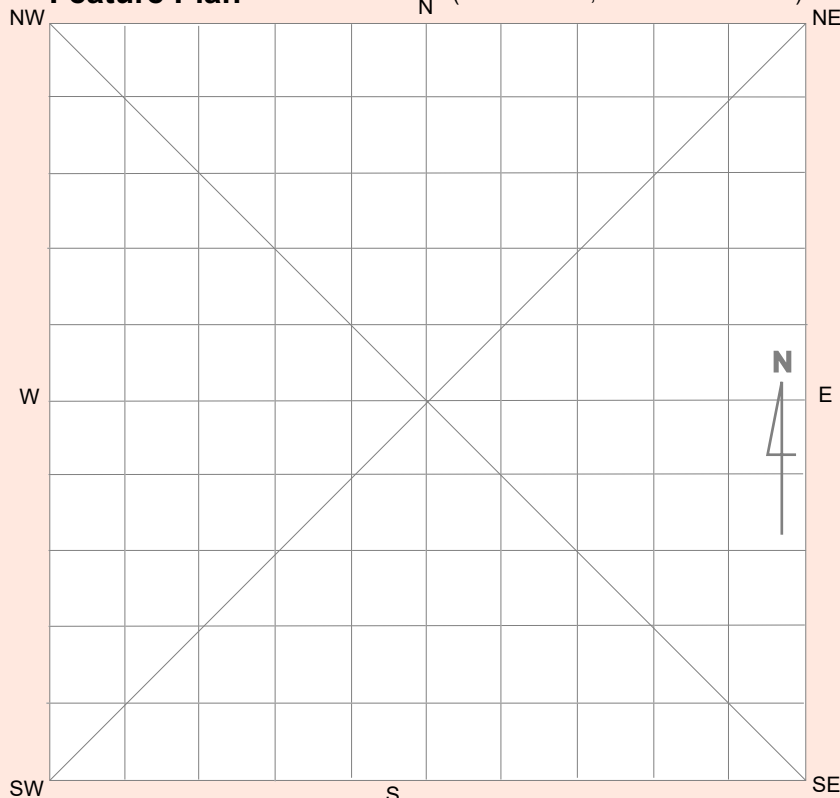
- ☐ Fire damage
- ☐ Vehicle damage
- ☐ Insects/termites
- ☐ Erosion
- ☐ Stock damage
- ☐ Unstable structure
- ☐ Exposed bone material
- ☐ Exposed archaeological material

**Recommended Action**

- ☐ Boardwalk
- ☐ Cage/barrier/fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Expert assessment
- ☐ Fire hazard removal
- ☐ Graffiti removal
- ☐ Meeting with land manager
- ☐ Insect/bird nest removal
- ☐ Revegetation
- ☐ Rubbish removal
- ☐ Signage
- ☐ Erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

**Feature Plan**

(Indicate scale, location of instances)

**Feature Environment**(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

- Land form
- Land form unit
- Slope
- Vegetation
- Land use

**Water**Distance to permanent water source  metresDistance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

% of this  
species shell to  
% total of other  
shell

Species		Percentage of this Species Shell to Percentage Total of other Shell
Anadara	Nerita	0 – 9%
Bimbala	Ocean Snail	10 – 19%
Chiton	Periwinkle	20 – 29%
Cowrie	Pippi	30 – 39%
Dog Cockle	Ribbed Cockle	40 – 49%
Duck Bill	Rock Oyster	50 – 59%
Limpit	Thiad	60 – 69%
Mud oyster	Triton	70 – 79%
Mutton Fish	Turban (large)	80 – 89%
		90 – 100%

[illegible]



Dec 14, 2010 - 8:53 am

John Renshaw Drive

John Renshaw Drive

CTGM 4 MC1

Kallara Ct

Weakley Drive

Sydney-Newcastle Freeway

Sydney New

56 H 371511.00 m E 6368106.55 m S elev 22 m

©2010 Whereis@Sensis Pty Ltd  
Image © 2010 Sinclair Knight Merz

©2010 Google

Eye alt 1.71 km

Imagery Date: Dec 11, 2006



Dec 14, 2010 John Renshaw Drive



CTGM Pipeline



E

CTGM3 AT3

F

CTGM 4 MC1

©2010 Whereis@ Sensis Fly Ltd

Image © 2010 Sinclair Knight Merz

Imagery Date: Dec 11, 2006

56 H 370784.56 m E 6368099.95 m S elev 36 m

©2010 Google

Eye alt 326 m





# Aboriginal Site Recording Form

AHIMS Registrar  
PO Box 1967, Hurstville NSW 2220



## Office Use Only

Site Number 3 8 - 4 - 1 6 8 8

Date received / / Date entered into system / / Date catalogued / /

Entered by (I.D.)

## Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

## For Further Information Contact:

### ☐ Nominated Trustee

Title Surname First Name Initials

Organisation

Address

Phone number Fax

### ☐ Knowledge Holder

Title Surname First Name Initials

Organisation

Address

Phone number Fax

## Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Office Use Only

Client on system

☐

Client on system

☐

## Geographic Location

Site Name C T G M P A D 1 a r t e f a c t s

Easting 3 7 0 6 9 8 Northing 6 3 6 8 0 9 4 AGD/GDA GDA

Mapsheet B e r e s f i e l d 9 2 3 2 - 3 N

Zone 56 Location Method Non-Differential GPS

Other Registration

## Primary Recorder

Title Surname First Name Initials

M r S i m p s o n J o h n

Organisation H u n t e r W a t e r C o r p o r a t i o n

Address P O B o x 5 1 7 1 H R M C 2 3 1 0

Phone number 4 9 7 9 9 4 3 7 Fax 4 9 7 9 9 4 6 8

Date recorded 08/10/2013

Client on system

☐

Open Site



## General Site Information

## Closed Site

## Shelter/Cave Formation

- ☐ Boulder
- ☐ Wind erosion
- ☐ Water erosion
- ☐ Rock collapse

## Rock Surface Condition

- ☐ Boulder
- ☐ Sandstone platform
- ☐ Silica gloss
- ☐ Tessellated
- ☐ Weathered
- ☐ Other platform

