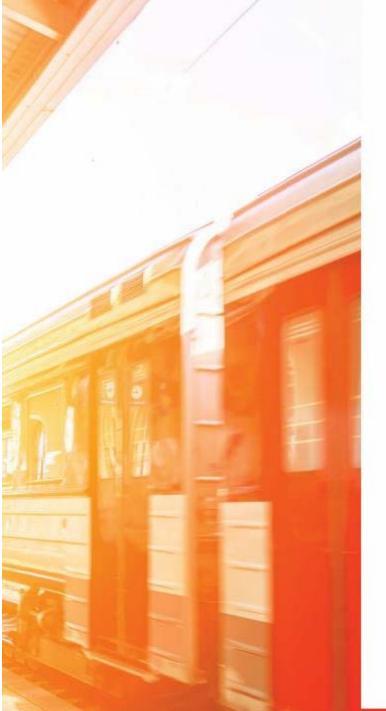
## ABORIGINAL CULTURAL HERITAGE ASSESSMENT





## Sydney Metro City & Southwest Chatswood to Sydenham

Aboriginal Cultural Heritage Assessment

Report to Jacobs / Arcadis / RPS October 2016



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## EXECUTIVE SUMMARY

#### **Project overview**

Sydney Metro is a new standalone rail network identified in Sydney's Rail Future. The Sydney Metro network consists of Sydney Metro City & Southwest and Sydney Metro Northwest.

The proposed Sydney Metro City & Southwest comprises two core components:

- The Chatswood to Sydenham project (the project), the subject of this technical paper, would involve construction and operation of an underground rail line between Chatswood and Sydenham
- The Sydenham to Bankstown upgrade would involve the conversion of the 13.5 kilometre Bankstown line to metro standards and upgrade of existing stations between Sydenham and Bankstown.

The Sydenham to Bankstown upgrade will be subject to a separate environmental impact assessment.

Investigations have started on the possible extension of Sydney Metro from Bankstown to Liverpool. The potential extension would support growth in Sydney's south west by connecting communities, businesses, jobs and services as well as improving access between the south west and Sydney's CBD. It would also reduce growth pressure on road infrastructure and the rail network, including the potential to relieve crowding on the T1 Western Line, T2 South Line and T2 Airport Line.

The Sydney Metro City & Southwest Chatswood to Sydenham project (the project) involves the construction and operation of a metro rail line. The project would be mainly located underground in twin tunnels extending from Chatswood on Sydney's north shore, crossing under Sydney Harbour, and continuing to Sydenham.

The key components of the project would include:

- About 15.5 kilometres of twin rail tunnels (that is, two tunnels located side-by-side) between Mowbray Road, Chatswood and north of Sydenham Station (near Bedwin Road, Marrickville)
- Realignment of the existing T1 North Shore Line surface track within the existing rail corridor between Chatswood Station and in the vicinity of Brand Street, Artarmon, including a new bridge for a section of the 'down' (northbound) track to pass over the proposed northern dive structure
- About 250 metres of aboveground metro tracks between Chatswood Station and the Chatswood dive structure
- A dive structure (about 400 metres long) and tunnel portal south of Chatswood Station and north of Mowbray Road, Chatswood (the Chatswood dive structure)
- A substation (for traction power supply) at Artarmon
- Metro stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street and Waterloo; and new underground platforms at Central Station
- A dive structure (about 400 metres long) and tunnel portal between Sydenham Station and Bedwin Road, Marrickville (the Marrickville dive structure)
- A services facility (for traction power supply and an operational water treatment plant) adjacent to the Marrickville dive structure.

The project would also include a number of ancillary components, including new overhead wiring and alterations to existing overhead wiring, signaling, access tracks / paths, rail corridor fencing, noise walls, fresh air ventilation equipment, temporary and permanent alterations to the road network, facilities for pedestrians, and other construction related works.



#### Approach to Aboriginal heritage assessment

Artefact Heritage was engaged to prepare an Aboriginal heritage assessment for inclusion in the environmental impact statement for the project. This assessment identified the potential for intact natural soil/sand horizons to be present at seven proposed works sites within the study area. Further archaeological investigation is recommended at these sites.

This ACHAR has been prepared within the context of the NSW Office of Environment and Heritage (OEH) 'Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation<sup>1</sup>, the OEH 'Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW<sup>2</sup> and the OEH 'Aboriginal cultural heritage consultation requirements for proponents 2010'.<sup>3</sup>

The objectives of this ACHAR are to:

- Assess the Aboriginal cultural heritage values of the study area, including archaeological and community cultural values, and the significance of identified values
- Identity Aboriginal cultural heritage values that may be impacted by the project, including consideration of cumulative impacts, and measures to avoid significant impacts
- Ensure appropriate Aboriginal community consultation in the assessment process
- Identify any recommended further investigations, mitigation and management measures.

<sup>&</sup>lt;sup>1</sup> Department of Environment and Conservation 2005

<sup>&</sup>lt;sup>2</sup> OEH 2011

<sup>&</sup>lt;sup>3</sup> Department of Environment, Climate Change and Water 2010

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## 1.0 INTRODUCTION AND BACKGROUND

#### 1.1 Project background

Sydney Metro is a new standalone rail network identified in Sydney's Rail Future. The Sydney Metro network consists of Sydney Metro City & Southwest and Sydney Metro Northwest.

The proposed Sydney Metro City & Southwest comprises two core components:

- The Chatswood to Sydenham project (the project), the subject of this technical paper, would involve construction and operation of an underground rail line between Chatswood and Sydenham
- The Sydenham to Bankstown upgrade would involve the conversion of the 13.5 kilometre Bankstown line to metro standards and upgrade of existing stations between Sydenham and Bankstown.

Both components are subject to assessment by the Department of Planning and Environment and approval by the Minister under Part 5.1 of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act). The Chatswood to Sydenham Environmental Impact Statement was placed on exhibition for public comment in May 2016. The Sydenham to Bankstown upgrade will be subject to a separate environmental impact assessment and separate Aboriginal cultural heritage study.

Sydney Metro Northwest (formerly the North West Rail Link) is currently under construction, and services will start in the first half of 2019. This includes a new metro rail line between Rouse Hill and Epping and conversion of the existing rail line between Epping and Chatswood to metro standards.

The Sydney Metro Delivery Office has been established as part of Transport for NSW to manage the planning, procurement and delivery of the Sydney Metro network.

The Sydney Metro rail network is shown in Figure 1.

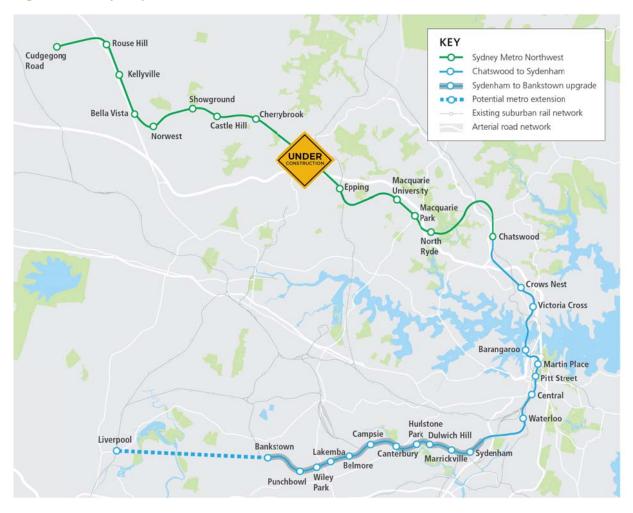


Figure 1: The Sydney Metro network

### 1.2 Overview of the project

#### 1.2.1 Location

The Sydney Metro City & Southwest Chatswood to Sydenham (the project) involves the construction and operation of a metro rail line. The project is largely comprised of underground twin tunnels extending from Chatswood on Sydney's north shore, crossing under Sydney Harbour, and continuing to Sydenham.

#### 1.2.2 Key features

The proposed alignment and key operational features of the project would include (Figure 2):

- Realignment of T1 North Shore Line surface track within the existing rail corridor between Chatswood Station and Brand Street, Artarmon, including a new bridge for a section of the 'down' (northbound) track to pass over the proposed northern dive structure
- About 250 metres of aboveground metro tracks between Chatswood Station and the Chatswood dive structure
- A dive structure (about 400 metres long) and tunnel portal south of Chatswood Station and north of Mowbray Road, Chatswood (the Chatswood dive structure)

- About 15.5 kilometres of twin rail tunnels (that is, two tunnels located side-by-side) between Mowbray Road, Chatswood and Bedwin Road, Marrickville. The tunnel corridor would extend about 30 metres either side of each tunnel centre line and around all stations
- A substation (for traction power supply) in Artarmon, next to the Gore Hill Freeway, between the proposed Crows Nest Station and the Chatswood tunnel portal
- Metro stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street and Waterloo; and new underground platforms at Central Station
- A dive structure (about 400 metres long) and tunnel portal between Sydenham Station and Bedwin Road, Marrickville (the Marrickville dive structure)
- A services facility beside the Marrickville dive structure and tunnel portal, including a tunnel water treatment plant and a substation (for traction power supply).

The proposed construction activities for the project broadly include:

- Demolishing buildings and structures at the station sites and other construction sites
- Constructing tunnels, dive structures and tunnel portals
- Excavating, constructing and fitting out metro stations
- Fitting out tunnel rail systems and testing and commissioning of stations, tunnels, ancillary infrastructure, rail systems and trains
- Excavating shafts, carrying out structural work and fitting out ancillary infrastructure at Artarmon
- Carrying out structural work and fitting out ancillary infrastructure at Marrickville.

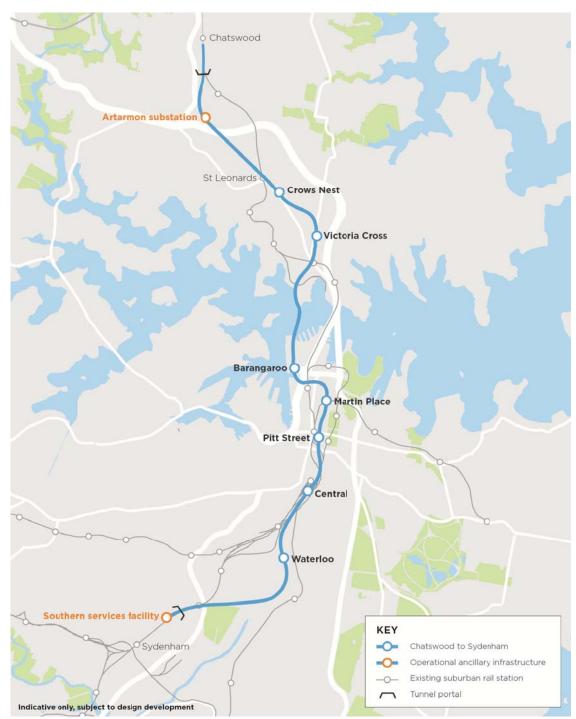
A number of construction sites would be required to construct the project. These include locations for tunnel equipment and tunnel boring machine (TBM) support at Chatswood, Barangaroo and Marrickville as well as at station sites; a casting yard and segment storage facility at Marrickville and a temporary tunnel boring machine (TBM) retrieval site at Blues Point.

#### 1.3 Submissions and Preferred Infrastructure Report (PIR) items

Since the exhibition of the Environmental Impact Statement, a number of clarifications, further impact assessments or changes to the project have been provided as part of the Submissions and Preferred Infrastructure Report for the project. The following changes or clarifications detailed in that report, as relevant for this report, are as follows:

- O'Connell Street future underground pedestrian link
- Barangaroo track cross-over
- Use of barges for the Barangaroo Station construction work
- Waterloo Station revised footprint
- Change in construction methodology for the northern surface track works, Chatswood
- Changes in scope at Central relocation of the services building, changes to the InterCity platforms and construction of stairs on platforms 20/21 and 22/23
- Provision of the Sydney Yard Access Bridge temporary construction site within the Sydney Yards at Central Station
- Revised design at Martin Place Station interchange.

The O'Connell Street future underground pedestrian link would be located in bedrock, and as such would not impact on natural contexts. The Barangaroo track cross-over, use of barges at Barangaroo, construction methodology changes at Chatswood and revised design at Martin Place would not impact on natural contexts. The revised footprint at Waterloo Station is a minor adjustment and consistent with the assessment of impacts provided in this report. Changes in scope at Central would be consistent with assessed impacts to potential Aboriginal archaeology and would not require additional assessment. Mitigation measures relevant to the project site would apply to the new scope.

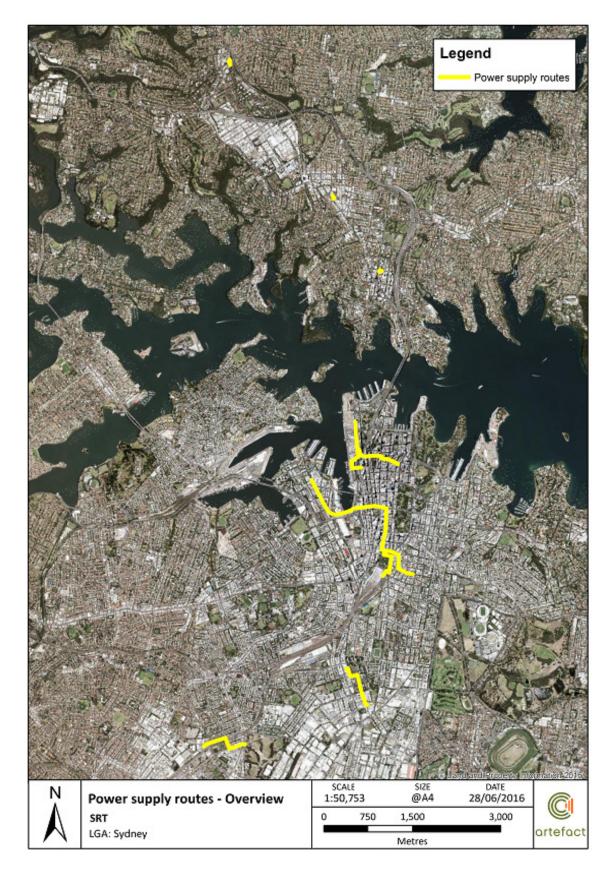


#### Figure 2: The project

#### 1.4 Power Supply Routes

A number of new power supply conduits would be required as part of the Sydney Metro project which connect new stations and dive sites with existing electricity substations (Figure 3). These conduits would be predominantly installed along existing road and service corridors. This chapter assesses possible archaeological impacts from the new power supply routes.

The power supply routes have been separated into different location areas for this assessment. The different supply routes are listed in Table 1.



#### Figure 3: Power supply routes overview

#### Table 1: Description of power supply routes

Site Code	Site	Description of Route
PSR 1	Chatswood Dive Site Supply	Hampden Road and Mowbray Road, Chatswood
PSR 2	Crows Nest Site Supply	Clarke Lane, Crows Nest
PSR 3	Victoria Cross Site Supply	Berry Street, North Sydney
PSR 4	Barangaroo / Hickson Road Site Supply	Hickson Road, Barangaroo, and Shelley Street, Lime Street, Erskine Street, Sydney.
PSR 5	Martin Place Site Supply	Napoleon Street, Margaret Street, George Street, Hunter Street, Castlereagh Street, Sydney.
PSR 6	Central Station Site Supply	Hay Street, Elizabeth Street, Eddy Avenue, Haymarket.
PSR 7	Marrickville Dive Site Supply	May Street, Council Street, St Peters and Lord Street, Newtown.
PSR 8	Pitt Street Site Supply	Pyrmont Street, Pyrmont; Western Distributor, Blackwattle Place, Druitt Street, Park Street, Pitt Street, Campbell Street Sydney; Mary Street and Albion Street, Surry Hills.

#### 1.5 The study area

For the purpose of this investigation, an 'assessment boundary' has been defined as a 25 metre buffer around each of the sites that incorporates the proposed design footprint and ancillary works, facilities and access ways to each area during construction between the Chatswood and Sydenham route alignment.

The application of a buffer allows for assessment of any potential design changes and any reference to the 'study area' in the following document is also referring to the 25 metre buffer, unless otherwise stated.

The indicative alignment for the project is shown in Figure 2. The alignment diverts from the North Shore Line rail corridor in the St Leonards area in an underground stratum towards Crows Nest and North Sydney to the east. For the purposes of assessment, works extend from north of the northern dive site at Chatswood to a southern dive site at Marrickville. The alignment extends under Sydney Harbour on the western side of the Sydney Harbour Bridge towards the Sydney CBD, before resurfacing north of Sydenham Station.

#### 1.6 Purpose and scope of this report

The purpose of this Aboriginal Cultural Heritage Assessment Report (ACHAR) is to assess the Aboriginal cultural heritage values of the study area, identify and assess Aboriginal heritage impacts of the project, detail Aboriginal community consultation and recommend management measures for heritage impacts. In doing so, it responds directly to the Environmental Impact Statement environmental mitigation measure AH2.

This report has been prepared in accordance with the Environmental Impact Statement mitigation measures relevant to Aboriginal heritage (AH1 to AH6), the NSW Office of Environment and Heritage (OEH) 'Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation<sup>4</sup>,

<sup>&</sup>lt;sup>4</sup> Department of Environment and Conservation 2005

the OEH 'Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW<sup>15</sup>, the OEH 'Aboriginal cultural heritage consultation requirements for proponents 2010<sup>6</sup>, the OEH 'Code of *Practice for Archaeological Investigation of Aboriginal Objects in New South Wales*<sup>17</sup> and in response to and in accordance with the OEH submission CSSI-15-7400 dated 27 June 2016.

This report includes:

- A description of the project and the extent of the study area
- A description of Aboriginal stakeholder consultation that has been conducted
- Discussion of the environmental context of the study area
- Discussion of the Aboriginal and historical context of the study area
- A summary of the archaeological context of the study area including a discussion of previous archaeological work in the area
- Description and analysis of archaeological potential
- A significance assessment and impact assessment of each portion of the study area
- Management and mitigation measures.

The report was authored by Claire Rayner (Heritage Consultant), Josh Symons (Principal) and Dr Sandra Wallace (Project Director) of Artefact Heritage.

Claire Rayner is a Heritage Consultant with 2 years of experience in consulting archaeology. She has worked on major infrastructure projects assessing impacts to both Aboriginal and non-Aboriginal heritage and archaeology. Josh Symons is a Principal with Artefact and has 14 years professional experience working across a wide range of heritage projects, predominantly road and rail. He has BA (Archaeology) with first class honours from the University of Sydney. Dr Sandra Wallace is Director at Artefact and has 15 years' experience in archaeology and heritage management. She has a PhD in Historic and Prehistoric heritage and a BA (Archaeology) with first class honours from the University of Sydney.

#### 1.7 Statutory requirements

#### Environmental Planning & Assessment Act (1979) (EP&A Act)

The EP&A Act establishes the framework for cultural heritage values to be formally assessed in the land use planning, development assessment and environmental impact assessment processes.

The project is assessed under Part 5.1 of the EP&A Act, which establishes an assessment and approval regime for State Significant Infrastructure. An Environmental Impact Statement has been prepared to assess the impacts of the project, in accordance with requirements issued by the Secretary of the Department of Planning and Environment (DP&E). The Environmental Impact Statement was placed on public exhibition from the 11 May to 27 June 2016.

#### National Parks and Wildlife Act (1974) (NPW Act)

The NPW Act, administered by the OEH provides statutory protection for all Aboriginal 'objects' (consisting of any material evidence of the Aboriginal occupation of NSW) under Section 90 of the Act, and for 'Aboriginal Places' (areas of cultural significance to the Aboriginal community) under Section 84.

<sup>&</sup>lt;sup>5</sup> OEH 2011

<sup>&</sup>lt;sup>6</sup> Department of Environment, Climate Change and Water 2010

<sup>&</sup>lt;sup>7</sup> OEH 2010

The protection provided to Aboriginal objects applies irrespective of the level of their significance or issues of land tenure. The NPW Act was amended in 2010 and as a result, the legislative structure for seeking permission to impact on heritage items has changed. A Section 90 permit is now the only Aboriginal Heritage Impact Permit (AHIP) available and is granted by the OEH. Various factors are considered by OEH in the AHIP application process, such as site significance, Aboriginal consultation requirements, Environmentally Sustainable Development (ESD) principles, project justification and consideration of alternatives. The penalties and fines for damaging or defacing an Aboriginal objects have also increased.

The project has been assessed under Part 5.1 of the EP&A Act and therefore permits issued under the NPW Act are not required, however relevant OEH guidelines (see Section 1.4) have been generally adhered to in reporting and consultation with Registered Aboriginal Parties (RAPs).

#### Aboriginal Land Rights Act (1983)

The Aboriginal Land Rights Act 1983 is administered by the NSW Department of Human Services -Aboriginal Affairs. This Act established Aboriginal Land Councils (at State and Local levels). These bodies have a statutory obligation under the Act to; (a) take action to protect the culture and heritage of Aboriginal persons in the council's area, subject to any other law, and (b) promote awareness in the community of the culture and heritage of Aboriginal persons in the council's area. The study area is located within the Metropolitan Local Aboriginal Land Council boundaries.

#### Native Title Act (1994)

The *Native Title Act 1994* was introduced to work in conjunction with the Commonwealth Native Title Act. Native Title claims, registers and Indigenous Land Use Agreements are administered under the Act. No Native Title Claims within the study area are shown in the National Native Title Tribunal (NNTT) 'Native Title Vision' mapping service.<sup>8</sup>

<sup>&</sup>lt;sup>8</sup> Accessed on 6 October 2015 <u>http://www.ntv.nntt.gov.au/IntraMaps80/default.htm?project=NTV\_NSW</u>

#### PREVIOUS ABORIGINAL HERITAGE INVESTIGATION 2.0

The purpose of the Aboriginal heritage archaeological assessment prepared for the Environmental Impact Statement was to identify and assess Aboriginal heritage impacts of the project. In doing so, it responds directly to the SEARs.

The Aboriginal heritage archaeological assessment was prepared within the context of the NSW Office of Environment and Heritage (OEH) 'Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation<sup>®</sup> and the OEH 'Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales<sup>10</sup> and included the following:

- A description of the project and the extent of the study area
- A description of Aboriginal stakeholder consultation that has been conducted
- Discussion of the environmental context of the study area
- Discussion of the Aboriginal and historical context of the study area •
- A summary of the archaeological context of the study area including a discussion of previous • archaeological work in the area
- Description and analysis of archaeological potential •
- Development of a significance assessment and impact assessment of each portion of the study area
- Development of management and mitigation measures. •

As part of the Aboriginal heritage archaeological assessment a number of mitigation measures were recommended to address potential impacts on Aboriginal heritage sites and areas of archaeological potential during construction (Table 2). These measures are included in chapter 27 of the Environmental Impact Statement. The recommendations were developed following consideration of:

- Statutory requirements under the National Parks and Wildlife Act 1974 as amended
- The results of the background research, site survey and assessment •
- Consultation with the MLALC.

This report has been prepared to satisfy mitigation measure AH2. As a result, mitigation measure AH2 has been modified in the Submissions and Preferred Infrastructure Report to make reference to this report.

<sup>&</sup>lt;sup>9</sup> Department of Environment and Conservation 2005 <sup>10</sup> OEH 2010

Ref	Mitigation measure	Applicable location(s) <sup>1</sup>	Addressed in this report
AH1	Aboriginal stakeholder consultation would be carried out in accordance with the NSW Office of Environment and Heritage's Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.	All	Section 3.0
AH2	<ul> <li>An Aboriginal cultural heritage assessment report would be prepared in accordance with the OEH <i>Guide to investigating, assessing and</i> <i>reporting on Aboriginal cultural heritage in NSW.</i> The Aboriginal cultural heritage assessment report would include:</li> <li>Details of Aboriginal stakeholder consultation conducted in accordance with AH1</li> <li>An assessment of cultural significance for the project area and</li> </ul>	All	This document Section 3.0 Section 5.0
	<ul> <li>identification of any specific areas of cultural significance based on consultation with Aboriginal stakeholders</li> <li>A methodology for archaeological management, including test</li> </ul>		
AH3	excavation and salvage (refer to AH3). Archaeological test excavation (and salvage when required) would be carried out where intact natural profiles with the potential to contain significant archaeological deposits are encountered at the Blues Point temporary site, Barangaroo Station, Martin Place Station, Pitt Street Station, Central Station, Waterloo Station and Marrickville dive site. Excavations would be conducted in accordance with the methodology outlined in the Aboriginal cultural heritage assessment report.	BP, BN, MP, PS, CS, WS and MDS	Section 6.0, excavation to be undertaken post approval
AH4	Appropriate Aboriginal heritage interpretation would be incorporated into the design for the project in consultation with Aboriginal stakeholders.	All	To be undertaken during detailed design
AH5	Feasible and reasonable mitigation at the ground improvement locations would be identified in consultation with the Office of Environment and Heritage.	GI	To be undertaken post approval if required
AH6	The Aboriginal cultural heritage assessment report would address areas of archaeological potential associated with the power supply routes.	PSR	Table 2 Section 4.4

Table 2: Aboriginal heritage mitigation	measures, as presented in the EIS
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### 3.0 CONSULTATION PROCESS

Aboriginal community consultation has been guided by OEH '*Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation*<sup>11</sup>, using the OEH '*Aboriginal cultural heritage consultation requirements for proponents*<sup>12</sup> as best practice. Consultation has been conducted for the entirety of the Sydney Metro route between Chatswood and Bankstown, encompassing both the Chatswood to Sydenham and the Sydenham to Bankstown upgrade projects.

