

NEWCASTLE EAST END PROJECT STAGES 3 AND 4

FINAL

July 2023

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Prepared by Umwelt (Australia) Pty Limited on behalf of Iris Capital

Project Director: Tim Adams Project Manager: Ryan Desic Report No. 22954/2 Date:

July 2023





This report was prepared using Umwelt's ISO 9001 certified Quality Management System.



Acknowledgement of Country

Umwelt would like to acknowledge the traditional custodians of the country on which we work and pay respect to their cultural heritage, beliefs, and continuing relationship with the land. We pay our respect to the Elders – past, present, and future.

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Document Status

Dev No	Reviewer		Approved for Issue	
Rev No.	Name	Date	Name	Date
1	Ryan Desic	10/5/2023	Tim Adams	10/5/2023
2	Ryan Desic	7/07/2023	Ryan Desic	7/07/2023



Executive Summary

This Aboriginal Cultural Heritage Assessment (ACHA) report has been prepared by Umwelt in consultation with registered Aboriginal parties (RAPs). It has been prepared on behalf of Iris Land Pty Ltd (East End Stage 3 Pty Ltd and East End Stage 4 Pty Ltd) as part of documentation for the Stage 3 and 4 Development Application (DA) of the Newcastle East End Project. This ACHA will inform an application for an Aboriginal Heritage Impact Permit (AHIP).

The East End Project is a multi-stage, mixed use development of four blocks of land in the Newcastle CBD, as well as additional commercial revitalisation and streetscape works. Archaeological investigations for East End Stages 1 and 2 have already been completed and available reporting on these investigations has been used to inform this assessment. RAPs for the project have indicated that they wish Stage 3 and 4 excavations to proceed in accordance with the methodologies prepared for the Stage 1 and 2 ACHA reports. The recommendations in this report are generally consistent with those reports.

The Project Area overlaps with the bounds of a Potential Archaeological Deposit (PAD) with artefacts, 'Newcastle CBD PAD' (AHIMS ID#38-4-1084). To date, archaeological investigations (e.g., Umwelt 2017, 2021 and RPS, 2022) undertaken within the mapped footprint of the site have recovered extensive Aboriginal archaeological assemblages; over 30,000 artefacts in total have already been recovered.

This report is to be used as part of an AHIP application for harm to Aboriginal objects through archaeological investigations and ground disturbance activities associated with the Project. This report details a process of archaeological investigation which takes into consideration the complex development process in the area, the potential deep sand deposits, and the historical archaeological remains that are expected in the Project Area (which make *Code of Practice* test excavations without an AHIP impermissible). This process is detailed in the below table.

Phase of development works	Aboriginal cultural heritage management summary	
Main Works		
Mine Grouting Works	Due to the confined nature of mine grouting works (a borehole) into previous disturbed (mined) voids, as with the approved methodology for Stages 1 and 2 of the East End Project, mines drilling and grouting both internal and external to the site can proceed subject to an Unexpected Finds Procedure.	
Perimeter retention Wall	Due to the confined nature of perimeter retention wall (strip of 800 mm width), as with the approved methodology for Stages 1 and 2 of the East End Project, these works (including dewatering) can proceed subject to the Unexpected Finds Procedure provided in Section 11.7 .	
Demolition Works	Demolition of all extant twentieth century buildings, ground slabs (including removal of inground footings of the buildings) and removal of fill, is to proceed without Aboriginal cultural heritage management until slab and in-ground footing removal (of the extant twentieth century buildings) commences. The in-ground footing removal is the last phase of demolition works and will be monitored by the historical archaeological team (in accordance with any Heritage NSW approval required). If potential historical archaeological remains are identified during the monitoring, historical archaeological investigation would be undertaken in accordance with the appropriate approvals. If Aboriginal cultural material is identified in a disturbed context this material can be collected subject to the Aboriginal General Collection	



Phase of development works	Aboriginal cultural heritage management summary
	protocols (as per Section 11.2.1). Any intact remnant soil profiles are to be avoided by historical archaeological works (providing they do not contain potential historical relics) and development works until Aboriginal archaeological excavation is completed.
Phase 1 of Archaeological Excavation Works following demolition works	Phase 1 archaeological excavation will aim to sample up to 1% of the Project Area where intact soil deposits are detected. It is expected this will involve the excavation of thirty 1 m x 1 m excavation units across the Stage 3 and 4 development areas (blocks). If required, 1 m x 2m excavation units (as opposed to 1 m x 1m excavation units) will be used to help prevent wall collapse within excavation units.
Phase 2 of Archaeological Excavation Works (expansion)	Pending the results of Phase 1 excavations, one to three of the initial excavations units will be subject to expansion (either horizontal expansion, or deep excavation with shoring boxes).
Bulk excavation and development of new buildings on site	Bulk excavation (e.g., excavation for basements), must not proceed until all archaeological excavations in accordance with an AHIP are completed.
Street Works	
Street utility upgrades (including sewer, electrical, telecommunications and water).	These works will be conducted in confined trenches and primarily within existing disturbed subsurface profiles. The residual potential for intact archaeological deposits beneath existing utilities cannot be managed in an archaeologically controlled manner due to confined spacing and WHS considerations. As such, archaeological management of these works are not proposed. Refer to Section 11.4 for further details and discussion.
Streetscape upgrades and Landscaping	Works can proceed provided in the Unexpected Finds Procedure provided in Section 11.7.



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Appendices

- Appendix A Site Plans
- Appendix B Aboriginal Community Consultation Records
- Appendix C AHIMS Search Results

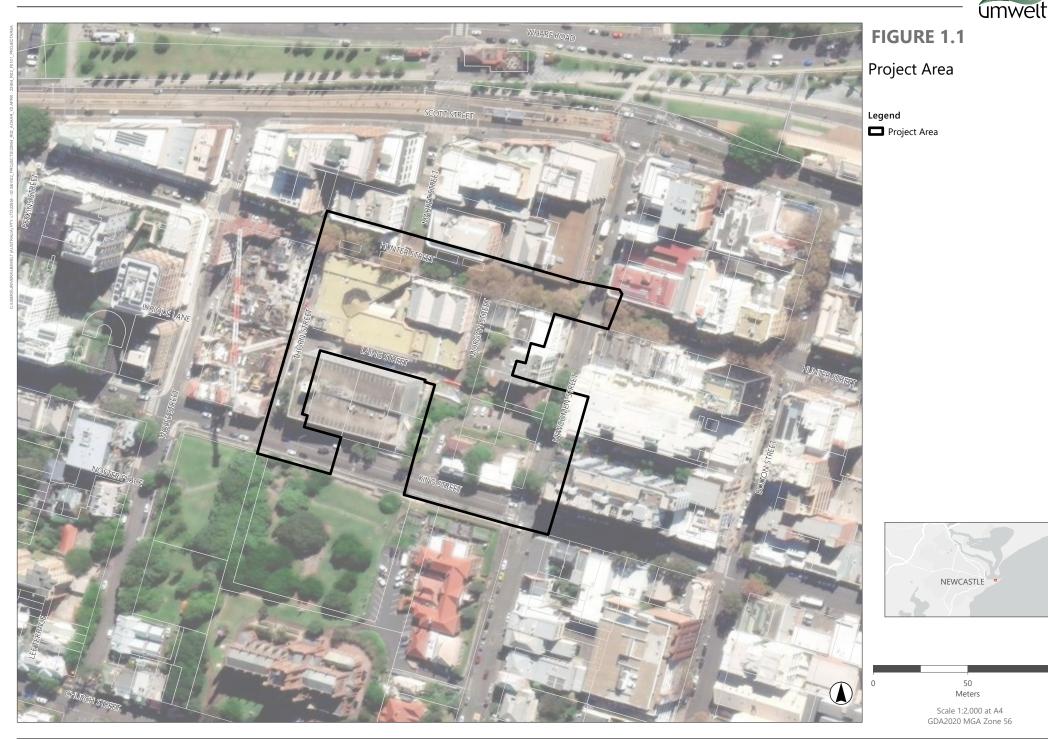


1.0 Introduction

This Aboriginal Cultural Heritage Assessment (ACHA) report has been prepared by Umwelt in consultation with registered Aboriginal parties. It has been prepared on behalf of Iris Land Pty Ltd as part of documentation for the Stage 3 and 4 Development Application (DA) of the Newcastle East End Project. This ACHA will inform an application for an Aboriginal Heritage Impact Permit (AHIP). The Project Area (which is the boundary for the AHIP application) is shown in **Figure 1.1**.

This report was provided to all registered Aboriginal parties for review and comment. The outcomes of all consultation undertaken with registered Aboriginal parties are documented throughout this report and it is emphasised that the registered Aboriginal parties have primary responsibility for assessing the cultural significance of the lands for which they are traditional custodians and/or to which they have contemporary connection.

This report has been prepared in accordance with the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011), with all consultation undertaken in accordance the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010a) (the consultation requirements). The archaeological component of this report was prepared in accordance with *The Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010b) (the Code of Practice).



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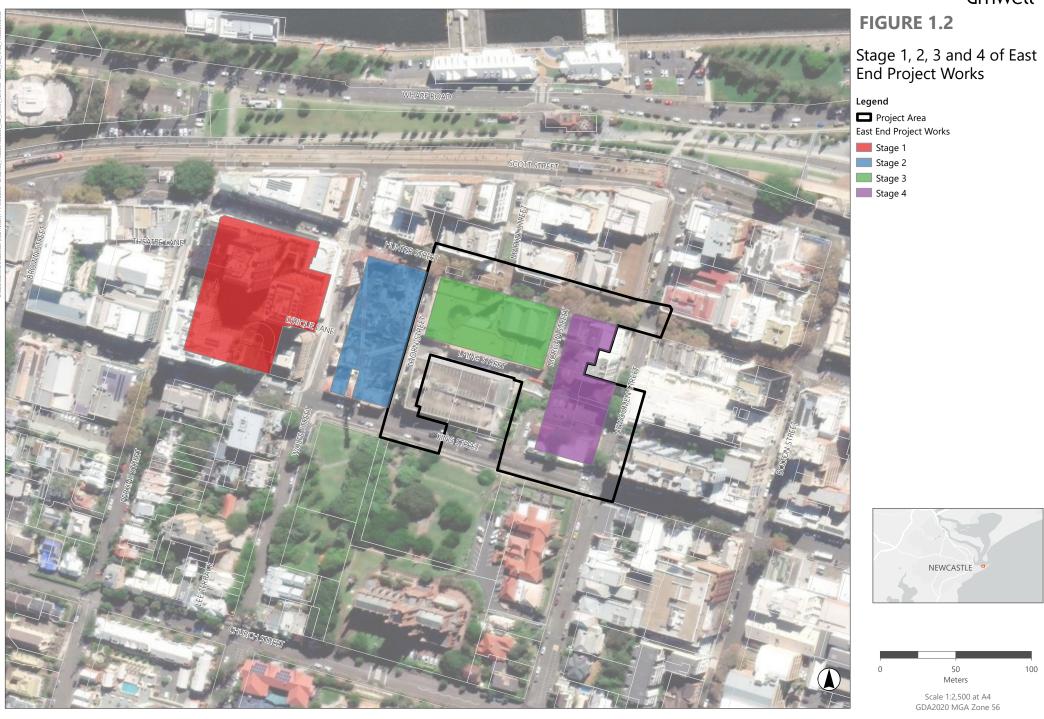


1.1 The Project

1.1.1 Background: The East End Development Project.

The Staging of the Newcastle East End Development is based on the different blocks being developed (Stage 1 being Block 1, etc) as shown in **Figure 1.1.** Block 3 is bounded to the north by Hunter Street, to the east by Morgan Street, to the south by Laing Street and to the west by Thorn Street. The block is rectangular in shape, and currently consists of two buildings that are partially interconnected internally and were developed in the 19th Century. Block 4 is rectangular in shape and divided into 8 separate allotments, 6 of which are being developed.

Aboriginal archaeological excavations from Stage 1 and Stage 2 have been completed. Final reporting from Stage 1, and preliminary reporting from Stage 2 has been used to inform the current assessment. These reports are summarised in **Section 5.2.1**.





Meters Scale 1:2,500 at A4 GDA2020 MGA Zone 56

50

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1.1.2 Stage 3 and 4 Project Description

The development will involve the demolition of existing buildings (noting some street facades will be retained), bulk excavation, and development of new buildings onsite. As seen with **Figure 1.3** and **Figure 1.4**, the works involve subsurface disturbance. Block 3 and 4 includes a three-level basement exceeding 4 m below current ground surface (**Appendix A**). Supporting works will include street utility upgrades (including sewer, electrical, telecommunications and water) and mine grouting of historical mine voids / borehole seams (around 80 m below surface).

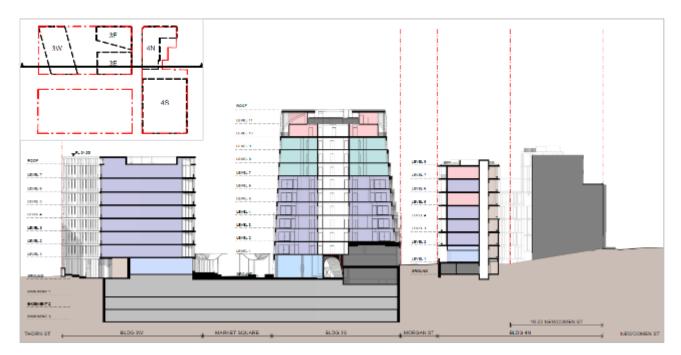


Figure 1.3 Section across Project Area (East to West)

Source: SJB Architects/ Iris



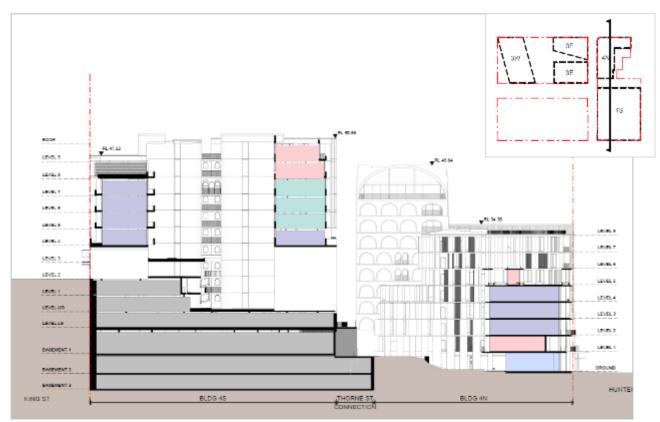


Figure 1.4 Section Across Project Area (North to South).

Source: SJB Architects/ Iris

1.2 Previous AHIPs

There are currently two (2) AHIPS within the vicinity of the Project Area, comprising:

- C0003431 issued to Iris Capital in March 2018 for the property bound by 159-161, 185 and 755
 Hunter Street, 114 King Street (between Perkins and Wolfe Streets). The AHIP was issued for Stage 1 of
 the East End Village project, located adjacent to the current Project Area and permitted archaeological
 test excavations, salvage excavations and Aboriginal community collection associated with Aboriginal
 site 'Newcastle CBD PAD' (AHIMS ID #38-4-1084). This AHIP does not overlap with the current Project.
- C0005464 issued to Iris Capital in January 2020 for the property bound by 147-153 Hunter Street, 15,21,31 and 33 Wolfe Street, 14 Thorn Street, 98-104 and 108- 110 King Street (comprising Lot A DP89504; Lot 1 84577; Lot 10 DP1043870; Lot 500 DP879162; Lot 1 DP718456; Lot 1 DP84634; Lot 100 DP810457; Lot 1 DP735255; Lot 1 DP195975; Lot B DP 89504; Lot 1 DP122380; Lot 1 DP122381, excluding full Lot situated at 106 King Street, Newcastle). The AHIP was issued for Stage 2 (part) of the East End Village project and partially intersects with the current Stage 2 East End Streetscape project within Wolfe Street. The AHIP authorised Aboriginal community collection and salvage excavation/s including harm to Aboriginal site 'Newcastle CBD PAD' (AHIMS ID #38-4-1084). IRIS Capital subsequently applied for a variation of the AHIP to permit a change of temporary storage location for recovered Aboriginal objects associated with the Aboriginal community collection and salvage excavation/s undertaken by RPS in 2022. A notice of variation was subsequently issued by Heritage NSW on the 28 July 2021.



1.3 Objectives and Assessment Requirements

1.3.1 Objectives

The key objectives of this ACHA report are to:

- describe the applicable regulatory framework relevant the Project
- identify Aboriginal cultural heritage values relevant to the study area which include:
 - Aboriginal objects and sites
 - Aboriginal socio-cultural or historic values which might not be related to Aboriginal objects, and
 - o areas of archaeological sensitivity.
- describe and characterise the existing environment relevant to the Project
- assess the significance of Aboriginal objects, sites and places/locations identified during the archaeological investigations and through Aboriginal community consultation
- identify and assess potential impacts of the project construction and operation on identified Aboriginal cultural heritage values, and
- identify appropriate mitigation and management measures for potentially impacted Aboriginal cultural heritage values in response to their assessed significance.

Aboriginal people are the primary determinants of the cultural significance of their heritage. This ACHA is prepared to ensure that the information provided by registered Aboriginal parties is documented and presented in a manner that informs decision making on the management of Aboriginal cultural heritage within the Project Area, whilst ensuring that the required archaeological information is also appropriately documented.

1.3.2 Project Team

This report (including facilitating the recording of Aboriginal cultural input and undertaking of the site inspection) was prepared by Lara Tooby (Senior Heritage Consultant, Umwelt). Tim Adams and Ryan Desic provided technical advice and review.

All participation and input from registered Aboriginal parties is documented in Section 3.0.

1.3.3 Report Structure

Table 1.1 below outlines the structure of this ACHA report.



Table 1.1 Report Structure

Report Section	Section outcomes
Section 1.0	Introduces the Project
Section 2.0	Describes the legislative contexts for the assessment.
Section 3.0	Provides a summary of the Aboriginal community consultation undertaken in accordance with the relevant legislative requirements.
Section 4.0	Summarises the environmental background of the Project Area.
Section 5.0	Summarises the Aboriginal cultural heritage context, the historical background and the archaeological context of the Project Area and the wider region.
Section 6.0	Provides the results of an inspection of the Project Area and on-site meeting undertaken as part of the consultation process.
Section 7.0	Provides an assessment of the Aboriginal cultural and archaeological significance of the Project Area.
Section 8.0	Provides an assessment of actual and potential harm to Aboriginal cultural heritage that may occur as a result of the Project.
Section 9.0	Outlines a series of potential management and mitigation strategies for consideration.
Section 10.0	Provides a summary of Recommendations for the Project
Section 11.0	Provides management methodologies for the Project
Section 12.0	List of references used within the ACHAR.
Appendix A	Project plans
Appendix B	Consultation records
Appendix C	The Aboriginal Heritage Information Management System (AHIMS) search results



2.0 Statutory Context

The following section provides an overview of the legislative frameworks relating to the protection and management of the Aboriginal cultural heritage within the Project Area. The management and conservation of Aboriginal cultural heritage is subject to a range of statutory provisions under the NSW state government legislation. In NSW archaeological remains and heritage items are afforded statutory protection under the following Acts:

- the Environmental Planning and Assessment Act 1979 (the EP&A Act)
- the National Parks and Wildlife Act 1974 (the NPW Act) and
- the Heritage Act 1977 (NSW) (the Heritage Act).

2.1 Environmental Planning and Assessment Act 1979

The EP&A Act is the main system of land use planning and development regulation legislation in NSW. The EP&A Act requires that consideration be given to the environmental impact during the planning process including the potential impact on Aboriginal cultural heritage. As such, the EP&A Act provides protection for Aboriginal objects or places. This is done through the control and the development of Environmental Planning Instruments (EPIs). EPIs cover either Local Government Areas (LGAs), in the form of Local Environment Plans (LEPs) or areas of State and/or regional environmental planning significance, in the form of State Environmental Planning Policies (SEPPs).