## Condition of Ceiling

- ☐ Boulder
- ☐ Sandstone platform
- ☐ Silica gloss
- ☐ Tessellated
- ☐ Weathered
- ☐ Other platform

## Shelter Aspect

- ☐ North
- ☐ North East
- ☐ East
- ☐ South East
- ☐ South
- ☐ South West
- ☐ West
- ☐ North West

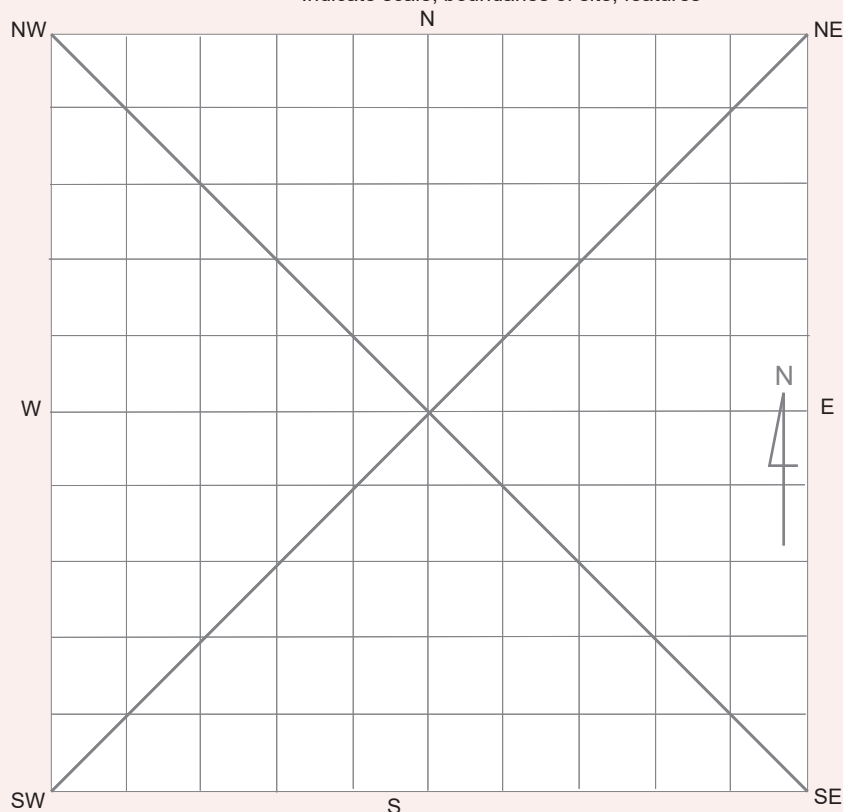
## Open Site

## Site Orientation

- ☐ N-S
- ☐ NE-SW
- ☐ E-W
- ☐ SE-NW
- ☒ N/A

## Features

- ☐ 1. Aboriginal Ceremony & Dreaming
- ☐ 2. Aboriginal Resource & Gathering
- ☐ 3. Art
- ☒ 4. Artefact
- ☐ 5. Burial
- ☐ 6. Ceremonial Ring
- ☐ 7. Conflict
- ☐ 8. Earth Mound
- ☐ 9. Fish Trap
- ☐ 10. Grinding Groove
- ☐ 11. Habitation Structure
- ☐ 12. Hearth
- ☐ 13. Non Human Bone & Organic Material
- ☐ 14. Ochre quarry
- ☐ 15. Potential Archaeological Deposit
- ☐ 16. Stone Quarry
- ☐ 17. Shell
- ☐ 18. Stone Arrangement
- ☐ 19. Modified Tree
- ☐ 20. Water Hole

Site Plan Indicate scale, boundaries of site, features

## Site Dimensions

## Closed Site Dimensions (m)

- Internal length
- Internal width
- Shelter height
- Shelter floor area

## Open Site Dimensions (m)

- Total length of visible site
- Average width of visible site
- Estimated area of visible site
- Length of assessed site area

## Aboriginal Community Interpretation and Management Recommendations

site to be protected

## Preliminary Site Assessment

## Site Cultural &amp; Scientific Analysis and Preliminary Management Recommendations

This site card is for a location where Aboriginal stone artefacts are buried.

The artefacts were collected from site CTGM PAD1 (38-4-1216) under AHIP #1125738 during construction works for a new water pipeline. The location is not to be disturbed. The artefact burial is documented in: "AHIP #1125738 Report: CTGM (Beresfield - Stony Pinch) Project (West)" Hunter Water Corporation (November 2013).

Also see site impact recording form for 38-4-1216.

This section should only be filled in by the Endorsees

**Endorsed by:** ☐ Knowledge Holder ☐ Nominated Trustee ☐ Native Title Holder ☐ Community Consensus

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

## Attachments (No.)

☐

A4 location map

☐

B/W photographs

☐

Colour photographs

☐

Slides

☐

Aerial photographs

☐

Site plans, drawings

☐

Recording tables

☐

Other

☐Feature inserts-No. 

## Comments

see "AHIP #1125738 Report: CTGM (Beresfield - Stony Pinch) Project (West)" Hunter Water Corporation (November 2013) for details.

## NPWS FEATURE RECORDING FORM - ARTEFACT

page 1

Site I.D.

Site Name

CTGM PAD1 artefacts

First recorded date

Importance

No. of instances

Recorded by

Yes No

Stone artefacts only

Artefacts collected

Permit issued

## Percentage of Non-stone Artefacts to Percentage of Stone Artefacts

0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%

## Feature Context &amp; Condition

Scatter No.