A consultation log has been maintained which details all correspondence with registered Aboriginal stakeholders. The consultation log is attached to this report as Appendix A. All of the documentation collected during the consultation for the project can be found in Appendix C.

A representative of the MLALC attended the archaeological survey of proposed construction sites as part of the Environmental Impact Statement investigation, conducted on 8 November 2015 and 3 March 2016.

In accordance with step 4.1.2 of the OEH consultation requirements, Artefact Heritage corresponded with the following organisations by letter as part of the preparation of the ACHAR requesting the details of Aboriginal people who may hold cultural knowledge relevant to determining the Aboriginal significance of Aboriginal objects and/or places within and adjacent to the project area:

- Regional Operations Group, Metropolitan Region, OEH
- Metropolitan Local Aboriginal Land Council (MLALC)
- Gadangarra Local Aboriginal Land Council (GLALC)
- The Registrar, Aboriginal Land Rights Act 1983
- National Native Title Tribunal
- Native Title Services Corporation Limited (NTSCORP)
- City of Canterbury Council
- City of Sydney Council
- North Sydney Council
- Greater Sydney Catchment Management Authority.

In accordance with Step 4.1.3 of the consultation requirements, an advertisement was placed in the Sydney Morning Herald and Koori Mail on 4 May 2016. The advertisement invited all Aboriginal persons and organisations who hold cultural knowledge relevant to determining the significance of Aboriginal objects and places in the project area to register their interest by 18 May 2016. The newspaper notice is included as Appendix B.

In accordance with Step 4.1.3 of the consultation requirements, letters were sent to all 37 Aboriginal persons or organisations identified through responses from agencies contacted as part of Step 4.1.2 on 27 May 2016. The letters provided details about the location and nature of the project, as well as an invitation to register as an Aboriginal stakeholder for the project by 9 June 2016.

Following the completion of steps 4.1.2 and 4.1.3, twenty Aboriginal stakeholders registered as persons or organisations that may hold cultural knowledge relevant to determining the Aboriginal cultural values of the study area. The registered Aboriginal stakeholders are listed below.

• Darug Land Observations PTY LTD (DLO) – Gordon Workman

<sup>&</sup>lt;sup>11</sup> Department of Environment and Conservation 2005

<sup>&</sup>lt;sup>12</sup> Department of Environment, Climate Change and Water 2010

- Darug Land Observations PTY LTD (DLO) Jamie Workman
- Murri Bidgee Mullangari Aboriginal Corporation (MBMAC)
- Tocomwall
- Darug Aboriginal Cultural Heritage Assessments (DACHA)
- Kamilaroi-Yankuntjatjara Working Group (KYWG)
- Woronora Plateau Gundangarra Elders Council
- Aboriginal Archaeology Service INC (AAS)
- Gandangara Local Aboriginal Land Council
- Metropolitan Local Aboriginal Land Council
- Gundungurra Tribal Technical Services (GTTS) Peter Foster
- Gundungurra Tribal Technical Services (GTTS) David Bell
- Gundungurra Tribal Technical Services (GTTS) Chris Payne
- Aboriginal Heritage Office (North Sydney Council)
- Tony Williams
- Bilinga Cultural Heritage Technical Services
- Gunyuu Cultural Heritage Technical Services
- Munyunga Cultural Heritage Technical Services
- Murrumbul Cultural Heritage Technical Services
- Wingikara Cultural Heritage Technical Services

RAPs were provided with a letter outlining the ACHAR methodology for the Chatswood to Sydenham portion of the project on 10 July 2016. A separate ACHAR will be prepared for the Sydenham to Bankstown portion of the project. Comments were received in support of the methodology from KYWG, MBMAC, and GLALC. DACHA responded with concerns that there may be areas of potential around Chatswood Oval. Sandra Wallace discussed this with DACHA who were satisfied with the Artefact assessment of shallow soil profiles in the area. No other RAPs had comments on the methodology letter.

In accordance with Step 4.1.6 of the OEH consultation requirements, a list of registered Aboriginal stakeholders and a copy of the published Step 4.1.3 advertisement were forwarded to both OEH Environment Protection and Regulation, and the MLALC.

All RAPs were invited to attend an Aboriginal Focus Group (AFG) on 19 July 2016. The AFG provided an opportunity to discuss the project, including a presentation of key project details by TfNSW and an overview of the Aboriginal heritage assessment and proposed excavation methodology by Artefact.

All RAPs were sent a copy of the draft ACHAR and excavation methodology on 13 July 2016 with an invitation to provide comments on the document. Sixteen stakeholders have responded saying they support the ACHAR and excavation methodology overall. No comments were received that were unsupportive or required a response from Artefact.

Copies of all correspondence and a consultation log are included in Appendix B

# 4.0 SUMMARY AND ANALYSIS OF BACKGROUND INFORMATION

A detailed analysis of the background research conducted for this study is presented in the Aboriginal heritage archaeological assessment conducted for the Environmental Impact Statement<sup>13</sup>. This section contains a summary of that information. The assessment of archaeological potential (Section 4.4) is based on the background information presented in the Environmental Impact Statement and observations made during archaeological survey of the study area. Each of the proposed impact areas was subject to archaeological survey by an archaeologist from Artefact Heritage and a representative of MLALC.

#### 4.1 Environmental context

The study area is located within the Sydney Basin, a large depositional geological feature that spans from Batemans Bay to the south, Newcastle to the north and Lithgow to the west. The underlying geology of the study area consists in parts of Hawkesbury Sandstone, Ashfield Shale and Quaternary sediments. A summary of the specific geology, soil, landform and hydrology information for each work site is provided in Table 3.

#### 4.2 Aboriginal history and material culture

Evidence of Aboriginal occupation within NSW has been dated to 50-60,000 years Before Present (yBP) at Lake Mungo and up to 30,000 yBP in Parramatta.<sup>14</sup> The archaeological material record provides evidence of this long occupation, but also provides evidence of a dynamic culture that has changed through time.

The existing archaeological record is limited to certain materials and objects that were able to withstand degradation and decay. As a result, the most common type of Aboriginal objects remaining in the archaeological record are stone artefacts, followed by bone and shell. There is potential for Aboriginal objects to occur across the landscape.

The subject site was located across a landscape of varying subsistence resources. The tidally influenced mud flats associated with the mouth of the Tank Stream were located to the north of Martin Place and to the east of Barangaroo Station, while fresh water was available from the stream itself to the southwest in the vicinity of Pitt Street. Archaeological and historical records indicate that marine and estuarine resources formed an important part of the subsistence activities of the Aboriginal people that inhabited the Port Jackson area (Figure 3). Shellfish not only formed an important subsistence resource, but were also utilised as tools. Shell tools included fish-hooks, shell hafted onto spears in various forms, as a tool to repair spears, and as a cutting edge.<sup>15</sup> Other locally available raw materials, including quartz, were also favoured for cutting edges, and in some areas bordering readily abundant shellfish supplies in inner Sydney, quartz may have actually been favoured as a cutting edge.<sup>16</sup>

Prior to the appropriation of their land by Europeans, Aboriginal people lived in small family or clan groups that were associated with particular territories or places. It seems that territorial boundaries were fairly fluid, although details are not known. The language group spoken across Sydney was

<sup>&</sup>lt;sup>13</sup> Artefact Heritage 2016, Technical Paper 5 Sydney Metro Chatswood to Sydenham Aboriginal Heritage – Archaeological Assessment. Report to Jacobs/ Arcadis/ RPS: 14-36

<sup>&</sup>lt;sup>14</sup> JMcD CHM 2005.

<sup>&</sup>lt;sup>15</sup> Attenbrow 2010: 118.

<sup>&</sup>lt;sup>16</sup> Baker, N 2004, *Archaeological Salvage of an Aboriginal Site at William Street, East Sydney*, report to Zonie Construction and Design Pty Ltd: 31.

known as Darug (Dharruk – alternate spelling). This term was used for the first time in 1900, as before the 1800s language groups or dialects were not discussed in the literature.<sup>17</sup> The Darug language group is thought to have covered the area south from Port Jackson, north from Botany Bay, and west from Parramatta.<sup>18</sup>

The name Gadigal and its alternative spellings (Cadigal, Cadi) was used in the earliest historical records of the European settlement in Sydney to describe the Aboriginal band or clan that lived on the southern shore of Port Jackson, from South Head west to the Darling Harbour area. The term Eora is also used as a name for the Aboriginal people south of Port Jackson. The term Eora was likely a word used by the Gadigal people to refer to an Aboriginal person, rather than a reference to a clan or band in particular.<sup>19</sup> However, it became a widespread term for the Aboriginal people on the southern shore of Port Jackson and is currently used by Gadigal people to refer to the central Sydney area – referred to as 'Eora Country'.<sup>20</sup>See Section 5 for a detailed discussion of Aboriginal cultural heritage values specific to the study area.

#### 4.3 Aboriginal Heritage Information System search results

An Aboriginal Heritage Information System (AHIMS) basic search for the Chatswood area (Search 1) was undertaken on 11 July 2016. Details are included below:

Search 1:	GDA 1994 MGA 56	330600E - 331950E	
		6257000N – 6259650N	
	Buffer	0 metres	
	Number of sites	0	
	AHIMS Search ID	233535	

No AHIMS sites were identified within the Search 1 area and subsequently an extensive search for the Chatswood area was not required.

Two extensive AHIMS searches (Search 2 and 3) were undertaken on 11 July 2016 to determine whether Aboriginal sites had been recorded within the study area (excluding the Chatswood study area identified in Search 1) and to ascertain its archaeological context. The searches encompassed the study area within the following coordinates:

Search 2:	GDA 1994 MGA 56	331950E – 336700E 6254000N – 6258800N
	Buffer	50 metres
	Number of sites	115
	AHIMS Search ID	233537
Search 3:	GDA 1994 MGA 56	329500E - 335160E
		6243800N – 6254000N
	Buffer	50 metres
	Number of sites	91
	AHIMS Search ID	233538

Figure 4 shows the location and extent of AHIMS search areas 1, 2 and 3.

<sup>&</sup>lt;sup>17</sup> Matthews, RH and Everitt, MM 1900, 'The Organisation, Language and Initiation Ceremonies of the Aborigines of the South-East Coast of N.S. Wales', *Journal and Proceedings of the Royal Society of NSW*, 34: 262-281; Attenbrow, V 2010, *Sydney's Aboriginal Past: Investigating the Archaeological and Historical Records. 2nd Edition*, University of New South Wales Press Ltd, Sydney: 31.

<sup>&</sup>lt;sup>18</sup> Attenbrow 2010: 34.

<sup>&</sup>lt;sup>19</sup> Ibid: 22, 35-36.

<sup>&</sup>lt;sup>20</sup> City of Sydney Council 2002, Indigenous History of City of Sydney, viewed 21 September 2012, http://www.cityofsydney.nsw.gov.au/barani/

Further details of registered Aboriginal sites in each study area are provided in Technical Paper 5 – Aboriginal Heritage. The location of sites in relation to the worksites are summarised in Table 4.

The location of recorded Aboriginal sites in the study area is shown in Figure 5, Figure 6 and Figure 7.

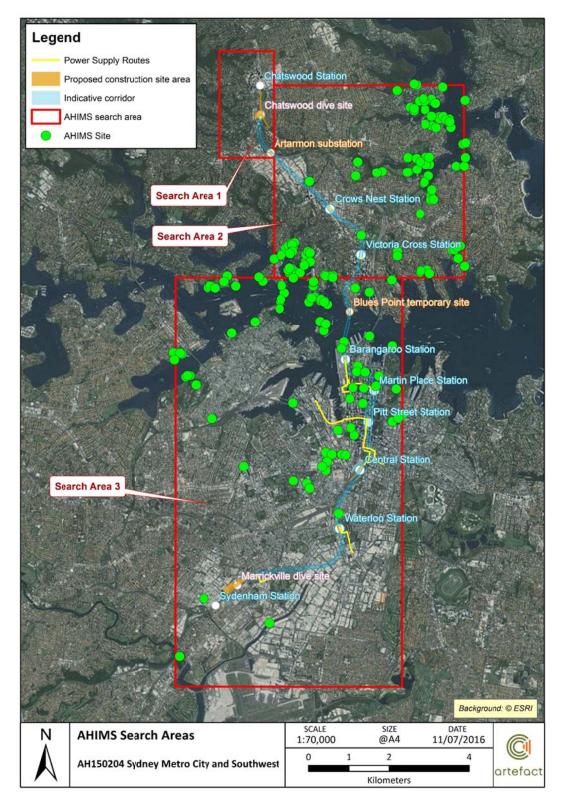
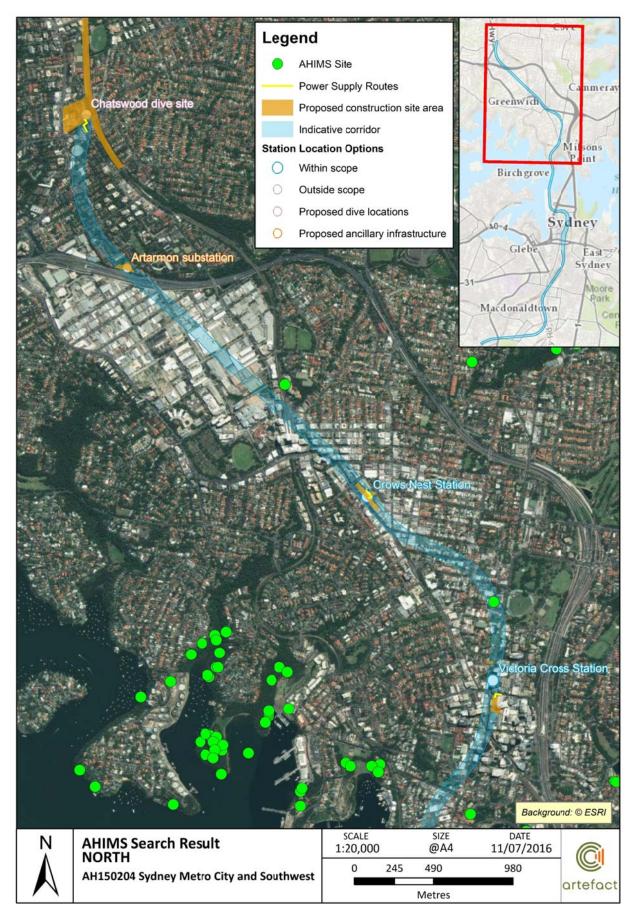


Figure 4: Location of AHIMS sites within extensive search areas.

Figure 5: Location of AHIMS registered sites – northern portion of the study area



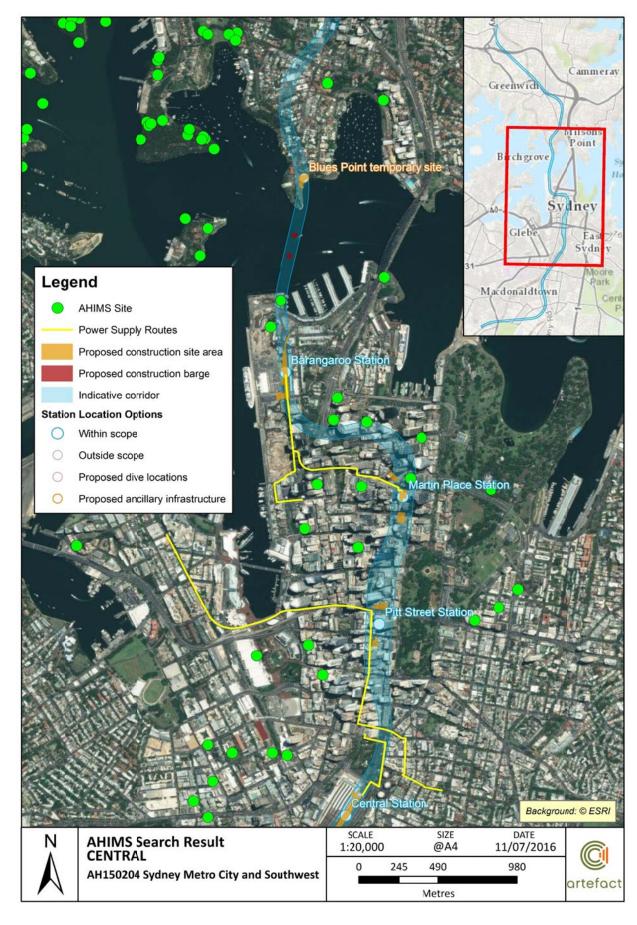
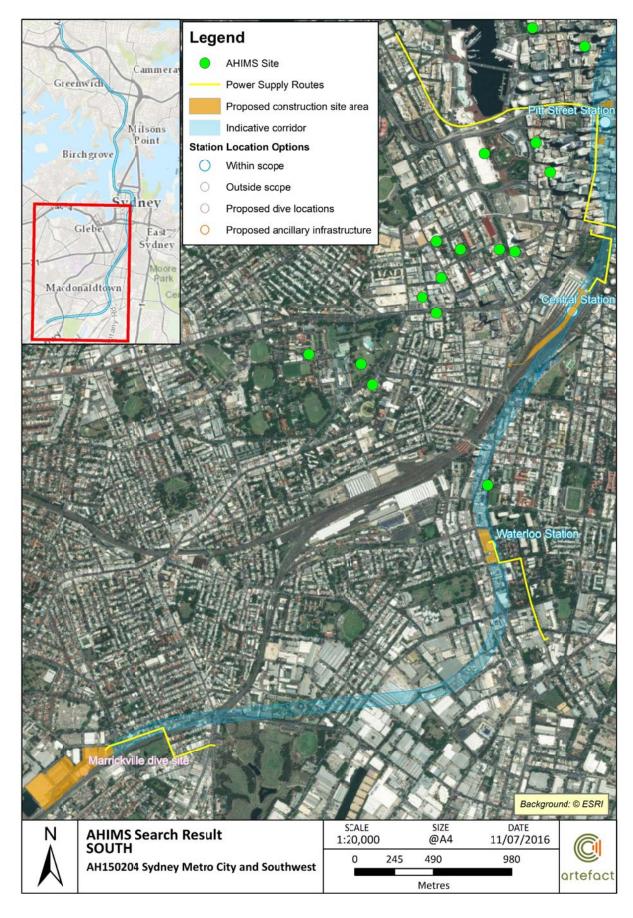


Figure 6: Location of AHIMS registered sites - central portion of the study area





#### Table 3: Summary of environmental context

Project Site	Geology	Soil	Landform	Hydrology	Geotechnical information	AHIMS Sites
Chatswood dive site	Ashfield Shale	Residual Blacktown and Glenorie	Ridge crest	Swaines Creek 600m west Flat Rock Creek 750m southeast	Thin layer of fill (0.2m) overlying residual clay grading into gravelly clay	45-5-2938 1.6km south
Artarmon substation	Ashfield Shale	Glenorie	Ridge crest	Flat Rock Creek 900m south east Gore Creek 950m southwest	Not available, assumed to be shallow soils to bedrock	45-6-2938 1.2km south
Crows Nest Station	Ashfield Shale	Residual Blacktown	Undulating, north margin of ridge	Berrys Creek 700m southwest	Layer of clay fill (1m) overlying residual clay.	45-6-2938 925m northwest
Victoria Cross Station	Transition Ashfield Shale and Hawkesbury Sandstone	<sup>d</sup> Residual Blacktown and Gymea	Undulating, south margin of ridge	Heavily modified unnamed watercourses flowing into Sydney Harbour	Layer of fill (1.2m) overlying up to 4m of residual sandy clay to clayey sand associated with weathering Hawkesbury Sandstone.	45-6-2055 715m south
Blues Point temporary site	Hawkesbury Sandstone	Hawkesbury	Base of north/northwest trending ridgeline	Heavily modified margin of Sydney Harbour	Reclamation material (-3.6m AHD) overlying Hawkesbury Sandstone	45-6-1267 560m west

Project Site	Geology	Soil	Landform	Hydrology	Geotechnical information	AHIMS Sites
Barangaroo Station	Hawkesbury Sandstone	Gymea	Slope	Original shoreline of Darling Harbour	Road fill (0.5m) overlying up to 6.5m of reclamation material	45-6-0519 330m north; 45-6-1939 180m north
Martin Place Station	Hawkesbury Sandstone	Gymea	Flat	Tank Stream originally 240m west	Fill (2.3m) overlying residual clayey sand	45-6-2581 75m north
Pitt Street Station	n Ashfield Shale	Lucas Heights	Flat	Swamp associated with Tank Stream	Fill (2m) overlying residual clays	45-6-2838 380m north; 45-2637 380m southwest
Central Station	Hawkesbury Sandstone	Residual Blacktown Quaternary sand sheet	Undulating	Swamp associated with Tank Stream to the north, natural drainage north onto Estuarine flats bordering southern side of Cockle Bay	Layer of fill (1-1.5m) overlying sand (2m). Sand layer overlies a variable thick residual layer of clay associated with Ashfield Shale	330m

Project Site	Geology	Soil	Landform	Hydrology	Geotechnical information	AHIMS Sites
Waterloo Station	Hawkesbury Sandstone	Quaternary sand sheet	Flat	Shea Creek 900m south	Deep layer of Quaternary sand (up to 10m) beneath layers of fill	45-6-2597 275m north
Marrickville dive site	Ashfield Shale	Residual Blacktown Birrong	Flat	Adjacent to the former Gumbramorra Swamp	Layer of fill (0.7-1.3m) overlying silty clay alluvium which overlies residual sediments up to 7.5m deep.	45-6-2654 350m west
Power supply routes (PSR 1 – PSR 8)	Ashfield Shale, Hawkesbury Sandstone,	Residual soils, Quaternary sand sheet and alluvial soils	Undulating/ slop/ flat/ ridge crest	Includes close proximity to Sydney Harbour, former swamp areas, and areas on ridge crest some distance from higher order watercourses	No specific geotechnical information available for PSRs – see respective station entry for closest geotech information.	None
Sydney Harbour tunnel section	Hawkesbury Sandstone	Silty sand, seabed	Open depression	Beneath Sydney Harbour	Relatively deep rock palaeovalley below harbour floor between Blues Point and Millers Point.	None

#### 4.4 Archaeological implications and potential

The survivability of Aboriginal archaeological deposit on sites throughout the study area depends largely on the extent and nature of subsequent phases of historical construction activities. The excavation of basements or car parks substantially lowers the potential that intact archaeological deposit has survived.

In some cases, phases of construction can act to preserve intact natural soil profiles. For example, in the Sydney CBD area, excavation at William Street demonstrated that the sandstone footings from the first phase of building construction had acted to protect the underlying Aboriginal archaeological deposit during subsequent demolition and deposition of fill across the site.<sup>21</sup>

In comparison, identified Aboriginal archaeological deposit at Angel Place was largely destroyed by subsequent building construction and other related activities bordering the Tank Stream.<sup>22</sup> Only a very small portion of archaeological deposit remained intact.

The background research conducted for this assessment has identified various factors that indicate levels of archaeological potential at each work site. These factors include the pre-contact environment, relationship to water sources, underlying geology and soil landscape and the levels of disturbance post-contact.

The power supply routes would generally be located within road corridors utilising existing utility routes. Where the power supply routes are located outside of these disturbed areas (ie within property boundaries that may have intact soils) and may encounter intact A soil horizons and Quaternary sands it is possible that these power supply routes would impact intact archaeological deposits.