The proposed works are covered by the Newcastle LGA LEP 2012. The LEP provides protection of Aboriginal cultural heritage through the requirement of development consent for the:

(2) (a) demolishing or moving any of the following or altering the exterior of any of the following (including, in the case of a building, making changes to its detail, fabric, finish or appearance):

•••

(ii) an Aboriginal object,

•••

(c) disturbing or excavating an archaeological site while knowing, or having reasonable cause to suspect, that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed,

(d) disturbing or excavating an Aboriginal place of heritage significance,

(e) erecting a building on land:

•••

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



(f) subdividing land:

•••

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

Prior to granting development consent where works will be undertaken within an Aboriginal place of significance, the authority must:

(8) (a) consider the effect of the proposed development on the heritage significance of the place and any Aboriginal object known or reasonably likely to be located at the place by means of an adequate investigation and assessment (which may involve consideration of a heritage impact statement), and

(b) notify the local Aboriginal communities, in writing or in such other manner as may be appropriate, about the application and take into consideration any response received within 28 days after the notice is sent.

This ACHA report has been undertaken in consideration with the Newcastle LGA LEP conditions.

2.2 National Parks and Wildlife Act 1974

Heritage NSW is primarily responsible for regulating the management of Aboriginal cultural heritage in New South Wales under the *National Parks and Wildlife Act 1974* (the NPW Act). The NPW Act is accompanied by the *National Parks and Wildlife Regulation 2019* (the Regulation) and a range of codes and guides including the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (OEH 2011), the consultation requirements and the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010b).

The NPW Act defines an Aboriginal object as:

..any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales.

Under Section 84 of the NPW Act, an Aboriginal Place must be declared by the Minister as a place that, in the opinion of the Minister, is or was of special significance with respect to Aboriginal culture. Section 86(4) of the NPW Act states that a person must not harm or desecrate an Aboriginal place.

In accordance with Section 86(1) of the NPW Act, it is an offence to harm or desecrate a known Aboriginal object, whilst it is also an offence to harm an Aboriginal object under Section 86(2). Harm to an object or place is defined as any act or omission that:

- a. destroys, defaces or damages an object or place, or
- b. in relation to an object moves the object from the land on which it had been situated, or
- c. is specified by the regulations, or



d. causes or permits the object or place to be harmed in a manner referred to in paragraph (a), (b) or (c),

but does not include any act or omission that:

- e. desecrates the object or place (noting that desecration constitutes a separate offence to harm), or
- f. is trivial or negligible, or
- g. is excluded from this definition by the regulations.

Section 87(1) of the NPW Act specifies that it is a defence to prosecution under Section 86(1) and Section 86(2) if the harm or desecration of an Aboriginal object was authorised by an Aboriginal Heritage Impact Permit (AHIP) and the activities were carried out in accordance with that AHIP.

2.3 Heritage Act 1977

The *Heritage Act 1977* provides protection for environmental heritage within NSW. The Act provides protection of historic places, structures, relics, moveable objects and landscapes of significance. The Act also affords protection to Aboriginal places of State heritage significance included on the State Heritage Register (SHR) or subject to an Interim Heritage Order.

3.0 Aboriginal Community Consultation

3.1 Overview

Consultation with Aboriginal parties is an integral part of identifying and assessing the significance of Aboriginal objects and/or places and determining and carrying out appropriate strategies to mitigate impacts upon Aboriginal heritage.

Aboriginal consultation for this project has been undertaken in accordance with procedures set out in the Consultation Requirements (DECCW, 2010a). These guidelines identify a four-stage process which involves notification and registration of Aboriginal parties, presentation of project and assessment information, gathering information about cultural significance, and provision of a draft ACHA for Aboriginal party review.

A summary of the consultation process and its outcomes are provided in the sections below, and full documentation of the consultation process is provided in **Appendix B**.

3.2 Stage 1 — Notification and Registration of Aboriginal Parties

3.2.1 Agency Contact

Umwelt issued a letter to government agencies on 2 March 2023 requesting advice on which Aboriginal parties to invite for consultation. The agencies contacted are listed below:

- Heritage NSW
- City of Newcastle
- Awabakal Local Aboriginal Land Council
- Native Title Tribunal
- Office of the Registrar
- NTSCORP
- Hunter Local Land Services.

3.2.2 Newspaper Advertisement

A notification was placed in a local newspaper detailing the Project name, proponent, location, description and a request for Aboriginal knowledge holders to register interest in the project. The advertisement was published 10 March 2023, allowing a 14-day registration period. A copy of the advertisement is included in the consultation documentation provided in **Appendix B**.



3.2.3 Aboriginal Group Invitation to Register

The Aboriginal parties identified by the government agencies were invited to register their interest in the project on 13 March 2023 via letter and email (where provided). Aboriginal parties were given 14 days to respond to the invitation.

3.2.4 Registered Aboriginal Parties

A total of 20 Aboriginal parties registered their interest in being consulted for the project as listed below:

- 1. Awabakal and Guringai
- 2. Awabakal Traditional Owners Aboriginal Corporation
- 3. Miromaa Aboriginal Language and Technology Centre
- 4. Didge Ngunawal Clan
- 5. Nukara Cultural Services
- 6. Jarban & Mugrebea
- 7. Kevin Duncan
- 8. Trudy Smith
- 9. Worimi Traditional Owners Indigenous Corporation
- 10. Kawul Pty Ltd trading as Wonn1 Sites
- 11. AT Gomilaroi Cultural Consultancy
- 12. Kamilaroi Yankuntjatjara Working Group
- 13. Awabakal Descendants Traditional Owners
- 14. Murra Bidgee Mullangari Aboriginal Corporation
- 15. Lower Hunter Aboriginal Incorporated
- 16. A1 Indigenous Services
- 17. Norman Archibald
- 18. Yinarr Cultural Services
- 19. Corroboree Aboriginal Corporation (Name not to be released to LALC)
- 20. Awabakal Local Aboriginal Land Council.



3.3 Stages 2 and 3 – Presentation of Information and Gathering Cultural Information

3.3.1 Presentation of project information and assessment methods

On 28 March 2023, Umwelt issued a letter to all RAPs registered within the timeframe. The letter included an overview of the project, the proposed assessment methods, and the consultation process, as well as the results of a preliminary desktop assessment and details about gathering cultural information. In addition, all RAPS were invited to attend an onsite site meeting and walkover at the Project Area on 5 April 2023.

AT Gomilaroi Cultural Consultancy); and Paul and Lily Carroll from DNC Consultancy provided full endorsement for the project methodology. Other RAPs indicated they would be present on the site meeting and walkover.

3.3.1.1 Onsite Meeting and Walkover

The on-site consultation meeting was attended by Tori Leven (Awabakal and Guringai), Peter Leven (Awabakal Descendants Traditional Owners), Kyle Howie (Awabakal Traditional Owners Corporation), Les Atkinson (Jarban & Mugrebea) and Suzie Worth (Kawul Pty Ltd trading as Wonn1 Sites). The results of extensive archaeological investigations from stage 1 and 2 were taken as confirmation of the significance of the area, with this significance interpreted as extending into the current Project Area. As such, it was determined that the Project Area is likely to contain physical remains of the cultural significance of the area. They all wished to match the approach of sampling an exception from the previous two stages of excavations, to retain a consistent sample.

All four Aboriginal party representatives who provided preliminary comment identified that an area wide application for an Aboriginal Heritage Impact Permit (AHIP) was the preferred option for the proposed redevelopment works. It was further noted monitoring of the removal of the sub-surface structures and footings should be undertaken as part of the AHIP process.

3.4 Stage 4 – Outcomes of Consultation Regarding the draft ACHAR

The draft report was sent to RAPs on 12 May 2023, and 28 days provided for comment (as per **Appendix B**). Except two acknowledgements of receipt of report from Awabakal and Guringai and Kevin Duncan, the only comments received were of Peter and Tori Leven from ADTOAC; their responses are outlined in **Table 3.1**.

Comment ID	ADTOAC Comment (RAP Comment)	Proponent Response
1	ADTOAC recommended that more Phase 1 test pitting is undertaken than currently proposed, considering that the proposed Stage 3&4 development footprint is larger than Stage 2.	Umwelt acknowledges that the 1% target would not be exactly met with 30 test pits. However, the original intent of this number was to gather a direct comparison of test pits with East End Stage 1 and 2 by using the approximation of 1%, while also determining where
	ADTOAC calculated that 54 1 x 1m pits is more accurate number of pits to be excavated across	Phase 2 excavations should occur.

Table 3.1Comments on draft ACHA report from RAPS, and responses from proponent to these
comments. As per proponent request, Iris comments have been included verbatim.



Co	ADTOAC Comment (RAP Comment)	Proponent Response
Comment ID		
nt ID		
	the Stage 3 and 4 blocks, as opposed to up to 30 1 x 1m pits currently proposed), if the methodology is aiming for up to 1% of Project Area to be excavated as proposed in Section 11.2.2 of the draft ACHA.	As described in Section 11.2, Phase 1 excavations will be used to determine where up to three Phase 2 open areas should be located, if warranted. The combined Phase 1 and Phase 2 sections will then be used to calculate how close we were to reaching the 1% target. Umwelt considers that the proposed 30 test pits would be adequate to determine where Phase 2 excavation should occur.
		Umwelt relayed this response to ADTOAC on 6/7/2023 via phone call. ADTOAC responded that they are okay to commence with Phase 1 with 30 pits (30m2) (as described in Section 11) and suggests that Phase 2 of testing achieves closer to the 1%. Based on this response, Umwelt has not revised the report from its methods presented in the draft ACHA to RAPs.
		Iris notes that no other consulted RAP's have registered any objection to the regime proposed by Umwelt which seems to indicate the vast majority of registered RAP's consider the Umwelt regime appropriate in the circumstances (noting Umwelt regime is consistent with both previous East End Stages 1 and 2).
2	Peter Leven (ADTOAC) pointed out that the skulls identified in 1923 in the Stage 3 area from the construction of the Borough Markets (summarised in Table 4.3 of our report) are the subject of ongoing repatriation discussions between Awabakal custodians and the Australian Museum, which currently hold the remains. Peter provided Umwelt with additional report information about these skeletal remains (Emeritus Professor Richard Wright's reports for several skeleton for the Australian Museum, 2007). He pointed out the ACHA needs to consider the possibility that although the skulls were removed to the Museum, the remainder of the ancestral remains from the head down may still be located onsite. His opinion is that these remains are most likely to be the Stage 3 area and associated street.	 Mine Subsidence Grouting Works Iris asserts no monitoring for mines grouting works as part of cultural heritage management methods is required. Demolition Iris asserts that both Safe Work Australia and NSW Government consider demolition as high risk and dangerous work. Iris asserts that a major demolition site is not an appropriate workplace for any RAP to undertake monitoring (in the form of ongoing community collection) because of the significant risk to health and safety including risk of death and/or permanent disability. Iris refers to the following links from both Safework Australia and NSW Government regarding hazards and risks relating to demolition:
	Peter recommended that we should therefore proceed with utmost caution in anticipation that there could be human remains on site. For this reason, it was recommended that that there be scope for RAP monitoring (in the form of ongoing community collection) for the perimeter works, road/streetworks, and demolition works. Peter	 <u>https://www.safeworkaustralia.gov.au/safety-topic/hazards/demolition</u> <u>https://www.safework.nsw.gov.au/data/assets/pdf_file/0015/52161/Demolition-work-COP.pdf_</u>



Comment ID	ADTOAC Comment (RAP Comment)	Proponent Response
	 emphasised that this work could be done by a single RAP who is trained in Aboriginal cultural heritage identification, with the RAP collecting any artefacts uncovered during works, and to confirm that no ancestral remains are being impacted by works. Umwelt relayed Iris's responses to ADTOAC (Peter and Tori Leven) by phone on 6/7/2023. They wanted to confirm that the following is noted for Heritage NSW consideration in light of the above response: ADTOAC want to ensure there are mechanisms in place to ensure that sand sheet disturbance does not occur prior to archaeological test excavation as it did during Stage 2 of the East End Project, considering the high cultural sensitivity of the area. They understand that a historical archaeologist will be permitted onsite during many of these activities and request that due to the potential for human remains, an Aboriginal site officer also be present during these works as part of ongoing community collection. ADTOAC note that the refusal to allow RAPS onsite for work health and safety concerns contradicts with their experience during Stage 1 and 2 of the East End Project, where they undertook excavation works whilst the site was an active construction site. ADTOAC see this stance as a contradiction and note that because Iris would allow a historical archaeologist to undertake some monitoring, ADTOAC believe that Iris is avoiding having RAP onsite in case they any cultural materials are identified that will delay works, as opposed to genuine health and safety concerns. ADTOAC requests that Iris in this next Stage of works. 	Iris considers that the proposed methods presented in Table 10.1 are appropriate and include an historical archaeologist monitoring of the last phase of demolition works (removal of slab and in-ground footing removal) and where the Principal Contractor determines it is safe to do so, associated community collection protocols if Aboriginal objects are identified. Because of the Health and Safety risks involved (confirmed by both SafeWork Australia and NSW Government), Iris proposes not to adopt RAP monitoring for demolition works as part of cultural heritage management methods, and it is not proposed in Section 11 of this report. Perimeter Basement Retention Wall Works Iris propose that monitoring of perimeter basement retention wall works is not suitable because of the hazardous nature of the construction process, and that i would not permit visible inspection of the original groun surface. The process involves creating large piling rig and equipment platforms comprising ground fill on which to drill/excavate through and mixing in-situ soils with grout slurry (generally cement) in the presence of cementitious/bentonite slurry. Iris proposes that the hazardous nature of the construction process means that it is not appropriate for archaeological monitoring due to work health safety risk. Iris proposes not to adopt RAP monitoring for perimeter basement retention wall works as part of cultural heritage management methods, and it is not proposed in Section 11 of this report. Infrastructure Works (Street Works) Infrastructure works will involve (amongst other), excavation trenches for sewer, water, HV and other utilities, demolition works, traffic control works adjacent active vehicular laneways, shallow excavation for new pavements, pile excavations for lighting and the like. Iris asserts that these activities are considered hazardous by nature of the construction process. Iris asserts that a major infrastructure works (street works) construction site is not an appropriate workplace for any RAP to undertake monin



Co	ADTOAC Comment (RAP Comment)	Proponent Response
Comment ID		
nt ID		
		Iris notes that the existing road reserves are highly disturbed arising from historical installation of utility services, light pole footings and road works
		Iris notes ADTOAC's comments regarding health and safety and perceived contradictions, however Iris confirms that no ongoing community collection was required nor undertaken as part of earlier stages of East End Infrastructure Works.
		Overall, Iris proposes not to adopt RAP monitoring for Street Works as part of cultural heritage management methods, and it is not proposed in Section 11 of this report.
		Iris has demonstrated a track record of working collaboratively with RAP's during both prior East End Stages 1 and 2 and will continue to work collaboratively when it is safe to do so.
		Iris notes that no other consulted RAP's have sought additional monitoring/collection which seems to indicate the vast majority of registered RAP's consider the Umwelt approach appropriate in the circumstances (noting Umwelt regime is consistent with both previous East End Stages 1 and 2).
3	At least some de-watering of site should occur prior to test excavation work occurring to ensure trenches are being excavated to appropriate depths.	Dewatering will occur after the project mines grouting and basement retention wall perimeter works are completed which will effectively 'cut off' ongoing groundwater ingress to the project area. The proposed archaeological excavation will occur after mines grouting, basement retention wall construction and installation and commissioning of groundwater extraction equipment is completed which is expected to facilitate drawdown of ground water levels below archaeological deposit levels.
		Iris notes that no other consulted RAP's have sought amendments to the dewatering approach which seems to indicate the vast majority of registered RAP's consider the Umwelt approach appropriate in the circumstances (noting approach is consistent with both previous East End Stages 1 and 2).
4	Peter and Tori recommended that an additional in-person meeting should be undertaken between Umwelt and RAPs (and potentially the client) to finalise the AHIP methodology considering the above comments. This could be done at the	Iris relies on Umwelt regarding the technical and compliance aspects of the assessment process. Iris notes that no other consulted RAP's have raised any need for meetings.
	Umwelt office. A similar meeting was held for earlier stages of the Project with Umwelt.	Iris has no objection to Umwelt meeting RAP's regarding the technical and compliance aspects of the assessment process and has communicated same to Umwelt.



Comment ID	ADTOAC Comment (RAP Comment)	Proponent Response
		Umwelt contacted ADTOAC on 6/07/23 and provided Iris's responses to their issues. ADTOAC comments on Iris's responses are provided in this table.



4.0 Environmental Context

The decisions that people make regarding such things as where they live, the range of resources they use, and other aspects of daily life may be influenced by the environment in which they live. The preservation and visibility of sites is also affected by environmental factors such as past land-use and disturbance. A review of the environmental context of the Project Area is therefore integral to considerations of site visibility, preservation, and occurrence within the Project Area.

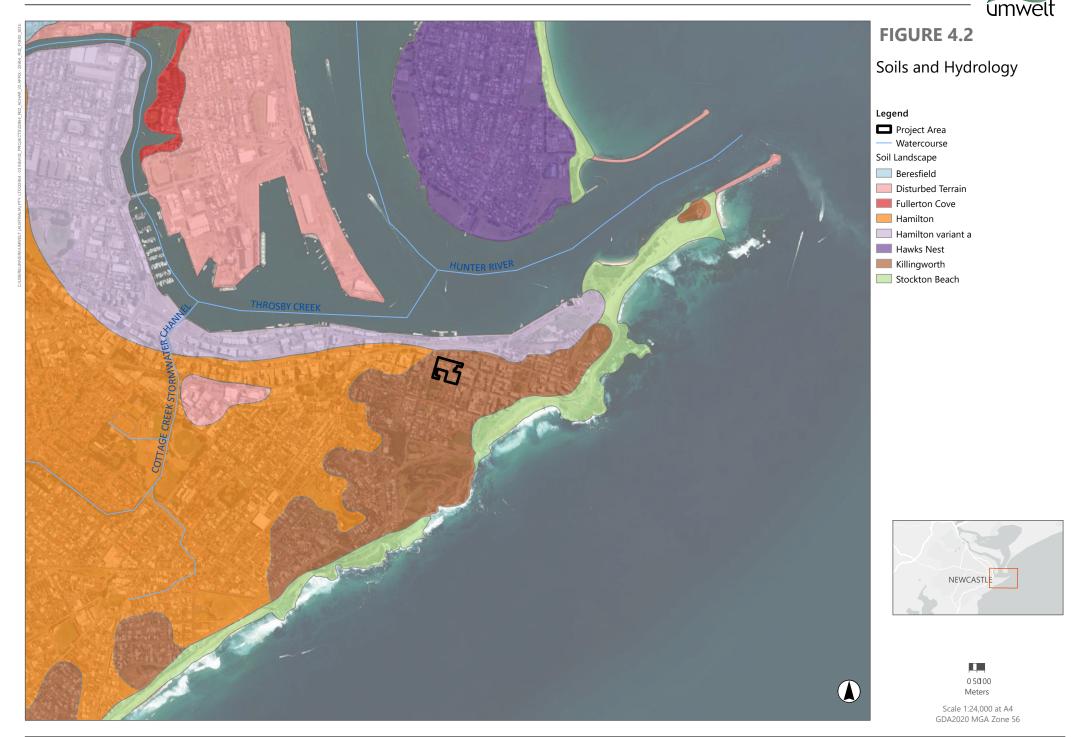
4.1 Geology and Soils

The underlying geology associated with the Project Area is the Lambton Subgroup of the Newcastle Coal Measures (Newcastle Geological Series Sheet SI56-2). The Lambton Subgroup is a Late Permian formation that comprises coal, tuff, siltstone, sandstone, and conglomerate. Within this formation, fine grained raw materials suitable for the manufacture of stone artefacts are present; namely Nobbys Tuff, which occurs in exposed bedrock deposits in the Newcastle environs. Nobbys Head (Aboriginal and dual name: *Whibayganba*) is a prominent exposure of Nobbys Tuff, located approximately 2 km northeast of the current Project Area. The Newcastle 1:25 000 Quaternary Geology Sheet provides higher geological resolution and maps approximately the northern half of the of the Project Area (or most of the Stage 3 block and the northern half of the Stage 4 block) as being on 'modern fill on Quaternary deposits' (**Figure 4.1**). The modern fill layer is noted to be on a Holocene tidal delta flat comprises marine sand, silt, clay, shell and gravel. These Holocene sands have the potential to retain archaeological material which is reiterated in subsequent sections of this report.