Easting

Northing

Density

Dimensions

Yes No

(Artefact count per square metre)

0.5

Length (m)

0.5

Width (m)

0.5

Depth (m)

In situ

Stratified

## Feature Condition

## General Condition

## Recommended Action

☐

Very good

☐

Weathered

☐

Boardwalk

☐

Revegetation

☐

Good

☐

Vehicle damage

☐

Fencing

☐

Signage

☐

Poor

☐

Surface water wash

☐

Closure to public

☐

Soil erosion control

☐

Fire damage

☐

Continued inspection

☐

Track closure/re-routing

☐

Erosion

☐

Fire hazard reduction

☐

Additional recording

☐

Stock damage

☐

Expert assessment

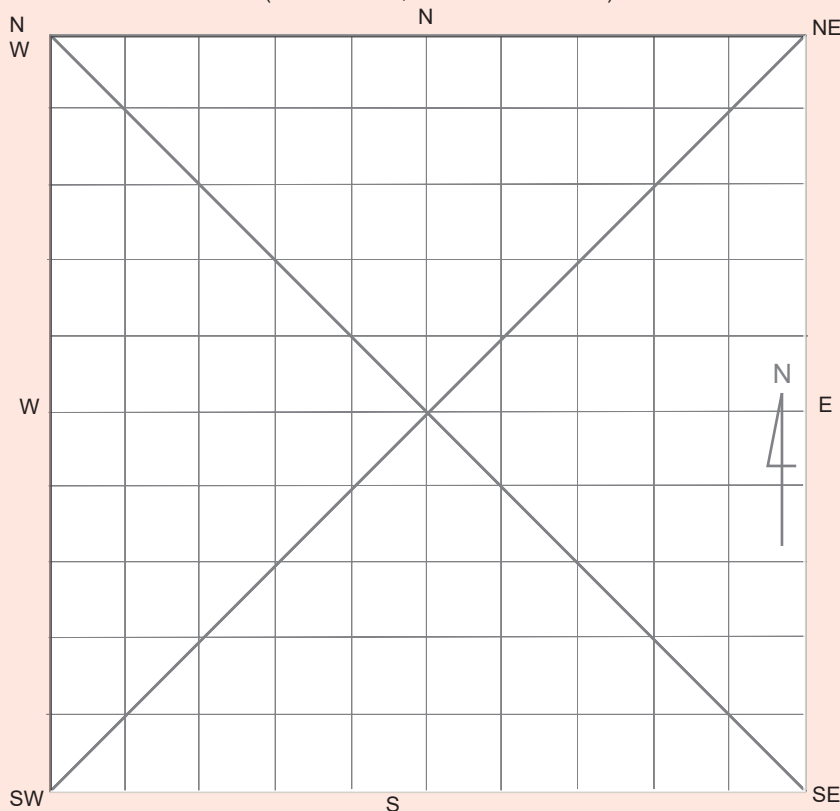
☐

Exposed archaeological material

☐

Meeting with land manager

## Feature Plan (Indicate scale, location of instances)



## Feature Environment

(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

## Water

Distance to permanent water source

metres

Distance to temporary water source

metres

Name of nearest permanent water source

Name of nearest temporary water



[illegible][illegible]

Material		Artefact Description		Platform Surface	Termination
Basalt	Clear glass	Adze	Flake tool	Cortex	Feather
Chert	Ceramic	Anvil	Flaked piece	Flake scar	Hinge
Fine grained siliceous	Porcelain	Axe	Hammerstone	More than one flake scar	Step
Granite	Tin can	Backed blade	Manuport	Faceted	Outrepasse
Quartz	Wire	Blade	Milling slab	Ground	Bipolar
Quartzite	Nail	Core	Mortar	Indeterminate	
Sandstone	Button	Core tool	Muller	Bipolar	
Silcrete	Shell	Cyclon	Nuclear tool		
Green glass	Bone	Distal fragment	Pirri		
Amber glass	Wood	Eloura	Proximal fragment	<b>Platform Type</b>	<b>Cross Section</b>
Amethyst glass	Resin	Flake	Tula	W	High/strong
			Other diagnostic type	Focal	High/weak
			Modified	Shattered	Low/weak
			Unworked	Indeterminate	Irregular
				Bipolar	

[illegible]

Site I.D.

Site Name

First recorded date

Importance

Aboriginal Information Recorded?

No. of instances

Recorded by

Feature description

No. of scars

No. of carved panels

Feature Condition

☐ Very good

☐ Good

☐ Poor

Condition

☐ Weathered

☐ Ringbarked

☐ Fire damage

☐ Vehicle damage

☐ Insects/termites

☐ Rot

☐ Limb fall

☐ Stock damage

Easting

Northing

Recommended Action

☐ Fencing

☐ Closure to public

☐ Continued inspection

☐ Expert assessment

☐ Fire hazard reduction

☐ Insect removal

☐ Meeting with land manager

☐ Rubbish removal

☐ Signage

☐ Tree health assessment

☐ Track closure/re-routing

☐ Additional recording

Feature environment (Complete when feature environment differs to site environment, use attributes from cover card, page 2)