The archaeological potential of each project site was assessed during the assessment conducted for the Environmental Impact Statement. This archaeological potential is summarised in Table 4.

Note that the archaeological potential of tunnel locations is assumed to be nil as tunnelling would occur through bedrock. Only the surface project sites have been assessed by the Environmental Impact Statement and discussed in this ACHAR.

#### 4.4.1 Assessment of archaeological potential

The assessment of archaeological potential outlined for each site in Table 4 is not an assessment of the likelihood of natural contexts remaining in those areas, but instead is an assessment of the archaeological potential of any remaining contexts at each worksite, should they survive.

Location	Archaeological potential
Chatswood dive site (northern)	<b>Low</b> – The site is located on a crest away from major watercourses and is likely to contain shallow soils (associated with Ashfield Shale). Construction of commercial buildings, roads and a large rail cutting is likely to have impacted or removed archaeological deposits.
Artarmon substation	<b>Low</b> – The site has been subjected to high levels of surface disturbance, including construction and subsequent demolition of a dwelling and construction activities associated with the Gore Hill Freeway. These developments are likely to have impacted or removed archaeological deposits.

#### Table 4: Summary of archaeological potential for the project area

<sup>21</sup> Baker 2004

<sup>22</sup> Godden Mackay 1997

Location	Archaeological potential
Crows Nest Station	<b>Low</b> – The site is located on a crest away from major watercourses and is likely to contain shallow soils (associated with Ashfield Shale). Construction of commercial buildings, roads and a large rail cutting is likely to have impacted or removed archaeological deposits.
Victoria Cross Station	<b>Low</b> – The site is located on a crest away from major watercourses and is likely to contain shallow soils (associated with Ashfield Shale and crest landscapes of Hawkesbury Sandstone). Construction of commercial buildings, roads and underground services is likely to have impacted or removed archaeological deposits.
Blues Point temporary site	<b>Moderate</b> – Although the site is likely to have been frequently used by Aboriginal people (due to its shoreline location), the development of a wharf and boat launching infrastructure is likely to have removed or significantly altered the original landform of the site. There is however some evidence of a possible natural landform in the northwest portion of the site.
Barangaroo Station	<b>Moderate to high</b> – Archaeological potential has been identified within the western portion of the Barangaroo Station footprint. This archaeological potential relates to the possible survivability of buried shell midden deposits associated with the original shoreline of Darling Harbour.
	The north-eastern portion of the Barangaroo Station footprint does not demonstrate archaeological potential due to the large-scale removal of the original sandstone context.
Martin Place Station	<b>Moderate to high</b> – Discrete portions of surviving archaeological deposit containing Aboriginal objects may occur in very small areas. The location of Martin Place Station within the Tank Stream catchment and within 250 metres of that watercourse suggests potential for Aboriginal objects below the ground surface in areas that have not been significantly impacted or excavated (for example, during the construction of building basements and / or underground car parks).
Pitt Street Station	<b>Moderate to high</b> – The location of Pitt Street Station in a low-lying and gently sloping area around the headwaters of the Tank Stream suggests potential for Aboriginal objects below the ground surface in areas that have not been significantly impacted or excavated (for example, during the construction of building basements and / or underground car parks).
Central Station	<b>Moderate to high</b> – There are likely to have been significant, although not necessarily comprehensive, sub-surface impacts across the site from construction of the station, including underground excavation for access tunnels, and the establishment and possible landform modifications for laying the extensive network of rail lines to the south of Central Station.
	The site's location on a raised, well-drained area close to estuarine resources at Cockle Bay indicates potential for Aboriginal objects to be present below the ground surface in areas that have not been significantly impacted or excavated.
Waterloo Station	<b>Moderate to high</b> – There are likely to have been significant, although not necessarily comprehensive, sub-surface impacts across the site from 19th and 20th century construction and installation of services.
	Notwithstanding, discrete portions of surviving archaeological deposit containing Aboriginal objects may occur beneath buildings and deep layers of introduced fill. There is moderate to high potential for Aboriginal objects to be present in sub- surface contexts where there have not been extensive sub-surface impacts.

Location	Archaeological potential
Marrickville dive site	<b>Moderate to high</b> – The site has been significantly modified by previous developments, including channelisation of the natural watercourse through the area to Cooks River, construction of large industrial estates, and the large-scale use of the area for brick-making (including the extraction of clay soil). These activities are likely to have impacted or removed archaeological deposits.
	Notwithstanding, a previous archaeological excavation in the local area (Etheridge, 1905) identified Dugong bones and stone artefacts at Alexandria Canal, demonstrating the potential for Aboriginal objects to be present in sub-surface contexts where there have not been extensive sub-surface impacts.
Power supply routes	<b>Low to high</b> – The PSR routes cover a variety of landform contexts and areas of potential archaeological sensitivity. Where the PSRs are installed in existing service cuts, archaeological potential will be low. Where the PSRs are installed into previously undisturbed ground, archaeological potential will be linked to assessment for associated station areas:
	PSR 1 – 3 (including Chatswood, Crows Nest and Victoria Cross) – Low PSR 4 – 6 and 8 (including Barangaroo, Pyrmont, Martin Place, Central Station) – Moderate to High PSR 7 – Marrickville dive site – Moderate to High
Sydney Harbour Tunnel Section	<b>Moderate to high</b> – Geotechnical investigation indicates the presence of a buried valley floor dating to the Pleistocene period.

# 5.0 SIGNIFICANCE ASSESSMENT

# 5.1 Aboriginal material culture

There are no registered AHIMS sites located within the project sites. The Environmental Impact Statement assessment did not identify any new previously unrecorded Aboriginal sites within the study area. Given the nature of development at each project site over the past 200 years this assessment has focussed on archaeological potential. Taking into account the environmental context, geotechnical information and land use history for each site, grades ranging from low to moderate to high have been assigned to each project site (Table 4). This section presents a significance assessment for the archaeological potential of each project site. The significance of the project sites would not be known with certainty until after archaeological excavation is completed and the significance of archaeological deposits can be assessed.

# 5.2 Significance assessment

An assessment of the cultural heritage significance of an item or place is required in order to form the basis of its management. OEH (2011) provides guidelines for heritage assessment with reference to the Burra Charter (Australia ICOMOS 2013) and the OEH guidelines (2001). The assessment is made in relation to four values or criteria (Table 5). In relation to each of the criteria, the significance of the subject area should be ranked as high, moderate or low.

In addition to the four criteria, OEH requires consideration of the following:

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

It is important to note that heritage significance is a dynamic value.

## Table 5: Heritage significance criteria

Criterion	Description
Social	The spiritual, traditional, historical or contemporary associations and attachments the place or area has for Aboriginal people. Social or cultural value is how people express their connection with a place and the meaning that place has for them. Does the subject area have strong or special association with the Aboriginal community for social, cultural or spiritual reasons?
Historic	Historic value refers to the associations of a place with a historically important person, event, phase or activity in an Aboriginal community. Is the subject area important to the cultural or natural history of the local area and/or region and/or state?



Criterion	Description
Scientific	This 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. Information about scientific values will be gathered through any archaeological investigation undertaken. Does the subject area have potential to yield information that will contribute to an understanding of the cultural or natural history of the local area and/or region and/or state?
Aesthetic	This refers to the sensory, scenic, architectural and creative aspects of the place. It is often linked with the social values. It may consider form, scale, colour, texture and material of the fabric or landscape, and the smell and sounds associated with the place and its use. Is the subject area important in demonstrating aesthetic characteristics in the local area and/or region and/or state?

## 5.2.1 Social significance

OEH specifies that the social or cultural value of a place must be identified through consultation with Aboriginal people.

No specific areas of cultural or social significance were identified through the consultation process.

In his review of the ACHAR Tony Williams commented that "Aboriginal people need to be able to shape the nature of cultural heritage and control their cultural knowledge is used by others" and that he "would like it know that this area has spiritual and cultural significant to my family and my ancestors passed and present".

GLALC commented that "as it is still Darug land, it would be great if the word Darug could be implemented as a street name or a park in the study area".

## 5.2.2 Historic significance

The study area has a rich and varied past as evidenced by the range of Aboriginal sites identified throughout the study area. At the last glacial maximum 20,000 years ago Sydney Harbour formed part of a vast valley<sup>23</sup>. Geotechnical investigations conducted for this assessment have identified the former valley floor. Sea levels reached their current levels around 6,000 years ago resulting in dramatic environmental changes<sup>24</sup>. The continuous occupation of the Cumberland Plain by Aboriginal people since at least 30,000 yBP<sup>25</sup> indicates a dynamic culture that responded to and thrived during these fluctuating environmental conditions. Following the colonisation of Sydney by the British, Aboriginal people continued to resist and survive amidst the appropriation of their lands and resources.

The study area includes locations in which the earliest contact between Aboriginal people and British colonists occurred. The European colonisation of Australia began with the establishment of a colony at Sydney Cove by Captain Arthur Phillip in January 1788 on land inhabited by the Gadigal people<sup>26</sup>. Given the swiftness and intensity of colonisation of the areas around Port Jackson, there is a paucity of information about the lifeways and subsistence practices of the Gadigal people living there. The archaeological record would contribute to a better understanding of the Gadigal people pre-contact and post-contact.

<sup>&</sup>lt;sup>23</sup> Karskens, G. 2010 The Colony: A History of Early Sydney. Allen and Unwin, Sydney: 29

<sup>&</sup>lt;sup>24</sup> Ibid: 30

<sup>&</sup>lt;sup>25</sup> Jo McDonald Cultural Heritage Management, 2005, 'Archaeological salvage excavation of site CG1 (NPWS #45-5-2648), at the corner of Charles and George Streets, Parramatta, NSW', for Meriton Apartments Pty Ltd.

<sup>&</sup>lt;sup>26</sup> Karskens 2010

Therefore, the study area is historically significant for the associations it has with the Gadigal people and other Aboriginal people in the past and continuing today.

No additional information on historical significance was noted during consultation.

## 5.2.3 Indicative scientific significance

The scientific significance assessment in Table 6 is indicative only and assumes archaeological deposits remains within the project sites. Where there are no remaining archaeological deposits and/ or Aboriginal objects there is no archaeological significance. The indicative scientific significance would be reassessed and may change following monitoring, test or salvage excavations.

## Table 6: Summary of indicative scientific significance

Work Site	Research Potential	Scientific Value	Representative Value	Rarity Value	Overall indicative significance assessment
Chatswood dive site	Low	Low	Low	Low	Low
Artarmon Substation	Low	Low	Low	Low	Low
Crows Nest Station	Low	Low	Low	Low	Low
Victoria Cross Station	Low	Low	Low	Low	Low
Blues Point temporary site	Moderate	Moderate	Moderate	Moderate	Moderate
Barangaroo Station	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High
Martin Place Station	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High
Pitt Street Station	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High
Central Station	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High
Waterloo Station	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High
Marrickville dive site	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High
PSR 1 – 3	Low	Low	Low	Low	Low
PSR 4 – 8	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High
Sydney Harbour Tunnel section	Moderate to High	Modera <b>t</b> e to High	Moderate to High	Moderate to High	Moderate to High

## 5.2.4 Aesthetic significance

The study area includes highly urbanised and modified landscapes or would be within subsurface tunnels. The study area is considered to be of low aesthetic significance.

No additional information on aesthetic significance was noted during consultation.

# 5.3 Statement of significance

The known archaeological resource of the study area indicates that there was a broad focus of Aboriginal land-use around Sydney Harbour and associated watercourses such as the Tank Stream. The geographical context of the study area includes a variety of landform types and subsistence resources, with previous archaeological investigations highlighting the significance of surviving Aboriginal sites in around the harbour foreshore, in the Sydney CBD area associated with the Tank Stream catchment, as well as across the Botany sand sheet and estuarine areas associated with Botany Bay.

The historic significance of the study area as a whole includes the association of this area with the first site of European colonisation at Sydney Cove and the impact that event had on Aboriginal people.

The potential significance of Aboriginal objects that may occur within the study area in those identified areas of higher archaeological potential is greater when considered in respect to the limited chances of Aboriginal archaeological deposits surviving in those areas. This is due to the generally high level of impact that has occurred to the natural landscape across the study area and the historic significance of the broader area.

Information from any archaeological objects identified in the study area during further investigation would contribute to understanding the diverse nature of Aboriginal land-use across the central Sydney.

The study area has been identified during consultation as generally culturally and socially significant to Aboriginal people.

# 6.0 AVOIDING AND MINIMISING HARM

# 6.1 Summary of impacts

## 6.1.1 The Chatswood dive site (northern)

The Chatswood dive site would be about 24,000 square metres in area and located adjacent to the T1 North Shore Line in Chatswood. The site formerly included a service station and is currently occupied by an Ausgrid depot and a number of commercial and retail buildings.

The tunnel dive structure and portal would be excavated in the eastern portion of the site. Other works involving subsurface impacts include track works and construction of a viaduct to facilitate adjustment of the North Shore Line. Ancillary facilities such as offices and laydown areas would be located in the western portion of the site.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at the Chatswood dive site.

Due to the landscape context and largely modified nature of the Chatswood dive site and surrounding area, the likelihood of intact artefact bearing archaeological deposits is considered to be low. Any Aboriginal objects that might be located within the impact area are likely to be within a disturbed context and would therefore be considered to be of low archaeological significance.

## 6.1.2 Artarmon substation

A traction substation is required to service the metro between Chatswood and Crows Nest. The proposed site is adjacent to the Gore Hill Freeway. The site is elevated above freeway level, with a retaining wall immediately below the site. A 3 metre internal diameter cable shaft is required to access the metro, which would intersect a cross-passage between the two running tunnels.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at the Artarmon substation site.

Due to the landscape context and largely modified nature of the Artarmon substation site and surrounding area, the likelihood of intact artefact bearing archaeological deposits is considered to be low. Any Aboriginal objects that might be located within the impact area would are likely to be within a disturbed context and would therefore be considered to be of low archaeological significance.

## 6.1.3 Crows Nest Station

Crows Nest Station is located to the south of the existing St Leonards Station and close to the entertainment and retail strip along Willoughby Road. The station box would be located between the Pacific Highway, Oxley Street, Clarke Lane and Hume Street. The station entrances would be from Clarke Street and corner of Pacific Highway and Oxley Street.

The Crows Nest Station construction site would be about 6,000 square metres. The site currently contains a variety of commercial and residential buildings.

The station excavation would comprise the majority of the site, necessitating a street level temporary working platform to be installed. Support services including office, amenities, spoil handling and storage, and workshops would be provided on the working platforms.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at the Crows Nest Station site.

Due to the landscape context and largely modified nature of the Crows Nest Station site and surrounding area, the likelihood of intact artefact bearing archaeological deposits is considered to be low. Any Aboriginal objects that might be located within the impact area are likely to be within a disturbed context and would therefore be considered to be of low archaeological significance.

## 6.1.4 Victoria Cross Station

Victoria Cross Station is located in the centre of the North Sydney central business district and has the potential to serve the northern and eastern commercial centres of North Sydney. The station box would be located under Miller Street between Berry Street and McLaren Street. The station entry would be from Miller Street.

Impacts would include excavation of the northern and southern shafts to enable station box construction, piling works, and construction of ancillary facilities.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at Victoria Cross Station.

Due to the landscape context and largely modified nature of the Victoria Cross Station site and surrounding area, the likelihood of intact artefact bearing archaeological deposits is considered to be low. Any Aboriginal objects that might be located within the impact area would are likely to be within a disturbed context and would therefore be considered to be of low archaeological significance.

## 6.1.5 Blues Point temporary site

The temporary site at Blues Point is proposed for the retrieval of the cutter heads from the TBMs coming from Chatswood and Barangaroo.

The Blues Point temporary site would be about 2,100 square metres and would be located within Blues Point Reserve at the end of Blues Point Road. The site currently contains public open space and a public road.

Construction works at this site would involve the excavation of a shaft to the tunnels below resulting in around 8,000 cubic metres of spoil being removed through the site. The cutter heads and shield of the TBMs from Chatswood and Barangaroo would be retrieved through this shaft. During retrieval of the TBM components, this site would expand to encompass the current car parking on Blues Point Road adjacent to the reserve and the end of Blues Point Road.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at the Blues Point Temporary Site.

A potentially truncated natural landform context was identified in the northwest corner of the site during the site inspection (Figure 8). The archaeological potential of this site has been assessed as moderate. Any Aboriginal objects and sites that may be identified within this area would therefore be considered to be of moderate archaeological significance. This area would be impacted by the temporary site. The remainder of the project site has been assessed as having a low archaeological potential due to intensive impacts by development which are likely to have removed any artefact bearing deposit.





## 6.1.6 Barangaroo Station

The proposed Barangaroo Metro Station would be located on Hickson Road next to the Barangaroo precinct on the west side of the Sydney CBD.

The Barangaroo Station construction site would cover about 13,800 square metres within the road reserve of Hickson Road and the adjacent Barangaroo development area (Figure 21). The site would be used to launch and support the tunnel boring machine for the Sydney Harbour crossing drive to Blues Point and to retrieve the cutter heads and shields of the two tunnel boring machines driven from the Marrickville dive site.

Excavation of the station box along Hickson Road would result in deep subsurface impacts. Other potential subsurface impacts include construction of services facilities and ancillary facilities such as offices and laydown areas.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at the Barangaroo Station site.

Areas that are likely to contain surviving natural shoreline contexts in association with the former shoreline of Darling Harbour along the western site of the Barangaroo Station site have been assessed as having a moderate-high archaeological potential. The remainder of the project site has been assessed as having a low Aboriginal archaeological potential. Any Aboriginal objects and sites that may be identified within this area would therefore be considered to be of moderate to high archaeological significance. This area would be impacted by the construction of Barangaroo Station.

## 6.1.7 Martin Place Station

Martin Place is a major urban public open space within the Sydney Central Business District, and it provides an important pedestrian connection between George Street and Macquarie Street. Martin Place has an existing station that serves the primary business district of the city.

The majority of subsurface impacts at Martin Place would be within areas that have been disturbed due to the creation of tunnels or other underground facilities or utilities. Subsurface impacts would arise from demolition of the existing plaza and subway, installation of new pedestrian subway and concourse, piling within the Prudential building footprint, and excavation of shafts to facilitate the excavation of the station box.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at Martin Place Station.

Any intact soil profile that may remain across the entire proposed Martin Place Station site would have a moderate-high archaeological potential. Any areas of Aboriginal archaeological potential are highly likely to exist in association with historical archaeological remains. Any Aboriginal objects that may be identified within this area are likely to be considered to be of moderate to high archaeological significance.

## 6.1.8 Pitt Street Station

Pitt Street Station is located within the midtown precinct of the Sydney CBD, with a strong retail focus, as well as a mix of commercial, residential and civic buildings.

The design involves a binocular station cavern arrangement with both platforms at the same level under Pitt and Castlereagh Streets. It has two separated entrances with the southern entry on Bathurst Street and the northern entry on the corner of Pitt and Park Street with the entry off Park Street.

Subsurface impacts will primarily result from the excavation of two shafts which will allow the construction of the station box. These shafts would be around  $15 \times 20$  m and  $8 \times 8$  m in area. Additional subsurface impacts are likely to occur across the construction site.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at Pitt Street Station.

Any intact soil profile that may remain across the entire proposed Pitt Street Station site would have a moderate-high archaeological potential. Any areas of Aboriginal archaeological potential are highly likely to exist in association with historical archaeological remains. Any Aboriginal objects that may be identified within this area are likely to be considered to be of moderate to high archaeological significance.

## 6.1.9 Central Station

Construction of the new metro platforms at Central Station would require the use of multiple construction sites, primarily to provide feasible solutions for construction access and egress (materials delivery and spoil removal). The primary works at Central Station would include a new station constructed using the cut-and-cover technique beneath Platforms 13 and 15 and the proposed Sydney Yard access bridge to the southwest. Additional subsurface impacts are likely to occur across the construction site.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at Central Station.

There is a moderate-high potential that intact former ground surface and migrating Aeolian dunes are located within the proposed station box excavation site at Platforms 13 to 15. Aboriginal sites may be associated with this landform. Any Aboriginal objects and sites that may be identified within this area would therefore be considered to be of moderate to high archaeological significance. Across the remainder of the Central Station site there is a low – moderate potential for Aboriginal objects to occur in sub-surface contexts where natural soil contexts remain. Therefore the works at Central Station would likely impact areas of moderate to high archaeological potential and significance.

## 6.1.10 Waterloo Station

The Waterloo Station construction site would be located within the block bounded by Raglan Street, Cope Street, Wellington Street and Botany Road. The site currently contains commercial and residential buildings.

Subsurface impacts would occur as a result of the excavation of the cut and cover station box, and as a result of construction of ancillary facilities such as offices and laydown areas.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at Waterloo Station.

There is moderate-high potential for Aboriginal objects to occur in the sub-surface archaeological deposits where there are surviving intact soil profiles (deep sand sheets) across the project site. Any

Aboriginal objects that may be identified within this area may be considered to be of moderate to high archaeological significance.

## 6.1.11 Marrickville dive site (southern)

The tunnel dive structure and portal would be excavated for the launch of two TBMs. Other works involving subsurface impacts include construction of ancillary facilities such as offices, storage and laydown areas.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at the Marrickville dive site.

Geotechnical information indicates that natural sediments are located beneath built structures across the Marrickville dive site. There is potential for Aboriginal objects to occur in the sub-surface archaeological deposits where there are surviving intact spoil profiles. Any Aboriginal objects that may be identified within this area may therefore be considered to be of moderate to high archaeological significance.

## 6.1.12 Power Supply Routes

The power supply routes would most likely be located within existing road reserves. These areas have generally undergone a high degree of disturbance and modification as a result of the installation of existing utilities. Therefore, it is unlikely that the proposed power supply routes would impact areas of archaeological potential. However, if these power supply routes are to impact natural contexts in archaeologically sensitive areas (see Table 3), it is possible that impacts to Aboriginal heritage would occur. PSR 1 - 3 have been assessed as demonstrating low archaeological potential, whilst PSR 4 - 8 have been assessed as demonstrating moderate to high archaeological potential.

## 6.1.13 Sydney Harbour Tunnel section

Due to expected ground conditions, ground improvement works may be required at specific locations underneath Sydney Harbour. Ground improvement works may be required at the rock-sediment transition zones to reduce construction risks associated with tunnel boring machine work.

For the purposes of assessment, ground improvement works involve jet grouting which comprises the injection of a cement grout into the harbour bed from barges on the harbour. The grout would be delivered to the barges from an on-shore grout facility and would be injected from the barge via a crane and drilling lead.

Indicatively, ground improvement work could require the establishment of two cement grout blocks (each about 35 metres wide by 20 metres long by 16 metres deep) at the two points where the tunnel alignment passes through a rock-sediment transition zone.

## Impacts to Aboriginal heritage

No identified Aboriginal sites would be impacted by the proposed works at the base of Sydney Harbour.

Potential impacts to the harbour floor (if required) would be assessed once construction methodology is known.

# 6.2 Summary of impacts

The works would not impact any registered AHIMS sites within the project area. The Aboriginal heritage assessment conducted for the Environmental Impact Statement identified various levels of archaeological potential at each project site. With the exception of Waterloo Station and the Marrickville dive site where residual sand or soil has been identified by geotechnical studies, the survivability of natural contexts at the remaining project sites is unknown. As such, the impact assessment table (Table 6) is based on assessment of archaeological potential. Table 7 is an assumptive assessment based on the identification of Aboriginal objects at each work site. Where no Aboriginal objects are identified, there will be no impacts.

The assessed archaeological potential of each project site and associated harm is summarised in Table 7 below.

Project Site	Archaeological Potential	Type of Harm	Degree of Harm	Consequence of Harm
Chatswood dive site	Low	Direct	Total	Total loss of value
Artarmon substation	Low	Direct	Total	Total loss of value
Crows Nest Station	Low	Direct	Total	Total loss of value
Victoria Cross Station	Low	Direct	Total	Total loss of value
Blues Point temporary site	Moderate	Direct	Total	Total loss of value
Barangaroo Station	Moderate to high	Direct	Total	Total loss of value
Martin Place Station	Moderate to high	Direct	Total	Total loss of value
Pitt Street Station	Moderate to high	Direct	Total	Total loss of value
Central Station	Moderate to high	Direct	Total	Total loss of value
Waterloo Station	Moderate to high	Direct	Total	Total loss of value
Marrickville dive site	Moderate to high	Direct	Total	Total loss of value
PSR	Low to high	Direct	Direct	Total loss of value
Sydney Harbour Tunnel	Moderate to high	Direct	Partial	Partial loss of vale

## Table 7: Impact assessment

# 6.3 Consideration of alternatives and justification of impacts

Chapter 4 of the Environmental Impact Statement provides a detailed analysis of the selection of each project site. The selection process included alignment constraints such as building basements, heritage constraints, catchment constraints and so on.