The Project Area is located within the 'Killingworth' soil landscape (**Figure 4.2**). Matthei (1995) (2022) describes the soils of the Killingworth soil landscape as brownish black pedal loam (A_1 , 5–25 cm) that overlay a bleached hard setting loamy sand to sandy clay loam (A_2 , 10-150 cm). These topsoils generally overlie a pedal yellowish-brown clay (B horizon) (Matthei 1995). It is unlikely that Aboriginal objects would occur in and beneath the impermeable B horizon soils. However, the Project Area is abutting the Hamilton and Hamilton variant A soil landscapes and therefore likely to also feature some of those soil characteristics. Matthei (1995) (2022) describes the soils of the Hamilton soil landscape as comprising up to 20–60 cm of brownish-black speckled loamy sand (A_1 horizon) overlying 15–30 cm of loose, pale, coarse sand (A_2 horizon), which in turn overlies >60 cm brown-orange soft, sandy pan (B horizon). Similarly, the Hamilton *variant a* soil landscape consists of 30–50 cm of brownish black speckled loamy sand (A_1 horizon) and 80–120 cm of brown to orange sandy pan (B horizon).

Therefore, if the soils in the Project Area have not been subjected to disturbance, they are predicted to consist of 15-175 cm of potential artefact bearing deposit. The currently available post-ex report (RPS 2022) for the Stage 2 excavations do not detail the soils in the Project Area; it is noted that the excavation reached a maximum of 1.19 m AHD, but it is unclear the depth from surface of these soils.







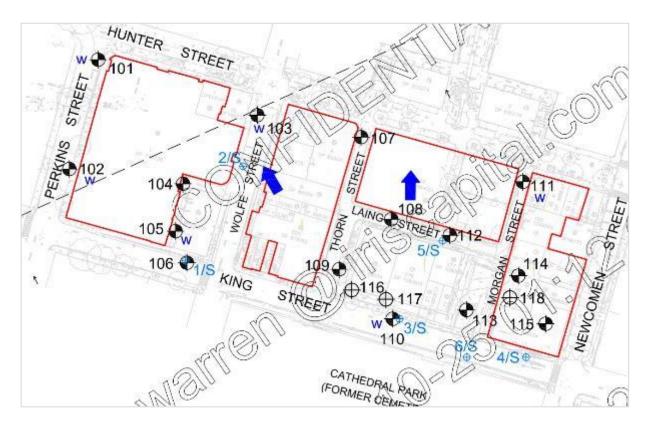
4.1.1 Geotechnical Investigations

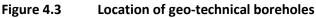
Geotechnical subsurface testing of the East End project environs provides some indicative information regarding current and/or potential stratigraphic conditions of the Project Area. Douglas Partners have undertaken geotechnical investigations around the Project Area in 2007, 2008 and 2015 (refer to **Figure 4.3**Error! Reference source not found.). In 2017 Douglas Partners prepared a report on behalf of Iris Land Pty Ltd reviewing the results of previous investigations and in consideration of the potential footprint of the proposed Newcastle East End Project (Douglas Partners 2017). Geotechnical investigations can be used to indicate where natural profiles have been modified and assist to locate where disturbances such as construction, landscaping and demolition have left evidence in the soil profile. Geotechnical samples can also indicate potential archaeological deposits and any disturbance that may have occurred to the archaeological resource.

Table 4.1 summarises the results of borehole analysis.

The geotechnical results clarify the expected depth of potential artefact bearing deposits under the fill across the Project Area. Fill depth is usually 1-2 m below surface level, under which there is generally 0.45 – 2.6 m of potential artefact bearing deposit.

In 2021, Hunter Civilab conducted further geotechnical investigations of the East End Village project. Generally consistent with investigations undertaken by Douglas Partners, Hunter Civilab identified natural alluvial sand, described as "grey/brown, medium dense to dense sand" was generally identified less than 1 m below current ground level.





Source: Douglas Partners 2015



Table 4.1	Summary of relevant borehole results. Depth of fill and remnant soils from surface					
displayed in metres						

Borehole	Fill depth	Remnant soils depth to water table or B horizon	Details
107 Corner of Hunter and Thorn Streets	0.0-1.2	1.2-3.1 (water table) 2.6m of potential artefact bearing deposit	 0 to 1.2 metres: asphalt concrete above fill – described as generally comprising orange/brown sandy fine to medium grained subrounded gravel with some silt to 0.25 metres. Grey/brown clayey fine to medium grained sand to 0.40 metres. Yellow/brown fine to medium grained sand with some silt to 0.70 metres. Brown gravelly silty fine to medium grained sand with ash and trace slag cobble inclusions to 1.20 metres. 1.2 to 2.1 metres: silty sand / sandy silt – described as being dark grey/brown moist to wet silty sand/sandy silt with traces of clay. Clayey lense from 1.70 to 1.75 metres. 2.1 to 3.7 metres: sand – described as being light grey fine to medium grained moist sand (saturated from 3.10 metres) 3.70 metres: claystone.
108 Laing Street	0-1.4	1.4-3.5 (water table) 2.1m of potential artefact bearing deposit	 0 to 1.4 metres: asphalt concrete above fill – described as generally comprising mixed grey/brown silt, sand and gravel to cobble sized slag to 0.35 metres. Yellow fine to medium grained sand to 0.60 metres. Brown silty fine to medium grained sand (with ash and charcoal lense at 1.20 metres) to 1.40 metres. 1.40 to 2.10 metres: sand - medium dense yellow/brown fine to medium grained moist sand with some silt 2.10 to 2.90 metres: sand - medium dense yellow/orange fine to medium grained moist sand with some silt 2.90 to 3.5 metres: clayey 3.50 to 4.0 metres: orange, silty, wet to saturated 4.0 metres: borehole discontinued
111 Corner of Hunter and Morgan Streets	0-0.4	0.4-2.7 (water table) 2.3m of potential artefact bearing deposit	0 to 0.40 metres: asphalt concrete above fill – described as generally comprising brown sandy gravel and cobbles with clay and silts 0.40 to 1.60 metres: sand - light grey/grey fine to medium grained sand, moist 1.60 to 2.10 metres: sand – grey to dark grey with some silt 2.10 to 3.10 metres: sand – light grey/brown (moist to wet from 2.70 metres) 3.10 to 3.4 metres: sand – light grey with some orange mottling, saturated 3.40 to 3.60 metres: clayey with trace to some fine to coarse grained subangular gravel 3.6 metres: claystone



Borehole	Fill depth	Remnant soils depth to water table or B horizon	Details
112 Laing Street	0-0.6* *Fill could possibly extent to 1.1m	0.6-1.98 (water table) 1.38m of potential artefact bearing deposit	0 to 0.60 metres: asphalt concrete above fill – described as generally comprising orange/brown sandy gravel and cobbles with clay and silts 0.60 to 1.10 metres: sand (possible fill) - light grey/brown fine to medium grained sand, moist 1.10 to 1.6 metres: sand - orange silty fine grained sand
			 with trace clay moist to wet 1.60 to 3.1 metres: sand - red/orange mottled light grey with increased silt and clay content. Saturated from 1.90 metres 3.10 to 3.50 metres: silty sandy clay – firm to stiff light grey mottled orange clay with some fine to coarse grained subangular gravel
			 3.50 to 4.0 metres: clay – stiff to very stiff grey/mottled orange clay with some fine to coarse grained subangular gravel 4.0 metres: borehole discontinued
114 Corner of Morgan and Laing Streets	0-2.0	- No detected potential artefact bearing deposit	0 to 1.10 metres: concrete above fill - grey/brown silty sandy fine to coarse grained gravel and cobbles including concrete and slag, humid. 1.10 to 2.0 metres: concrete rubble - described as generally comprising concrete rubble 2.0 metres borehole discontinued - refusal
115 Carpark area between Morgan and Newcomen Streets	0-0.45	0.45-2.0 1.55m potential artefact bearing deposit.	0 to 0.45 metres: concrete above fill – silty sand with gravels and brick fragments 0.45 to 1.80 metres: sand - light orange/brown fine to medium grained sand with some silt, moist 1.80 to 2.0 metres: sand – orange with some clay 2.0 to 4.0 metres: clayey – slightly clayey, grading into extremely weathered sandstone 4.0 metres: borehole discontinued

4.1.2 Summary

The soil materials described by Douglas Partners (2007-2017) and Hunter Civilab (2021) generally align with those mapped by Matthei (1995) as containing features characteristic of Hamilton, Hamilton a and Killingworth soil landscape, comprising sands deposited via a marine tidal delta process (representing a former shoreline), but also with aeolian processes at play that may have created a former foredune system adjacent to the Hunter River in this dynamic landscape that has changed throughout the Holocene period. Previous archaeological investigations (discussed further in **Section 5.2**) generally identify the former foredune/tidal shoreline as being the primary stratigraphic unit which retains evidence of Aboriginal occupation within the Newcastle CBD environs. As such, it is the focus for the current investigation.



4.2 Hydrology

One of the key considerations to long-term occupation suitability of the Project Area and environs by Aboriginal peoples prior to European occupation would have been the availability of suitable drinking water. While no freshwater drainage lines are located in the immediate Project Area, significant resources such as the Hunter River, the Cottage Creek Catchment, swamplands and an expanse of coastal waters are in the immediate vicinity of the Project Area. Cottage Creek is located approximately 1.5 km west of the Project Area and flows south-west to north-east into the current channel of the Hunter River. However, the channel of the Hunter River and its tributary Throsby Creek have been subject to substantial modification following initial European occupation of the Newcastle area in the early 1800s. This includes extensive land reclamation along the Hunter River foreshore, upon which the Project Area is partially situated upon. Substantial freshwater resources would have been available in the swamplands to the west of the Project Area (approximately 1.75 km southwest). Although an unsuitable camping location, the presence of this swampland would have attracted Aboriginal peoples to the area.

A freshwater spring is understood to have been situated near what is now the corner of Wolfe and King Streets, within 100 m west of the Project Area. The spring was reportedly located near a residence called 'Mulimbah', which was built in the early 1830s (Umwelt 2006:9). According to Barney (1997:20), this was an Aboriginal word for 'sweet water', and the spring continued to be utilised by Aboriginal people following European settlement and the establishment of the residence. Umwelt (2010) also noted that freshwater springs in the vicinity of Watt Street influenced the siting of the Newcastle penal settlement, and that a series of wells were excavated throughout the Newcastle settlement to take advantage of this supply, which was replenished by water flowing from higher ground.

4.3 Landscape and Land use

Landscape modifications associated with the settlement and ongoing development of Newcastle have altered the Project Area to such an extent that it is not currently possible to ascertain how the landform may have looked prior to modification. However, early historical accounts of Newcastle, including historical maps provide a volume of information with which to reconstruct how the area may have been prior to non-Aboriginal settlement.

The Project Area is located within a gently undulating landscape and abutting a lower portion of a steeper hill on which Christ Church Cathedral is currently located. Elevation across the Project Area is between 4 m AHD to 30 m AHD. The localised topography of the Project Area and environs is characterised by a gentle north-trending slope which grades down towards the Hunter River.

Proximity to the Hunter River would have provided ready access for Aboriginal people to a broad range of estuarine resources, with coastal resources also available to the east. Within this resource rich area, one of the key considerations in relation to long-term occupation by Aboriginal people would have been the availability of suitable drinking water. A freshwater spring is understood to have been situated near what is now the corner of Wolfe and King Streets, near which a residence called 'Mulimbah' was built in the early 1830s (Umwelt (Australia) Pty Ltd 2006, 9). According to Barney (Barney 1997, 20), this was an Aboriginal word for 'sweet water', and the spring continued to be utilised by Aboriginal people following European settlement and the establishment of the residence. Umwelt (2010) also noted that fresh water springs in the vicinity of Watt Street influenced the siting of the Newcastle penal settlement, and that a series of wells were excavated throughout the Newcastle settlement to take advantage of this supply, which was replenished by water flowing from higher ground (Umwelt (Australia) Pty Ltd 2010).



Landscape modifications associated with European occupation and on-going development of Newcastle have altered the Project Area to such an extent that it is difficult to ascertain the condition, pre-European modification. Early historical accounts of Newcastle, including historical maps, provide a volume of information with which to reconstruct how the area may have been prior to European occupation.

4.3.1 Development of the Project Area

The historical archaeological assessment of the Project Area, being undertaken concurrently to this ACHA, documents the very long history of development and building within the Project Area.

Ongoing development has resulted in a range of notable impacts within the Project Area including excavations to establish a suitable level surface for the former David Jones car park. Based on the range of construction activities that have occurred within the Project Area, it can safely be assumed that the upper portions of the natural soil profile (and any associated archaeological deposits) have been substantially disturbed. This is supported by geotechnical evidence referencing the presence of disturbed deposits of fill across the Project Area. However, there are no records indicating the presence of deep basement levels or cellars within the Project Area and the nature of deep sand deposits is such that archaeological deposits can be preserved at considerable depth. On this basis, it is considered that there is the potential for less disturbed archaeological deposits to be present within extant soil profiles.

The Project area is located in proximity to the western boundary of the 1804 established penal settlement; close to the limits of Wellington Street (now Hunter) and north of Wallis Street (now King). The northeast portion of the Project Area (Stage 4), is within the area has been identified having potential for archaeological evidence associated with the penal period of settlement, including convict huts (Edward Higginbotham & Associates Pty Ltd. 2013)

The Stage 3 portion of the Project area is directly related to the development of the Market Reserve and the Borough Markets. Prior to 1820s, the market reserve was potentially utlised as part of a burial ground (refer to **Section 4.3.2**). Noting that, as discussed below, mining may have been being undertaken here as early as 1801. The former market reserve, originally located between and including present Thorn and Morgan Streets, is likely to have remained a reserve until the early 1840s, eventually becoming the became the 'Borough Markets' (enclosed building) in 1871.

Armstrong's 1830 plan (**Figure 4.4**) shows a large coal pit southern portion of the Stage 4 development area. The exact location of the pit is unclear as a result of inaccuracies with the early maps. This coal pit is likely to have caused a considerable impact to Aboriginal archaeological resource in the Project Area, although the exact extant of the coal pit disturbance can only be verified through archaeological investigation.

An 1850 date sketch of the City of Newcastle shows the area to the north of Christ Church Cathedral as being sparsely developed; with denser development concentrated around Watt Street to the east and along the harbour front (refer to **Figure 4.5**). The sketch shows the land to the north of the Cathedral as sloping steeply down to the harbour with no obvious development with the potential exception of disturbance in the coal pit.



By the mid nineteenth century this area of Newcastle formed part of the central business area of the city. A series of plans dating to the 1850s indicate that there was a substantial growth in the development of Newcastle by this time, with buildings shown on several the allotments in Stage 4 portion of the Project Area (refer to **Figure 4.6**).

An 1875 'aerial' lithograph of Newcastle and an approximately 1880s dated engraving of Newcastle illustrate the dense built nature of the Project Area at this time (refer to **Figure 4.7**). The Market Place/Reserve has been subdivided and built on with additional street alignments formed, resulting in the creation of the city block. There are now buildings along all street frontages, in addition to structures in the centre of the Project Area behind the street front buildings.

Development of Newcastle only intensified in the latter half of the nineteenth century including the completion of substantial civil works, the establishment of sewers and the completion of drainage works to prevent ongoing issues with land slip.



Figure 4.4 Overlay of Armstrong's 1830 map

Note 'Present Government Coal Pit' – circled green. The approximate extent of the Stage 3 and 4 development blocks is shown in red.

Source: National Library of New Zealand





Figure 4.5 1859 Sketch of the City of Newcastle.

The Cathedral is shown centre image. A large, shaded area indicates the potential area of the coal pit/mine (indicated with red circle)

Source: Mitchell Library – Small Picture File – Newcastle



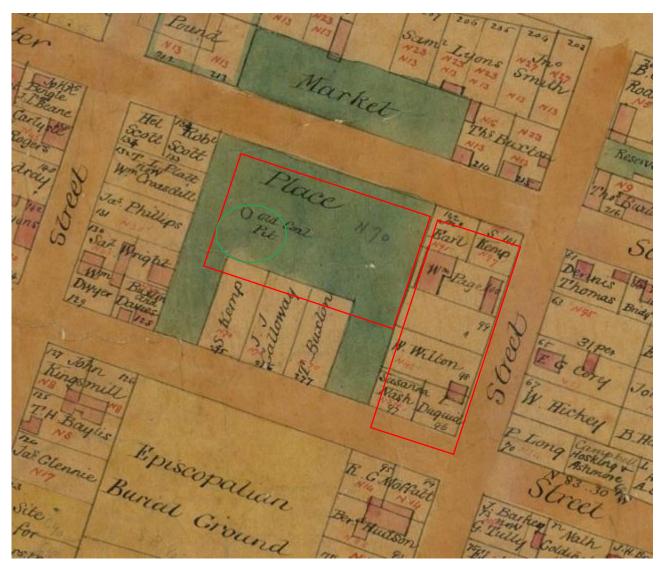


Figure 4.6 Detail of 1854 Plan of the City of Newcastle

Note 'Old Coal Pit' – circled green. The approximate extent of the Stage 3 and 4 development blocks is shown in red.

Source: Newcastle Regional Library – Local Studies Section LHMB 333.3/90





Figure 4.7 Detail of Gibbs Shallard & Co engraving of Newcastle, undated

Approximately 1880s dated engraving showing the Project Area. Stage 3 and 4 are located in front of the Church and burial ground, shown to the centre right of the image. Source: National Library of Australia http://nla.gov.au/nla.obj-135857980

4.3.2 Discoveries of Human Skeletal Remains

A review of development of the Project Area provided evidence human skeletal remains being uncovered around the Project Area, particularly in association with the Stage 3 area, which was the formal market reserve. These incidents of burials, which likely include Aboriginal ancestral remains, were identified through the multiple stages of construction of the area (**Table 4.2**). Due to disturbance from previous mining and the construction. the likelihood of burial remains being preserved in the Project Area today is very low, and human-remains unexpected finds procedure recommended for the area (**Section 11.7**). Nevertheless, the potential use of the area as part of a burial ground is information that can inform the interpretation of any cultural materials found in the area.

Date	Phase of Development
Pre-1820s	Vacant land potentially utilised as part of a burial ground (see below), noting that, mining may have been being undertaken here as early as 1801.
Pre-1830s	Coal pit
1869	Granted to Newcastle Borough Council for markets.
1871	Borough Markets opened with adjacent commercial buildings
1908	Municipal buildings constructed alongside the Borough Markets building; replacing the earlier commercial buildings
1916	Borough Markets demolished. Strand Theatre and adjacent constructed
1937	Strand Theatre remodelled
1979	Strand Theatre demolished and the current Market Square shopping arcade development constructed.