Land form

Land form unit

Slope

Vegetation

Land use

Water

Distance to permanent water source  metres

Distance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

Feature Location Plan

Scar/Carved Panel Drawing

NW

N

NE

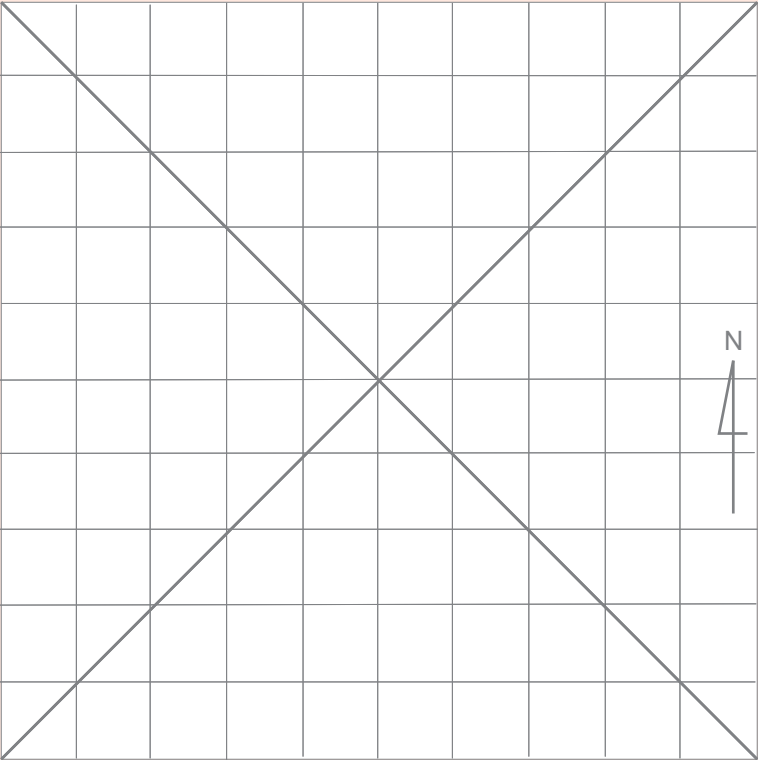
W

E

SW

S

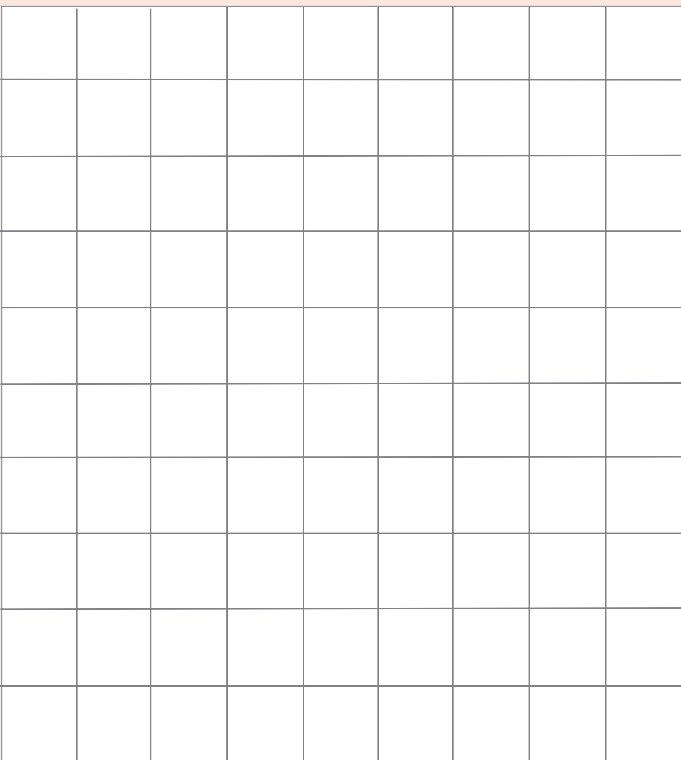
SE



Indicate scale

S

SE



Attach additional drawings

## page 2

[illegible]

Type of Tree	Tree Species	L i v i n g Status	Tree Status	Regrowth	Scar Shape	Carving Type	Axe Marks	Orientation
Carved Tree	Eucalypt	Dead	Standing	Yes	Oval	Linear	Metal	North East
Scarred Tree	Red Gum	Alive	Lying down	No	Rectangular	Geometric	Stone	East
Carved/Scarred Tree	Angotha	Dying	Partially felled		Square	Pictorial	Indeterminate	South East
			Subject to salinity		Round			South
			Not <i>in situ</i>		Other			South West
								West
								North West
								North



## NPWS FEATURE RECORDING FORM - GROOVE

page 1

Site I.D. Site Name First recorded date  /  / Importance 

Aboriginal Information Recorded?

No. of instances Recorded by 

## Feature Description

## Type of Grinding Feature

- ☐ Broad
- ☐ Narrow/point
- ☐ Hollow

## Profile Shape

- ☐ 'U' shaped
- ☐ 'V' shaped
- ☐ Flat

## Seed Species Present

Recording date  /  / 

## Groove Function

## Dimensions

## Smallest

## Largest

Length (mm) Length (mm) Groove count Width (mm) Width (mm) Cluster count Depth (mm) Depth (mm) 

## Feature Context &amp; Condition

Easting Northing 

## Dimensions of Whole Feature

 Length (m) Width (m)