The Sydney Metro City & Southwest Chatswood to Sydenham project has been deemed necessary by Transport for NSW in light of the above factors to provide a long term solution to increasing demand on public transport services. The work sites are all located within areas that have been substantially modified and within areas that are currently under development.

The project would not impact any existing AHIMS registered sites. This ACHAR has been compiled in part to propose mitigation measures to manage the impacts to areas of archaeological potential where these impacts are considered to be unavoidable. It is assumed that Aboriginal objects encountered throughout the project will be impacted, either through archaeological excavation or works.

#### 6.4 Ecologically Sustainable Development principles

In accordance with the OEH 'Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW<sup>27</sup>, Ecologically Sustainable Development (ESD) principles have been considered in the preparation of this ACHAR, including options to avoid impacts to Aboriginal cultural heritage, assessment of unavoidable impacts, identification of mitigation and management measures, and taking into account Aboriginal community views.

The principles of ESD are detailed in the NSW Protection of the Environment Administration Act 1991. Chapter 29 of the EIS discusses the ESD principles in regards to the project as a whole. The ESD principles relevant to the assessment of the project as it relates to Aboriginal cultural heritage are considered below.

#### 6.4.1 The integration principle

Decision-making processes should effectively integrate both long term and short term economic, environmental, social and equitable considerations (the 'integration principle'). The project would comply with the integration principle in regard to Aboriginal heritage. The Aboriginal heritage values of the study area have been considered as part of the planning process for the project. Through the consideration of various design options<sup>28</sup> Transport for NSW have used the findings of the Aboriginal Heritage assessment<sup>29</sup> to inform the location of work sites.

#### 6.4.2 The precautionary principle

If there are threats of serious or irreversible environmental damage, lack of full scientific confidence should not be used as a reason for postponing measures to prevent environmental degradation (the 'precautionary principle').

The construction phase of the project is likely to impact areas of moderate and moderate to high archaeological potential and significance. Where these impacts are unavoidable this ACHAR proposes mitigation measures to ensure that full scientific confidence is achieved prior to irreversible impacts occurring.

## 6.4.3 The principle of intergenerational equity

The present generation should ensure that the health, diversity and productivity of the environment is maintained or enhanced for the benefit of future generations (the 'principle of intergenerational equity).

The construction phase of the project is likely to impact areas of moderate and moderate to high archaeological potential and significance. Where these impacts are unavoidable this ACHAR proposes mitigation measures to ensure that full scientific confidence is achieved prior to irreversible impacts occurring.

<sup>&</sup>lt;sup>27</sup> OEH 2011

 <sup>&</sup>lt;sup>28</sup> EIS Chapter Chapter 4
 <sup>29</sup> Artefact Heritage 2016

## 6.4.4 Conservation of biodiversity

Cultural values of biodiversity are intertwined with the lives of Aboriginal people and their use of the landscape. Biological impacts of the project are considered as part of the Environmental Impact Statement.

## 6.4.5 Improved valuation, pricing and incentive mechanisms

Transport for NSW are committed to delivering transport services, projects, operations and programs in a manner that balances economic, environmental and social issues to ensure a sustainable transport system for NSW. In order to achieve this, the *Transport Environment and Sustainability Policy Framework* (the Framework) is applied at all levels of planning policy development and project delivery.

The Framework is a collective and coordinated approach to deliver the NSW Government's environmental and sustainability agenda across the Transport cluster (Transport for NSW, RailCorp, Roads and Maritime). The Framework is outcomes based and seeks to improve Transport's environmental sustainability performance.

In regards to heritage Transport for NSW aims to promote a transport system that conserves and celebrates the rich Aboriginal heritage for which they are the custodian by focussing on<sup>30</sup>:

- Minimising transport operation and construction impacts on heritage
- Ensuring heritage is used positively to enrich the customer experience.

<sup>&</sup>lt;sup>30</sup> TfNSW 2013 Transport Environment and Sustainability Policy Framework Attachment 3:25

# 7.0 EXCAVATION METHODOLOGY

This excavation methodology is prepared to meet requirement AH2 of the Environmental Impact Statement as detailed in Table 8 below:

## Table 8: Mitigation measures AH2 and AH3

Ref	Mitigation measure	Applicable location(s) <sup>1</sup>
AH2	<ul> <li>An Aboriginal cultural heritage assessment report would be prepared in accordance with the OEH <i>Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW.</i> The Aboriginal cultural heritage assessment report would include:</li> <li>Details of Aboriginal stakeholder consultation conducted in accordance with AH1</li> <li>An assessment of cultural significance for the project area and identification of any specific areas of cultural significance based on consultation with Aboriginal stakeholders</li> <li>A methodology for archaeological management, including test excavation</li> </ul>	All
AH3	<ul> <li>A methodology for archaeological management, including test excavation and salvage (refer to AH3).</li> <li>Archaeological test excavation (and salvage when required) would be carried out where intact natural profiles with the potential to contain significant archaeological deposits are encountered at the Blues Point temporary site, Barangaroo Station, Martin Place Station, Pitt Street Station, Central Station, Waterloo Station and Marrickville dive site. Excavations would be conducted in accordance with the methodology outlined in the Aboriginal cultural heritage assessment report.</li> </ul>	BP, BN, MP, PS, CS, WS and MDS

Excavation would be conducted in two stages, Stage one test excavation and Stage two salvage excavation. The requirement for Stage one would depend on a series of triggers outlined in Section 7.6. Stage two salvage excavation would occur where a series of triggers are met during Stage one excavation, as outlined in Section 7.7.

The urban setting of each worksite presents a series of challenges for both the survivability of archaeology and the timing and nature of excavation. This methodology seeks to provide a practical approach to excavation in a variety of different environmental and construction site settings.

# 7.1 Excavation justification

The project sites include areas that are archaeologically sensitive, such as settings around the Tank Stream (Martin Place Station and Pitt Street Station), foreshore settings (Blues Point temporary site and Barangaroo Station), sand sheet contexts (Central Station and Waterloo Station) and tidally influenced estuarine areas (Marrickville dive site).

The background context provided in the Environmental Impact Statement and summarised in Section 5 above indicates that the survivability of archaeological contexts at these locations depends largely on the extent and nature of subsequent phases of building construction and infrastructure installation. Where there are Aboriginal objects remaining in natural contexts, the significance of those contexts archaeologically and to the Aboriginal community is potentially very high.

Archaeological investigation provides a unique opportunity to investigate the intactness and significance of archaeological contexts within the project area. Key overarching themes for the investigation include:

- The opportunity to investigate a linear transect across varying landforms between estuarine contexts at Sydenham through to the Sydney Harbour foreshore
- The opportunity to investigate contact period archaeology, including any evidence of interaction between the local Aboriginal community and British colonists, and the nature and extent of Aboriginal objects in historical archaeological contexts.

## 7.1.1 Research questions

Key research questions for the excavation program include:

- Intactness investigate the intactness of Aboriginal archaeological contexts in urban contexts.
- **Nature and extent** establish the nature and extent of investigated Aboriginal archaeological contexts.
- **Significance** assess the archaeological and cultural significance of identified Aboriginal sites in consultation with RAPs.
- **Comparative** compare the results and significance of identified Aboriginal sites with previous archaeological investigations in the area.

# 7.2 Archaeological Method Statements

An Archaeological Method Statement (AMS) will be prepared where Stage one or Stage two excavations are required for each activity or site specific work stage. In some cases it may be practicable to update an existing AMS for additional work stages. The AMS would adhere to the excavation methodology outlined below and provide detailed information on site-specific and/ or activity specific archaeological management requirements.

It is anticipated that the Aboriginal archaeological excavation director (ED) would oversee preparation of the AMS, with contributions from the geomorphology specialist where required. It is anticipated that site inspections would be conducted where possible during preparation of the AMS.

# 7.3 Participation in archaeological investigations

RAP representatives would participate in all Aboriginal archaeological excavations. The AMS prepared for each work stage would be provided to the RAPs prior to archaeological work commencing. RAP sign off on individual AMSs would not be required as the AMS would be prepared in adherence to the approved ACHAR.

# 7.4 Method Areas

To assist with implementation of the archaeological excavation and unexpected finds, the project site has been divided into three Method Areas (MA), being MA1, MA2 and MA3 (Figure 9). The core archaeological methodology and any Method Area specific considerations would be addressed in the AMS for each work stage. Note that the harbour crossing and tunnel sections of the route have not been accounted for in this methodology. There is nil potential that Aboriginal objects would be located within the tunnels sections of the route as they will be excavated through bedrock. If the construction

method for the harbour crossing has the potential to impact harbour floor deposits an appropriate methodology would be decided in consultation with the RAPs and OEH.

MA1 includes the Chatswood dive site, Artarmon substation, Crows Nest Station and Victoria Cross Station. These project sites are located across ridge crest landform contexts with generally shallow residual soils and a low archaeological potential.

MA2 includes Blues Point temporary site, Barangaroo Station, Martin Place Station, Pitt Street Station, Central Station and the Power Supply Routes. The main common archaeological attributes of these project sites are:

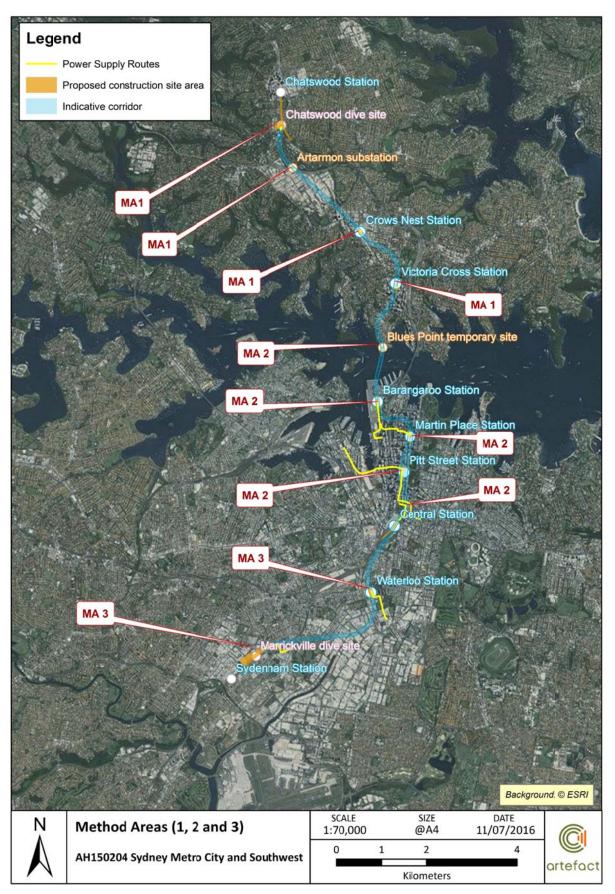
- They will be the focus of historical archaeology investigations
- The survivability of natural contexts is likely to be limited by multiple phases of construction and landform modification at each location.
- Natural contexts are likely to be isolated and discrete.

MA3 includes Waterloo Station and the Marrickville dive site. The main common archaeological attributes of these project sites are:

- They will not be subject to as intensive historical archaeology investigation as the MA2 sites
- Due to the potentially deep nature of soil and sand contexts at these sites there is a greater potential for the survivability of natural contexts.

The approach to archaeological excavation methodology will differ between MA1, MA2 and MA3 based on the likely nature and extent of the archaeological resource.

## Figure 9: Method areas



# 7.5 Geomorphology

Geomorphology will form an integral part of the archaeological investigative process. This is due to the potentially fragmented, deep and complex natural contexts that may be encountered. It is anticipated that a geomorphology specialist would be involved, where required, in all aspects of the investigative process, including contribution to preparation of the AMS, site inspections, excavation and reporting.

# 7.6 Stage one (test excavation) triggers

Triggers for Stage one test excavation differ across the methodology areas.

Triggers for potential Stage one excavation within **MA1** would include:

• Aboriginal object(s) identified as an unexpected find.

Triggers for potential Stage one excavation within MA2 would include:

- Notification by the Historical ED that potential intact soil profiles, or Aboriginal objects, have been identified during historical archaeological investigations. Confirmation by the Aboriginal archaeological ED that the finds are intact soil profiles or Aboriginal objects.
- At Central Station, the identification of intact soil profiles within the station box only, prior to construction.
- Subsurface impacts within the area assessed as having archaeological potential at Blues Point Station site.
- Aboriginal object(s) identified as an unexpected find.

Triggers for potential Stage one excavation within MA3 would include:

- Identification of potential intact soil profile by Aboriginal archaeological ED at cleared site, prior to construction, or during historical archaeological excavations.
- Aboriginal object(s) identified as an unexpected find.

The Aboriginal archaeological ED would then assess the need for Stage one excavations given the nature and context of the find and the extent of proposed impacts.

Once the need for Stage one excavation has been confirmed, a work stage based or site based AMS would be prepared which would adhere to the core methodology and any MA specific considerations as presented in this ACHAR.

# 7.7 Stage two (salvage) triggers

The AMS prepared prior to Stage one will specify triggers for Stage two excavation at each project site/ work stage. Triggers for Stage two excavation differ across the methodology areas.

Triggers for potential Stage two excavation within **MA1** would include:

- Identification of more than 15 artefacts per Excavation Unit during Stage one excavation.
- Identification of rare or significant artefacts, features or site type.

Triggers for potential Stage two excavation within MA2 would include:

- Identification of Aboriginal artefact(s) during Stage one excavation. Minimum number not set due to potential high significance of sites in MA2.
- Identification of rare or significant artefacts, features or site type.
- Identification by the Aboriginal archaeological ED and/ or the geomorphologist of Aboriginal artefacts in contexts that may provide significant information on site formation, including the potential extracting samples suitable for dating.

Triggers for potential Stage two excavation within **MA3** would include:

- Identification of more than 5 artefacts per Excavation Unit during Stage one excavation.
- Identification of rare or significant artefacts, features or site type.
- Identification by the Aboriginal archaeological ED and/ or the geomorphologist of Aboriginal artefacts in contexts that may provide significant information on site formation, including the potential extracting samples suitable for dating.

The Aboriginal archaeological ED would then assess the need for Stage two excavations given the nature and context of the find and the extent of proposed impacts. Stage two excavation would proceed under the methodology discussed in the AMS and in adherence to the core methodology and MA consideration presented in the ACHAR.

# 7.8 Core excavation methodology

A core excavation methodology would be the basis for Stage one and Stage two excavation at all project sites/ work stages. As archaeological contexts are different within the different MAs, methodology variances to the core methodology are discussed in Section 8.9. These should be considered over and above the core methodology.

## 7.8.1 Stage one

The methodology of Stage one test excavation would be influenced by:

- The extent of the potential archaeological resource available to test. The extent of Stage one excavation would depend upon worksite constructability, potential depth of the archaeological resource, and the area extent of any remaining potential archaeological resource.
- Proposed impacts. Where impacts will be limited to a certain depth or width, such as the Power Supply Routes, excavation should not extend outside the proposed impact area unless required for safety reasons.

Stage one would require hand excavation of test pits in controlled Excavation Units. Excavation Units would comprise of one square metre test pits excavated in either arbitrary 100 mm spits or stratigraphic units where applicable. Excavation Units could be joined together to form a two square metre test pit. In some instances, where very small portions of intact natural soil profile remain, the Excavation Unit size would be smaller than one square metre.

Excavation Units would be excavated to archaeologically sterile deposit has been reached, enough information has been retrieved to trigger Stage two salvage excavation, or a depth of 1.5 metres (or

safe working depth) has been reached, whichever is the shallowest. If archaeological deposit extend below a safe depth (1.5m) deeper archaeological excavation should be considered such as shoring or stepping.

Where there is sufficient space, a grid of Stage one test pits would be established across the area to be tested. The AMS would include the grid layout and spacing of test pits. Where there are constraints on the grid layout, such as disturbed areas or services, test pits may be offset to an adjacent location within the area of proposed impact.

Machine excavation would be utilised where required to remove introduced fill layers overlying areas to be hand excavated. Machine excavation of fill overlying areas to be hand excavation will likely cover a greater areal extent than 2 metres x 1 metres for OHS reasons.

Due to the potentially deep extent of the archaeological resource in some portions of the study area, the AMS may determine it is more practical to conduct some Stage one excavation by machine. The AMS would determine the areal size, spit depth and spacing between mechanical excavation pits based on a site inspection and input from a geomorphology specialist.

## 7.8.2 Stage two

Should a Stage one excavation trigger the need to undertake Stage two archaeological salvage excavation, a salvage excavation methodology generally in accordance with that outlined below would be followed. Stage two excavation would involve the continuation of hand excavation in one square metre Excavation Units. Stage two will cease once the excavation has retrieved a sufficient sample to describe the intactness, nature, extent, significance and is a statistically comparable quantity.

OHS considerations would need to be taken into account in the AMS for 'stepping' of excavation in areas of deeper deposit.

Machine excavation would be utilised to remove introduced fill layers where required, or to excavate below a safe depth where archaeological sterile deposits have not been reached.

## 7.8.2.1 Historical archaeology contexts

Where Aboriginal objects are located in historical archaeological contexts, Stage one excavation would form part of the historical archaeology program, and the excavation methodology would be guided by the Archaeological Research Design (ARD) prepared for that worksite. RAPs would be involved in excavation of identified Aboriginal objects within historical archaeological contexts.

Where historical archaeological contexts are encountered during controlled Stage one excavation, the historical ED would be consulted on any requirements for an alteration to methodology to account for impacts to historical archaeological remains.

## 7.8.2.2 Artefacts retrieved from fill

Where artefacts are identified in fill that is not considered to be a historical archaeology context, the Aboriginal archaeological ED would first establish whether further investigation of the find is required. Further investigation may include sample excavation and sieving of fill material by machine. Where no further investigation is required the find will be recorded and stored in the nominated temporary locked storage area.

Where further investigation of the fill takes place, that excavation will be conducted by machine or hand excavation where appropriate, and at no stage will this trigger Stage two excavation. Pit size may be greater than two square metres x 1.5 metres deep depending on the nature and stability of the fill material. The AMS would determine the fill sampling strategy for each project site.

## 7.8.2.3 Full extent of the resource

Where the areal extent of the remaining archaeological resource is very limited, or where Aboriginal objects are identified in historical archaeology contexts, it is anticipated that Stage one would continue to the full extent of the archaeological resource and would not trigger Stage two salvage excavation.

## 7.8.2.4 Protection of the archaeological resource between Stage one and Stage two

Stage two excavation may not always continue on directly from Stage one. Where the archaeological resource needs to be protected and potentially back-filled between Stage one and Stage two excavation, this should be conducted under the guidance of an archaeologist and include protection of any remaining archaeological resource using geofab material or similar and clean back-fill.

## 7.8.2.5 Sieving

All retrieved material from hand excavation would be sieved through nested 5mm and 3mm sieve mesh. It is likely that all material would be wet sieved, however dry sieving may be more appropriate in certain contexts.

The amount of fill material retrieved by machine that is sieved will depend upon the nature of the fill and the decision of the supervising archaeologist on site at the time.

## 7.8.2.6 Identification of rare site types

Where these site types are encountered, a more detailed approach to excavation, sampling and recording will be required.

- Hearths
- Middens
- Sites associated with outcropping sandstone, such as engravings or grinding grooves
- Contact archaeology (see also Section 8.8.1.1).

# 7.9 Method Area specific methodological considerations

## 7.9.1 Method Area 1

The worksite induction for MA1 should include information on sandstone geology site types, such as rock engravings. If a suspected rock engraving is located the Aboriginal archaeological ED would be notified and assess the find.

If a rock engraving or other site types are confirmed, additional consultation with the RAPs and OEH may be required prior to impact occurring. In some case in situ retention of the find may be required.

## 7.9.2 Method Area 2

Where trenching is required in MA2, test excavation may not be practicable where the trigger for testing is present, as project impacts would be less than impacts required to effectively test the location. In this case archaeological inspection may be required. Any inspection would be conducted by an archaeologist, usually in conjunction with historical archaeological monitoring (in adherence to the ARD methodology and the AMS).

There is limited potential for sandstone geology site types, such as rock engravings to be located in MA2, most likely at Blues Point temporary site. The consideration regarding sandstone geology site types discussed for MA1 would also apply to MA2.

Archaeological testing would be required at Blues Point temporary site if subsurface impacts are proposed within the area of Aboriginal archaeological potential where historical archaeological excavation is not required. It is assumed that within areas that are to be excavated during the historical archaeological program Stage one testing would be triggered by identification of intact natural soil profiles by the Historical ED.

At Central Station it is likely that any Aboriginal archaeological deposits would be found either within, or below non-Aboriginal archaeology. The former Devonshire Street Cemetery was located on a natural dune landform which may have previously been used by Aboriginal people. If archaeological evidence of the former cemetery is found it is likely that Aboriginal objects will also be found around the same levels. The methodology at Central will enable the excavation of Aboriginal and non-Aboriginal archaeological remains simultaneously where required. The AMS for this work stage (depending on construction methodology) would discuss how Aboriginal and historical archaeology could be investigated simultaneously if required. Depending on the nature of the soil profile and results of historical archaeological investigations within the station box, additional Aboriginal archaeology.

Areas of the project site outside the boundary of the former cemetery may also contain Aboriginal archaeological deposits. The management for these areas would be under the MA2 core methodology, with the likelihood of any remaining Aboriginal archaeological deposits being associated with intact non-Aboriginal archaeology.

Aboriginal archaeological inspection, and sample sieving if required, should be undertaken in those sections of the power supply route which have been identified as located in archaeologically sensitive areas (Table 3).

## 7.9.3 Method Area 3

There is a higher likelihood of natural context survivability in MA3. This may include intact portions of the Botany Sand Sheet at Waterloo and deep alluvium at the Marrickville dive site. As such, the focus of Stage one excavation in MA3 will be an adequate testing regime to guide requirements for more substantive Stage two salvage.

# 7.10 Preliminary management approach in accordance with MA methodology

The following summary is an indication of management approach only (Table 9). The ACHAR methodology is flexible and allows responses to changing construction methodologies and site conditions. The final methodology for archaeological mitigation would be outlined in the project site/work stage AMS. The AMS will be prepared prior to archaeological works commencing at each site.

## Table 9: Preliminary management approach

Site	Preliminary archaeological management approach <sup>1</sup>
Chatswood dive site (northern)	Unexpected finds procedure
Artarmon traction substation site	Unexpected finds procedure.

## Sydney Metro City & Southwest Chatswood to Sydenham ACHAR

Site	Preliminary archaeological management approach <sup>1</sup>
Crow's Nest Station site	Unexpected finds procedure.
Victoria Cross Station site	Unexpected finds procedure.
Blues Point temporary site	Test/salvage excavation required if intact remnant soil profiles are located during historical excavations. Potential testing of additional areas depending on subsurface impacts away from TBM shaft.
Barangarooo Station site	Test/salvage excavation required if intact remnant soil profiles are located during historical excavations.
Martin Place Station sites	Test/salvage excavation required if intact remnant soil profiles are located during historical excavations.
Pitt Street Station sites	Test/salvage excavation required if intact remnant soil profiles are located during historical excavations.
Central Station Site	Test/salvage excavation required if intact remnant soil profiles are located during historical excavations. Potential testing of additional areas depending on soil profile and results of historical archaeological investigations within the station box.
Waterloo Station site	Aboriginal archaeology ED to inspect cleared area Test/salvage excavations if intact soil profiles are identified by Aboriginal archaeology ED or during historical excavations.
Marrickville dive site (southern)	Aboriginal archaeology ED to inspect cleared area Test/salvage excavations if intact soil profiles are identified by Aboriginal archaeology ED.
Sydney Harbour Tunnel Section	TBC with TfNSW and RAPs what level of investigation is possible/ practicable
PSR 1 – 3	Unexpected finds procedure
PSR 4 – 8	Test/salvage excavation required if intact soil profiles are located during historical monitoring.

# 7.11 Site clearance

Site clearance would be required from the Aboriginal ED prior to construction commencing. This clearance would be in the form of a memo or email and would apply to a work specific area or the project sites as a whole, depending on stage of works.