 Table 4.2
 Phases of construction of the Market Reserve (Stage 3 Area)



Evidence Date and	Notes
Occurrence	
1881 – Aboriginal	In 1881 three or four Aboriginal skeletons are reported to have been exhumed from sandy
ancestral remains	soil 'a few feet from the surface' near the Broadmeadow racecourse over 3 kilometres to the
uncovered at the	west of the Project area (NMH 9/06/1881). The coroner who examined the skeletons
Broadmeadow	reported that the Broadmeadow racecourse area had 'been a general camping place and
racecourse area	<i>burial-ground</i> ' for the Aboriginal population (NMH 09/06/1881).
1915 – initial	An article dated 11 November 1915 entitled <i>Early Newcastle Cemetery - Borough Market Site</i>
responses to the	reports that human bones were found in the trenches being excavated for the Strand
uncovering of	Theatres' foundations. The bones were 'spread over a considerable area' and were initially
human remains	thought to be 'those of Aborigines [sic]' as no coffins were found. However, a coffin was later
during the	found containing a complete skeleton of a body which had been laid out in the orthodox
construction of	manner (NMH 11/11/1915). A subsequent article dated 13 November 1915 titled Early Burial
Strand Theatre in	Place Borough Market Site suggested that the human remains were: properly interred in a
the Stage 3 area.	coffin, and laid out according to the orthodox rites of Christian burial, suggested the
	possibility that at a very early period (the area was a) portion of the old Christ Church burial
	ground (NMH 13/11/1915).
1915–Interviews	Interviews in 1915 with longstanding local residents suggested the area was:probably used
with local residents	as a burying place by the aborigines [sic], it was never at any time a recognised cemetery of
regarding the	the early settlers of the district (NMH 13/11/1915). Mr. Colin Christie, a former Mayor of the
uncovering of	city who had settled in Newcastle in 1849, said that the site of the former Borough Markets
human remains	was never a part of the Christ Church Cathedral cemetery. He thought that prior to the
during the	construction of the church in 1818 the area had been used as an Aboriginal burial place and
construction of	possibly for 'very early settlers'. Both Mr Christie and Mr. Peter Streit, who settled in
Strand Theatre in	Newcastle in 1857, could not remember the area ever having been reported as being an
the Stage 3 area.	extension of the cathedral burial grounds or as an Aboriginal burial place.
	The site of the Newcastle School of Arts (located on the north side of Hunter Street, outside
	the Project area) was identified as being an Aboriginal burial place and while the former
	market site on Hunter Street was not identified as a burial place it was thought likely given
	the uncovered skeletal remains. Early residents in the area are reported to have:buried
	their dead in any place which appeared most suitable, and that, sometimes, was in their
	gardens (NMH 13/11/1915).
	Another early resident, Mrs. Rodgers, who was born in Newcastle in 1843 at 177-187 Hunter
	Street (corner of Hunter and Perkins Street - former David Jones building), remembers the
	site of the former markets as being an unfenced paddock. Mrs Rodgers remembers the
	Christ Church Cathedral burial grounds as always being bound by King Street, however:
	it was quite possible that in those very early days, prior to the existence of any actual
	cemetery grounds the white people had been buried in the paddocks where the aborigines
1022_ Skulle	[sic] had found their last resting place (NMH 13/11/1915).
1923– Skulls identified in	A letter, supplied by the Australian Museum's Aboriginal Ancestral Remains Repatriation Program, dated January 25 1923 from H. Martin Doyle regarding a 'collection of skullssent
association with	to the Technical College for transmission to the Australian Museum' describes the remains as
the construction of	having likely come from the area of the former market reserve during excavation works
Borough Markets	associated with the construction of the Market Place in 1869 to 1870.
between 1869 to	The remains are described as formerly being in the possession of Major Bolton. Major Bolton
1870	arrived in Newcastle in 1837. His daughter married the Archdeacon Bode of Newcastle and
	gave the skulls to Doyle. Doyle thought that Major Bolton got possession of the skulls when:
	the old burying ground for pagans, executed men etc was dug up to make room for the
	markets which preceded the present Strand Picture Show (Doyle 1923).
	An 1886 Mahlstedt & Gee Plan of Newcastle indicates that Major Bolton owned a number of
	residences to the east of the Project area between Morgan and Newcomen Streets. Bolton is
	known to have owned a number of lots and properties in this block from as early as 1849;
	including at the time of the construction of Borough Markets between 1869 to 1870 and may
	have lived there during the construction works for the Market Place.

Table 4.3 Evidence of human remains being uncovered around the Project Area



Evidence Date and Occurrence	Notes
1935-Human	In 1935 a skull and other assorted human bones were uncovered during excavations for flats
remains found in	in Church Street to the southwest of the Project area. These were identified as likely being
Church St,	Aboriginal skeletal remains (NMH 15/5/35).
Southwest of the	
Project Area.	

4.4 Flora and Fauna

All extant native vegetation has been removed from the entirety of the Project Area as a direct result of historical urban development of the Newcastle CBD. Prior to European contact the vegetation community across the Project Area and the surrounds would have comprised Hunter-Macleay Dry Sclerophyll Forests. In general, the dry sclerophyll forests have open canopies with common tree species including *Eucalyptus maculate* (spotted gum), *E. eugenioides* (thin-leaved stringybark), *E. umbra* (bastard mahogany), *E. fibrosa* (broad-leaved ironbark). *E. robusta* (swamp mahogany) and *E. paniculate* (grey ironbark). Closer to the sand-dunes to the east, possible species may have included *Eucalyptus pilularis* (blackbutt), *Angophora costata* (smooth barked apple), *Eucalyptus gummifera* (red bloodwood), *Banksia serrata* (old man banksia) and *Leptospermum laevigatum* (coastal tea tree) (Matthei 1995:6 and Keith and Simpson, 2006).

The understorey would have consisted of shrubs, herbs, ferns, and grasses including silver-stemmed wattle, forest oak, coffee bush, gorse bitter pea, narrow-leaved geebung and mutton wood (Keith and Simpson 2006:124-125). Additional species would have included *Livistonia australis* (cabbage tree palm) and *Waterhousia floribunda* (weeping lillypilly).

Eucalyptus trees are known to have been used by Aboriginal peoples, with the leaves of some species crushed and soaked in water for medicinal purposes. Bowls and dishes were made from the heavy bark, as were canoes which would likely have been utilised by peoples to travel along the nearby Hunter River. Hardwood was used to fashion spear-throwers, boomerangs, and shields, as well as knocking sticks (Nash 2004:7-8). Other species, such as the geebung, are also a known resource; the fruit of the geebung was a favoured food, whilst string and fishing lines were soaked in a geebung bark infusion to help prevent fraying (Nash 2004:5). The extant native vegetation of the Project Area and environs would have also supported a range of mammal, reptile and bird species which would have formed a portion of the diet for Aboriginal peoples. The proximity to the coastline would have further allowed for the exploitation of coastal resources, including some resilient coastal plant species and the abundance of fish and shellfish found along the shore.

4.5 Summary of Environmental Context

The Project Area is in an environmental context that would formerly have allowed Aboriginal people ready access to a range of resources including (but not limited to) estuarine and coastal flora and fauna, suitable drinking water and suitable stone for the manufacture of stone artefacts. However, the Project Area has been subject to substantial modification because of the ongoing development of the city of Newcastle. This modification has almost certainly impacted any archaeological deposits that may have been present within the upper portion of the soil profile; especially a historical coal pit excavated in the 19th Century. Given the nature of deep sand profiles there is the possibility that archaeological deposits may be preserved at considerable depth in areas around the coal pit. This will be discussed further in the following section.



5.0 Cultural Context

To adequately understand the nature of archaeological resources within an area, it is necessary to also understand the cultural context of the area. The term cultural context encompasses both ethnohistoric information regarding how Aboriginal people lived in the region during the period of non-Aboriginal settlement, the historical context, and the archaeological context.

5.1 Ethnohistoric Context

The wider area forms part of a landscape that was used by the traditional Aboriginal owners, the Awabakal, for many thousands of years prior to European contact and continues to be highly valued by Aboriginal people today. The occupation of the Newcastle area (known to the Awabakal as *Mulubinba*) by Aboriginal people is demonstrated by the presence of a range of archaeological sites that include evidence of varying levels of occupation and utilisation of different landscapes and resources within the Newcastle area. Following non-Aboriginal settlement, there are records of Aboriginal people interacting with the non-Aboriginal population in the early period of settlement but subsequent records are relatively rare until the modern period (Umwelt (Australia) Pty Ltd 2014).

Ethnohistoric accounts can be of use in gaining an understanding of how the Awabakal and other Aboriginal people lived in the Newcastle area at the time of early contact. However, in reviewing ethnohistoric accounts, it must be noted that many of these document Aboriginal society from the perspective of non-Aboriginal men who would not have had access to all aspects of Aboriginal society. As such these accounts are often written by those who viewed Aboriginal people from an entirely non-Aboriginal perspective. In addition, most ethnohistoric accounts date from a period when introduced diseases had already had an impact upon Aboriginal society These limitations must be considered with reference to all of the information presented below.

Perhaps the single-most important source of ethnohistoric information for the Awabakal people was the missionary, Lancelot Threlkeld, who established a mission at Belmont and subsequently at Toronto on Lake Macquarie and collated a large body of information on the Awabakal people and their language between 1825-1841. Threlkeld's account included the story of Yi-ra-na-li, which he described as a sacred place 'near Newcastle on the sea-beach, beneath a high cliff'. He implied that this was connected to his Aboriginal informant's belief that Nobbys Island was the dwelling place of a giant kangaroo who, after breaching totemic rules was chased by flocks of wallabies and hid in Nobbys Island. From here he periodically shakes himself, resulting in the collapse of rocks from the cliff faces around Newcastle. While records also exist of corroborees or ceremonial events being undertaken in the Newcastle area (see Umwelt 2010), there are very few other records of spiritual beliefs and practices of the Awabakal people. Intensive occupation of the Newcastle CBD by Aboriginal people over many generations created large midden sites along the Hunter River foreshore, the deep sands of which were also known to have been used for burials.

Records from the earliest European explorers and settlers within the Newcastle region, although limited, record the early interactions between the Awabakal and the newly arrived Europeans. These early accounts include descriptions of encounters with Aboriginal people during Lieutenant Grant's expedition to the Hunter River in 1801. At this time Patterson wrote of the large quantity of oyster shell built up in middens along the Hunter River, writing to the King 'they are in some places for miles. These are four feet deep, without either sand or earth' (Patterson to King, 25 June 1801 in HRNSW IV quoted in Dallas 2004, 48).



More extensive interactions logically followed the establishment of the second penal settlement in 1804, including records of Awabakal people returning escaped convicts to settlement officials, possibly in retribution because escaped convicts attacked Awabakal families. This is typified by an account in the 1821 of Commissioner Bigge (as quoted in AHMS 2008, 63)

Many attempts are made by the prisoners to escape, and the natives who inhabit the Hunter River and Port Stephens Districts, have become very active in re-taking fugitive convicts. They accompany the soldiers sent in pursuit, and by their extraordinary site (sic) they can trace to a great distance with accuracy the imprint of a human foot. Nor are they afraid of meeting with the convicts in the woods, when sent in pursuit without the soldiers. By their skill in throwing the long painted darts, they wound and disable them, and bring them back prisoners, by unknown roads and paths, to the Coal River. They are rewarded for these enterprises by presents of blankets and maize, and not withstanding the apprehension of revenge from the convicts whom they bring back, they continue to live in Newcastle and its neighbourhood, but they are observed to prefer the company of soldiers to that of the convict.

Records exist of Awabakal people receiving gifts of blankets, tobacco and other supplies in thanks for their involvement (Roberts 2002). Accounts from 1819 and 1820 record the punishment of non-Aboriginal men for the mistreatment of Aboriginal men, including the execution of John Kirby (refer to Umwelt 2010). In addition, early artworks from the period by T.R. Browne, Joseph Lycett, Walter Preson and Joseph Cross all show Aboriginal camps bordering the developing settlement between 1812 and 1828. This does not in any way imply that the ongoing development of Newcastle was positive for the Awabakal people. Rather as Newcastle expanded following the closure of the penal settlement in 1823, the Awabakal were increasingly struggling to access their land and resources within the settlement itself. This is demonstrated by the records of violent clashes between the Awabakal and the European settlers in the 1830s in the Lake Macquarie area (Umwelt (Australia) Pty Ltd 2010).

A newspaper account in 1830 (in Turner 1997) indicated that the number of Aboriginal people within the Newcastle settlement at the time was equal too (if not greater than) the non-Aboriginal population and that Aboriginal people provided services to the 'lowest classes' such as carrying wood and water and received 'small pieces of tobacco or a cob of corn' in return. Records show that, with the continuation of European settlement within the Newcastle area, a decrease in Awabakal people was noted. This can be seen in the blanket distribution records from 1833 that lists 117 Aboriginal people in the Newcastle district. However, by 1846 only 29 Aboriginal people were listed on a blanket return list (Umwelt 2010) This may indicate a significant decrease of the Awabakal population in the area although it must be noted that these records may not be directly comparable.

This decrease in the Awabakal population was evidenced by Threlkeld who noticed that the number of Aboriginal people occupying the Belmont and later Toronto missions, significantly decreased. Threlkeld attributed this decline as a result of both the effects of disease and the ongoing attraction of employment in Newcastle. Threlkeld stated that Aboriginal people were 'employed' in the Newcastle settlement as fishermen, water carriers, messengers, servants and ship hands (in Umwelt 2010). He also noted that while Aboriginal people were living in camps at Newcastle, it was 'being sold out from under their feet, and only the sea-beach, one hundred feet from the high-water mark, is the place on which they may rest their heads beneath burning sun or pitiless storm' (refer to Umwelt 2010).



The historic accounts demonstrate the ongoing presence of Aboriginal people within proximity to the Project Area. However, subsequent records of Aboriginal people living or working within the Newcastle CBD are relatively rare until the modern period. This does not demonstrate the absence of Awabakal people or Aboriginal people more broadly from the area but is probably symptomatic of the increasing marginalisation of Aboriginal people resulting from the expansion of the settlement.

The experience of Aboriginal people in NSW since European contact has also been one of movement, forced or otherwise, which has seen Aboriginal people from other traditional countries come to the area and develop their own attachments to Newcastle. The history of the Newcastle CBD (Mulubinba) therefore spans the traditional and ongoing Awabakal connection to country, the attachment to place experienced by other Aboriginal people, European settlers and other migrant peoples since 1788 and the shared history of all.

5.2 Aboriginal Archaeological Context

A review of available archaeological information is crucial to the archaeological assessment process, as it informs our understanding of archaeological site patterning, site survival and the potential for detection of extant archaeological sites. This information is discussed with reference to the outcomes of a search of the Aboriginal Heritage Information Management System (AHIMS) database, relevant historical heritage listings and a summary of the outcomes of previous archaeological investigations in the local area.

5.2.1 Aboriginal Heritage Information Management System

A search of the AHIMS was undertaken on 14 April 2023 covering Lat, Long From: -32.9431, 151.774 - Lat, Long To: -32.9221, 151.8359 (**Appendix C**). The search produced a result of 12 sites (9 valid, 2 destroyed and 3 partially destroyed), refer to **Figure 5.1**. As seen by **Table 5.1**, the most common site type in the region is stone artefact sites, which dominate the archaeological record as they have a much higher preservation rate than other archaeological materials. One site, #38-4-0796, is located immediately to the north of the Project Area. This site (referred to as 200 Hunter Street) was identified as a potential archaeological deposit (PAD) and was subsequently subject to archaeological excavation.

Of those Aboriginal sites reported in the AHIMS search, a single site, 'Newcastle CBD PAD' (AHIMS ID#38-4-1084) lies within the boundaries of the current Project Area. Comprising an area of PAD, 'Newcastle CBD PAD' (AHIMS ID#38-4-1084) extends across the block bound by Perkins Street to the west, Newcomen Street to the east, Hunter Street to the north and King Street to the south. To date, the site footprint has been subject to two archaeological investigations which have confirmed archaeological deposit (Umwelt 2017, 2021 and RPS, 2022). Details of these sites are discussed in **Section 5.2.2**.

Site Types	Count (n)	Percentage of Total
Open Artefact Site	6	50
Potential Archaeological Deposit	4	34
Aboriginal Ceremony and Dreaming	1	8
Restricted ¹	1	8
Total	12	100%

Table 5.1 AHIMS Search Results

¹ Heritage NSW has confirmed the restricted site is not within the Project Area.





5.2.2 Previous Archaeological Investigations in the Local Area

Numerous archaeological investigations (comprising both Aboriginal and historical heritage) have been undertaken throughout the Newcastle area. The majority of these have primarily focused on infrastructure and urban development activities. Collectively, the results of previous surface and subsurface investigations within the greater Newcastle area have established an impression of past-Aboriginal land-use, attesting to an emphasis on low-gradient, sandy landform elements adjacent to the Hunter River, as well as an emphasis on the procurement and reduction of locally sourced Nobbys Tuff.

As the current report relies heavily on previous excavations within site 38-4-1084 to construct archaeological management protocols, the results of excavations in this site during Stage 1 East End excavations are discussed in detail below. Other local investigations are summarised in **Table 5.2**.

5.2.2.1 Summary of East End Stage 1, as reported in:

- Umwelt 2017 Aboriginal Cultural Heritage Assessment Report, Newcastle East End Project, Stage 1 (Pre-excavation reporting)
- Umwelt 2019 AHIP C0003431 AHIP C0003431 (Post-excavation summary reporting, before full salvage reporting handed to RPS)
- RPS 2020 East End Stage 1 Aboriginal Archaeological Salvage Report AHIP C0003431 AHIP C0003431 (Post-excavation report).

Umwelt (2017), in consultation with RAPs, completed an ACHA and AHIP application for Stage 1 of the 'Newcastle East End' project. This assessment built on the outcomes of the earlier investigation undertaken by Umwelt (2009) and provided supplementary information regarding the outcomes of previous archaeological investigations in the local area. The assessment reviewed the context of the Stage 1 area and identified that there were no grounds to revise the previous assessment which resulted in the identification of 'Newcastle CBD PAD' #38-4-1084 (which encompasses the entirety of the 'Newcastle East End' Project Area and part of the current Project Area) based on its archaeological potential but noted that this potential is largely dependent on the extent of sub-surface disturbance. The 'Newcastle East End' Stage 1 area was assessed RAPs as having high Aboriginal cultural significance.

During the East End Project Stage 1 works, which took place after demolition of the buildings onsite, Umwelt undertook 48 m² of test excavations (see Figure 5.3) and uncovered 7,088 artefacts. These excavations were based on 1 m x 1 m units but were conducted continuously to form areas of 2 x 1 m. The location of the test trenches was selected by the archaeologist and in consultation with Aboriginal party representatives to ensure adequate coverage of the area of archaeological potential. Thus, the final locations of the pits were confirmed onsite in collaboration with the team, responding to the varying levels of disturbance uncovered following initial demolition, with an aim of sampling 1% of the AHIP area. Following this initial excavation, test pits with the highest artefact count TP9&10 (355), TP13&14 (2332), 17A&18A (607), 23&24 (1434), 27&28 (380), 29&30 (1171) and 43&44 (371) were subject to expansion for salvage excavation. A total of approximately 81 surface square meters was excavated, resulting in the recovery of 16,618 stone artefacts (artefact density of – an artefact density of 205 artefacts per m² (Umwelt 2019).



In 2020, RPS completed full reporting of the site. Due to the large quantity of artefact retrieved through the excavation, a representative sample of 1080 artefacts were analysed (56-59% of the total assemblage) (RPS 2020, p. 1).