## Feature Condition

- ☐ Very good
- ☐ Good
- ☐ Poor

## General Condition

- ☐ Weathered
- ☐ Vandalised

## General Condition ctd

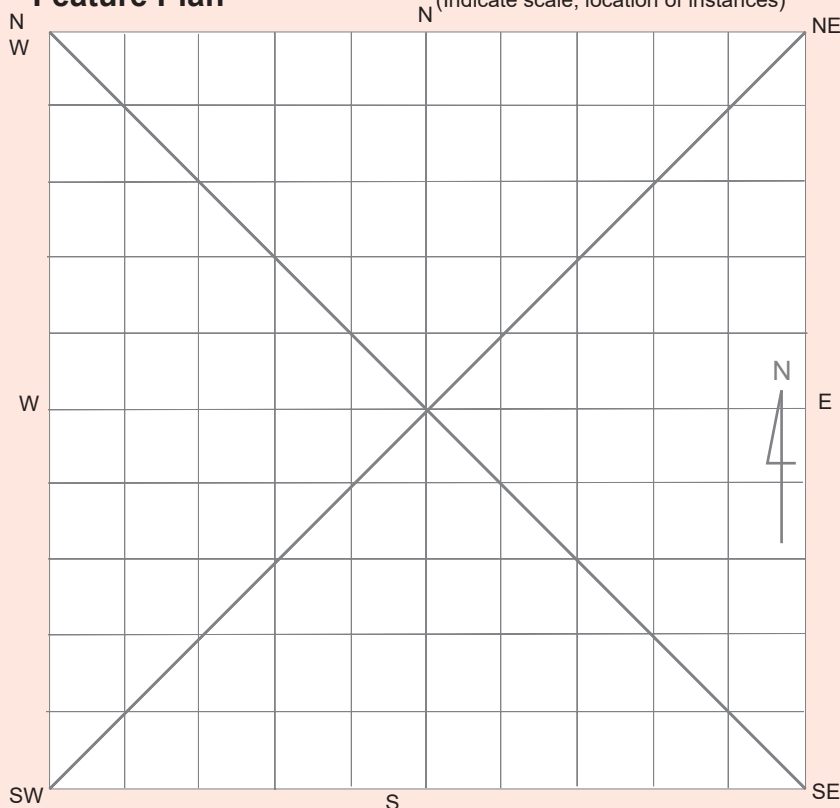
- ☐ Fire damage
- ☐ Surface water wash
- ☐ Graffiti
- ☐ Vehicle damage
- ☐ Erosion
- ☐ Stock damage

## Recommended Action

- ☐ Boardwalk
- ☐ Cage/barrier/fencing
- ☐ Closure to public
- ☐ Continued inspection
- ☐ Expert assessment
- ☐ Graffiti removal
- ☐ Meeting with land manager
- ☐ Revegetation
- ☐ Rubbish removal
- ☐ Signage
- ☐ Erosion control
- ☐ Track closure/re-routing
- ☐ Additional recording

## Feature Plan

(Indicate scale, location of instances)



## Feature Environment

(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

## Water

Distance to permanent water source  metresDistance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

Site I.D. Site Name First recorded date  /  / Importance 

Aboriginal Information

Recorded? No. of instances Recorded by **Feature Context  
& Condition**Easting  Northing Pigment ☐ Engraved ☐ Super-impositioning ☐**Artwork Condition**☐ Very good☐ Good☐ Poor**General Condition**☐ Weathered☐ Vandalised☐ Surface water wash☐ Mineralisation☐ Graffiti☐ Fire damage☐ Insects/termites☐ Erosion☐ Stock☐ Unstable structure**Recommended Action**☐ Boardwalk☐ Cage/barrier/fencing☐ Closure to public☐ Continued inspection☐ Dripline☐ Expert assessment☐ Fire hazard removal☐ Graffiti removal☐ Insect/bird nest removal☐ Meeting with land manager☐ Rubbish removal☐ Signage☐ Erosion control☐ Track closure/re-routing☐ Additional recording**Feature Environment**(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2) Land form Land form unit Slope Vegetation Land use**Water**Distance to permanent water source  metresDistance to temporary water source  metresName of nearest permanent water source Name of nearest temporary water **Art Sketch Plan**

Sketch and number motif groups



Motif			Application Technique	Main Colour	Art Location	Condition
Anthropomorphic	Female	Marine-Other	Abraded	Black	All over shelter surfaces	Faded
Bird	Fish	Other	Drawn	Mauve *	ceiling	Stained
Bird Track	Foot	Pattern	Other	N/A	Floor	Mineralisation Evident
Canoe	Hand	Quadruped	Painted	Orange *	Mostly near largest sheltered space	V brant Colours
Circle	Jellyfish	Reptile	Pekked	Other	Mostly on out of the way surfaces	Unweathered
Contact material culture	Kangaroo	Rifle	Pigment & Engraved	Red *	Other	Weathered
Duck	Line	Shield	Stencilled	White *	Wall	
Eel	Lizard	Ship	Form	Yellow *		
Emu	Macropod	Snake	Fill			
Emu track	Macropod Track	Spear	Line			
European figure	Male	Wallaby	Line+ Fill			
			Other			
			Pattern			

[illegible]



Site I.D. Site Name First recorded date  /  / Importance Aboriginal Information  
Recorded? No. of instances Recorded by **Feature Context  
& Condition**Easting Northing **Dimensions of Whole Feature**

Length (m)

Width (m)

Depth (m)

**Shell Distribution**☐

Surface scatter

Distance to high water mark (m)