# 7.12 Geomorphological investigations

It is anticipated that intrusive geomorphological investigations of different types will be conducted throughout the project area, if required. These investigations would potentially be associated with development of the AMS for each worksite or be conducted as part of Stage one and Stage two excavation in each MA. It is also possible that geomorphological testing and sampling may occur in separation from the excavation process, such as retrieving deep samples that are beyond the scope of archaeological investigation. The potential scope and outline of geomorphological investigation at each project site would be outlined in the AMS.

# 7.13 Reporting and analysis

All Aboriginal objects retrieved during the course of test excavation would be washed and placed in re-sealable bags for further analysis and recording. Once test excavation has been completed, the artefact assemblage would be recorded and stored as stipulated in the OEH code of practice. This includes recording key attributes of material, artefact type, platform type, termination type and dimensions, as well as photographic and drawn records of representative artefacts. All recorded information would be entered into a Microsoft Excel (or similar) table with detail linked to the provenance of each artefact. Once entered into the Excel table, the data can be readily supplied with associated reporting to RAPs and the proponent in either electronic or hard-copy form. An archaeologist experienced in stone artefact recording will conduct the attribute recording and analysis.

All artefacts would be given a unique number and stored in double re-sealable snap lock bags. A permanent marker will be used to record the provenance and unique number of artefacts in each bag. All artefacts would be given a unique number and stored in double re-sealable snap lock bags. A permanent marker will be used to record the provenance and unique number of artefacts in each bag in writing on the outside of the bag and on an archival grade tag such as Dupont <sup>™</sup> Tyvek ® paper.

# 7.14 Temporary and long-term care and management of retrieved Aboriginal objects

The temporary repository of any retrieved artefacts will be a locked cupboard on the premises of the archaeological consultant.

Further consultation with RAPs will be required to determine the preferred long-term care and management of any retrieved Aboriginal artefacts. Views expressed during consultation have been that any artefacts should be reburied (DLO) or stored by Aboriginal groups (Tony Williams). Darlene Hoskins-McKenzie on behalf of the five groups represented by her, stated that artefacts should be relocated as close as possible to their place of origin.

# 8.0 MANAGEMENT MEASURES

# 8.1 Management framework

Key heritage management plans / documentation relating to Aboriginal heritage required in delivery which relate to the ACHAR will likely include:

- Construction Environmental Management Plan (CEMP)
- Construction Heritage Management Plan (CHMP) (Heritage sub-plan)
- Archaeological Method Statements during early works construction

# 8.2 Construction Heritage Management Plan

A Construction Heritage Management Plan (CHMP) should be prepared for the project that outlines the methodology discussed in this ACHAR and included an unexpected finds procedure. Details of RAPs and circumstances where additional consultation would be required should also be included.

# 8.3 Discovery of human remains

If suspected human skeletal remains are uncovered at any time throughout the archaeological test excavation program, the procedures for unexpected finds would be followed (Appendix D).

# 8.4 Changes to the proposed works

Consistency assessments should be conducted throughout the project to ensure that all works take place within the scope of the project approvals. Further consultation with RAPs would be required where a consistency assessment identifies additional impacts to Aboriginal heritage.

# 9.0 REFERENCES

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Appendix A: Consultation Log

Contact /	Contacted by /		Date /	Comments.
Organisation	Organisation	Method	Time	Comments
	TfNSW	Advertisement	4/5/2016	SMH
Office of the	TfNSW	Letter	12/5/2016	Agency contact
Registrar				
Canterbury	TfNSW	Letter	12/5/2016	Agency contact
Council				
Greater Sydney	TfNSW	Letter	12/5/2016	Agency contact
СМА				
National Native	TfNSW	Letter	12/5/2016	Agency contact
Title Tribunal				
GLALC	TfNSW	Letter	12/5/2016	Agency contact
MLALC	TfNSW	Letter	12/5/2016	Agency contact
OEH Parramatta	TfNSW	Letter	12/5/2016	Agency contact
NTSCORP	TfNSW	letter	12/5/2016	Agency contact
City of Sydney	TfNSW	Letter	12/5/2016	Agency contact
Council				
Marrickville	TfNSW	Letter	12/5/2016	Agency contact
Council				
North Sydney	TfNSW	Letter	12/5/2016	Agency contact
Council				
Willoughby	TfNSW	Letter	12/5/2016	Agency contact
Council				
Bankstown	TfNSW	Letter	12/5/2016	Agency contact
Council				
Sandra	Phillip Khan/ KYWG	Letter	06/05/16	Registration of Interest
Wallace/Artefact			0.0 /0 = // 0	
Sandra	Gordon Workman/	Email	06/05/16	Registration of Interest
Wallace/Artefact	DLO Denny Franks (	Freedu	00/05/10	Desistration of Interest
Sandra Wallace/Artefact	Danny Franks/ Tocomwall	Email	09/05/16	Registration of Interest
Sandra	Ryan Johnson/ Murra	Email	10/05/16	Registration of Interest
Wallace/Artefact	Bidgee Mullangarri	Linan	10/03/10	Registration of interest
Sandra	Celestine Everingham/	Phone	10/05/16	Registration of Interest
Wallace/Artefact	DACHA	Thone	10,00,10	
Sandra	Chris Payne/	Phone	11/05/16	Registration of Interest
Wallace/Artefact	Gandangara		,,	
Sandra	Tony Williams/	Email	11/05/16	Registration of Interest
Wallace/Artefact	Aboriginal			
	Archaeological			
	Services			
Claire Rayner/	Darlene Johnson/	Phone	12/05/16	Called to confirm receipt of registration
Artefact	Murra Bidgee			
	Mullangarri			
Sandra Wallace/	Kayla Williamson/	Email	17/05/16	Registration of Interest
Artefact	Woronora Plateau			
	Gundangarra Elders			
	Council			
Sandra Wallace/	Susan Harrison/OEH	Letter	18/05/16	List of stakeholders
Artefact				

Contact /	Contacted by /		Date /	
Organisation	Organisation	Method	Time	Comments
Sandra Wallace/	George Tonna/	Letter	19/05/16	Agency reply
Artefact	NTSCorp			
Sandra Wallace/	Joanna Stobinski/	email	23/05/16	Canterbury Aboriginal Advisory Group
Artefact	Canterbury City			member list
	Council			
Sandra Wallace/	Bryony Cooper/ City pf	Letter	23/05/16	Agency reply
Artefact	Sydney			
Sandra Wallace/	Marcelo Occhiuzzi/	Letter	24/05/16	Agency reply
Artefact	North Sydney Council			
Claire Rayner/	Celestine Everingham/	Phone	26/05/16	checking that she was registered
Artefact	DACHA			
Sandra Wallace/	Ann & Jamie	Email	27/05/16	Registration of Interest (Gordon
Artefact	Workman/ DLO			Workman had already registered DLO)
Mark Doran/	Karia Lea Bond/ Badu	Email	27/05/16	Invitation to register
TfNSW				_
Mark Doran/ TfNSW	Seli Storer/ Biamanga	Email	27/05/16	Invitation to register
Mark Doran/	Simalene Carriage/	Email	27/05/16	Invitation to register
TfNSW	Bilinga	LIIIdii	27/03/10	invitation to register
Mark Doran/	Jennifer Newman/	Email	27/05/16	Invitation to register
TfNSW	CAAG	Lindi	27/03/10	invitation to register
Mark Doran/	Joan Tanter/ CAAG	Email	27/05/16	Invitation to register
TfNSW		Lindi	27703710	
Mark Doran/	John Blair/ CAAG	Email	27/05/16	Invitation to register
TfNSW				_
Mark Doran/ TfNSW	Andrew Bond /	Email	27/05/16	Invitation to register
	Dharug		/ /	
Mark Doran/ TfNSW	Darren Duncan/	Email	27/05/16	Invitation to register
mow	Duncan Suey &			
Mark Doran/	Associates	[mail	27/05/110	Invitation to register
TfNSW	Basil Smith/ Goobah Developments	Email	27/05/16	Invitation to register
Mark Doran/	Terri Ann Hoskins/	Email	27/05/16	Invitation to register
TfNSW	GTTS	LIIIdii	27/03/10	invitation to register
Mark Doran/	David Bell/ GTTS	Email	27/05/16	Invitation to register
TfNSW	David Delly GTTS	Lindi	27703710	
Mark Doran/	Peter Foster/ GTTS	Email	27/05/16	Invitation to register
TfNSW			/ /	
Mark Doran/ TfNSW	Tony Williams/ GTTS	Email	27/05/16	Invitation to register
Mark Doran/	Darlene Hoskins-	Email	27/05/16	Invitation to register
TfNSW	McKenzie/ Gunyuu	Lindi	27703710	
	Cultural Heritage			
	Technical Services			
Mark Doran/	Kylie Ann Bell/ Gunyuu	Email	27/05/16	Invitation to register
TfNSW				-
Mark Doran/	Joanne Anne Stewart/	Email	27/05/16	Invitation to register
TfNSW	Jerringong			
Mark Doran/	Kelly Slater, Vicky	Email	27/05/16	Invitation to register
TfNSW	Slater/ Kawul Cultural			
	Services			
Mark Doran/ TfNSW	Aaron Broad/	Email	27/05/16	Invitation to register
TINOW	Minnamunnung			

Contact /	Contacted by /	Method	Date /	Comments
Organisation	Organisation		Time	
Mark Doran/ TfNSW	Suzannah McKenzie/ Munyunga Cultural Heritage Technical Services	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Roxanne Smith/ Murramarang	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Wandai Kirkbright/ Wingikara Cultural Heritage Technical Services	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Hika Te Kowhai/ Walbunja	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Lee-Roy James Boota/ Wullung	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Robert Parson/ Yerramurra	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Newton Carriage/ Nundagurri	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Mark Henry/ Murrumbul	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Pemulwuy Johnson/ Pemulwuy CHTS	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Hayley Bell/ Wingikara	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Ronal Stewart/ Walgalu	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Shane Carriage/ Thauaira	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Robert Brown/ Bilinga Cultural Heritage Technical Services	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Levi McKenzie- Kirkbright/ Murrumbul Cultural Heritage Technical Services	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Wendy Smith/ Gulaga	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Corey Smith/ Callendulla	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Kaya Dawn Bell/ Munyanga	Email	27/05/16	Invitation to register
Mark Doran/ TfNSW	Margaret Williams/ CAAG	Letter	27/05/16	Invitation to register
Mark Doran/TfNSW	Eric Keidge	Letter	27/05/16	Invitation to register
Sandra Wallace/ Artefact	Chris Payne/ GTTS	Email	30/05/16	Registering on behalf of Peter Foster and Dave Bell for GTTS
Mark Doran/ TfNSW	Chris Payne/ GTTS	Email	08/06/16	Registering on behalf of Tony Williams for GTTS
Claire Rayner/ Artefact	Chris Payne/GTTS	Phone	09/06/16	called to check he was registered

Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
Tony Williams/ AAS	Claire Rayner/ Artefact	Phone	10/06/16	called to clarify email as the ACHAR methodology bounced back.
Gordon Workman /DLO	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Jamie Workman/ DLO	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Christopher Payne/ GTTS	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Ryan Johnson/ MBMAC	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Danny Franks/ Tocomwall	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Kayla Williamson/ WPGEC	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Tony Williams/ AAS	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Peter Foster/ GTTS via Chris Payne	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
David Bell/ GTTS via Chris Payne	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
Tony Williams/ GTTS via Chris Payne	Claire Rayner/ Artefact	Email	10/06/16	sent ACHAR methodology
David Watts/ Aboriginal Heritage Office (North Sydney) Celestine Everingham/	Claire Rayner/ Artefact Claire Rayner/ Artefact	Letter	10/06/16	sent ACHAR methodology sent ACHAR methodology
DACHA Pollowan Phillip	Claire Rayner/ Artefact	Letter	10/06/16	sent ACHAR methodology
Kahn/ KYWG			_0,00,_0	
GLALC	Claire Rayner/ Artefact	Letter	10/06/16	sent ACHAR methodology
Nathan Moran/ MLALC	Claire Rayner/ Artefact	Letter	10/06/16	sent ACHAR methodology
Mark Doran/ TfNSW	Darren Duncan	Email	13/06/16	late registration
Darren Duncan	Claire Rayner/ Artefact	Email	14/03/16	sent ACHAR methodology
Claire Rayner/ Artefact	Chris Payne/ GTTS	phone	14/06/16	Called to register, I advised him that he was already registered
Claire Rayner/ Artefact	Paul Cummings/ WPGEC	phone	20/06/16	Called about another project but also enquired about how the project was progressing and possible involvement in the future.
Sandra Wallace/ Artefact	Phil Kahn/ KYWG	Letter	22/06/16	agrees with methodology, would like to be involved in any fieldwork

Contact /	Contacted by /	Method	Date /	Comments
Organisation	Organisation		Time	
Claire Rayner/ Artefact	Celestine Everingham/ DACHA	Phone	27/06/16	Called to say agrees with the methodology, had some comments on the EIS chapter: Chatswood is an early contact site and the location of one of the earliest farms in the colony she enquired if a historic assessment had been done, I let her know it has. She also disagreed with the assessment of the archaeological potential as low as the area is near a remnant stream near the railway and is quite elevated making it a suitable spot for occupation. She suggested we have another look and monitor any subsurface impacts following demolition.
Celestine Everingham/ DACHA	Claire Rayner/ Artefact	Phone	27/06/16	Let Celestine know that the ACHAR would be sent out next week and an AFG would be held in July so she can raise any concerns and ask any specific construction questions at that.
Sandra Wallace/ Artefact	Ryan Johnson/MBMAC	Email	28/06/16	agrees with the methodology, noted that there are a number of Aboriginal sites within the study area and that the Sydney Harbour was a significant area for Aboriginal in the past and today
Claire Rayner/ Artefact	Brad Maybury/ GLALC	Email	28/06/16	Brad summited comments on the site inspection of the Bankstown station and rail corridor (southern end of the study area). He considered the areas of the station and surrounding the rail corridor do not require further investigation. He would like to inspect inside the rail corridor prior to works commencing
Gordon Workman / DLO	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Jamie Workman/ DLO	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Christopher Payne/ GTTS	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Ryan Johnson/ MBMAC	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Danny Franks/ Tocomwall	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Kayla Williamson/ WPGEC Tony Williams/	Claire Rayner/ Artefact Claire Rayner/ Artefact	Email Email	13/07/16 13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016 Sent draft ACHAR and invitation to AFG
AAS Peter Foster/ GTTS via Chris Payne	Claire Rayner/ Artefact	Email	13/07/16	19 July 2016 Sent draft ACHAR and invitation to AFG 19 July 2016
David Bell/ GTTS via Chris Payne	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016

Contact /	Contacted by /	Method	Date /	Comments
Organisation	Organisation	Email	<b>Time</b>	Contiduct ACHAD and invitation to AEC
Tony Williams/ GTTS via Chris Payne	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Darren Duncan	Claire Rayner/ Artefact	Email	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
David Watts/ Aboriginal Heritage Office (North Sydney)	Claire Rayner/ Artefact	Letter	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Celestine Everingham/ DACHA	Claire Rayner/ Artefact	Letter	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Pollowan Phillip Kahn/ KYWG	Claire Rayner/ Artefact	Letter	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
GLALC	Claire Rayner/ Artefact	Letter	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Nathan Moran/ MLALC	Claire Rayner/ Artefact	Letter	13/07/16	Sent draft ACHAR and invitation to AFG 19 July 2016
Sandra Wallace/ Artefact & Matthew Errington/ TfNSW	Darlene Hoskins- McKenzie	email	18/07/201 6	Darlene manages and represents 5 registered Aboriginal stakeholder ground these are: Bilinga (Wandai Kirkbright), Gunyuu (Darlene), Munynga (Robert Brown), Murrumbal (Levi McKenzie-Kirkbright) and Wingikara (Suzanne McKenzie). She is registering on behalf of these groups.
Sandra Wallace/ Artefact	Ryan Johnson/MBMAC	email	19/07/201 6	MBMAC agrees with the findings and recommendations of the ACHAR, no further comments
Sandra Wallace/ Artefact	Jamie Workman & Gordon Workman/ DLO	email	25/07/201 6	DLO agree with the ACHAR, the want artefact reburied somewhere within the study area, would like a copy of the AHIP (this project is SSI), would like to be involved in monitoring topsoil removal and other forms of work to be carried out on site.
Wandai Kirkbright & Robert Brown/ Bilinga Cultural Heritage Technical Services	Claire Rayner/ Artefact	email	1/08/2016	sent ACHAR methodology and draft ACHAR, also sent to Darlene's gmail address
Darlene Hoskins- McKenzie/ Gunyuu Cultural Heritage Technical Services	Claire Rayner/ Artefact	email	1/08/2016	sent ACHAR methodology and draft ACHAR, also sent to Darlene's gmail address
Robert Brown & Suzanne McKenzie/ Munyunga	Claire Rayner/ Artefact	email	1/08/2016	sent ACHAR methodology and draft ACHAR, also sent to Darlene's gmail address

Contact /	Contacted by /	Method	Date /	Comments
Organisation	Organisation		Time	
Cultural Heritage Technical Services				
Levi McKenzie- Kirkbright/ Murrumbul Cultural Heritage Technical Services Suzannah McKenzie &	Claire Rayner/ Artefact Claire Rayner/ Artefact	email email	1/08/2016	sent ACHAR methodology and draft ACHAR, also sent to Darlene's gmail address sent ACHAR methodology and draft ACHAR, also sent to Darlene's gmail
Wandai Kirkbright/ Wingikara Cultural Heritage Technical Services				address
Claire Rayner/ Artefact	Chris Payne/ GTTS	phone	5/08/2016	Called to see if he would like to comment on the ACHAR, he was driving and will call back
Claire Rayner/ Artefact	Danny Franks/ Tocomwall	phone	5/08/2016	Left message to call me back about the ACHAR
Claire Rayner/ Artefact	Phil Kahn/ KYWG	phone	5/08/2016	Called to see if he would like to comment on the ACHAR, he said he was happy with the findings and recommendations of the ACHAR and would like to be involved in any field work
Claire Rayner/ Artefact	Kayla Williamson/ Woronora	phone	5/08/2016	Called to see if she would like to comment on the ACHAR, she said she was happy with the findings and recommendations of the ACHAR
Claire Rayner/ Artefact	Tony Williams/ AAS	phone	5/08/2016	Called to see if he would like to comment on the ACHAR, he will send an email with his comments
Claire Rayner/ Artefact	Darren Duncan	phone	5/08/2016	Called to see if he would like to comment on the ACHAR, no answer
Claire Rayner/ Artefact	David Watts/ AHO North Sydney	email	5/08/2016	after trying to call and getting a bad line I sent an email asking for comments on the ACHAR
Darlene Hoskins – Mackenzie	Artefact Heritage	Phone	17/08/20 16	Called to see if she would like to comment on the ACHAR, no answer, left message
Tony Williams	Artefact Heritage	phone	17/08/20 16	Happy with what Artefact is doing. Said he emailed comments through previously, will check again later tonight
Darren Duncan	Artefact Heritage	phone	17/08/20 16	will send comments through by COB tomorrow
Chris Payne	Artefact Heritage	phone	17/08/20 16	Asked for another email with information to be sent through
Danny Franks	Artefact Heritage	phone	17/08/20 16	Had no comments on CHAR or test ex methodology

Contact / Organisation	Contacted by / Organisation	Method	Date / Time	Comments
David Watts	Artefact Heritage	phone	17/08/20 16	Called to see if he would like to comment on the ACHAR, no answer, left
				message
Artefact Heritage	Darlene Hoskins-	phone	17/08/20	Asked for another email with
	McKenzie		16	information to be sent through
Artefact Heritage	Tony Williams/ AAS	phone	17/08/20	Said he had sent through the
			16	information previously, resent the email
				which was received by Artefact Heritage
Sandra Wallace/Artefact	Darlene Hoskins- McKenzie	Email	17/8/2016	Resent ACHAR
Sandra	Darlene Hoskins-	email	28/08/20	Darlene emailed to express support of
Wallace/Artefact	McKenzie		16	the ACHAR and methdology on behalf of
				Bilinga (Wandai Kirkbright), Gunyuu
				(Darlene), Munynga (Robert Brown),
				Murrumbal (Levi McKenzie-Kirkbright)
				and Wingikara (Suzanne McKenzie). She
				is registering on behalf of these groups.

## Appendix B: Newspaper Notice

# Registration for Aboriginal community consultation

Sydney Metro is Australia's largest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

Sydney Metro City & Southwest will extend metro rail between Chatswood and Bankstown, including a new crossing beneath Sydney Harbour, new railway stations in the lower North Shore and CBD, and the upgrade and conversion of the current line between Sydenham and Bankstown.

Transport for NSW invites local Aboriginal people with cultural knowledge of Aboriginal objects and places along the project route to register an interest in community consultation for the project. Registration would be for the whole project with consultation undertaken for the individual Chatswood to Sydenham and Sydenham to Bankstown projects.

Have your say

Sydney Metro City & Southwest is being assessed under the *Environmental Planning and Assessment Act 1979* as a Critical State Significant Infrastructure Project and will not require an Aboriginal Heritage Impact Permit in accordance with Part 6 of the *National Parks and Wildlife Act 1974.* However, Transport for NSW wishes to undertake Aboriginal community consultation in order to compile a list of Registered Aboriginal Parties for the project.

Anyone interested should register with Artefact Heritage Consultants.

Written registrations should provide their name, address, and phone number and be addressed to:

TfNSW c/o Dr Sandra Wallace, Director, Artefact Heritage, Level 4, Building B, 35 Saunders Street, Pyrmont NSW 2009 Alternatively, email sandra.wallace@artefact.net.au or phone 02 9518 8411.

Submissions should be registered by 18 May 2016.

Please mark all responses with the subject line:

'Sydney Metro - Confidential'

Please be advised that the details of all parties who register will be forwarded to the Office of Environment and Heritage and the Local Aboriginal Land Council unless specified otherwise.

www.sydneymetro.info 1800 171 386 sydneymetro@transport.nsw.gov.au





## Appendix C: Consultation Documents

Agency Letters



Metropolitan Local Aboriginal Land Council PO Box 1103 Strawberry Hills SYDNEY NSW 2012

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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Sydney Metro has two core components:

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Sydney Metro City & Southwest is being assessed as two separate components, Chatswood to Sydenham and Sydenham to Bankstown.

The purpose of the Aboriginal community consultation is to assist the assessment of both components of Sydney Metro City & Southwest under the *Environmental Planning and Assessment Act 1979.* TfNSW therefore seeks to consult with all Aboriginal persons and organisations who hold cultural knowledge relevant to determining the significance of Aboriginal object or places within the project area.

For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



National Native Title Tribunal GPO Box 9973 SYDNEY NSW 2001

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



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

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



North Sydney Council PO Box 12 North Sydney SYDNEY NSW 2059

Attention: Brad Stafford

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

Sydney Metro is Australia's largest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



Regional Operations Group Office of Environment and Heritage PO Box 644 Parramatta SYDNEY NSW 2124

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



Office of the Registrar PO Box Glebe SYDNEY NSW 2037

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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Kind Regards

#### **Carolyn Riley**



Heritage Officer Sydney Metropolitan Catchment Management Authority PO Box 3720 Parramatta SYDNEY NSW 2124

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



Willoughby City Council PO Box 57 Chatswood SYDNEY NSW 2057

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



Bankstown Council PO Box 8 Bankstown SYDNEY NSW 1885

Attention: Graeme Beattie

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



City of Canterbury PO Box 77 Campsie SYDNEY NSW 2194

Attention: Andy Sammut

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



City of Sydney GPO Box 1591 SYDNEY NSW 2001

Attention: Bryony Cooper

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



Gandangara Local Aboriginal Land Council PO Box 1038 Liverpool BC SYDNEY NSW 1871

To Whom It May Concern

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**



Marrickville Council PO Box 14 Petersham SYDNEY NSW 2049

Attention: Simone Schwarz

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

#### **Carolyn Riley**

Responses to Agency Letters



## Office of Environment & Heritage

Our reference:

SF16/1630

TfNSW c/o Dr Sandra Wallace Artefact Heritage Level 4, Building B 35 Saunders Street PYRMONT NSW 2009

#### Dear Dr Wallace,

Thank you for your letter dated 12/5/2016 to the Office of Environment and Heritage (OEH) regarding obtaining a list of the Aboriginal stakeholders that may have an interest in the Sydney Metro Northwest and Sydney Metro City & Southwest Projects by Transport for NSW.