Undisturbed artefact bearing soil profiles have been encountered at depths greater than 2 m below the ground level of surrounding streets. The mid to northern portion of the AHIP area, stratigraphy comprised homogenous sand deposits extending to the depth of the water table. From approximately 50 centimetres, pits in this area displayed large water transported cobbles which included a substantial quantity of water rolled artefacts. It was considered by both Umwelt (2019) and RPS (2020), that the artefacts identified are within this stratum, are likely to have been washed to that location after deposition by Aboriginal people. Due to this, artefacts within this area are considered to have low integrity. Pits in the southern portion of the AHIP area (pits 13/14, 23/24 and 29/30) exhibited several distinct periods of sand deposition and colluvial material overlying cobble lenses and sandstone. The potential for in situ Aboriginal archaeological deposits with stratigraphic integrity decreased with proximity to Hunter Street and the former foreshore location. As shown in Figure 5.3, the overall distribution of artefacts was relatively consistent across site., with a slight increase in artefact density in the southwest portion of the site closer to Hunter Street,

The assemblage was predominately composed of Nobbys Tuff, with silcrete, quartzite and chert present in very limited quantities. Artefacts within the windblown sand deposits include formal tool types (predominantly backed points) as well as other retouched flakes, complete flakes, flaked pieces, and other artefact classes. Artefacts within the cobble layers varied from being highly water-rolled and impacted to unaffected and, in some areas, included a high proportion of large, retouched flakes.

While there was a high quantity of artefactual material recovered from the site, RPS commented the following in relation to archaeological significance:

"Although a high quantity of artefacts were recovered from the archaeological investigations, the representative sample of 10,080 artefacts indicated that the largest proportion of the assemblage were fragments (over 47.59%). The high quantity of water rolled cobbles intermingled with artefactual material indicates significant spatial movement of the artefacts, likely due to tidal influences. This has likely reduced the integrity of the sub-surface deposits identified at AHIMS site 38-4-1084. PR147074-1. The assemblage is representative at a local level with a high proportion of Nobby's tuff material being utilised for stone tool production. This is similar to the nearby excavations in the Newcastle CBD area. However, there is a significantly larger quantity of artefacts recovered from the site, a low-moderate archaeological significance rating has been designated."

The RPS report also commented that the Aboriginal community felt that the Stage 1 Project Area was of very high cultural significance.



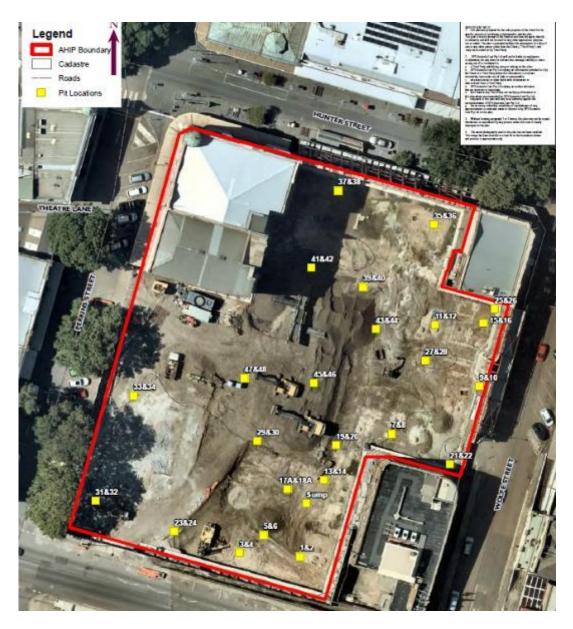


Figure 5.2 Stage 1 East End test pit locations. (Source: RPS 2020)



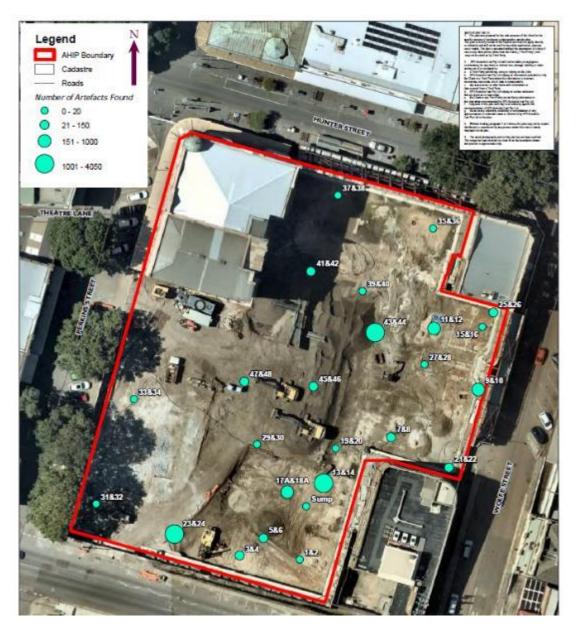


Figure 5.3 Stage 1 East End artefact density map. (Source: RPS 2020)



Prior Archaeological			
Assessment	Overview of findings		
Higginbottom 1999 – Report on the archaeological test excavation of the Convict Lumber Yard and Stockade, Newcastle.	One of the key sites identified within the Newcastle CBD includes the former convict lumber yards, located approximately 300 m east of the current Project Area. Aboriginal artefacts were recovered from excavations within the lumber yards in association with deposits of mixed fill and sandy topsoil. Whilst the stratigraphy of the lumber yard excavations was relatively complex and indicative of varying disturbance factors, it was found that some <i>in</i> <i>situ</i> Aboriginal objects were present. These objects had been disturbed and mixed with remains of early nineteenth century historical occupation, confirming that the site had been disturbed. The investigation provided a preliminary understanding of the Aboriginal archaeological resource of the Newcastle area and provided evidence that the Newcastle area was actively used by Aboriginal peoples prior to and at the time of the original penal settlement of Newcastle. Based on the material evidence, Higginbottom also suggested that the coastal area was utilised by both European and Aboriginal peoples concurrently during the early occupation phase of the area (Higginbotham 1999).		
Dallas 2004 – Aboriginal Archaeological Test Excavation Report Boardwalk Site Honeysuckle Drive Newcastle, NSW.	During works undertaken for the Honeysuckle Drive Boardwalk, located approximately 300 m to the northwest of the current Project Area, excavations of a shell midden found a low-density scatter of whelk, cockle and oyster shells. A total of 113 stone artefacts were found in association with midden material. Additional stone artefacts were also recovered from overlying fill deposits, similar to Higginbottom (1999) above. Dallas (2004) reported that the artefacts were present in relatively low densities across the site, with an average of 11/m ² . Artefacts consisted of flakes, flaked pieces and broken flakes, with the majority of the assemblage manufactured from Nobbys Tuff, with smaller quantities of silcrete, rhyolite and quartz.		
	The results of the assessment confirm that the Newcastle area was actively used by Aboriginal communities for resource exploitation, in particular the estuarine and coastal marine resources available. The report, however, concluded that the low density of artefacts is likely the result of the low intensity use of the area, pointing towards transient or opportunistic use. Contrarily, this low density may be reflective of long withstanding land use and associated subsurface disturbance, which may have impacted, disturbed or destroyed further evidence of Aboriginal occupation or use of the subject area. The presence of artefactual material in the layers of fill may indicate that although the foreshore area has been disturbed by prior works, Aboriginal objects may be retained, if not <i>ex situ</i> . This may suggest that areas within the Newcastle CBD that have similarly been impacted by fill deposits, or areas in proximity to the original Hunter River shoreline such as the current Project Area, may also retain material evidence of Aboriginal occupation and use (Dallas 2004).		
Insite Heritage 2005 – Test Excavation Report 200-212 Hunter Street, Newcastle.	Insite Heritage (2005) conducted test excavations at 200-212 Hunter Street, located directly adjacent to Stage 5 of the current project. This is recognised as within the area of Aboriginal site 38-4-0796. The excavation focused on the remains of three buildings from the mid- 1800s. Aboriginal stone artefacts were recovered from the natural soil layers encountered on site. Artefact types included flakes, one retouched flake, one core and one hammerstone. All were manufactured from a greenish-grey fine grained siliceous material such as tuff or mudstone, likely to be of local origin. A small number of non-artefactual fragments of fine		
	mudstone, likely to be of local origin. A small number of non-artefactual fragments of fine grained silicious (FGS) material was also recovered in the natural layer, including six fragments and four cobbles or pebbles. One FGS 'pot lid' (a small flake resulting from		

Table 5.2Summary of archaeological investigations within and near the Project Area.



Prior Archaeological Assessment	Overview of findings
	application of excessive heat to stone) was also recorded. One of the artefacts exhibited heating features, comprising crenated fractures and pot lids. Some of the artefacts were broken, which were assessed as having occurred during manufacture or from post-depositional processes. It was concluded that all flaked stone artefacts from the natural layers were likely to date from prehistoric Aboriginal occupation of the area. Further excavations of the historic levels found total of 161 artefacts. These deposits exhibited a similar range of flaked stone artefacts and were found in association with introduced fill including pebbles and cobbles and materials such as flint and chalcedony. Of those recovered, 19 stone artefacts dated from the 1804–1860 layer, and the remaining majority dated from the 1860's. Only three artefacts were found within the post 1860 layer. This site demonstrates that Aboriginal occupation of the area continued into the early 19 th century, with areas of mutual occupation being present. However, Insite Heritage concluded that there was no direct evidence of Aboriginal production of flaked stone artefacts, and that artefacts may have been incorporated into the historic structures, which may have been associated with reclamation of the foreshore in the 1850s, or more probably, the levelling of the site prior to construction around the mid-1860s. The presence of artefacts within this setting demonstrates the potential for artefacts to be incorporated within fill deposits within the immediate vicinity of the current Project Area. As the current Project Area is located immediately adjacent to this site, it illustrates that the area is representative of combined European historic and Aboriginal significance, suggesting that the landscape could hold additional evidence for a similar overlap in land use (Insite Heritage 2005).
AHMS 2011 – Section 87/90 Aboriginal Heritage Impact Permit #1098622: Excavation Report.	Further excavations of the site at 700 Hunter Street, located approximately 1.3 km northwest of the Project Area, resulted in the recovery of over 5,000 stone artefacts. These were found primarily amongst fill material. A total of 48 m ² were excavated, re-identifying midden material and recovering 5,534 Aboriginal cultural heritage objects. In addition, a hearth feature dating to 2118 and 1933 BP (calibrated) was also identified. An artefact density of 115.3 artefacts/m ³ is noted, with some occurrences of over 100 artefacts per test pit. Over 90 % of the assemblage was manufactured from tuff (two varieties present) with only small quantities of silcrete, chalcedony, chert, quartzite, sandstone, volcanic and glass. Retouched artefacts comprised approximately 2.4 % of the assemblage, with two ground implements, two hammerstones, an anvil and a pebble chopper also recovered. Based on OSL dating, it was determined that the oldest deposit dated to 3,500 BP (calibrated) and that later occupation, identified within the A2 soil landscape (upper dune), dated to 2,480–1,933 BP (calibrated). Occupation across this area is believed to have continued after this period, however disturbances across the study area resulting from contemporary developments had severely impacted the A1 horizon. The current Project Area will likely be considered in a similar light, as the contemporary infrastructure and urbanisation of the area has severely impacted the remnant A1 horizon (AHMS 2011).
Umwelt 2020b - Newcastle Light Rail Project – Archaeological Report. Works Conducted under AHIP C0002170.	Information in this report includes the outcomes of completion of archaeological salvage excavations within site 38-4-1223 and associated area, the completion of archaeological excavations of an area of archaeological sensitivity (as identified by RPS 2016) and the completion of bulk excavation and artefact recovery for mechanical excavations conducted in an identified area of archaeological sensitivity, all of which were located in the Light Rail corridor immediately to the south of the current Project Area.



Prior Archaeological Assessment	Overview of findings
Prepared for Downer EDI on behalf of TfNSW	The works resulted in the recovery of 3,189 artefacts, which were subject to subsequent detailed analysis. In addition, the report notes that surface collection of sites 38-4-1222, 38-4-1223 and 38-4-1804 was undertaken by RPS and RAPs in accordance with AHIP conditions. No surface artefacts were recovered, and the sites were subsequently impacted in accordance with the provisions of AHIP C0002170.
	The excavations conducted within the area of sensitivity east of Cottage Creek identified a disturbed soil profile with little to no archaeological integrity. Similarly, excavations within an area of 3 m by 3 m immediately bordering Stewart Avenue reflect disturbance activity. The area of these excavations appears to have been a naturally low-lying area that was subject to two periods of inundation of sufficient length for the formation of swamp deposit and that was also subject to tidal inundation and wave action and a brief period where aeolian sands blew into the area. These factors mean that many of the artefacts within this area (and in other lower portions of the other excavated areas) have been introduced to the profile because of water movement and are not in their original depositional context.
	In contrast, excavations for a deep sewer trench (now located within the access road immediately to the north of the Light Rail stabling facility) identified a relatively intact soil profile beneath a layer of modern fill material. Typically, the fill material extended to approximately 0.4 m and was underlain by a light grey fine-grained sand (A2 horizon) that extended to approximately 0.9 to 1 m below the current ground surface and overlay a mid-yellow orange sand trending to a dark orange-brown cemented sand (B horizon). Artefacts were primarily recovered from within the A2 horizon soils, with artefact densities varying substantially. Six test units (each measuring 1 m by 1 m) contained less than 50 artefacts, three contained between 50 and 200 artefacts, with three test pits containing over 200 artefacts (230, 554 and 796 each). Artefacts were predominantly found within the upper 50 cm of natural sand deposit but were present (albeit in lower numbers) to the base of the A horizon. Tuff was the dominant raw material represented within the recovered artefact assemblage.
	Regardless of site formation processes, the lack of diversity in artefact classes, the low representation of retouched artefacts and the very low numbers of cores identified in the assemblage across the excavated areas suggest that, for most of the time the landscape incorporating these areas was used, it was a manufacturing area and not used for prolonged occupation. The exception to this comprises a brief period during the time Spits 4 and 5 were accumulating in the portion of the site with the highest artefact densities. The evidence strongly suggests a period of occupation in this small area, albeit for a relatively short time.
	This period equates to a time when dune sands covered the area in the late Holocene (estimated to be between 2000 to 3000 BP). The key indices for occupation within this area and depth include increased diversity in the artefact assemblage, the presence of a partial grindstone (indicative of processing of plant food), the increased evidence for heat affect, potentially associated with former hearths, increased rates of core rejuvenation, increased evidence of backed artefact manufacture and the use of strategies to conserve raw materials (Umwelt 2020).
Umwelt 2021 – Aboriginal Archaeological Due Diligence Assessment, 11-17	Umwelt undertook an Aboriginal Archaeological Due Diligence Assessment at 11-17 Mosbri Crescent, approximately 575m south of the current Project Area. This assessment identified that the wider site has been subject to significant modern disturbance through the construction of the existing NBN Television building, including carparks and other ancillary buildings. A small section of remnant Killingworth soil landscape was identified upon a part of the landform within the Project Area; however, it was found to have heavily eroded soils. In this landform, two Aboriginal objects (tuff flakes) were identified and collectively recorded



Prior Archaeological Assessment	Overview of findings
Mosbri Crescent, The Hill	as Aboriginal site 'NBN_AS1' AHIMS #38-4-2100. No subsurface archaeological potential was noted, as it was observed that the landform was subject to significant erosion, with a hard baked A ₂ horizon. This would make the likelihood of subsurface artefactual deposits quite low, as the vertical movement of artefactual material into subsoil layers would be prevented by the inherent compactness of these soils. As avoidance of 'NBN_AS1' AHIMS #38-4-2100 was not possible within the scope of the current development. At the time of writing, an Aboriginal Cultural Heritage Assessment
	(ACHA) was in development to support an AHIP application (Umwelt 2021a).
Umwelt 2021 – Newcastle Bus Interchange – Works Conducted under AHIP C0003418	Umwelt undertook Aboriginal archaeological test excavation and salvage at the Newcastle Bus Interchange from April to June 2019, located approximately 1.7 km west of the current Project Area. Investigations within this area identified that the Wickham Transport Interchange PAD and associated landform extended into this property, with the PAD extended to reflect this. A total of 28 m ² of test excavation and a further 30 m ² of salvage was undertaken, recovered over 9,400 Aboriginal objects. Excavations were undertaken as 2 by 1 m units, comprising two 1 m by 1 m test squares.
	The larger, western portion of the site comprised a low-lying salt marsh or swamp area, comprising a coarse-grained sand deposit overlying dense gravels above estuarine sands extending significantly below the water table. Typically, fill materials extended well below 1 m depth, overlying a pebble-filled, damp, pale grey/yellow sand (A ₂ horizon). This horizon was consistently subject to flooding during excavation, and predominantly was underlain by a deep estuarine sand deposit. An exception to this was the identification of a dense pebble lens, primarily identified within TP5/6 that was subject to salvage expansion. This dense pebble lens was identified at between 50 and 60 cm below the top of the natural deposit, suggesting that this area may have formed part of a slow-moving creek line that flowed through the swamp or marsh area. A significant number of Aboriginal objects were contained within the pebble lens, accounting for approximately one third of the assemblage. Comparably, the eastern portion of the site near to Hannell Street (located under the former carpark) comprised a soil profile consisting of fine-grained, wind-blown dune sands – consistent with the understanding of dune sands covering the area during the late Holocene. Typically, fill materials were between 0.1 to 0.4 m below the modern surface, underlain by a light grey fine-grained sand (A ₂ horizon) that extended to approximately 1 m below the current ground surface. In select instances where deeper fills were not identified (especially within test or salvage squares near Hannell Street), a thin lens of small, rounded pebbles at the interface of these two horizons, suggesting a slow-moving water course within the area. Artefacts were primarily recovered from the A ₁ and A ₂ horizons, with a large percentage recovered from the interface between the A ₂ and B horizons (sometimes within concretions). Identification of this dune sand profile is consistent with other investigations of the foreshore area, which suggests that these dunes were
	The relative artefact density identified across the site was approximately 160 Aboriginal objects/m ² , inclusive of all test and salvage excavation undertaken. Test and salvage undertaken within the dune sand deposit recovered artefacts at an average density of 107/m ² , and at approximately 150/m ² within the salvaged units. The relatively intact nature



Prior Archaeological Assessment	Overview of findings
	of the soil profile and the consistency in which artefacts were recovered (generally within bands at 10 to 20 cm, 40 to 50 cm and at the interface of the A/B horizons) suggests that these artefacts were located within the original context. Comparably, from the expansion of TP5/6 (totaling 11 m ²) approximately 3,500 artefacts were recovered at an average artefact density of 319/m ² . It was noted that while the density of Aboriginal objects recovered from TP5/6 is considerably higher than that of the other salvage areas, the context in which they were recovered (primarily from the dense pebble layer) suggests that they are potentially located within a secondary context (Umwelt 2020)
Umwelt 2019 – Aboriginal Cultural Heritage Assessment: Newcastle East End Project – Stage 2	Umwelt completed an ACHA and AHIP application for Stage 2 of the 'Newcastle East End' project, following the outcomes of Umwelt (2009 and 2017) and provided supplementary information regarding the outcomes of previous archaeological investigations in the local area. AHIP #C0005464 was issued for the 'Newcastle East End' Stage 2 area on 10 January 2020. Archaeological excavation works commenced within the Stage 2 area in late 2020. It is noted these excavation works are being undertaken separate to Stages 2, 5 and 9 of the proposed Newcastle East End Public Domain Upgrade Works project discussed in this report. Although disturbance has been identified as being extensive and varied in depths across the Newcastle East End Project Stage 2 Project Area, undisturbed soil profiles with artefacts have been exposed from approximately 2.67 metres AHD.
RPS 2022 – Interim Report: Newcastle East End Project – Stage 2	RPS was engaged by Iris Capital to prepare an Aboriginal Archaeological Preliminary Report for East End Stage 2 (EES2) in the Newcastle Local Government Area (LGA). The preliminary report described the actions relating to the harm of Aboriginal objects as permitted by the AHIP C0005464. Community collection was undertaken in the form of surface collection, monitoring during perimeter pre-piling and piling works, and bulk sieving of stockpiles. A total of 26 surface square metres was subject to test excavation including expansions. Additional salvage excavations were conducted at test pits with the highest artefact counts. An additional 6 square metres (surface measurement) were excavated within these expansion areas. The total test pit and salvage expansion areas covered 32 square metres at the completion of excavation. A total of twenty-six (26) 1 m x 1 m pits were subjected to archaeological investigation, three of which were further expanded. Over 16,700 lithic artefacts have been recovered. Lithic analysis and the salvage excavation report are yet to be completed. Preliminary results indicate that most artefacts comprise Nobby's Tuff raw material. Several heat-treated artefacts and specialised tool types have been identified including Bondi points, backed microliths, retouched blades, retouched flakes and multiplatform cores. Recovered artefacts are now temporarily stored in a safe locked location at the RPS Newcastle Office, Unit 2A, 45 Fitzroy Street, Carrington NSW 2294 in accordance with AHIP C0005464.Reports of onsite non-compliance issues resulted in sieving works being undertaken, which were completed in May 2022. There were an estimated 12,800 lithic artefacts recovered during this time. A more accurate count will be included in the salvage
Umwelt 2021 – Heritage	excavation report. The results of Aboriginal community collection and archaeological excavations were not available at the time of the current assessment (RPS 2022). Umwelt undertook a heritage assessment of the Project Area, inclusive of an assessment of the historical and Aboriginal cultural heritage of the area. This assessment forms the basis of
Assessment: Newcastle East End	the current report (this report), following the recommendation that prior to the commencement of the proposed works, an ACHA (this report) should be prepared to



Prior Archaeological Assessment	Overview of findings
Stages 2, 5 and 9. Public Domain Upgrade Works	evaluate the potential impacts to identified intact and largely undisturbed soil profiles, develop mitigation and management strategies and to consult with the local registered Aboriginal parties.
	The assessment provided a thorough overview of the historic development of the Project Area and the immediate surrounds, and clearly demonstrated that the area has been extensively disturbed and utilised during the early development of the Newcastle CBD. This includes the construction of the contemporary Newcastle Harbour via extensive reclamation works, commercial development of the Newcastle city centre, the installation of drainage and subsurface services, and the formalisation of the Newcastle Road system.
	Irrespective of this widespread disturbance, and in conjunction with associative geotechnic investigations, this assessment posited that undisturbed natural sands may be present at depths of 700 mm below current ground levels and as such the project has been assessed as having the potential to impact intact soil profiles with Aboriginal archaeological potential. Based on this information, the Project Area has the potential to contain Aboriginal archaeological material within sub-surface profiles associated with the fore-dune system that may exist below the depth of current disturbance (1.2 m+) (Umwelt 2021b).