☐

Stratified deposit

☐

Mounded

**Feature Condition**☐

Very good

☐

Good

☐

Poor

**General Condition**☐

Weathered

☐

Vandalised

☐

Surface water wash

☐

Mineralisation

☐

Graffiti

**General Condition ctd**☐

Fire damage

☐

Vehicle damage

☐

Insects/termites

☐

Erosion

☐

Stock damage

☐

Unstable structure

☐

Exposed bone material

☐

Exposed archaeological material

**Recommended Action**☐

Boardwalk

☐

Cage/barrier/fencing

☐

Closure to public

☐

Continued inspection

☐

Expert assessment

☐

Fire hazard removal

☐

Graffiti removal

☐

Meeting with land manager

☐

Insect/bird nest removal

☐

Revegetation

☐

Rubbish removal

☐

Signage

☐

Erosion control

☐

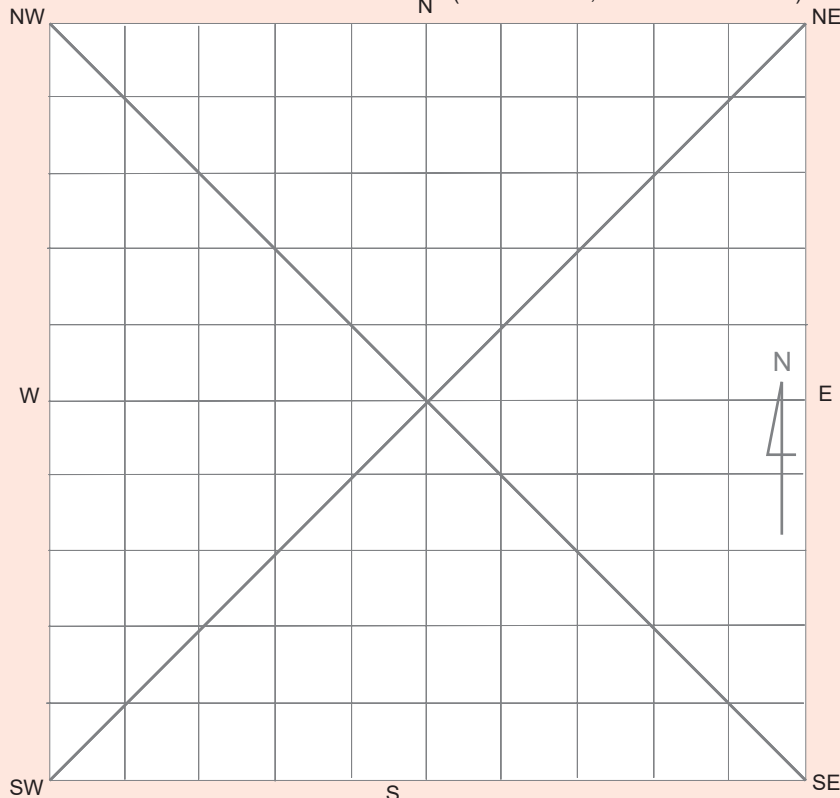
Track closure/re-routing

☐

Additional recording

**Feature Plan**

(Indicate scale, location of instances)

**Feature Environment**(Complete when *feature* environment differs to *site* environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

**Water**Distance to permanent water source  metresDistance to temporary water source  metres

Name of nearest permanent water source

Name of nearest temporary water

Species		Percentage of this Species Shell to Percentage Total of other Shell
Anadara	Nerita	0 – 9%
Bimbala	Ocean Snail	10 – 19%
Chiton	Periwinkle	20 – 29%
Cowrie	P	30 – 39%
Dog Cockle	Ribbed Cockle	40 – 49%
Duck Bill	Rock Oyster	50 – 59%
Limpit	Thiad	60 – 69%
Mud oyster	Triton	70 – 79%
Mutton Fish	Turban (large)	80 – 89%
		90 – 100%

[illegible]



# Aboriginal Site Recording Form

AHIMS Registrar  
PO Box 1967, Hurstville NSW 2220



## Office Use Only

Site Number

Date received  /  /  Date entered into system  /  /  Date catalogued  /  /

Entered by (I.D.)

## Information Access

☐ Gender/male ☐ Gender/female ☐ Location restriction ☐ General restriction ☐ No access

## For Further Information Contact:

### ☐ Nominated Trustee

Title  Surname  First Name  Initials   
Organisation   
Address   
Phone number  Fax

### ☐ Knowledge Holder

Title  Surname  First Name  Initials   
Organisation   
Address   
Phone number  Fax

## Aboriginal Heritage Unit or Cultural Heritage Division Contacts

Office Use Only

Client on system

☐

Client on system

☐

## Geographic Location

Site Name

Easting  Northing  AGD/GDA

Mapsheet

Zone  Location Method

Other Registration

## Primary Recorder

Title  Surname  First Name  Initials   
Organisation   
Address   
Phone number  Fax

Date recorded

Client on system

☐



OPEN/CLOSE SITE **Open Site**

## Site Context

## Landform

- ☐ Mountainous  
☐ Plain  
☒ Rolling hills  
☐ Steep hills  
☐ Undulating plain

## Landform Unit

- ☐ Beach  
☐ Coastal rock platform  
☐ Dune  
☐ Intertidal flat  
☐ Lagoon  
☐ Tidal Creek

☐ Tidal Flat☐ Cliff☐ Crest☐ Flat☐ Lower slope☐ Mid slope☐ Upper slope☐ Plain☐ Ridge☐ Tor☐ Valley flat☐ Levy☐ Stream bank☒ Stream channel☐ Swamp☐ Terrace☐ Terrace flat

## Slope

&lt;5 degrees

## Vegetation

- ☐ Closed forest  
☐ Grasslands  
☐ Isolated clumps of trees  
☐ Open forest  
☒ Open woodland  
☐ Scrub  
☐ Woodland  
☐ Cleared  
☐ Revegetated  
☐ N/A

## Land use

- ☐ Conservation  
☐ Established urban  
☐ Farming-intensive  
☐ Farming-low intensity  
☐ Forestry  
☐ Industrial  
☒ Mining  
☒ Pastoral/grazing  
☐ Recreation  
☐ Semi-rural  
☐ Service corridor  
☐ Transport corridor  
☐ Urban expansion  
☐ N/A