Before making an application for the issue of an Aboriginal Heritage Impact Permit, the applicant must carry out an Aboriginal community consultation process in accordance with the National Parks and Wildlife Regulation 2009 and completed to the stage described in subclause 80C.

Please find attached the list of Aboriginal stakeholders known to OEH that may have an interest in the project. OEH's list of regional stakeholders is a list of groups, organisations or individuals who may hold cultural knowledge relevant to a proposal in a region. You should contact the stakeholders who have indicated an interest in the Local Government Area (LGA) relevant to your project. Contact details are correct as at the time of registration. Consultation with Aboriginal people should not be confused with employment. Inclusion on the OEH's list is not an automatic right to employment. It is the decision of a proponent on who they choose to engage to deliver services based on a range of considerations including skills, relevant experience, and WHS considerations. To be clear, the proponent is under no obligation to employ Aboriginal people registered for consultation.

Further, receipt of this information does not remove the requirement of a proponent/consultant to advertise in local print media and contact other bodies seeking interested Aboriginal parties. Consultation with Aboriginal stakeholders must be in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* which can be found on the Office of Environment and Heritage (OEH) public website by accessing the following link:

#### http://www.environment.nsw.gov.au/resources/cultureheritage/commconsultation/09781ACHconsultreq.pdf

If you wish to discuss any of the above matters further please contact Sam Higgs, Archaeologist, on (02) 9995 6824.

Yours sincerely

S. Hannisch 18/05/16

Susan Harrison Senior Team Leader Planning Greater Sydney Region <u>Regional Operations</u>

Level 6, 10 Valentine Avenue, Parramatta NSW 2150 PO Box 644, Parramatta NSW 2124 Tel: (02) 9995 5477 ABN 30 841 387 271 www.environment.nsw.gov.au

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
Deerubbin Local Aboriginal Land Council	Kevin Cavanagh	(02) 4724 5600	Not provided	2/9 Tindale St, Penrith NSW 2750	Hawkesbury Blacktown Penrith Fairfield	Holroyd Blue Mountains The Hills Shire Parramatta	
Tharawal Local Aboriginal Land Council	Not provided	(02) 46810059	Not provided	PO Box 20 Buxton NSW 2571	Camden Campbelltown Wollondilly	Sutherland Liverpool	
Metropolitan Local Aboriginal Land Council	Nathan Moran	(02) 83949666	Not provided	PO Box 1103 Strawberry Hills NSW 2016	The Hills Shire Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Auburn Auburn Canada Bay	Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah	
Gandangara Local Aboriginal Land Council	Not provided	(02) 96025280	Not provided	PO Box 1038 Liverpool NSW 2170	Liverpool Fairfield Holroyd Parramatta	Auburn Bankstown Sutherland	
La Perouse Local Aboriginal Land Council	Chris Ingrey	(02) 9311 4282	Not provided	PO Box 365 Matraville NSW 2036	Sutherland Randwick Botany Bay Waverlv	Woollahra Sydney Rockdale	An subsection of the
Parramatta City Council Aboriginal Advisory Committee	Parramatta City Council	(02)9806 5050	Not provided	PO Box 32, Parramatta, NSW, 2124	Parramatta		
Holroyd City Council Advisory Committee	Holroyd City Council	(02) 9840 9840	Not provided	P.O. Box 42, Merrylands, NSW 2160	Holroyd		
Darug Custodian Aboriginal Corporation	Leanne Watson	02 4577 5181 / 0415 770 163	Not provided	PO Box 81, Windsor NSW 2756	Hawkesbury Blacktown Penrith Fairfield Holroyd Blue Mountains	Camden Campbelltown The Hills Shire Liverpool Parramatta	
Darug Tribal Aboriginal Corporation	Not provided	02 9622 4081	Not provided	PO Box 441, Blacktown NSW 2148	Hawkesbury Blacktown Penrith Fairfield Holroyd Blue Mountains	Camden Campbelltown The Hills Shire Liverpool Parramatta	
Darug Aboriginal Cultural Heritage Assessments	Gordon Morton	02 9410 3665 or 0422 865 831	Not provided	Unit 9, 6 Chapman Avenue, Chatswood, NSW 2067	Hawkesbury Blacktown Penrith Fairfield Holroyd Blue Mountains Campbelltown The Hills Shire	Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney	

.

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Banctown	Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah	
Darug Land Observations	Gordon Workman	0415 663 763/	fax 02 9831 8868	PO Box 571, Plumpton, NSW 2761	i i	valiouginuy Camden Cambelltown The Hills Shire Liverpool Parramatta	
Des Dyer		0408 360 814	Not provided	18a Perigee Close, Doonside 2767	Pluc Mountains Hawkesbury Blacktown Penrith Fairfield	Camden Campbelltown The Hills Shire Liverpool	
Ken Foster	Number of the second se	0411 818 091	Not provided	68 Australia St Matraville	1		
La Ferouse Bolariy Bay Corporation	r vonne simms	04660 94491	Fax (02) 9311 3440	10 Murrong Place, La Perouse NSW 2036	Sutherland	A State of the second s	
Norma Simms		04660 94491	Not provided	10 Murrong Place, La Perouse NSW 2036	Sutherland	「東京の	
Matthew and Andrew Coe		(08)83442196	Not provided	37 Derlanger Avenue, Collingswood, South Australia 5081	Sutherland	Contractor of	
Gundungurra Aboriginal Heritage Association Inc	Merl Williams	02 4757 3223	Not provided	PO Box 31, Lawson NSW 2783	Blue Mountains		
Gundungurra Tribal Council Aboriginal Corporation	Sharon Brown	02 4729 3713	Not provided	PO Box 7244, Leura NSW 2780	Blue Mountains	and a second	
Trevor Robinson		Not provided	Not provided	PO Box 73, Peak Hill, NSW 2869	Blue Mountains		
Widescope Indigenous Group	Steven Hickey and Donna Hickey	0425 230 693 (Steven) 0425 232 056 (Donna)	Not provided	73 Russell Street, Emu Plains, NSW 2750	Blue Mountains		
Tania Matthews		0407056992/6 7924038	Not provided	23 Reid Street, Narrabri, NSW 2390	Blue Mountains		
A1 Indigenous Services	Carolyn Hickey	0411 650 057	cazadirect@live.com	73 Russell Street, Emu Plains, NSW 2750.	Blue Mountains		Carolyn is Wonnarua
Cubbitch Barta	Glenda Chalker Rebecca Chalker	0427 218 425 Not Provided	Not provided Not provided	55 Nightingale Rd, Pheasants Nest NSW 2574 99 Menanole street. Picton 2571	Camden L Campbelltown /	Liverpool Wollondilly	
Eric Keidge		04311 66423	Not provided	11 Olsson Close Hornsby Heights NSW 2077	The Hills Shire I Sydney Sydney Kogarah Hurstville Rockdale I Canterbury H	Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby	

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
2	5 n			2	Bankstown Strathfield Burwood Ashfield Auburn Canada Bay	Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoudhby	
Gunjeewong Cultural Heritage Aboriginal Corporation	Cherie Carroll Turrise	(02) 6355 4110	Not provided	1 Belivue Place, Portland NSW, 2847	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	Cherie is a Ngunnawal Elder however lived in the Western Sydney area during her childhood. She recognises she is not from the area but has
Merrigarn Indigenous Corporation	Shaun Carroll	0435 040 842	Not provided	GPO Box 158, Canberra City, ACT, 2601	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	Shaun is Ngunnawal and is Cherie's brother.
Corroboree Aboriginal Corporation	Steve Johnson	0406 991 221	Not provided	PO Box 3340, Rouse Hill, NSW 2155	Western Sydney Camden	Campbelltown Parramatta	Ngunnawal and lives in Western Svdnev
Murri Bidgee Mullangari Aboriginal Corporation	Darleen Johnson	0490 051 102	Not provided	PO Box 246, Seven Hills, NSW, 2147	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	Ngunnawal and lives in Western Sydney
Muragadi Heritage Indigenous Corporation	Jesse Johnson	0447 970 049	Not provided	5 Hession Road, Nelson, NSW 2765	Western Sydney Camden	Campbelltown Parramatta	Ngunnawal and lives in Western Svdnev
Bidjawong Aboriginal Corporation	James Carroll	0433 224 324	Not provided	PO Box 124, Round Corner, NSW 2158	Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Parramatta	
Phil Kahn		0434 545 982	Not provided	78 Forbes Street, Emu Plains, NSW 2750	Hawkesbury Blacktown Penrith Fairfield Holrovd	Camden Campbelltown Liverpool Parramatta	
Peter Falk Consultancy	Peter Falk	0401 938 060	Not provided	PO Box 1018 Mittagong NSW 2575	Camden Campbelltown	Wollondilly	
Wurrumay Consultancy	Kerrie Slater	0423 935 556	Not provided	89 Pyramid street, Emu Plains NSW	Hawkesbury Blacktown Penrith Fairfield Holrovd	Camden Campbelltown Liverpool Parramatta	
Warragil Cultural Services	Aaron Slater (Manager)	0481 280 067	Warragil c.s@hotmail.com		Hawkesbury Blacktown Penrith Fairfield	Holroyd Camden Campbelltown Liverpool Parramatta	
Kawul Cultural Services	Kelly Slater Vicky Slater (Manager)	0431 720 887	Not provided	89 Pyramid Street, Emu Plains NSW 2750	Hawkesbury Blacktown Penrith Fairfield Holroyd	Camden Campbelltown Parramatta Wollondilly The Hills Shire	

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					Blue Mountains Sutherland Liverpool	Auburn Bankstown	
Tocomwall	Scott Franks	0404 171 544	Not provided	PO Box 76, Caringbah NSW 1495	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Camden Camden Camden Liverpool Parramatta Sydney Fogarah Hurstville Rockdale Canterbury Martcoville Bankstown	Strathfield Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Lane Cove Hunters Hill Hornsby Rude Botany Bay Ryde Warringah	
D'harawal Mens Aboriginal Corporation	Elwyn Brown	0401920982	Not provided	187 Riverside Drive, Airds NSW 2560	Camden Cambelltown	Wollondilly	
Amanda Hickey Cultural Services	Amanda Hickey	0434 480 588	Not provided	41 Dempsey Street, Emu Heights, NSW 2750	Hawkesbury Blacktown Penrith Blue Mountains	Fairfield Holroyd Parramatta	Amanda is Wonnarua
Widescope Indigenous Group	Steven Hickey and Donna Hickey	0425 230 693 0425 232 056	Not provided	73 Russell Street, Emu Plains, NSW 2750	Hawkesbury Blacktown Penrith	Fairfield Holroyd Parramatta Blue Mountains	
HSB Consultants	Patricia Hampton	0424 142 216	Not provided	62 Ropes Crossing Boulevard, Ropes Crossing 2760	Hawkesbury Blacktown Penrith	Fairfield Holroyd Parramatta	
Rane Consulting	Tony Williams	02 88246991	Not provided	1 Pyrenees Way Beaumont Hills NSW 2155	Hawkesbury Blacktown Penrith	Fairfield Holroyd Parramatta	and the second
Anthony Williams		0456 399 687	Not provided	Unit 2 / 24 Goodwin Street Narrabeen NSW 2101	Hawkesbury Blacktown Penrith	Fairfield Holroyd Parramatta	
Dhinawan-Dhigaraa Culture & Heritage Pty Ltd	Ricky Fields Athol Smith	0402 942 572 0449 665 715	Not provided Not provided	19 Moomi Street, Lalor Park, NSW, 2147 16 Yantara Place, Woodcroft, NSW,	Hawkesbury Blacktown Penrith	Fairfield Holroyd Parramatta	
Gunyuu	Kylie Ann Bell	Not provided	gunyuuchts@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Cambelltown	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Warringah	
Walbunja	Hika Te Kowhai	0402 730 612	walbunja@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrckville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Morth Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Ryde Warringah Warringah	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River the Snowy River
Badt.	Karia Lea Bond	0476 381 207	Not provided	11 Jeffery Place, Moruya, NSW 2537	Hawkesbury Blacktown Penrith Fairfield Holroyd Cambelltown Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrekbury Marrekbury Martekbury Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Manly Morth Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Pittwater Ryde Ryde Warringah Wiaringah	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River the Snowy River
Goobah Developments	Basil Smith	0405 995 725	Not provided	66 Grantham Road, Batehaven NSW, 2536	Hawkesbury Blacktown Penrith Fairffeld Holroyd Camden Cambelltown	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrokville Bankstown Strathfield	North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Ryde Warringah Willoughby	2
DunlinW	Lee-Roy James Boota	0403 703 942	Not provided	54 Blackwood Street, Gerringong, NSW, 2534	Hawkesbury Blacktown Penrith Fairfield Holroyd Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River
					Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Pittwater Botany Bay Ryde Warringah Willoughby	
	Topoert Tarson	Not provided	yerramurra@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Cambelltown Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manhy North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River the Snowy River
	Newton Carriage	Not Provided	nundagurri@gmail.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River

Organisation/	Contact Name	Phone	Email Address/	Postal Address	2,001		A 4426 1 1 - 6
Individual		Number	Fax		5		Additional Information
					Liverpool	North Sydney	
					Sutherland	Hunters Hill	
					Sydney	Hornsby	
					Kogarah	Ku-Ring-Gai	
					Bookdolo	Pittwater	
					Canterhund	Botany Bay	
					Marrickville	Warringah	
					Bankstown Strathfield	Willoughby	
Murrumbul	Mark Henry	Not provided	murrumbul@gmail.com	Not provided	Hawkesbury	Burwood	This group states that
					Blacktown	Ashfield	their boundaries (Murrin
					Fairfield	Auburn Canada Bav	Peoples) extend from the Hawkeshury River to
					Holroyd	Leichhardt	the Snowy River.
		3			Camden	Manly	
					Campbelltown	Mosman	
					Liverpool	North Sydney	
					Parramatta	Lane Cove	
					Sutherland	Hunters Hill	
					Sydney	Hornsby	
					Kogarah	Ku-Ring-Gai	
					Pockdole	Pittwater	
					Conterbury	Botany Bay	
					Marrichvilla	Morringeh	
					Bankstown	Willoughby	
					Strathfield	(a.,Baa	
Jerringong	Joanne Anne Stewart	0422 800 184	jerringong@gmail.com	Not provided	Hawkesbury	Burwood	This group states that
					Danrith	Ashtield	Docaloo) actored from
					Fairfield	Canada Day	Heoples) extend from
					Holrovd	Canada bay	the Hawkesbury Kiver to
					Camden	Manly	
					Campbelltown	Mosman	
					Liverpool	North Sydney	
					Parramatta	Lane Cove	
					Svdnev	Horneby	
					Kogarah	Ku-Ring-Gai	
					Hurstville	Pittwater	
					Rockdale	Botany Bay	
						Kyde	
					Bankstown	Warringan	
					Strathfield	62.655	
Pemulwuy CHTS	Pemulwuy Johnson	0425 066 100	pemulwuyd@gmail.com	14 Top Place, Mt Annan	Hawkesbury	Strathfield	This group states that
					Blacktown	Burwood	their boundaries (Murrin
					Fairfiald	Ashtield	Peoples) extend from
					Holrovd	Canada Bay	the nawkespury River to
					Camden	Leichhardt	
				2	Campbelltown	Manly	

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					The Hills Shire Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown	Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Ryde Warringah	
Bilinga	Simalene Carriage	Not provided	bilingachts@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Camden Cambelltown Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strattfield	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Manly North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.
Munyunga	Kaya Dawn Bell	Not provided	munyungachts@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Camden Camdel Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Burwood Ashfield Auburn Canada Bay Leitchhardt Manly Manly Manly Manly Manly Manly Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Ryde Warringah Willoughby	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.
wingkara	Hayley Bell	Not provided	wingikarachts@gmail.com	Not provided	Hawkesbury Blacktown Fairfield Holroyd Camden Campbelltown	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River.

Organisation/	Contact Name	Phone	Email Address/	Postal Address	LGA's		Additional information
		Number	Fax		Liverpool Parramatta Sutherland Sydney Kooarah	North Sydney Lane Cove Hunters Hill Hornsby Ku-Rino-Gai	
					Hursbruid Rockdale Canterbury Marrickville Bankstown	Pittwater Botany Bay Ryde Warringah Willoughby	
Міплатипд	Aaron Broad	0402 526 888	Not provided	1 Waratah Avenue, Albion Park Rail NSW 2527	Sutatmieud Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Camden Cambelltown Liverpool	Burwood Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Svdnev	
					Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown	Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Ryde Warringah Willoundhby	
Gundungurra Tribal Technical Services	Peter Foster	0432 590 289	chrispayne776@gmail.com	4 Tuppal Way, Airds NSW 2560	Strathfield Hawkesbury Blacktown Penrith	Burwood Ashfield Auburn	This individual is a member of Gundungurra Tribal Technical
	Christopher Payne Chairperson	0466 975 437	chrispayne776@gmail.com	9/15/22 Burns Road, Leumeah NSW 2560	Fairfield Holroyd Cambelltown	Canada Bay Leichhardt Manly Mosman	Services This individual is a member of Gundungurra Tribal Technical
	Tony Williams Secretary	0490 126 040	chrispayne776@gmail.com or ajw08@tpg.com.au	Not provided	Parramatta Sutherland Sydney Kogarah	Lane Cove Lane Cove Hunters Hill Hornsby Ku-Ring-Gai	Jervices This individual is a member of Gundungurra Tribal Technical
	David Bell	0450 124 891	chrispayne776@gmail.com	67 Dickens Road, Ambarvale NSW 2560	Hurstville Rockdale Canterbury Marrickville	Pittwater Botany Bay Ryde Warringah	This individual is a member of Gundungurra Tribal Technical
	Terri Ann Hoskins	0434 874 090	chrispayne776@gmail.com or hoskins.terri@yahoo.com.au	19B Soliano Street, Rosemeadow NSW 2560	Bankstown Strathfield	Willoughby	This individual is a member of Gundungurra Tribal Technical Services
Walgalu	Ronald Stewart	Not provided	walgaluchts@gmail.com	Not provided	Hawkesbury Blacktown Penrith Fairfield Holroyd	Ashfield Auburn Canada Bay Leichhardt Manly	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River

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

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					Strathfield Randwick Woollahra	Burwood The Hills Waverly Wollondillv	
Services Services	Kobert Brown	Not Provided	bilinga@mirramajah.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Campbelltown Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Ashfield Auburn Canada Bay Leichhardt Manly Morth Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Fittwater Burany Bay Ryde Buranod Blue Mountains Burwood The Hills Waverly Wollondilly	This group is a member of the Mirramajah Group of RAPs
Gunyuu Cuitural Heritage Technical Services	Darlene Hoskins- McKenzie	Not Provided	gunyuu@mirramajah.com management@mirramajah.com om (management & administrative email address for the Mirramajah Group of RAPs).	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Cambelltown Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hunsby Ku-Ring-Gai Pittwater Bittwater Warringah Willoughby Blue Mountains Blue Mountains Waverly Wolondilly	This group is a member of the Mirramajah Group of RAPs
Munyunga Cultural Heritage Technical Services	Suzannah McKenzie	Not Provided	munyunga@mirmajah.com	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Campbelltown Liverpool	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove	This group is a member of the Mirramajah Group of RAPs

Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Willoughby Blue Mountains Blue Mountains Waverly Wohlondilly	
Murrumbul Cultural Heritage Technical Services	Levi McKenzie- Kirkbright	Not Provided	murrumbul@mirramajah.co	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Camden Camden Camden Liverpool Parramatta Sutherland Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hunrsby Ku-Ring-Gai Pittwater Botany Bay Ryde Warringah Warringah Warringah Warringah Warringah	This group is a member of the Mirramajah Group of RAPs
Wingikara Cultural Heritage Technical Services	Wandai Kirkbright	Not Provided	wingikara@mirramajah.com	Not Provided	Woollahra Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Camden Camden Camden Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown	Vaveriy Waveriy Wolondilly Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Botany Bay Ryde Waringah Willoughby Blue Mountains Burwood	This group is a member of the Mirramajah Group of RAPs
					Woollahra	une mills Waverly	

Organisation/ Individual	Contact Name	Phone	Email Address/	Postal Address	LGA's		Additional information
			Lav			11. 11. 11.	
Gulada	Mendy Smith	Not Drovided	dillacachte@cmail.com	Not Browidod	I lander three	Wollondilly	
					Hawkesbury	Ashtield	I his group states that
	2				Deadth	Auburn	their boundaries (Murrin
					Loiofald		Peoples) extend from
						Leichnardt	the Hawkesbury River to
	8				Liona	Manly	the Snowy River
			10		Camden	Mosman	
					Campbelltown	North Sydney	
					Liverpool	Lane Cove	
					Parramatta	Hunters Hill	
					Sutherland	Hornsby	
					Sydney	Ku-Ring-Gai	
					Kogarah	Pittwater	
					Hurstville	Botany Bay	
					Rockdale	Ryde	
					Canterbury	Warringah	
「「「「「」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」					Marrickville	Willoughby	
					Bankstown	Blue Mountains	
					Strathfield	Binnood	
					Randwick		
					vvoolianra	Waverly	
Biamanga	Seli Storer	Not Provided	biamandachts@amail.com	Not Provided	Hawkeehinn	Achfield	This aroun states that
					Blacktown	Auburn	their boundaries (Murrie
					Domith	Auburn	
						Canada bay	Peoples) extend from
					raimeid	Leichnardt	the Hawkesbury River to
					Holroyd	Manly	the Snowy River
					Camden	Mosman	
					Campbelltown	North Sydney	
					Liverpool	Lane Cove	
					Parramatta	Hunters Hill	
					Sutherland	Hornsby	
					Sydney	Ku-Ring-Gai	A REAL PROPERTY OF A REAL PROPER
					Kogarah	Pittwater	
					Hurstville	Botany Bay	
					Rockdale	Ryde	
					Canterbury	Warringah	
テレーションの語を読みたいで、					Marrickville	Willoughby	
「「「」」「おける」」である」」「「」」」					Bankstown	Blue Mountains	
					Strathfield	Burwood	Ĵ.
					Kandwick	I he Hills	
					vvoolianra	Waverly	
Callendulla	Corev Smith	Not Provided	cullendullachts@amail.com	Not Drovided	Handsschust	Vollondilly	
					Blacktown	Ashtield	I his group states that
				1.07	Penrith	Canada Rav	Decoles) extend from
					Fairfield	Leichhardt	the Hawkeshiny River to
					Holrovd	Manly	the Snowy River
					Camden	Mosman	
					Campbelltown	North Sydney	
					Liverpool	Lane Cove	
					Parramatta	Hunters Hill	
					Sutherland	Hornsby	
					syuney	Ru-Ring-Gai	

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Organisation/ Individual	Contact Name	Phone Number	Email Address/ Fax	Postal Address	LGA's		Additional information
					Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randwick Woollahra	Pittwater Botany Bay Ryde Warringah Warringah Blue Mountains Blue Mountains The Hills Waverly	
Murramarang	Roxanne Smith	Not Provided	murramarangchts@gmail.co	Not Provided	Hawkesbury Blacktown Penrith Fairfield Holroyd Camden Camden Camden Camden Liverpool Parramatta Sydney Kogarah Hurstville Rockdale Canterbury Marrickville Bankstown Strathfield Randfick Woollahra	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Hunters Hill Hornsby Lane Cove Hunters Hill Hornsby Ku-Ring-Gai Pittwater Pittwater Botany Bay Warringah Willoughby Blue Mountains Burwood The Hills Waverly Waverly	This group states that their boundaries (Murrin Peoples) extend from the Hawkesbury River to the Snowy River the Snowy River
Duncan Suey & Associates	Darren Duncan	0410 510 397	darrenjohnduncan@gmail.co	Not Provided	Hawkesbury Blacktown Penrith Parramatta Sydney Marrickville Strathfield Warringah Warringah Warringah Warringah Warringah Warringah Warringah Warringah Warringah Warringah Warringah Warringah Kyde Ryde	Ashfield Auburn Canada Bay Leichhardt Manly Mosman North Sydney Lane Cove Lane Cove Hunters Hill Hurnsby Ku-Ring-Gai Pittwater	



#### 19 May 2016 ref: OE&H : 19-5-2016/1

TfNSW c/o Dr Sandra Wallace Director Artefact Heritage Level 4, Building B 35 Sounders Street Pyrmont NSW 2009

Dear Sir or Madam

#### Aboriginal Cultural Heritage Assessment

#### Sydney Metro City Northwest & Southwest

I refer to your letter of 12 May 2016 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



PO Box 2105 Strawberry Hits NSW 2017 Australia 1 + 61 2 9310 4177 ation 71 098 971 209 www.ntscorp.com.au

T \Future Acts\Correspondence\Templates\Updated notifications as of June 2012\OEHs4 1 2-to-proponent

#### **Claire Rayner**

From: Sent: To: Subject: Attachments: Sandra Wallace Monday, 23 May 2016 4:00 PM Claire Rayner FW: Aboriginal Cultural Heritage Assessment ATT00001; Joanna Stobinski.vcf

Dr Sandra Wallace Managing Director

#### **ARTEFACT**

Telephone: 61 2 8570 1203 Mobile: 0403565086 Address: Level 4, Building B, 35 Saunders Street, Pyrmont NSW 2009 Web: www.artefact.net.au

#### Cultural Heritage Management | Archaeology | Heritage Interpretation

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From: Joanna Stobinski [mailto:Joannas@canterbury.nsw.gov.au]
Sent: Monday, 23 May 2016 3:46 PM
To: Sandra Wallace <Sandra.Wallace@artefact.net.au>
Subject: Aboriginal Cultural Heritage Assessment

Dear Dr Wallace,

At Canterbury City Council we have been operating a very active Canterbury Aboriginal Advisory Group for over ten years. However, over the last two years the numbers have dropped as some people moved out of the area or became too frail to attend our quarterly meetings.