5.3 Key Observations

Key observations to be drawn from a review of both the regional and local archaeological context of the Project Area and environs are as follows:

- Archaeological data for the Newcastle CBD indicates that artefact assemblage size generally varies in relation to landform, with larger, more complex artefact assemblages concentrated on low gradient landform elements on sandy soils within 200 m of the Hunter River. Beyond these contexts, open artefact sites are less frequent with object densities reflecting 'background scatter'.
- Existing AHIMS data for the greater Newcastle CBD area and environs indicate that open artefact sites (i.e., artefact scatters and isolated artefacts) are the dominant site type for this area. Areas of potential archaeological deposit are also well-represented and reflect the locally assessed potential for subsurface open artefact sites.
- Local flaked stone artefact assemblages indicate an emphasis on the acquisition and reduction of locally available Nobbys Tuff, likely sourced directly from Nobbys Head, approximately 2 km northeast of the current Project Area. No evidence of Aboriginal stone quarrying has been identified within the current Project Area nor are any mapped instances of stone materials present.
- Previous test excavation and salvage programs within and adjacent to the current Project Area yielded moderate to high concentrations of stone artefacts, with results from these programs interpreted as a product of repeated and/or often sustained occupation in the Newcastle CBD environs. Recovered stone artefact assemblages yielded a dominance of flaked stone objects, with formed objects (retouched flakes, cores, ground implements etc) comparatively rare.



5.4 Archaeological Predictions

Following from the above, the integrity of the anticipated archaeological deposit within the footprints of Stages 3 and 4 and are anticipated to exhibit consistency with those deposits uncovered during Stage 1 and 2 of the East End Project. A large coal pit is shown within Stage 3 (and potentially Stage 4) of the Project Area, from 1800s historical maps. This coal pit is likely to have caused a considerable impact to Aboriginal archaeological resource in the Project Area, although the exact extant of the coal pit disturbance can only be verified through archaeological investigation.

The current Project Area falls within the bounds of a mapped area of PAD, 'Newcastle CBD PAD' (AHIMS ID#38-4-1084). To date, archaeological investigations (e.g., Umwelt 2017, 2021 and RPS, 2022) undertaken within the mapped footprint of the site have recovered extensive Aboriginal archaeological assemblages. The AHIMS mapped boundary of 'Newcastle CBD PAD' (AHIMS ID#38-4-1084) (**Figure 5.1**) is largely arbitrary as its boundary definitions are tied to previous development areas instead of the true predicted scope of subsurface resource in the local landscape. As the entire Project Area is part of the same landscape context and has a similar land use history, it is likely that the PAD predicted as part of 'Newcastle CBD PAD' (AHIMS ID#38-4-1084) extends across the entire Project Area. Notwithstanding, it should be noted that the Stage 3 block features a much more gently inclined slope mostly on Quaternary Holocene sands when compared to the southern half of the Stage 4 block – which experiences a steep rise in elevation with a hill slope associated with the Late Permian Geology of sandstones and conglomerate. It is possible that the steeper slopes within the Project area are lacking/have shallower Holocene sands and instead rest directly on bedrock in some portions. However, the accuracy of these predictions are limited to broader geological mapping and indicative geotechnical results. Only controlled archaeological excavation would be able to establish these microtopographic indicators of archaeological sensitivity.

Material evidence of past-Aboriginal occupation, where present in the non-disturbed location of the Project Area will likely to be restricted to flaked stone artefacts in deeper subsurface contexts of great depths (geotechnical evidence indicates depth could be to 2.6 m from surface, after which the water table is reached). Surface sites (open artefact sites) will generally be absent owing to significant surficial impacts from urban development. Ancestral burials and/or cultural shell deposits, although unlikely, may also be present within sandy subsoils.



6.0 Archaeological Site Inspection

A visual inspection of the Project Area and on-site meeting was undertaken on 5 April 2023. The visual inspection and on-site meeting were attended by the representatives listed in **Table 6.1** Note that due to the entire site being subject to urban development, archaeological survey in accordance with all the conditions of the *Code of Practice* was not possible.

Organisation	Name
Awabakal and Guringai	Tori Leven
Awabakal Descendants Traditional Owners	Peter Leven
Awabakal Traditional Owners Corporation	Tyler Howie
Jarban & Mugrebea	Leslie Atkinson
Kawul Pty Ltd trading as Wonn1 Sites	Suzie Worth
Umwelt	Tim Adams
Umwelt	Lara Tooby
Iris Capital	Jamie Boswell

Table 6.1 On-site meeting and site visit attendees

6.1 Results

As discussed throughout this report, the Project Area is highly disturbed as a result of development of the Newcastle CBD. During the inspection of the Project Area, there was no ground surface visibility as the entirety of the Project Area comprises built structures, as documented in images in Table 6.2. Evidence of the presence of a range of services including electrical, telecommunications, water and sewer is apparent in the road and footpath markings. Stage 3, and the northern portion of Stage 4, is located on relatively level ground along King St. The southern Portion of Stage 3 is located on a steep northern-facing slope. Buildings along the slope have at least partially been cut into as part of levelling. The completion of earthworks of this type is likely to have impacted any potential archaeological deposits that may have been present in these areas however the extent of earthworks within the Project Area cannot be clearly defined due to the presence of existing structures across much of the area.

Visual inspection confirmed that the entirety of the Project Area has been subject to historical disturbance as a direct consequence of localised urban development of the Newcastle CBD environs. Much of the former landform has been modified to accommodate this development, and as such has been significantly impacted through the construction and ongoing maintenance of the Newcastle streetscape and commercial centre. No new Aboriginal sites and/or Aboriginal objects were observed during the survey. The footprint of the existing area of PAD registered as 'Newcastle CBD PAD' (AHIMS ID#38-4-1084) was inspected in those areas where it intersected with the current Project Area. As the area was entirely covered with hardstand and/or soft landscaping, no visible evidence pertaining to the site was observed. Due to the complete lack of ground surface visibility and exposure within the Project Area, the level of effective coverage was zero.



No extant native vegetation was observed within the Project Area. Ground surface visibility across the area was nil, due to the widespread construction of soft landscaping and hardstand elements (i.e., sealed roads, kerbing and public footpaths) dominating the ground surface of the Project Area. As such, no areas of exposed soil were visible during the survey.

Description	Photograph
View to southeast along Hunter Street, in front of Stage 3.	
View to the southwest at the corner of Morgan St and Hunter St, which is the northeast corner of Stage 3 of the Project Area.	

Table 6.2Site Photographs



Description

View to northeast towards Stage 2 East End development, as viewed from Laing St. The southern edge of Stage 3 area is seen at the buildings on the right.



View towards north from the southern corner of Morgan St, which is up a steep hill. This shows Stage 3 development area.



View to northwest towards the now demolished council carpark.

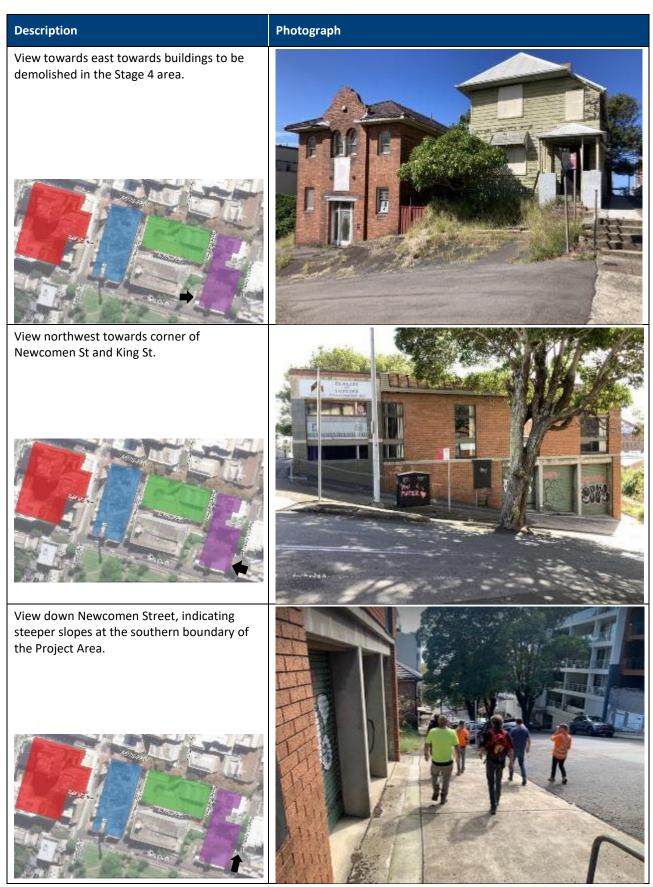














Description	Photograph
Jamie showing the model of the East End development at Iris Capital at the East End office.	



7.0 Significance Of Cultural Heritage Values

The assessment of significance is critical in establishing mitigation and management strategies for cultural heritage. Cultural significance is defined by the Burra Charter in terms of aesthetic, scientific, historic and social values. In NSW, Aboriginal cultural heritage is typically assessed according to its social and scientific significance and is assessed against archaeological criteria outlined in the *Code of Practice for Archaeological Investigations of Aboriginal Objects in New South Wales* (DECCW 2010b).

7.1 Social or Cultural Value

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

During a previous assessment of the Project Area, registered Aboriginal parties (documented in Umwelt 2009) identified that the Newcastle CBD is a very important location for Aboriginal people due to its association with key physical and spiritual aspects of Aboriginal culture, including key oral traditions relating to this region.

Consultation was undertaken as part of the on-site inspection and meeting. Members of the registered Aboriginal parties indicated a strong connection to the Project Area which is located along the Hunter River foreshore and identified the area as a culturally significant resource.

As part of the process of reviewing the first draft ACHA of the Stage 1 East End Project, Mr Peter Townsend of Awabakal Local Aboriginal Land Council indicated that the Project Area has high Aboriginal cultural significance.

Awabakal Traditional Owners Aboriginal Corporation made the following statement regarding the significance of the East End Development Area to Awabakal people:

The Newcastle area has not just a physical presence within the Cultural Heritage of the Awabakal People, but it is a part of our oral history and a place of spiritual significance. The landforms and resources of this locale fulfilled not just the basic needs that underpinned our Peoples subsistence but also satisfied the many other aspects that made up what can be described here as being part of the Cultural foundations of our People.

As already stated, this area is of high significance to our People and therefore it would be expected that after the many generations of our People that have walked the pathways of their Ancestors, it is obvious that there would be many areas that contain evidence of this connection, resulting from occupation at varying levels.



There are physical reminders left by our Ancestors which provide us as Descendants of the Awabakal People an opportunity to make a physical connection through time with our Ancestors. This connection is one of those avenues that produce in us the sense of perception, appreciation, familiarity and recognition of who we are and where we belong as Awabakal People, which is our birthright.

Therefore the Cultural Value and Significance remains high, which is attributed to our Cultural Heritage understanding of the connectivity and aspects of the regions holistic perspectives, thus emphasizing the importance of the whole, instead of a Scientific/Archaeological Value aspect of the independence of its site specific parts.

The response from Awabakal Descendants Traditional Owners Aboriginal Corporation to the Stage 1 ACHA included the following statement regarding the cultural significance of the East End Project Area:

This area, as well as all of the rest of our traditional Country, is of great significance and important to us as Awabakal as it has been part of the greater area that has provided for and shaped the beliefs and cultural practices of our People for thousands of years. All of these areas have and still play a major role in the lives of our People for many and varied reasons that draw us to focus on what it is to be an Awabakal person.

7.2 Archaeological Significance Assessment

Archaeological significance is determined by assessing Aboriginal sites/places/objects against a number of archaeological criteria as set out by the OEH in *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (2010b). The assessment of the Aboriginal archaeological significance is used to develop a series of cultural heritage management and impact mitigation strategies. The archaeological significance of the Project Area has been assessed in accordance with the legislative framework which is summarised below.

Criteria	Description
Rarity	This criterion examines the frequency of the identified site type in the local or regional landscape.
Representativeness	All sites are representative of a site type, however, some sites may be in better condition, or demonstrate more clearly a particular site type. Representativeness is based on the understanding of extant sites in the local or regional landscape and the purpose of this criterion is to ensure a representative sample of sites area conserved for future generations.
Integrity	This refers to site intactness. A site with contextual integrity can provide information relating to chronology, social systems, tool technology, site formation processes, habitation, frequency of use as well as other occupation indicators. Moderate to high levels of disturbance will generally result in low integrity.
Connectedness	Relates to inter-site relationships that are whether a site can be linked to an archaeological complex, or where sequence of activities can be discerned. For example, a quarry (stone extractions site), may be linked to an adjacent heat treatment pit and knapping floor, these site thus could be linked as part of a stone tool production sequence.
Complexity	Refers to the contents of the site, such as the variety and nature of features and/or of artefacts present. For example, rock art sites with many motifs may be ranked highly in terms of complexity, or artefact scatters with a wide variety of raw materials and/or or tool types may be more complex than surrounding sites.

 Table 7.1
 Archaeological significance assessment criteria



Criteria	Description
Research Potential	This criteria is used to identify whether a site has the potential to contribute new information with which to better understand how Aboriginal people lived within the local area or region.

7.2.1 Assessment of Archaeological Significance

The Project Area includes a recorded archaeological site: AHIMS ID#38-4-1084. Full reporting for Stage 2 has not been finalised, however RPS (2022) commented the following in relation to archaeological significance of AHIMS ID#38-4-1084 within Stage 1:

"Although a high quantity of artefacts were recovered from the archaeological investigations, the representative sample of 10,080 artefacts indicated that the largest proportion of the assemblage were fragments (over 47.59%). The high quantity of water rolled cobbles intermingled with artefactual material indicates significant spatial movement of the artefacts, likely due to tidal influences. This has likely reduced the integrity of the sub-surface deposits identified at AHIMS site 38-4-1084. PR147074-1. The assemblage is representative at a local level with a high proportion of Nobby's tuff material being utilised for stone tool production. This is similar to the nearby excavations in the Newcastle CBD area. However, there is a significantly larger quantity of artefacts recovered from the site, a low-moderate archaeological significance rating has been designated."

The significance of AHIMS ID#38-4-1084 within Stage 3 and 4 cannot be confirmed until archaeological investigation has taken place. If the archaeological deposits recovered through excavations are similar in nature to those of Stage 1 and 2, the significance may remain like that previously assessed. However, should any additional archaeological features (e.g., middens, hearths, ancestral remains) be uncovered, the significance will be heightened.

However, this site is predominantly an area of archaeological potential, containing limited numbers of Aboriginal objects recovered from very small areas of investigation. Consequently, any assessment of the archaeological significance of the Project Area is primarily based on the research potential and potential integrity of any additional archaeological deposits that may be present within the Project Area. Given that the nature of archaeological deposits (should any exist) can only be confirmed following further investigation, this assessment is based on potential values only and is closely linked to the level of potential predicted for the area.

By recovering additional artefacts following a similar methodology to the procedures of Stage 1 and 2, a comprehensive scientific assessment of AHIMS ID#38-4-1084 will be released. This site should be compared to the results of other archaeological investigations along the Hunter River foreshore, therefore allowing for a better understanding of how this area was utilised by Aboriginal people and how use of the area may have changed over time. On this basis, the Project Area is considered to have moderate to high research potential.



8.0 Impact Assessment

The purpose of this section is to identify whether the Project will result in impacts to Aboriginal cultural heritage within the Project Area. The development will involve the demolition of existing buildings (noting some street facades will be retained), bulk excavation, and development of new buildings onsite. This assessment has determined that it is likely that subsurface Aboriginal objects may be directly impacted by the Project. However, the Project involves multiple ground disturbance components, each with varying potential to impact the potential subsurface archaeological resource of 'Newcastle CBD PAD' (AHIMS ID #38-4-1084) and the similar predicted archaeological resource that extends beyond the AHIMS mapped boundary of the PAD and across the whole Project Area.

Project components and their potential to impact the archaeological resource is assessed in **Table 8.1**. The sources of potential impact directly influence management detailed in **Sections 10.0 and 11.0**. Refer to **Appendix A** for Project drawings, including plans and sections.

Project Component	Likelihood of impact to 'Newcastle CBD PAD' AHIMS ID #38-4-1084 and resource that extends across the Project Area (undisturbed sandy soil profiles)
Main Works	
Mine Grouting The Project Area is partially located in a mine subsidence risk area. Iris is required to undertake mine subsidence grouting works to infill former mine workings (approximately 80 m below the ground surface below the southwest portion of the Project Area) to ensure the stability of the Project Area during subsequent project works. Grouting works typically involve drilling bore holes (typically 115 mm in diameter) which are then cased prior to pumping grout through the boreholes to fill in areas of identified former mine workings/ subsidence risk.	These works are unlikely to impact Aboriginal objects as they will occur in existing disturbed terrain.
Perimeter retention wall In order to ensure the stability of retained heritage buildings and building facades (within the Project Area), existing neighbouring buildings and infrastructure surrounding the Project Area (and with reference to the depth of the water), it will be necessary to undertake basement retention system piling prior to bulk excavation. This will involve auguring and installing piles (typically 800 mm in diameter) around the perimeter of the Project Area to support the soil profile prior to undertaking bulk excavation (and subsequent archaeological excavations, where required).	These works are likely to cause impacts to archaeological deposits as piling will exceed the depths of anticipated archaeological deposits.