## Water

Distance to permanent water source &lt; 50 metres

Distance to temporary water source &lt; 50 metres

Name of nearest permanent water source V i n e y C r k

Name of nearest temporary water

## Directions for Relocation


## Current Land Tenure

☐ Public National Park / other Government Dept.☒ Private

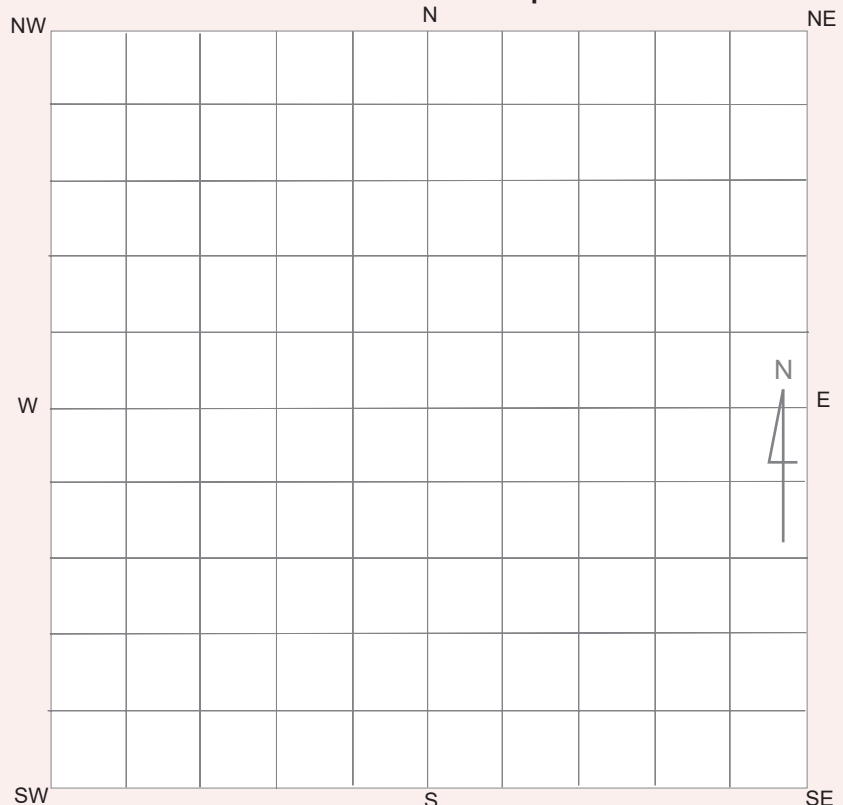
## Primary report

I.D. (I.D. Office Use only)

Kuskie, P. 2015 Abel Underground Mine: Modification

4 - Aboriginal Cultural Heritage Assessment.

## Site Location Map



## General Site Information

## Closed Site

## Shelter/Cave Formation

- ☐ Boulder
- ☐ Wind erosion
- ☐ Water erosion
- ☐ Rock collapse

## Rock Surface Condition

- ☐ Boulder
- ☐ Sandstone platform
- ☐ Silica gloss
- ☐ Tessellated
- ☐ Weathered
- ☐ Other platform

## Open Site

## Site Orientation

- ☐ N-S
- ☐ NE-SW
- ☐ E-W
- ☐ SE-NW
- ☐ N/A

## Condition of Ceiling

- ☐ Boulder
- ☐ Sandstone platform
- ☐ Silica gloss
- ☐ Tessellated
- ☐ Weathered
- ☐ Other platform

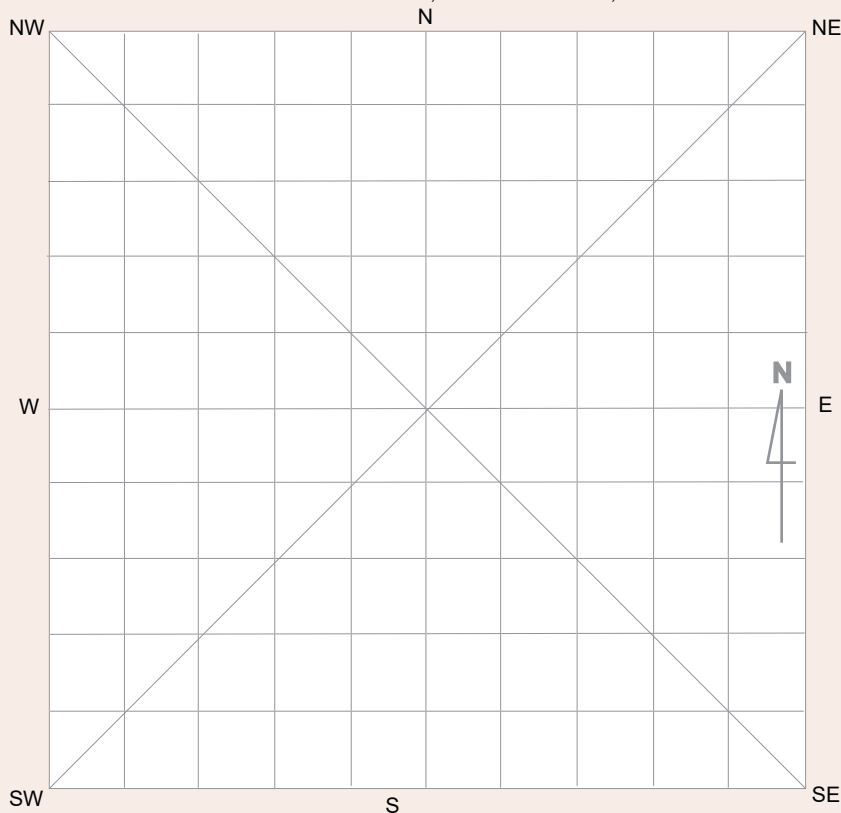
## Shelter Aspect

- ☐ North
- ☐ North East
- ☐ East
- ☐ South East
- ☐ South
- ☐ South West
- ☐ West
- ☐ North West

## Features

- ☐ 1. Aboriginal Ceremony & Dreaming
- ☐ 2. Aboriginal Resource & Gathering
- ☐ 3. Art
- ☒ 4. Artefact
- ☐ 5. Burial
- ☐ 6. Ceremonial Ring
- ☐ 7. Conflict
- ☐ 8. Earth Mound
- ☐ 9. Fish Trap
- ☐ 10. Grinding Groove
- ☐ 11. Habitation Structure
- ☐ 12. Hearth
- ☐ 13. Non Human Bone & Organic Material
- ☐ 14. Ochre quarry
- ☐ 15. Potential Archaeological Deposit
- ☐ 16. Stone Quarry
- ☐ 17. Shell
- ☐ 18. Stone Arrangement
- ☐ 19. Modified Tree
- ☐ 20. Water Hole

## Site Plan Indicate scale, boundaries of site, features



## Site Dimensions

## Closed Site Dimensions (m)

- Internal length
- Internal width
- Shelter height
- Shelter floor area

## Open Site Dimensions (m)

- Total length of visible site
- Average width of visible site
- Estimated area of visible site
- Length of assessed site area

**Aboriginal Community Interpretation and Management Recommendations**

Refer to report.