The remaining members who may hold some cultural knowledge relevant to determining the significance of Aboriginal places around the Canterbury Bankstown area are:

Ms Joan Tanter joan.tranter@uts.edu.au

Ms Jennifer Newman jennster@me.com

Mr John Blair johnbarryblair@gmail.com

Ms Margaret Williams (No email) 29 Kylie Pde Punchbowl Ph 97858260 Only this month, we have been amalgamated with the Bankstown City Council so future directions of the Canterbury Aboriginal Advisory Group will be decided in collaboration with our counterparts at Bankstown.

I hope this information will be of assistance to you in your Aboriginal cultural heritage assessment for the Sydney Metro City and Southwest project.

Kind regards,

# Joanna Stobinski | Diversity Officer

Capacity Development Team City of Canterbury 137 Beamish St Campsie NSW 2194 T: 9789 9472 | F: 9718 7227 | joannas@canterbury.nsw.gov.au | www.canterbury.nsw.gov.au



I would like to acknowledge the traditional owners of this land, the Bediagal people of Dharuk nation, and pay my respect to their Elders past and present.

Telephone +61 2 9265 9333 council@cityofsydney.nsw.gov.au GPO Box 1591 Sydney NSW 2001 cityofsydney.nsw.gov.au



23 May 2016

Our Ref: 2016/257823-01 File No: X000068

Dr Sandra Wallace Transport for NSW Director Artefact Heritage Level 4, Building B 35 Saunders Street Pyrmont, NSW 2009

Dear Dr Wallace

### Sydney Metro City and South West Aboriginal Cultural Heritage Assessment

For areas within the City of Sydney LGA, Transport for NSW should contact the Metropolitan Local Aboriginal Land Council directly for cultural advice. For areas outside the City of Sydney LGA, TfNSW will need to contact the relevant land council for that area.

The Metropolitan Local Aboriginal Land Council is the custodian of Aboriginal culture and heritage within the Sydney region. The website is: http://metrolalc.org.au.

City of Sydney staff refer to the Metropolitan Local Aboriginal Land Council for any cultural advice or representation under the Principles of Cooperation signed by the Metropolitan Local Aboriginal Land Council and the City of Sydney in 2006 (http://www.cityofsydney.nsw.gov.au/\_\_data/assets/pdf\_file/0020/113672/Principles-of-cooperation.pdf).

The City also strongly recommends Sydney Metro consult with other long established organisations likely to hold cultural knowledge, including:

- National Centre of Indigenous Excellence
- Gadigal Information Services
- Redfern Aboriginal Medical Service
- Wyanga Aged Care
- Aboriginal Housing
- City of Sydney's Aboriginal and Torres Strait Islander Advisory Panel

For more information about Sydney's Aboriginal and Torres Strait Islander communities, please see the City's website:

http://www.cityofsydney.nsw.gov.au/community/community-support/aboriginal-and-torres-strait-islander-communities.

Yours sincerely,

Bryony Cooper Executive Manager City Access and Transport

cc Carolyn Riley, Senior Manager – Environmental Planning, Sydney Metro City and South West

NORTH SYDNEY

address 200 Miller Street North Sydney NSW 2060

PO Box 12 North Sydney NSW 2059

all correspondence General Manager North Sydney Council

DX10587



#### COUNCIL

telephone (02) 9936 8100 facsimile (02) 9936 8177

email council@northsydney.nsw.gov.au internet www.northsydney.nsw.gov.au ABN 32 353 260 317

Transport for New South Wales C/- Dr Sandra Wallace Director, Artefact Heritage Level 4 Building B 35 Saunders Street PYRMONT NSW 2009

BMS (CIS)

24 May 2016

Dear Dr Wallace,

## RE: SYDNEY METRO CITY & SOUTHWEST ABORIGINAL CULTURAL HERITAGE ASSESSMENT

I write with regard to a letter received from Transport for NSW dated 12 May 2016, in which Council is requested to provide you with information to assist you in undertaking the above assessment.

Council's Aboriginal Heritage Office has advised that the following organisations should be engaged directly during the assessment process:

- Sydney Metropolitan Local Aboriginal Lands Council at 36-38 George Street, Redfern; and
- Aboriginal Heritage Office, PO Box 12, North Sydney NSW 2059.

If you would like to discuss the above, please contact David Watts, Manager Aboriginal Heritage Office on 9936 8267, or Brad Stafford, Executive Planner Metro Project on 9936 8358.

Yours sincerely,

Marcelo Occhiuzzi MANAGER STRATEGIC PLANNING



Invitations to Register



Mr. Eric Keidge 11 Olsson Close Hornsby Heights NSW 2077

Dear Mr. Eric Keidge

### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

Sydney Metro is Australia's largest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

Riley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Goobah Developments 66 Grantham Rd Batehaven NSW 2536

Dear Mr. Basil Smith

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South Building, 22 Giffnock Avenue, Macquarie Park NSW 2113 PO Box 588, North Ryde Business Centre NSW 1670 T 02 8265 6000 F 02 8265 9501 <u>http://nwrail.transport.nsw.gov.au/</u> ABN 18 804 239 602

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Gulaga gulagachts@gmail.com

Dear Wendy Smith

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Kind Regards

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Gundungurra Tribal Technical Services 67 Dickens Rd Ambarvale NSW 2560

Dear Mr. David Bell

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Gundungurra Tribal Technical Services 19B Soliano St Rosemeadow NSW 2560

Dear Terri Ann Hoskins

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Gundungurra Tribal Technical Services ajw08@tpg.com.au

Dear Mr. Tony Williams

### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Gunyuu Cultural Heritage Technical Services gunyuu@mirramajah.com

Dear Darlene Hoskins-McKenzie

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Gunyuu gunyuuchts@gmail.com

Dear Kylie Ann Bell

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Jerringong jerringong@gmail.com

Dear Joanne Anne Stewart

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Riley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Kawul Cultural Services 89 Pyramid St Emu Plains NSW 2750

Dear Kelly & Vicky Slater

# Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Minnamunnung 1 Waratah Ave Albion Park NSW 2527

Dear Aaron Broad

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Munyunga Cultural Heritage Technical Services <u>munyunga@mirramajah.com</u>

Dear Suzannah McKenzie

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Munyunga munyungachts@gmail.com

Dear Kaya Dawn Bell

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Murramarang murramarangchts@gmail.com

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Murrumbul Cultural Heritage Technical Services <u>murrumbul@mirramajah.com</u>

Dear Mr. Levi McKenzie-Kirkbright

### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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Murrumbul murrumbul@gmail.com

Dear Mr. Mark Henry

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le

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Nundagurri nundagurri@gmail.com

Dear Newton Carriage

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**Carolyn Riley** <sup>1</sup> Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Pemulwuy CHTS 14 Top Place Mount Annan NSW 2567

Dear Pemulwuy Johnson

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Thauaira thauairachts@gmail.com

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Walbunja walbunja@gmail.com

Dear Hika Te Kowhai

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Walgalu walgaluchts@gmail.com

Dear Ronal Stewart

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**Carolyn Riley** / Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Wingikara Cultural Heritage Technical Services wingikara@mirramajah.com

Dear Wandai Kirkbright

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Wiley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Wingikara wingikarachts@gmail.com

Dear Hayley Bell

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Wullung 54 Blackwood St Gerringong NSW 2534

Dear Mr. Lee-Roy James Boota

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Yerramurra@gmail.com

Dear Mr. Robert Parson

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Badu 11 Jeffery Pl Morya NSW 2537

Dear Karia Lea Bond

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Biamanga biamangachts@gmail.com

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Bilinga Cultural Heritage Technical Services bilinga@mirramajah.com

Dear Robert Brown

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Bilinga bilingachts@gmail.com

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Callendulla callendullachts@gmail.com

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Canterbury Aboriginal Advisory Group jennster@me.com

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**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Canterbury Aboriginal Advisory Group joan.tranter@uts.edu.au

Dear Joan Tanter

### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

Sydney Metro is Australia's largest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

Sydney Metro has two core components:

**Stage 1: Sydney Metro Northwest** – formerly the 36km North West Rail Link. This \$8.3 billion project is now under construction and will open in the first half of 2019 with a metro train every four minutes in the peak.

**Stage 2: Sydney Metro City & Southwest** – a new 30km metro line extending metro rail from the end of Sydney Metro Northwest at Chatswood under Sydney Harbour, through new CBD stations and southwest to Bankstown. It is due to open in 2024 with the capacity to run a metro train every two minutes each way through the centre of Sydney.

Sydney Metro City & Southwest is being assessed as two separate components, Chatswood to Sydenham and Sydenham to Bankstown.

The purpose of the Aboriginal community consultation is to assist the assessment of both components of Sydney Metro City & Southwest under the *Environmental Planning and Assessment Act 1979.* TfNSW therefore seeks to consult with all Aboriginal persons and organisations who hold cultural knowledge relevant to determining the significance of Aboriginal object or places within the project area.

Your organisation has been identified as possibility having an interest in the project area. If you hold cultural knowledge relevant to the Chatswood to Bankstown area, we invite you to register in the process of community consultation.

TfNSW c/o Dr Sandra Wallace Director Artefact Heritage Level 4, Building B 35 Saunders Street Pyrmont NSW 2009

Please be advised that, in accordance with the consultation requirements, if you are registering an interest your details will be forwarded to Office of Environment & Heritage and the Metropolitan Local Aboriginal Land Council and Gandangara Local Aboriginal Land Council, unless you specify that you do not wish your details to be released.

For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

ley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Canterbury Aboriginal Advisory Group johnbarryblair@gmail.com

Dear Mr John Blair

### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

ley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Canterbury Aboriginal Advisory Group 29 Kylie Pde Punchbowl NSW 2196

Dear Ms Margaret Williams

#### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Kind Regards

iley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Dharug dharugchts@gmail.com

Dear Mr. Andrew Bond

## Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

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For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Riley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest



Duncan Suey & Associates darrenjohnduncan@gmail.com

Dear Mr. Darren Duncan

### Re: Sydney Metro City & Southwest Aboriginal Cultural Heritage Assessment

Sydney Metro is Australia's largest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

Sydney Metro has two core components:

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Please be advised that, in accordance with the consultation requirements, if you are registering an interest your details will be forwarded to Office of Environment & Heritage and the Metropolitan Local Aboriginal Land Council and Gandangara Local Aboriginal Land Council, unless you specify that you do not wish your details to be released.

For further information, please contact Sandra by email at sandra.wallace@artefact.net.au, or on 9518 8411.

Keley

**Carolyn Riley** Principal Manager – Environmental Planning Sydney Metro – City & Southwest

Registrations of Interest

## **Claire Rayner**

From: Sent: To: Subject: Attachments: Gordow <gordow51@bigpond.net.au> Friday, 6 May 2016 3:38 PM Sandra Wallace Sydney Metro Sydney Metro.doc

With Thank's

Uncle Gordon Workman Darug Elder

# **DARUG - LAND - OBSERVATIONS**

## Pty Ltd



ABN: 27 602 765 453 E-MAIL: darudlandobservations@gmail.com PO BOX: 571 Plumpton. NSW 2761 Phone: 029831 8868 or 0415 663 763



6-5-2016

Sandra Wallace Director Artefact Heritage

Notification and Registration of ALL Aboriginal Interests Re: Sydney Metro - Confidential

Please be advice that D.L.O is seeking to be involved in any and all consultation meetings and field work.

This office specializes in Aboriginal and community consultation. An has a membership that comprises of Traditional owners from the area in question those retain strong story and song lines and oral history and continued contact. We would also like to state that we do not except or support any person or organization that are NOT from the DARUG Nation that comments regarding the said area. Please also be advised that this aboriginal Organization does not do volunteer work or attend unpaid meetings. I hope that you advise your client of this so that, This Group will not be discriminated against and refused paid field work.

All Correspondence should be emailed to the following darudlandobservations@gmail.com

Yours faithfully

Uncle Gordon Workman Darug Elder

Sites Officer

# KAMILAROI-YANKUNTJATJARA WORKING BROUP

Pollowan Phillip Khan 78 Forbes Street Emu Plains NSW 2750 Mobile: 0434545982

Sydney Metro - Confidential



TfNSW c/o Dr Sandra Wallace Director Artefact Heritage Level 4, Building B 35 Saunders Street Pyrmont NSW 2009

06/05/16

**Dear Sandra** 

Thank you for your advertisement in the Koori Mail that Artefact has been engaged to undertake archaeological work with Sydney Metro, City & Southwest and that you are inviting Aboriginal organisations to register, if they wish to be involved in the community consultation process.

As Senior Aboriginal person who has for the past forty of so years (40) actively participated in the Protection Aboriginal Cultural Heritage throughout the Sydney Basin , and particularly throughout Western Sydney, I, on behalf of the Kamiloroi Yankuntjatjara Working Group, wish to provide to you my organisations' registration of interest.

#### Information in my registration of Interest:

- 1. I am a Senior Aboriginal and Principal of the Kamilaroi -Yankuntjatjara Working Group, and all Aboriginal entity (ABN33979702507).
- 2. I prefer communicating by, Mail, Telephone, and; and I am, the Principal, person to contact, and;

My contact details are: Phillip Khan 78 Forbes Street, Emu Plains NSW 2750 Mobile 043 4545 982

- 3. I wish to be involved and participate in all levels of consultation/project involvement. I wish to attend all meetings, and, participate in available field work; and would receive a copy of the report.
- 4. I attach to this letter a copy of Kamiloroi- Yankuntjatjara Working Group's; GIO Public Liability Insurance; GIO Workers Compensation Certificate.

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

Yours Sincerely,

Pollowan Phillip Khan

## **Claire Rayner**

From:	Danny Franks <danny@tocomwall.com.au></danny@tocomwall.com.au>
Sent:	Monday, 9 May 2016 11:06 AM
То:	Sandra Wallace
Cc:	Jakub Czastka; Scott Franks; tocomwall@emailmyjob.com
Subject:	(SYDNEY METRO CONFIDENTIAL)
Attachments:	ROI-J0000111.pdf

Good Morning Sandra,

Please find attached Tocomwall's ROI for the above mentioned project.

Your sincerely,

Danny Franks Cultural Heritage Manager





PO Box 76 Caringbah NSW 1495 Tel: 02 9542 7714 Fax: 02 9524 4146 Email: info@tocomwall.com.au www.tocomwall.com.au ABN: 13 137 694 618

09 May 2016

Sandra.Wallace Chatswood-Bankstown Rail Extension Artefact Heritage Level,4 Building B, 35 Saunders Street Pyrmont NSW 2009

Dear Sandra,

RE: Aboriginal Registration for Community Consultation—Sydney Metro City And Southwest extension of Metro rail, Chatswood-Bankstown.

#### **Registration of Interest (ROI)**

Thank you for your notification regarding the Registration of Interest for the opportunity to provide cultural knowledge for the above mentioned project. Tocomwall respectfully requests primary involvement in all consultation meetings and fieldwork associated with the project.

Tocomwall represents traditional owners associated with the project area and retains local knowledge and oral history that will add significant value to the Project's heritage assessment. We have no objection to our contact information being provided to the Office of Environment and Heritage or the Local Aboriginal Land Council.

Tocomwall is also able to assist with input that can be incorporated into a written assessment of cultural values of the area. We employ a well-structured team with the capacity to support all necessary field work for the project. We can provide our schedule of rates and copies of relevant certificates of currency for business insurances upon request.

Tocomwall is a small business that relies upon a consistent cash flow that ensures we can continue to fulfil our client's needs. Unfortunately, the Tocomwall team is not in a position to provide volunteer work or attend meetings on a gratuitous basis. Tocomwall respectfully requests payment terms of 14 days from date of invoice. We would appreciate a copy of the contract and terms and conditions prior to commencement of the project.

Please provide all correspondence to Danny Franks at <u>danny@tocomwall.com.au</u> and <u>info@tocomwall.com.au</u> or to the above postal address.

Should you have any further questions regarding this ROI please contact me directly on 0415 226 725.

Yours faithfully

Fuel

Danny Franks Director and Cultural Heritage Manager

Integrating Landscape Science & Aboriginal Cultural Knowledge for our Sustainable Future

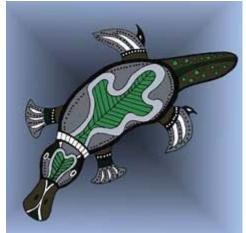
## **Claire Rayner**

From:Ryan Johnson <murrabidgeemullangari@yahoo.com>Sent:Tuesday, 10 May 2016 4:45 PMTo:Sandra WallaceSubject:Sydney Metro - City & SouthwestAttachments:Sandra Artefact 001.jpg

Dear Sandra,

Please find attached letter regarding the above Project. I look forward to hearing from you shortly. Kind regards

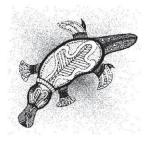
Ryan Johnson | Murra Bidgee Mullangari



Aboriginal Corporation Cultural Heritage

A: PO Box 246, Seven Hills, NSW, 2147 E: <u>murrabidgeemullangari@yahoo.com.au</u> ICN: 8112

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Murra Bidgee Mullangari

Aboriginal Corporation Cultural Heritage ICN: 8112

Date: 10/05/2016

Attention: Sandra Wallace

Artefact Heritage Level 4, Building B, 35 Saunders Street, Pyrmont NSW 2009

Email: sandra.wallace@artefact.net.au

Dear Sandra,

#### Sydney Metro - City & Southwest

Murra Bidgee Mullangari Aboriginal Corporation would like to register an interest in the above project. Our members and family have lived and worked in the area for many of years and still do. I feel that our family and members have a traditional and historical connection to country. Murra Bidgee Mullangari Aboriginal Corporation hold cultural knowledge relevant to determining the significance of Aboriginal objects and or places in the proposed project.

I have worked with Artefact on projects involved with the RMS, and have worked with Aecom, ERM, Niche, Biosis, DSC, OzArk to name a few.

If you require further details please feel free to contact me either by mobile or email. I look forward to hearing from you shortly.

Kind regards

m

Ryan Johnson | Site Officer M: 0497983332 Murra Bidgee Mullangari Aboriginal Corporation Cultural Heritage A: PO Box 246, Seven Hills, NSW, 2147 E: murrabidgeemullangari@yahoo.com.au



Aboriginal Archaeology Service INC: 1400988 P O Box 6283 Rouse Hill NSW 2155 Mobile: 0490 126 040 Email: aas.info@bigpond.com

11<sup>th</sup> May 2016

Ref: Sydney Metro, City and South West

To whom it may concern,

Aboriginal Archaeology Service is seeking *primary involvement* in all consultation meetings and fieldwork for the above-mentioned project. AAS immediate family has lived in the area from 1897 and retains local and oral history on behalf of its first nation people. We have no objection to our information being provided to the Office of Environment and Heritage and the Local Aboriginal Land Council.

AAS is able to assist with input that can be incorporated into a written assessment of cultural values of the area. We are also able to provide fit staff to assist with work that may involve physical labour. We can provide our schedule of rates and copies of relevant certificates of currency for business insurances on request.

All correspondence should be emailed to aas.info@bigpond.com.au or to the above postal address. The area is an important part of our culture and valued by our family.

Yours sincerely

Tony Williams

Mobile: 0490 126 040

Email: aas.info@bigpond.com

Director of Aboriginal Archaeology Service INC.

ABN 68724840084

Aboriginal Archaeology Service INC: 1400988 P O Box 6283 Rouse Hill NSW 2155 Mobile: 0490 126 040 Email: aas.info@bigpond.com



11<sup>th</sup> May 2016

## Re: Sydney Metro City and South West.

AAS immediate family has lived in the area from 1897 and retains local and oral history on behalf of its first nation people. A.A.S is registered in the Federal Court of Australia as a Traditional Owner of the Sydney Basin and has proven to the Federal Court its Aboriginal Connections to the area prior to settlement. This entitles A.A.S on behalf of the 'Williams' family to claim Native Title.

A.A.S has been working over the years with many archeological companies within the Cumberland Plains. A.A.S has extensive knowledge of the excavation process including identification of artifacts including Silcrete Cores, Bondi points and the like.

A.A.S regularly consults with State Government on Aboriginal Issues that affects the community.

A.A.S has various University qualifications. All A.A.S Staff have a Work cover induction card and are qualified in Senior First Aid.

A.A.S has lived within the site area and has extensive knowledge on changes that have occurred to the inhabitants of the area, past and present.

A.A.S can provide references from Ray Williams MP and David Elliott – Minster for Corrections Emergency Services and Veteran Affairs. A.A.S can also provide a reference from the Office of Environment and Heritage.

We have no objection to our information being provided to the Office of Environment and Heritage and the Local Aboriginal Land Council.

AAS is able to assist with input that can be incorporated into a written assessment of cultural values of the area. We are also able to provide fit staff to assist with work that may involve physical labour. We can provide our schedule of rates and copies of relevant certificates of currency for business insurances on request.

All correspondence should be emailed to <u>AAS.info@bigpond.com</u> or to the above postal address. The area is an important part of our culture and valued by our family.

Yours truly

Andrew Williams

Jeden alles

Director of A.A.S

## **Claire Rayner**

From: Sent: To: Subject: Sandra Wallace Tuesday, 17 May 2016 3:50 PM Claire Rayner FW: Sydney Metro City and Southwest Rail

Dr Sandra Wallace Managing Director

ARTEFACT

Telephone: 61 2 8570 1203 Mobile: 0403565086 Address: Level 4, Building B, 35 Saunders Street, Pyrmont NSW 2009 Web: www.artefact.net.au

Cultural Heritage Management | Archaeology | Heritage Interpretation

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-----Original Message-----From: Kayla Cummins [mailto:kayla\_87\_@hotmail.com] Sent: Tuesday, 17 May 2016 3:36 PM To: Sandra Wallace <Sandra.Wallace@artefact.net.au> Subject: Sydney Metro City and Southwest Rail

Hi Sandra

Woronora Plateau Gundangarra Elders Council would like to register for the project Sydney Metro City and Southwest Rail extension.

Please forward any correspondence to the below address.

Woronora Plateau Gundangarra Elders Council Att: Kayla Williamson 11 Garnett Grove Flinders NSW 2529

Phone: 0414438744

Email: kayla\_87\_@hotmail.com

Kind Regards Kayla Williamson

## **Claire Rayner**

From:Sandra WallaceSent:Friday, 27 May 2016 2:22 PMTo:Claire RaynerSubject:Fwd: Expressions of Interest - Sydney Metro City Northwest & SouthwestAttachments:Expressions of Interest letter ARTEFACT (Sydney Metro Northwest & Southwest).docx; ATT00001.htm

Sent from my iPhone

Begin forwarded message:

From: Darug Land Observations <<u>daruglandobservations@gmail.com</u>> Date: 27 May 2016 2:19:54 pm AEST To: <u>sandra.wallace@artefact.net.au</u> Subject: Expressions of Interest - Sydney Metro City Northwest & Southwest

Hi Sandra,

Please see attached Expressions of Interest letter for the proposed construction of Sydney Metro Northwest & Southwest.