Table 8.1Potential impact types



Project Component	Likelihood of impact to 'Newcastle CBD PAD' AHIMS ID #38-4-1084 and resource that extends across the Project Area (undisturbed sandy soil profiles)
Demolition Works including building, slab and footing removal.	Unlikely to impact Aboriginal objects as works will primarily be above ground, or within disturbed fill layers (e.g. removal of prior building footings and slabs). However, there is some residual potential for impacts where natural deposits may be disturbed if adjacent to footings where machinery will be excavating and removing large structures. Overall potential to impact intact deposits is considered low.
Bulk Earthworks Blocks 3 and 4 include a three-level basement exceeding 4 m below current ground surface.	This will be the primary source of impact to the predicted archaeological deposit and would exceed past all predicted levels of archaeological deposit, thus removing all archaeological deposit within areas requiring these bulk earthworks.
Excluded Areas It is noted that the extant buildings at the corner of Hunter and Newcomen Streets are excluded from the Project Area (incorporating 103 Hunter Street (the Grand Floor Café and 16-18 Newcomen Street).	There will be no impacts to AHIMS site 38-4-1084 at these locations.
Street Works	
Street Utility Upgrades Utility upgrades in surrounding streets - including sewer, electrical, telecommunications and water (which is why the Project Area extends onto the street beyond the Stage 3 and 4 areas [refer to	Trenching for installation of watermain, comms conduits, electrical conduits are likely to have a very low risk of impacting Aboriginal objects because soil profile has previously been disturbed by the installation of existing services & building foundations.
Figure 1.1]).	However, trenching for stormwater pit and pipeline installation will involve excavations deeper than levels of existing services and known levels of ground disturbance. Such activities may impact Aboriginal objects and may require archaeological management controls.
Streetscape Upgrades Activities including demolition of existing hardstand, pavers, kerb & gutters; Grading/Cut to achieve design levels; Installation of new footpath, cycleway, kerb, gutter, AC road pavement; Installation of structural soil tree vaults; and Installation of street furniture, bollards, light poles, parking meters	These activities are highly unlikely to impact Aboriginal objects as they will either not cause ground disturbance or will involve impacts within previously disturbed contexts and/or fill layers.



9.0 Management and Mitigation Strategies

The following management and mitigation recommendations have been developed with consideration of the cultural and archaeological landscape, the cultural and archaeological significance of site 38-4-1084 and the impact of the Project on the potential archaeological resource. There are a range of management strategies that have been developed for the Project Area that include varying levels of mitigation of identified or potential harm. Strategies considered are outlined in Table 9.1.

Strategy	Details
Strategy 1 – Site Conservation	This management strategy would involve the conservation of all of the Project Area and therefore would require avoidance of all areas of high cultural sensitivity. Given that the Project Area has been recorded as an archaeological site primarily based on its archaeological potential, it is not archaeologically justifiable to recommend a conservation outcome when the extent and nature of any archaeological deposits has not yet been characterised. During consultation, the registered Aboriginal parties involved in this assessment did not identify the need for a conservation outcome based on current evidence.
Strategy 2 – Further Investigation and Destruction	Strategy 2 involves undertaking further investigation to clarify the nature, extent and significance of the archaeological deposits within the Project Area. As discussed in this report, the Project Area is located within an archaeological site recorded primarily based on its archaeological potential. The completion of further investigations (in the form of test excavations) will provide information with which to more accurately assess the significance of the Project Area based on the nature and extent of any archaeological deposits that may be identified.
	In relation to the current Project, it is not possible to undertake these further investigations as test excavations under the provisions of the Code of Practice due to the requirement to undertake mechanical excavations to remove modern building material, the requirement to undertake historical archaeological investigations (which require the completion of mechanical excavation in the first instance) and the need to remove substantial amounts of fill overlying the natural soil profile which may contain less disturbed archaeological deposits. During consultation, the registered Aboriginal parties involved in this assessment identified
	that this was considered an appropriate management strategy from an Aboriginal cultural perspective.
	Additional activities such as surface collection of visible artefacts, further controlled excavation or observation of works in order to opportunistically salvage archaeological materials that may become visible may also be warranted.
	As discussed above, while the Project Area has been identified as a potential archaeological deposit, the nature and extent of the deposit that may be present has not yet been adequately investigated or categorised. The implementation of Strategy 2 (outside the provisions for test excavation under the Code of Practice) will provide further information with which to determine whether the nature, extent and significance of the archaeological deposit within the Project Area warrants further excavation to retrieve a representative sample of the local archaeological deposit.
Strategy 3 – Destruction without Salvage	Strategy 3 would involve proceeding with the Project and the subsequent disturbance to any cultural material that may be present in the vicinity of the Project Area without any further salvage (this applies to Streetscape works and is discussed below).

Table 9.1	Potential Management and Mitigation Strategies.



10.0 Recommendations

10.1 Aboriginal Party Recommendations

The primary recommendation from Aboriginal Groups, thus far, is that Aboriginal archaeological management should occur in accordance with methodologies developed for Stage 1 and 2 ACHAs. The methodologies presented in **Section 11.0** are generally consistent with those presented in the Stage 1 and 2 ACHAs.

10.2 Recommended Mitigation and Management

An area wide application for an Aboriginal Heritage Impact Permit (AHIP) should be sought and should include provision for the completion of archaeological investigation within the Project Area. The process of Aboriginal archaeological works must coincide with the development process as summarised in Table 10.1, and taking into consideration that historical (non-Aboriginal) archaeological investigations will be undertaken prior to -and potentially concurrently with- Aboriginal cultural heritage investigations. The AHIP conditions should reference the detailed management measures (refer to **Section 11.0**).

-	
Phase of development works	Aboriginal cultural heritage management summary
Main Works	
Mine Grouting Works	Due to the confined nature of mine grouting works (a borehole) into previous disturbed (mined) voids, as with the approved methodology for Stages 1 and 2 of the East End Project, mines drilling and grouting both internal and external to the site can proceed subject to an Unexpected Finds Procedure.
Perimeter retention wall	Due to the confined nature of perimeter retention wall (strip of 800 mm width), as with the approved methodology for Stages 1 and 2 of the East End Project, these works (including dewatering) can proceed subject to the Unexpected Finds Procedure provided in Section 11.7 .
Demolition Works	Demolition of all extant twentieth century buildings, ground slabs (including removal of inground footings of the buildings) and removal of fill, is to proceed without Aboriginal cultural heritage management until slab and in-ground footing removal (of the extant twentieth century buildings) commences. The in-ground footing removal is the last phase of demolition works and will be monitored by the historical archaeological team (in accordance with any Heritage NSW approval required). If potential historical archaeological remains are identified during the monitoring, historical archaeological investigation would be undertaken in accordance with the appropriate approvals. If Aboriginal cultural material is identified in a disturbed context this material can be collected subject to the Aboriginal General Collection protocols (as per Section 11.2.1 Error! Reference source not found.). Any intact remnant soil profiles are to be avoided by historical archaeological works (providing they do not contain potential historical relics) and development works until Aboriginal archaeological excavation is completed.

 Table 10.1
 Development Stage and Summary of Corresponding Archaeological Works



Phase of development works	Aboriginal cultural heritage management summary
Phase 1 of Archaeological Excavation Works following demolition works	Phase 1 archaeological excavation will aim to sample up to 1% of the Project Area where intact soil deposits are detected. It is expected this will involve the excavation of thirty 1 m x 1 m excavation units across the Stage 3 and 4 development areas (blocks). If required, 1 m x 2m excavation units (as opposed to 1 m x 1m excavation units) will be used to help prevent wall collapse within excavation units.
Phase 2 of Archaeological Excavation Works (expansion)	Pending the results of Phase 1 excavations, one to three of the initial excavations units will be subject to expansion (either horizontal expansion, or deep excavation with shoring boxes).
Bulk excavation and development of new buildings on site	Bulk excavation (e.g., excavation for basements), must not proceed until all archaeological excavations in accordance with an AHIP are completed.
Street Works	
Street utility upgrades (including sewer, electrical, telecommunications and water). Streetscape upgrades	These works will be conducted in confined trenches and primarily within existing disturbed subsurface profiles. The residual potential for intact archaeological deposits beneath existing utilities cannot be managed in an archaeologically controlled manner due to confined spacing and WHS considerations. As such, archaeological management of these works are not proposed. Refer to Section 11.4 for further details and discussion.
and Landscaping	Works can proceed provided in the Unexpected Finds Procedure provided in Section 11.7.



11.0 Management Methodologies

11.1 Archaeological Methodologies and AHIP Conditions

Iris Land Pty Ltd should apply to Heritage NSW for an AHIP in accordance with Section 90 of the NPW Act, with this AHIP to cover the entirety of the Project Area (as shown in Figure 1.1). The AHIP should cover the entirety of the Project Area as it is within the bounds of an archaeological site (AHIMS site 38-4-1084) which was identified primarily based on its archaeological potential and this level of potential extends across the Project Area. The AHIP should include provision for the completion of archaeological investigations detailed below.

11.2 Main Works Methods

11.2.1 General Community Collection

After demolition, mines grouting, basement retention wall works, project RAPs are to be offered the opportunity to collect any visible artefacts across the Project Area. Additionally, any identified artefacts detected during works, outside of the Aboriginal archaeological excavation program (such as during historical archaeological monitoring as summarised in Table 10.1), can be collected from site by qualified archaeologists and Aboriginal site officers complying with the Projects EHS and Workplace requirements. The location of artefacts are to be documented according to the following method:

- 1. Stone artefacts will be flagged on the ground and a photo taken of the flagged site. Each flagged artefact or cluster of artefacts within a 5 m radius will be marked as a waypoint in the GPS.
- 2. All artefacts will be collected into snap lock plastic bags or similar, marked with the project name, site name, collection date and waypoint number.
- 3. The collected artefacts will be incorporated into the excavation reporting described in Section 11.3.

Unless a rare artefact (based on raw material or type) is collected, these artefacts do not need to be subject to detailed artefact analysis. The artefacts are to be placed in the same storage conditions as those recovered from archaeological excavations.

11.2.2 Phase 1 of Archaeological Excavation

Subsequent to demolition, mines grouting, basement retention wall works (including dewatering), test excavation works can commence. Works be undertaken at a sample of up to 1 percent of the total area where the Project will require ground surface disturbance at depths below fill deposits and historical archaeological features and where areas of A horizon soils remain present above the level of the pre-existing groundwater level. It is expected this will involve the excavation of fifteen 1 m x m excavation units across the Project Area (resulting in a total of thirty 1 m x 1 m units). 1 m x 2 m excavation units (as opposed to 1 m x 1 m excavation units) may be used to help prevent collapse of the walls of the Project Area. Each 1 m x 1 m pit will be divided into quadrants if of 50 cm x 50 cm excavated in either 10 cm spits or stratigraphically (whichever is the smaller unit of the two).



The works will focus within the development areas and not within the road corridors to ensure the works are not subject to traffic control conditions and enough time can be dedicated to appropriate archaeological management (methods for street utility works are provided in **Section 11.4**. The sampled locations will be selected by the archaeologist and in consultation with Aboriginal party representatives to ensure adequate coverage of the area of archaeological potential. The location of the excavation units will depend on subsurface disturbance, the extent of which will only be realised following demolition works.

Excavations undertaken manually or mechanically to a maximum safe depth of 1.2 m and then, if required, mechanically beyond this depth but within limits where the integrity of excavation results are not compromised (for example, mechanical excavation will be discontinued if there is potential for collapse of trench walls). No person will enter excavations beyond the safe depth nominated above.

Excavations will cease where one or more of the following criteria are established:

- B horizon deposits or the water table are encountered.
- It is deemed unsafe to continue to excavate because of risk of collapse.
- Where the depth of project impacts has been reached.

The pits are to be thoroughly documented with drawings and photographs to be undertaken for each pit. Munsell soil samples are to be taken from each clearly defined stratigraphic layer.

Optically Stimulated luminescence (OSL) dating samples should be taken across the Project Area. Some (or all) of these samples should be sent-off for analysis in an appropriate facility, to help provide a chronological framework in which to interpret the site. Any available radiocarbon samples should also be collected during works and considered for analysis at an appropriate facility to interpret the chronology of the site.

Excavated material (in undisturbed contexts) should be collected using 5-millimetre mesh sieves. Where deemed necessary by the archaeologist, based on the size or nature of archaeological material recovered, 3-millimetre mesh sieves will be utilised.

If features (including hearth or heat treatment pit or an accumulation of animal bone or shell and the like) likely to relate to Aboriginal cultural activities are identified, the feature will be excavated in accordance with the below:

- The surface of the feature will be cleaned by hand (using trowels, hand shovels and brushes as required) to allow the edges of the feature to be identified.
- The feature will then be excavated in cross-section (half-sectioned or part thereof depending on the location of the feature within the excavation unit and whether it extends outside the excavation unit) to investigate the dimensions and orientation of the feature to more accurately assess whether it is a cultural feature or the result of natural process (for example, a burnt tree root/stump or accumulation of bone within a former void). The excavation will proceed according to the stratigraphy (if any) of the in-filling materials.
- If it is identified as a feature, it will be photographed in cross-section and a stratigraphic profile of the cross-section will be recorded (where possible).



- If it is identified as a feature, it will then be excavated in its entirety within the excavation unit. All excavated cultural materials (including those from original cross-sectional excavation) will be retained for analysis and samples of relevant materials will be sent for additional analysis, including radio-carbon dating. If the feature extends outside the excavation unit, it will be further assessed whether excavation should continue into the adjoining area. This will be considered with reference to the need to maintain the integrity of the feature during excavation and/or backfilling if required.
- Following the removal of all in-filling material, the remaining cut feature (where present) will be planned to scale and photographed.

Following this excavation can resume in the remaining portion of the excavation unit.

11.2.3 Phase 2 of Archaeological Excavation

Following the initial excavation of at least thirty 1 m x 1 m test units (fifteen 1 m x 2 m test units) as specified for Phase 1, further expansion of up the three of the 1 m x 2 m test unit areas is to be decided.

The need for Phase 2 works can only be determined based on the results of Phase 1 archaeological investigations. Phase 2 works will be undertaken to best gather a representative sample to allow for the adequate interpretation of the Project area and to facilitate comparison with the outcomes of previous excavations in the local area.

Expansion should be based on where the artefact density is highest, or where uncharacteristic artefact types (e.g., grindstones, hammerstones, ground edge artefacts), uncharacteristic artefact materials, archaeological features (e.g., compact shell midden material or features such as hearths or heat treatment pits) or where archaeological deposits may continue below 1.2 m from surface of test excavation.

Expansion can occur vertically (if the excavation should continue below 1.2 m depth via shoring boxes) or horizontally (the expansion of test units north/south/east/west). Horizontal expansion in this manner should not exceed an additional 20 m² without being subject to further discussion with Heritage NSW.

Collapsed soil from the installation of shoring or expansion (both during Phase 1 and 2 excavation) is to be treated as a single context. These areas of collapse are to be sieved for artefacts, but unless a rare artefact (based on raw material or type) is collected, artefacts from these contexts can be excluded from detailed analysis due to not holding stratigraphic integrity.

Following the completion of Phase 2 excavations to the scope set out in this section (or Phase 1 excavations if Phase 2 works are not required), construction works may proceed with no further archaeological works (noting requirements for the management of human skeletal material will still apply). However, if 20 m² of Phase 2 excavations has been reached, and through further in-field consultation with RAPs and Heritage NSW it is determined that further excavation is required to respond to highly significant archaeological finds, then no project development works will proceed until these additional matters are resolved with written confirmation received from Heritage NSW.



11.3 Post-Excavation Reporting

11.3.1 Interim Excavation Reporting

Following the completion of Phase 1 and 2 excavations, a short preliminary excavation report will be compiled. As a minimum, this report will provide a plan showing excavation location and a description of the excavated material including categorisation of any shell midden material and the numbers of artefacts per excavation unit, raw materials and artefact classes. The report will also document the outcomes of infield consultation with Aboriginal parties regarding the Aboriginal cultural significance of the identified deposits. This information will allow for a preliminary evaluation of the archaeological and cultural significance of the identified significance of deposits and will be lodged with AHIMS as an interim report to assist our understanding of the archaeological record of the Newcastle CBD while comprehensive reporting is being undertaken.

11.3.2 Comprehensive Post-Excavation analysis and Reporting

Following the completion of all works under the AHIP, a report will be prepared detailing the outcomes of the investigations. The report will describe the nature and distribution of Aboriginal archaeological evidence identified within the Project Area. Cultural material will be subject to analysis in accordance with the protocols outlined below.

Stone Artefacts

All stone tools and artefacts recovered under the provisions of the AHIP will be analysed with reference to artefact distribution, density, artefact and raw material variability, typological dates and the possible type of activities undertaken across the Project Area. To allow comparison to the artefacts recovered in East End Stage 1 and 2 of excavations, the methodology for analysis should follow that prescribed by RPS (2022). Due to the large quantity of artefact retrieved through the excavation found during East End Stage 1, a representative sample of 1080 artefacts were analysed (56-59% of the total assemblage Stage 1) (RPS 2020, p. 1). Depending on how many artefacts are recovered from East End Stage 3 and 4 excavations, it may be applicable to also assess a similar representative sample of artefacts only from Stage 3 and 4.

Contextual information for each artefact (date, excavation unit, quad and spit) will be catalogued for each artefact. Other attribute categories to be included in the catalogue and analysis will be count, raw material, artefact type, specialisation, termination, complete, cortex, dimensions (length, width, thickness and weight) heated, use wear and retouch.

Midden Material

Shell midden material (including any animal bone) will be weighed. Dependent on the scale of recovered material, a sample of the shell midden material would be recorded and analysed. For the analysed sample, the following features will be recorded (as a minimum):

Material (by weight):

- Shell
- Bone
- Organics



- Charcoal
- Species.

The report will discuss site formation and post depositional processes where relevant to interpreting the nature of the evidence and use of the area by Aboriginal people. The report will include digitised photographic records, excavation results and outcomes of analysis (where undertaken). The report will also reassess the significance of the identified archaeological evidence. The report will be prepared in consultation with the registered Aboriginal parties and will be submitted to Heritage NSW.

11.4 Unmitigated Impacts: Streetscape and Street Utility Upgrades

The nature of potential impacts from street utility upgrades (i.e., largely narrow and linear from trenching), teamed with both safety and practical constraints (e.g. proposed trenching will require road closures, traffic and pedestrian management and trenches cannot be entered physically due to exceedance of anticipated safe depth/s) and existing high levels of previous disturbance, means that a systematic archaeological approach to management is unfeasible and would yield limited informative results. As such, there is validity to the argument that systematic archaeological salvage within these areas is not only unfeasible, but largely not warranted given the highly limited potential of gathering new information not already obtained from the previous archaeological salvage programs undertaken within the Newcastle CBD (e.g. Douglas, Tucker and Steel 2001; Umwelt 2021, RPS 2022) that were afforded much less constrained and restrictive investigation boundaries than the current Project.

Furthermore, the archaeological Phase 1 and 2 excavations presented in this ACHA represent an archaeologically controlled mitigation measure that is the preferred method to manage the potential cultural resource within the Project Area. Accordingly, works associated with streetscape and street utility upgrades do not require archaeological management, except if archaeological material is identified through the Unexpected Finds Procedure – in this instance, the procedure in **Section 11.7** will be followed.

11.5 Management of Cultural Materials

All archaeological material would be temporarily stored at Umwelt's Head Office:

75 York Street Teralba NSW 2284

An appropriate option for long-term managed of cultural materials will be determined in consultation with the registered Aboriginal parties following the completion of final reporting.

11.6 Heritage Induction

Iris Land should ensure that its employees and contractors are aware that it is an offence under Section 86 of the NPW Act to harm or desecrate an Aboriginal object unless that harm or desecration is the subject of an Aboriginal Heritage Impact Permit (AHIP).



11.7 Unexpected Finds Procedures

If any Aboriginal objects are identified by site contractors during works (outside of archaeological investigations), the site worker is to contact the principal archaeologist and the Local Aboriginal Land Council to collect the artefacts in accordance with the Aboriginal General Community Collection process outlined in **Section 11.2.1** above.