**Preliminary Site Assessment****Site Cultural & Scientific Analysis and Preliminary Management Recommendations**

Refer to report.

This section should only be filled in by the Endorsees

**Endorsed by:** ☐ Knowledge Holder ☐ Nominated Trustee ☐ Native Title Holder ☐ Community Consensus

Title

Surname

First Name

Initials

Organisation

Address

Phone number

Fax

**Attachments (No.)**☐

A4 location map

☐

B/W photographs

☐

Colour photographs

☐

Slides

☐

Aerial photographs

☐

Site plans, drawings

☐

Recording tables

☐

Other

☐Feature inserts-No. **Comments**

Refer to attachments for photographs, location plan and detailed site description.



## SITE NAME: AVC13/A

Site Type:	Isolated Artefact	MGA Grid Reference:	370524:6366621
Date Recorded:	24/3/2015	Topographic Map:	Beresfield 9232-3N
Recorder:	Jason Barr		
Landform Element:	Drainage Depression	Vegetation:	Regrowth
Slope:	Gentle	Ground Disturbance:	Low
Distance to Water:	<50		

Visible Extent of Surface Exposures: Length (m)	Visible Extent of Surface Exposures: Width (m)	Visible Extent of Evidence: Length (m)	Visible Extent of Evidence: Width (m)	Visible Locus Area (m <sup>2</sup> )	Mean Surface Visibility of Locus (%)	Mean Arch. Visibility of Locus (%)	Effective Locus Area (m <sup>2</sup> )	# of Artefacts	# of Artefacts per m <sup>2</sup> of Effective Locus Area	Sub-Surface Deposit
varies	varies	1	1	1	10	2	0.02	1	50	unlikely

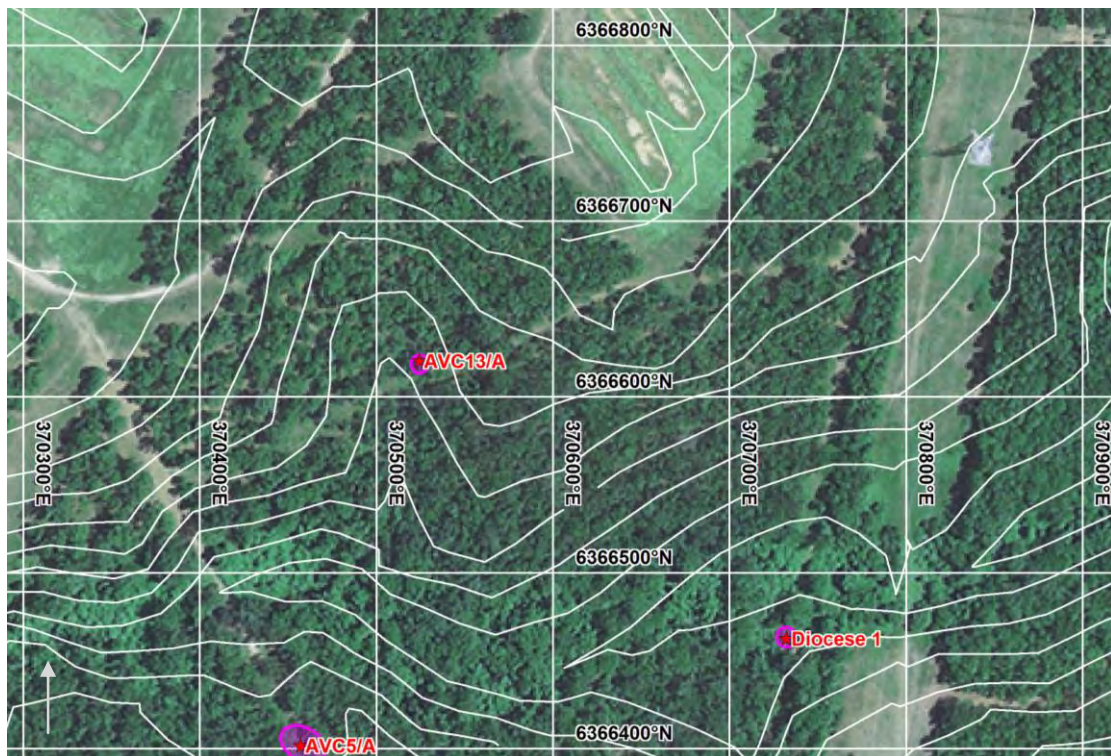
### Artefact Database:

Artefact #	Colour	Stone Material	Lithic Item Type	Dimensions (mm)	Cortex Amount (%)	Cortex Type	Comments	MGA Easting	MGA Northing
1	red	silcrete	flake	24x21x7				370524	6366621

### Additional Comments:

- ☐ Artefact along track;
- ☐ Light grass and leaf litter in cleared strip through forest;
- ☐ Eroded;
- ☐ Low research potential.

Site Location AVC13/A: (100 metre MGA grid; two metre contours)



Photograph AVC13/A: (view south-west)



# Appendix D

## Area proposed for AHIP

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