Look forward to working with you on this project.

Kind Regards,

Anna Darug Land Observations Pty Ltd



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

#### EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM PO BOX 571 PLUMPTON NSW 2761 MOBILE: 0420 591 138 / 0413 687 279

27<sup>th</sup> May 2016

TfNS Dr Sandra allace ARTE A T HERITA E Level 4, Building B, 5 Saunders Street P RMONT NS 2009

#### Notification and e istration of bori ina Interests

#### RE: Proposed onstruction of Sydney Metro Northwest & Southwest

Aboriginal Archaeological & ultural Heritage Assessment

Dear Sandra,

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

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

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

Please also be advised that this Aboriginal organisation does not do volunteer work or attend unpaid meetings. I hope that you advise your client of this so that, 'This roup', will not be discriminated against and refused paid fieldwork. DLO's rate is 440 hdf day less than 4 hours and 0 per day flat rate , including ST.

All correspondence should be emailed to: <u>daruglandobservations@gmail.com</u> and any further consultation during this project can be directed to Anna or amie orkman.

ours sincerely,

Janie Wotzuan

amie orkman Darug Land Observations Pty Ltd

htt

ncle ordon orkman Darug Elder

## **Claire Rayner**

From: Sent: To: Subject: Sandra Wallace Monday, 30 May 2016 4:46 PM Claire Rayner FW: Northwest and southwest railway link

#### Dr Sandra Wallace

**Managing Director** 

#### ARTEFACT

Telephone: 61 2 8570 1203 Mobile: 0403565086 Address: Level 4, Building B, 35 Saunders Street, Pyrmont NSW 2009 Web: www.artefact.net.au

Cultural Heritage Management | Archaeology | Heritage Interpretation

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From: Chris Payne [mailto:chrispayne776@gmail.com]
Sent: Monday, 30 May 2016 4:45 PM
To: Sandra Wallace <Sandra.Wallace@artefact.net.au>
Subject: Northwest and southwest railway link

To Sandra allace... im sending this email on behalf peter foster and Dave bell to express their interest in the project or community consultion and if Dave bell or peter foster can t attend a community consultion if u have any... i chris payne can do so in their place.. if you have any uestions please feel free to contact me on 04669754 7... with kind regards jpayne gundgangurra Tribal technical services

If you are not the intended recipient you must not disseminate, copy or take any action in reliance upon it. If you received this in error, please notify us immediately.

From: Gorman, Chris [mailto:Chris.Gorman@transport.nsw.gov.au]
Sent: Tuesday, 14 June 2016 9:41 AM
To: Sandra Wallace <<u>Sandra.Wallace@artefact.net.au</u>>
Subject: FW: Aboriginal Cultural Heritage Assessment

#### Hi Sandra - fyi

From: Doran, Mark Sent: Tuesday, 14 June 2016 9:04 AM To: Gorman, Chris Subject: FW: Aboriginal Cultural Heritage Assessment

Hi Chris

I received this response below to one of the Aboriginal Cultural Heritage Assessment emails.

Do you need me to make any response to this?

**Kind Regards** 

Mark Doran

From: Darren J Duncan [mailto:darrenjohnduncan@gmail.com] Sent: Monday, 13 June 2016 4:39 PM To: Doran, Mark Subject: Re: Aboriginal Cultural Heritage Assessment

Hi Mark

Please accept my expression of interest for the above site.

I'm a Gadigal man and also a Deerubbin member, have been working with both councils over the last 20 years or so assisting on significant archaeological digs around the Sydney area such as stage 1 Rouse Hill (1998-2004), Parramatta with Casey and Lowe. Also Tempe House with Metro Land Council.

I have attached my certificate of currency.

Looking forward to working with you.

Kind regards,

# Darren . Duncan

Mobile <u>0410 10</u> 9

------ riginal message -----rom Doran, Mark <u>Mark.Doran transport.nsw.gov.au</u> Date 0 0 201 2 pm (GMT 10 00) To <u>darren ohnduncan gmail.com</u> Cc <u>sandra.wallace artefact.net.au</u> Sub ect Aboriginal Cultural Heritage Assessment

Dear Mr. Darren Duncan

Please see attached a letter regarding the Aboriginal Cultural Heritage Assessment for the Sydney Metro City & Southwest project.

Your organisation has been identified as possibly having an interest in the project area.

Please submit your expression of interest in writing before 9 June 2016 to:

TfNSW c/o Dr Sandra Wallace

Director

Artefact Heritage

Level 4, Building B

35 Saunders Street

Pyrmont NSW 2009

For further information, please contact Sandra by email sandra.wallace@artefact.net.au

Kind Regards

Mark Doran Project Support Officer

Sydney Metro

City & Southwest Transport for NSW T 02 8265 8837 | M 0473073821 South Building, Level 1, 22 Giffnock Avenue, Macquarie Park NSW 2113

PO Box 588, North Ryde BC, NSW 1670



Use public transport... plan your trip at transportnsw.info

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# Re: Sydney Metro City & Southwest – Chatswood to Sydenham: Project information and methodology for Aboriginal Cultural Heritage Assessment (ACHAR)

Thank you for registering as a stakeholder for the Sydney Metro City & Southwest project. This letter provides a brief overview of the project, the Aboriginal heritage assessment completed to date and a methodology for the Aboriginal Cultural Heritage Assessment Report (ACHAR). Further information on the project, the Environmental Impact Statement (EIS), and Aboriginal Heritage Assessment can be found on the Department of Planning website:

http://majorprojects.planning.nsw.gov.au/index.pl?action=view\_job&job\_id=7400

# **Project Description**

Sydney Metro is a new standalone rail network identified in Sydney's Rail Future. The Sydney Metro network consists of Sydney Metro City & Southwest and Sydney Metro Northwest.

The proposed Sydney Metro City & Southwest comprises two core components:

- The Chatswood to Sydenham project (the project), the subject of this technical paper, would involve construction and operation of an underground rail line between Chatswood and Sydenham
- The Sydenham to Bankstown upgrade would involve the conversion of the 13.5 kilometre Bankstown line to metro standards and upgrade of existing stations between Sydenham and Bankstown.

Both components are subject to assessment by the Department of Planning and Environment and approval by the Minister for Planning under Part 5.1 of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act). The Sydenham to Bankstown upgrade will be subject to a separate environmental impact assessment.

The Sydney Metro Chatswood to Sydenham project (the project) involves the construction and operation of a metro rail line. The project would be mainly located underground in twin tunnels extending from Chatswood on Sydney's north shore, crossing under Sydney Harbour, and continue to Sydenham.

The key components of the project would include:

- Realignment of T1 North Shore Line surface track within the existing rail corridor between Chatswood Station and Brand Street, Artarmon, including a new bridge for a section of the 'down' (northbound) track to pass over the proposed northern dive structure
- About 250 metres of aboveground metro tracks between Chatswood Station and the Chatswood dive structure

- A dive structure (about 400 metres long) and tunnel portal south of Chatswood Station and north of Mowbray Road, Chatswood (the Chatswood dive structure)
- About 15.5 kilometres of twin rail tunnels (that is, two tunnels located side-by-side) between Mowbray Road, Chatswood and Bedwin Road, Marrickville. The tunnel corridor would extend about 30 metres either side of each tunnel centre line and around all stations
- A substation (for traction power supply) in Artarmon, next to the Gore Hill Freeway, between the proposed Crows Nest Station and the Chatswood tunnel portal
- Metro stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street and Waterloo; and new underground platforms at Central Station
- A dive structure (about 400 metres long) and tunnel portal between Sydenham Station and Bedwin Road, Marrickville (the Marrickville dive structure)
- A services facility beside the Marrickville dive structure and tunnel portal, including a tunnel water treatment plant and a substation (for traction power supply).

An overview of the project is provided as Figure 1. Further detail regarding operational arrangements for the project is provided in Chapter 6 and Chapter 7 of the EIS.

# Construction of the Project

The proposed construction activities for the project broadly include:

- Demolishing buildings and structures at the station sites and other construction sites
- Constructing tunnels, dive structures and tunnel portals
- Excavating, constructing and fitting out metro stations
- Fitting out tunnel rail systems and testing and commissioning of stations, tunnels, ancillary infrastructure, rail systems and trains
- Excavating shafts, carrying out structural work and fitting out ancillary infrastructure at Artarmon
- Carrying out structural work and fitting out ancillary infrastructure at Marrickville.

A number of construction sites would be required to construct the project. These include locations for tunnel equipment and tunnel boring machine (TBM) support at Chatswood, Barangaroo and Marrickville as well as at station sites; a casting yard and segment storage facility at Marrickville and a temporary tunnel boring machine (TBM) retrieval site at Blues Point.

# Aboriginal Heritage Assessment

A summary of the work sites and the assessment of archaeological potential of each site is listed in Table 1.

The Aboriginal heritage assessment prepared for the EIS identified that there are no registered AHIMS sites located within the project area. The assessment did not identify any previously unrecorded Aboriginal sites located within the project area. The assessment did identify areas of

moderate and moderate to high archaeological potential within portions of the project area associated with deep quaternary sand deposits.

Location	Archaeological potential
Chatswood dive site (northern)	Low
Artarmon substation	Low
Crows Nest Station	Low
Victoria Cross Station	Low
Blues Point temporary site	Moderate
Barangaroo Station	Moderate to high
Martin Place Station	Moderate to high
Pitt Street Station	Moderate to high
Central Station	Moderate to high
Waterloo Station	Moderate to high
Marrickville dive site	Moderate to high
Sydney Harbour Tunnel Section	Moderate to high

 Table 1: Overview of archaeological potential at each work site

# ACHAR Methodology

Based on the Aboriginal heritage assessment conducted for the EIS Artefact Heritage has been engaged to prepare an ACHAR in accordance with the *Guide for investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (Office of Environment and Heritage [OEH] 2010).

The ACHAR will provide a description of the environmental background, proposed works and impact assessment. The ACHAR will also outline details of Aboriginal stakeholder consultation for the project, which is being conducted in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (OEH, 2010).

To prepare the ACHAR, Artefact Heritage is seeking information on the cultural value to Aboriginal people, or places of cultural value, related to the subject area. Aboriginal stakeholders should advise Artefact Heritage of specific protocols and restrictions related to the knowledge provided concerning the cultural values of the subject area. If you would like to provide written comments or discuss the proposed works, please contact:

Transport for New South Wales c/o Dr Sandra Wallace Artefact Heritage Building B, Level 4, 35 Saunders Street Pyrmont NSW 2009 Or email <u>Sandra.wallace@artefact.net.au</u>

If you would like to comment on the proposed methodology for the preparation of the ACHAR, or provide relevant cultural knowledge, could you please contact me by **COB on 8 July 2016**.

Following the preparation of a draft version of the ACHAR, a copy will be forwarded to your organisation for review and comment. Following a review period and finalisation of the ACHAR, it will be forwarded to OEH.

An Aboriginal Focus Group (AFG) is planned for the beginning of July. Invitations to attend the AFG will be sent out once this date is confirmed.

Kind Regards,

allace

Sandra Wallace Director Artefact Heritage Sandra.wallace@artefact.net.au

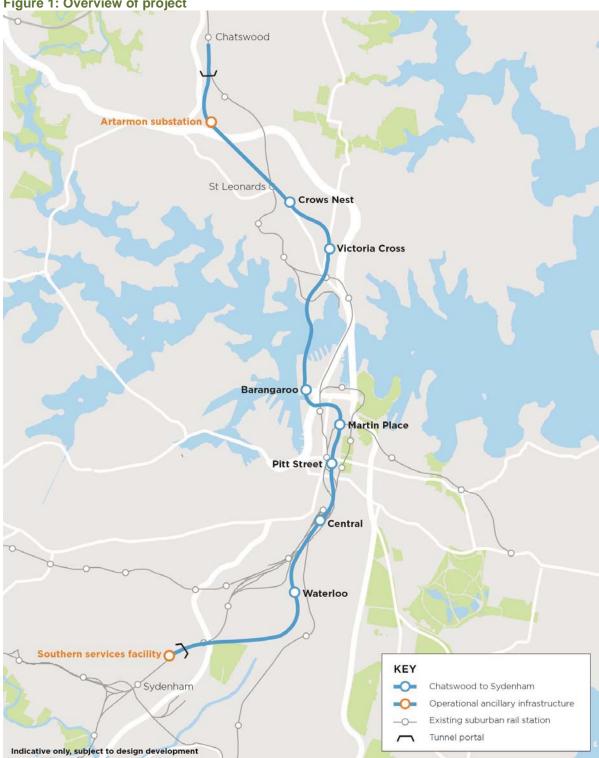


Figure 1: Overview of project

Comments on Assessment Methodology



#### EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM PO BOX 571 PLUMPTON NSW 2761 MOBILE: 0420 591 138 / 0413 687 279

 $20^{th}$  une 201

Transport for ew South ales C - Sandra allace Artefact Heritage Level 4, uilding , Sunders Street P RM T S 2009

Dear Sandra,

### RE: SYDNEY METRO CITY & SOUTHWEST – CHATSWOOD TO SYDENHAM

Pro ect Information and Methodology for Aboriginal Cultural Heritage Assessment Report (ACHAR)

Darug Land bservations Pty Ltd has reviewed the pro ect information and proposed methodology for Aboriginal Cultural Heritage Assessment, and supports the methodology for the proposed construction and operation of an underground rail line between Chatswood and Sydenham.

In relation to the long-term storage of recovered artefacts, if any, Darug Land bservations Pty Ltd strongly believes that recovered artefacts should be re-buried on Country (the study area).

Darug Land bservations Pty Ltd would like to receive a copy of the Section 90 Aboriginal Heritage Impact Permit (AHIP).

urthermore, Darug Land bservations Pty Ltd would be involved in the monitoring of the topsoil removal and all other form of works to be carried out on the site.

ours sincerely,

Janie Wotzuan

amie orkman Darug Land bservations Pty Ltd

ncle Gordon orkman Darug lder

Pollowan Phillip Khan 78 Forbes Street Emu Plains NSW 2750 19/06/ 2016 mobile: 0434545982



Sandra Wallace Artefact Level 4, Building B 35 Saunders St Pyrmont NSW 2009

Dear Sandra.

Thank for sending me the Methodology for the Aboriginal Cultural Heritage Assessment on the project df Sydney Metro City & Southwest – Chatswood to Sydenham.

IHave read your report and am happy with it I recommend further investigation in the form of (ACHA) Assessment and test excavation. As the Old People said once its gone its gone for good. Looking foreword to be working with you and your TEAM, Regards Philip Khan . As Senior Aboriginal person who has for the past forty of so years (40) actively participated in the Protection Aboriginal Cultural Heritage throughout the Sydney Basin , and particularly throughout Western Sydney, I, on behalf of the Kamilaroi Yankuntjatjara Working Group, wish to provide to you my organisations' registration of interest.

#### Information in my registration of Interest:

- 1. I am a Senior Aboriginal and Principal of the Kamilaroi -Yankuntjatjara Working Group, and all Aboriginal entity (ABN33979702507).
- I prefer communicating by, Mail, Telephone, and; and I am, the Principal, person to contact, and; My contact details are:

Phillip Khan 78 Forbes Street, Emu Plains NSW 2750 Mobile 043 4545 982

- 3. I wish to be involved and participate in all levels of consultation/project involvement. I wish to attend all meetings, and, participate in available field work; and would receive a copy of the report.
- 4. I attach to this letter a copy of Kamiloroi- Yankuntjatjara Working Group's; GIO Public Liability Insurance; GIO Workers Compensation Certificate.

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

Yours Sincerely. Pollowan Phillip Khan

## **Claire Rayner**

From:	Sandra Wallace
Sent:	Tuesday, 28 June 2016 12:16 PM
То:	Claire Rayner
Subject:	FW: Sydney Metro - Chatswood to Sydenham Aboriginal Heritage - Archaeological Assessment
Attachments:	Sydney Metro - Chatswood to Sydenham Aboriginal Heritage - Archaeological Assessment 001.jpg

#### Dr Sandra Wallace Managing Director

#### ARTEFACT

Telephone: 61 2 8570 1203 Mobile: 0403565086 Address: Level 4, Building B, 35 Saunders Street, Pyrmont NSW 2009 Web: www.artefact.net.au

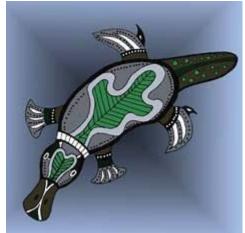
#### Cultural Heritage Management | Archaeology | Heritage Interpretation

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From: Ryan Johnson [mailto:murrabidgeemullangari@yahoo.com.au]
Sent: Tuesday, 28 June 2016 12:14 PM
To: Sandra Wallace <Sandra.Wallace@artefact.net.au>
Subject: Sydney Metro - Chatswood to Sydenham Aboriginal Heritage - Archaeological Assessment

Dear Sandra,

Please find attached letter regarding the above project, I look forward to hearing from you. Kind regards Ryan Johnson | **Murra Bidgee Mullangari** 

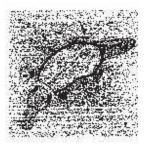


Aboriginal Corporation Cultural Heritage

#### A: PO Box 246, Seven Hills, NSW, 2147 E: <u>murrabidgeemullangari@yahoo.com.au</u> ICN: 8112

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Murra Bidgee Mullangari

Aboriginal Corporation Cultural Heritage ICN: 8112

Date: 28/06/2016

Attention: Sandra Wallace

Artefact Heritage Level 4, Building B, 35 Saunders Street, Pyrmont NSW 2009 Email: sendrs.wallace@ertefact.net.au

Dear Sandra,

#### Re: Sydney Metro - Chatswood to Sydenham Aboriginal Heritage – Archaeological Assessment

Murra Bidgee Mullangari Aboriginal Corporation agrees with the Aboriginal Heritage - Archaeological assessment for the above project as set out by Artefact. Sydney holds a lot history for the Aboriginal people of Australia, Bangaroo in particular was a territory of the Cadigal people of the Eora Nation, the harbour was the main thoroughfare for a lot of Aboriginal people and was known has a highly fertile area for fishing and hunting. In 1789 the smallpox epidemic reduced the Aboriginal population dramatically. Aboriginal history has been handed down by stories, dances, myths and logends. There are various sites located in Lane Cove, Sydney, Willoughby, Ku-ring-gai, Warringah, Manly. Pittwater and City of Ryde that hold an important part of our history. All Aboriginal sites are significant to Aboriginal people as it is our ancestor's history, evidence of our past Aboriginal occupation of Australia.

If you require further details please feel free to contact me either by mobile or email. I look forward to hearing from you.

Kind regards

Ryan Johnson | Site Officer Murra Bidgee Mullangari Aboriginal Corporation Cultural Heritage A: PO Box 246, Seven Hills, NSW, 2147 E: murrabidgeemullangari@vahco.com

## **Claire Rayner**

From:	Darug Land Observations <daruglandobservations@gmail.com></daruglandobservations@gmail.com>
Sent:	Monday, 20 June 2016 11:15 AM
То:	Claire Rayner
Subject:	Re: Sydney Metro - Chatswood to Sydenham ACHAR Methodology
Attachments:	AHIP Comments letter ARTEFACT (Sydney Metro City & Southwest).docx

Hi Claire,

Please see attached letter in reply to the comments in relation to the Sydney Metro City and Southwest - Chatswood to Sydenham.

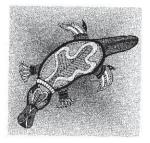
Look forward to working with you on this project.

Kind Regards,

Anna

Darug Land Observations Pty Ltd

Comments on Draft ACHAR



Murra Bidgee Mullangari

Aboriginal Corporation Cultural Heritage ICN: 8112

Date: 19/07/2016

Attention: Sandra Wallace

Artefact Heritage Level 4, Building B 35 Saunders Street, Pyrmont NSW 2009

Email: sandra.wallace@artefact.net.au

Dear Sandra,

Re: Draft Aboriginal Cultural Heritage Assessment report (ACHAR) for the Sydney Metro City & Southwest – Chatswood to Sydenham project

Murra Bidgee Mullangari Aboriginal Corporation have read and agrees with the Draft ACHAR report written by Artefact Heritage for the above project.

If you require further details please feel free to contact me either by mobile or email. I look forward to hearing from you.

Kind regards

ontra

Ryan Johnson | Site Officer Murra Bidgee Mullangari Aboriginal Corporation Cultural Heritage A: PO Box 246, Seven Hills, NSW, 2147 E: murrabidgeemullangari@yahoo.com

## **Claire Rayner**

From: Sent: To: Subject: Attachments: Sandra Wallace Monday, 25 July 2016 7:54 PM Claire Rayner Fwd: SYDNEY METRO CHATSWOOD TO SYDENHAM - draft ACHAR AHIP Comments letter ARTEFACT (Sydney Metro Chatswood to Sydenham).docx; ATT00001.htm

Begin forwarded message:

From: Darug Land Observations <<u>daruglandobservations@gmail.com</u>> Date: 25 July 2016 10:22:39 am AEST To: <u>sandra.wallace@artefact.net.au</u> Subject: SYDNEY METRO CHATSWOOD TO SYDENHAM - draft ACHAR

Hi Sandra,

Please see attached letter in reply to the draft Aboriginal Cultural Heritage Assessment Report for the construction and operation of the Sydney Metro Rail Line from Chatswood to Sydenham.

Look forward to working with you on this project.

Kind Regards,

Anna



#### EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM PO BOX 571 PLUMPTON NSW 2761 MOBILE: 0420 591 138 / 0413 687 279

25<sup>th</sup> July 2016

TfNSW c/o Dr Sandra Wallace Director Artefact Heritage Level 4, Building B, 35 Saunders Street PYRMONT NSW 2009

Dear Sandra,

## **RE: SYDNEY METRO CHATSWOOD TO SYDENHAM**

Aboriginal Cultural Heritage Assessment Report

Darug Land Observations Pty Ltd has reviewed the draft Aboriginal Cultural Heritage Assessment Report, and supports the methodology for the proposed construction and operation of a metro rail line, located underground in twin tunnels extending from Chatswood on Sydney's North Shore, crossing under Sydney Harbour, and continuing to Sydenham.

In relation to the long-term storage of recovered artefacts, if any, Darug Land Observations Pty Ltd strongly believes that recovered artefacts should be re-buried on Country (the study area).

Darug Land Observations Pty Ltd would like to receive a copy of the Section 90 Aboriginal Heritage Impact Permit (AHIP).

Furthermore, Darug Land Observations Pty Ltd would be involved in the monitoring of the topsoil removal and all other form of works to be carried out on the site.

Yours sincerely,

Janie Wotzuan

Jamie Workman Darug Land Observations Pty Ltd

lift

Uncle Gordon Workman Darug Elder

Appendix D: Unexpected Find Procedure

## POTENTIAL HERITAGE ITEM ENCOUNTERED

For any heritage item, including human remains, works will stop immediately in that area. Temporary exclusion fencing to be erected.

Principal Contractor seeks heritage advice to determine significance of the find.

## **HUMAN REMAINS**

Principal Contractor is to notify NSW Police and Sydney Metro.

Works are not to recommence until Police clearance is received.

## **ABORIGINAL OR HISTORIC HERITAGE**

Project Archaeologist/Heritage Consultant is contacted to assess significance and determine management requirements.

## **NOTIFICATION and CONSULTATION**

If genuine heritage item is confirmed the Principal Contractor notifies Sydney Metro Environmental Representative (ER).

Consult with relevant authorities (OEH, Heritage Division, DP&E).

If Aboriginal heritage, consult with Registered Aboriginal Parties.

## ASSESSMENT and MANAGEMENT

Record and assess the heritage find and determine required mitigation measures.

Assess any new impacts for consistency with the findings of the EIS.

Conserve in situ, or if required salvage items in accordance with the CHAR and ARD methodologies, and other relevant guidelines.

# CONSTRUCTION RECOMMENCEMENT

Works are not to recommence until written consent is given by the Project Archaeologist/Heritage Consultant and the ER, and authorities where required.

## **CLOSE-OUT and REPORTING**

Final report to be submitted to Sydney Metro, OEH, Heritage Division and other relevant authorities.



Artefact Heritage ABN 73 144 973 526 Level 4, Building B 35 Saunders Street Pyrmont NSW 2009 Australia +61 2 9518 8411 office@artefact.net.au www.artefact.net.au