The AHIP should specifically exclude impacts to human skeletal material.

Should human/possible human skeletal material (single bones or an intact burial) be located within any excavated area, no works may proceed in the immediate vicinity of the skeletal remains. An appropriate demarcation of the no-works area will be developed by the archaeologist and registered Aboriginal party representatives. Further consultation will be undertaken with Heritage NSW and registered Aboriginal party representatives to determine an appropriate course of action for the specified area. It may be necessary to contact local police.

Any skeletal remains uncovered during archaeological investigation works approved to be removed will be removed in a sensitive and dignified manner. Controlled excavation and removal by the site archaeologists and other appropriate specialists (forensic anthropologist, Aboriginal stakeholders, New South Wales Police Force, as appropriate) will be undertaken in accordance with Heritage NSW Guidelines (*Skeletal Remains: Guidelines for the Management of Human Skeletal Remains under the Heritage Act 1977*) and any requirements of Heritage NSW.

A site-specific management policy for the removal of any potential human skeletal remains uncovered within the proposed Project Area during archaeological investigation should be developed, in consultation with a physical anthropologist, Heritage NSW and Project RAPs. The management policy would need to consider the issues detailed in Heritage NSW Skeletal Remains Guidelines. These issues include:

- Excavation issues including personnel who may need to be required, Occupational Health and Safety and recording.
- Access issues including limited access, security and public and professional participation.
- Management issues including management during excavation and analysis, publicity, interpretation, ongoing curation of recovered materials and professional access to data.
- Re-interment and commemoration.

Should evidence of 'contact' archaeology be identified (e.g., European materials such as glass or ceramic utilised to make traditional tools, and/or broken brick/earthenware used as hearth retainers etc), excavation activities in the area must cease immediately. The project archaeologist, once having consulted with RAP field representatives of the find, must then notify the project manager, who in turn must notify Heritage NSW.

• Should historical archaeological remains, features or distinct historical fill lenses be observed at any stage during Phase 1 activities, excavation would immediately cease. The project archaeologist (or a qualified historical archaeologist, if required) would then record the find and determine the nature and extent of any associated deposit in accordance with any approval under S140 of the Heritage Act.



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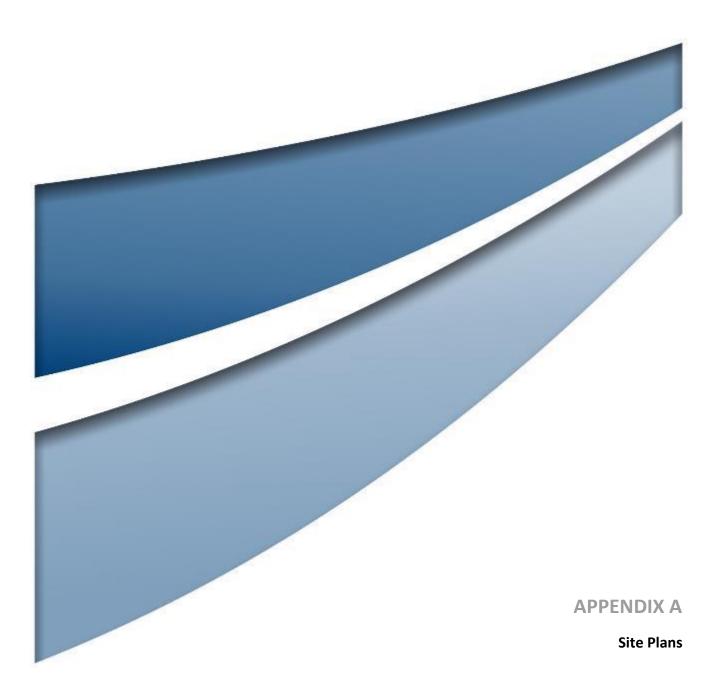
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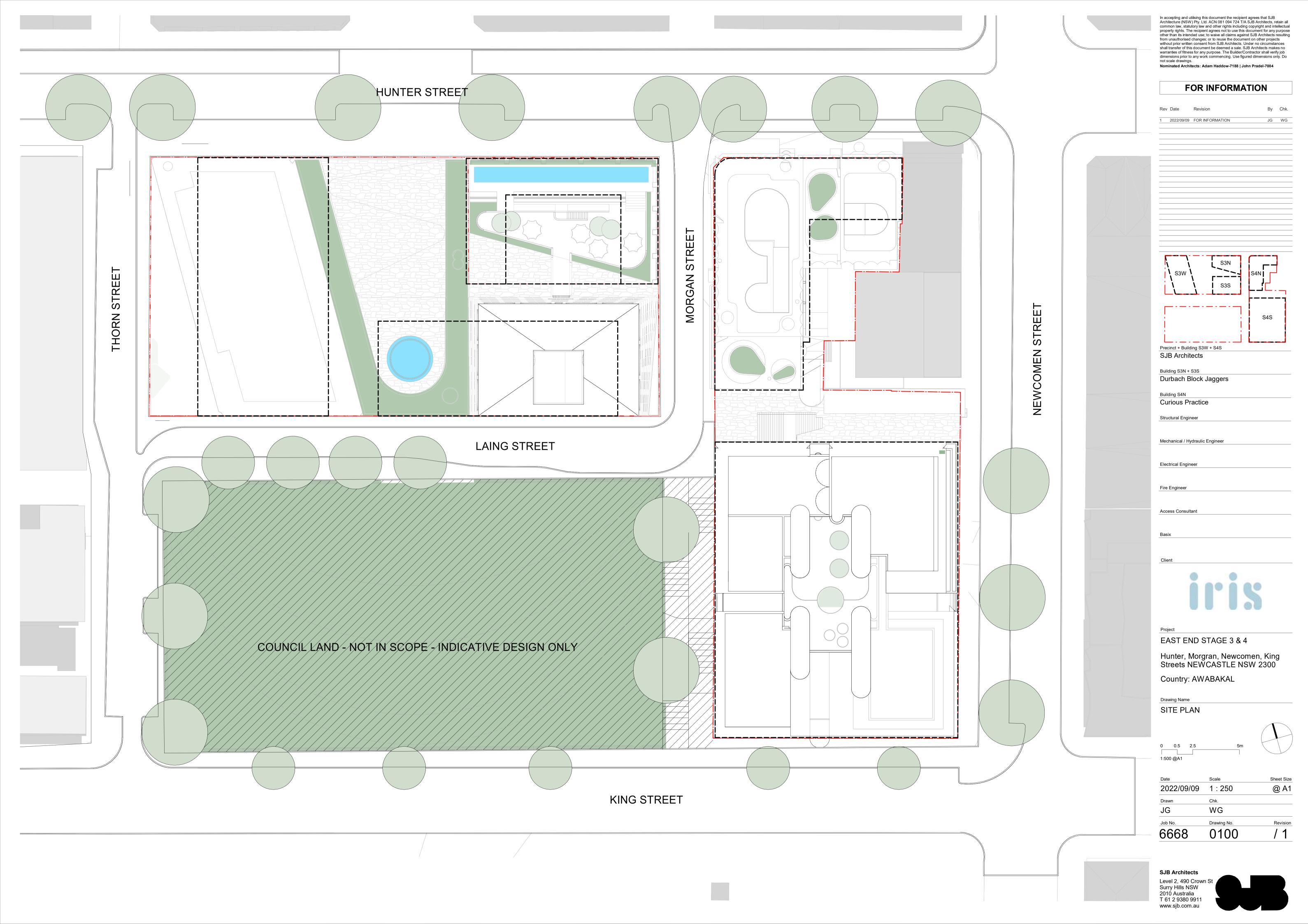
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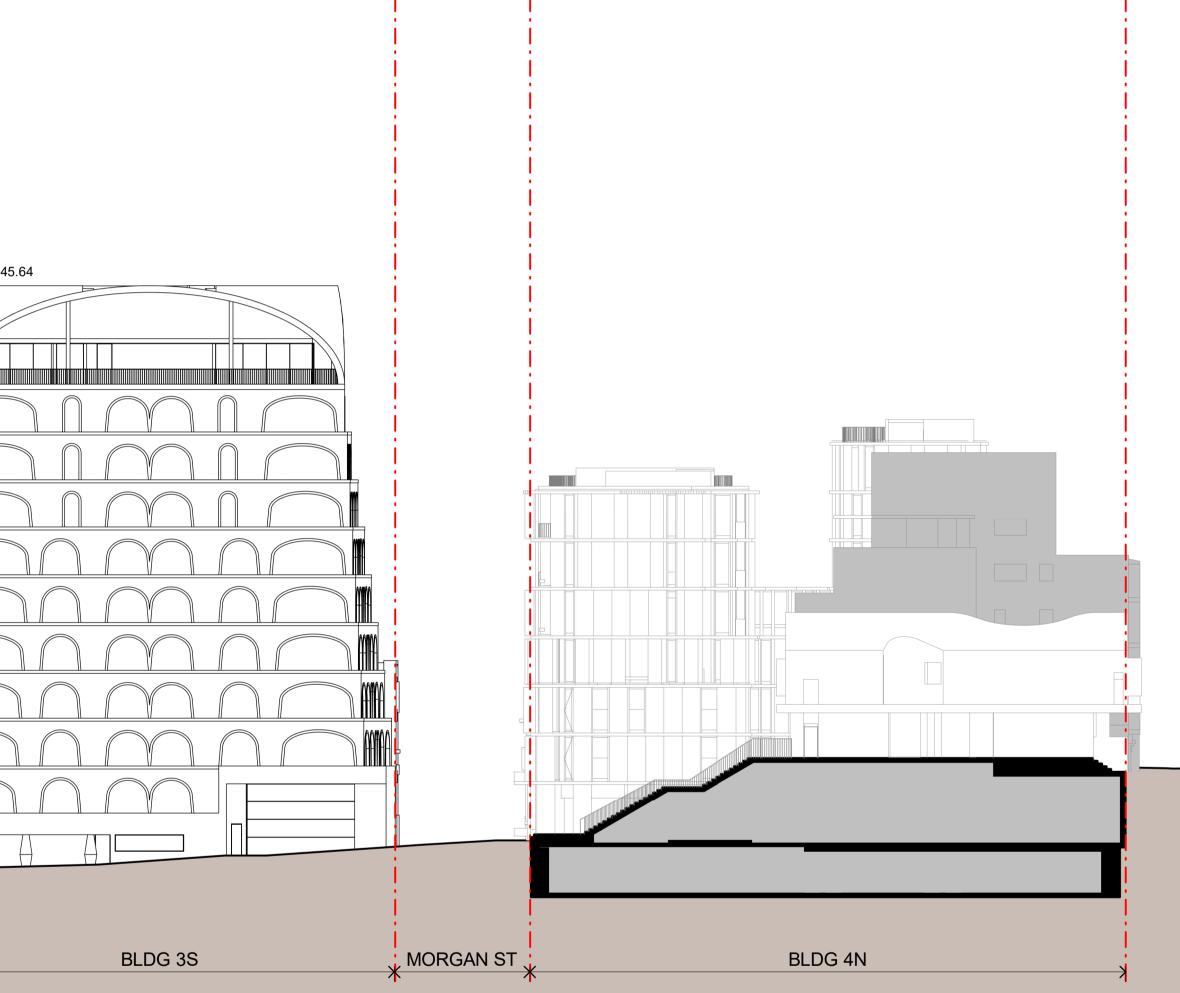
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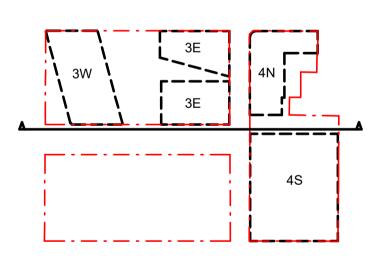
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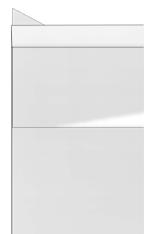
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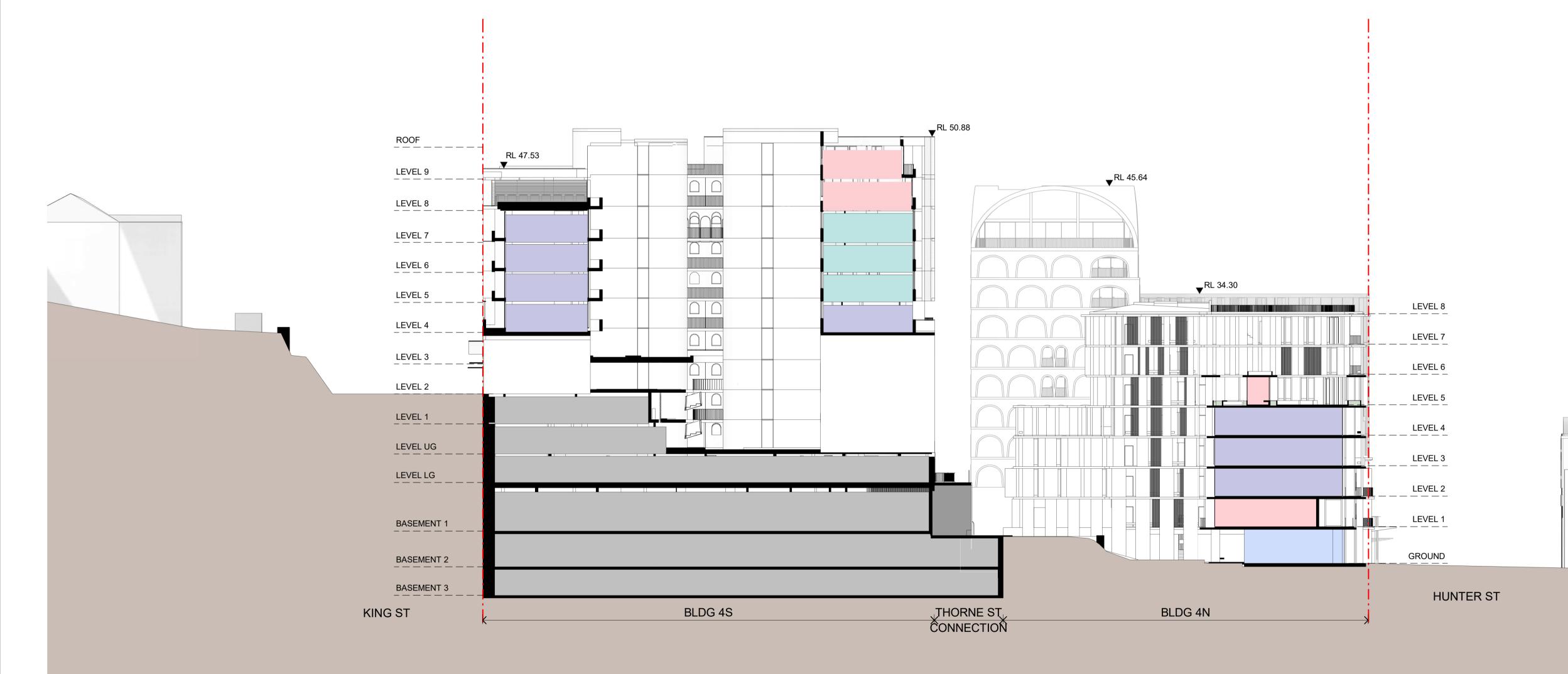
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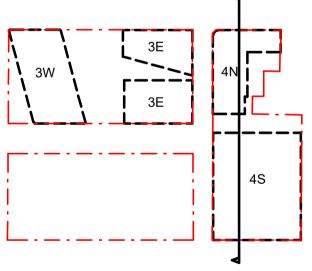


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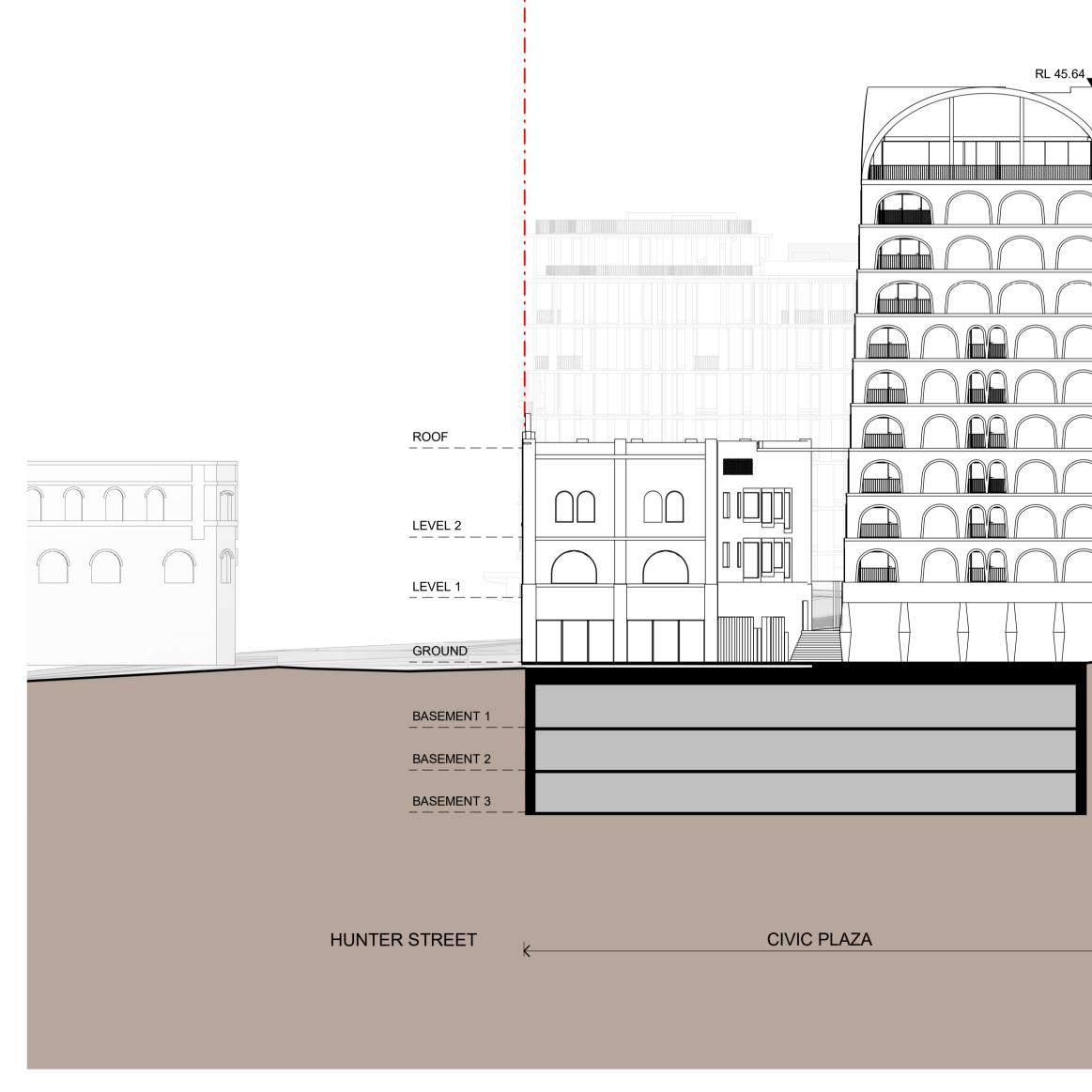
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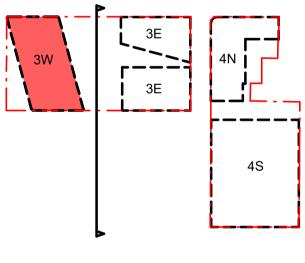


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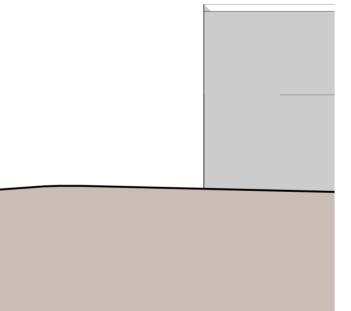


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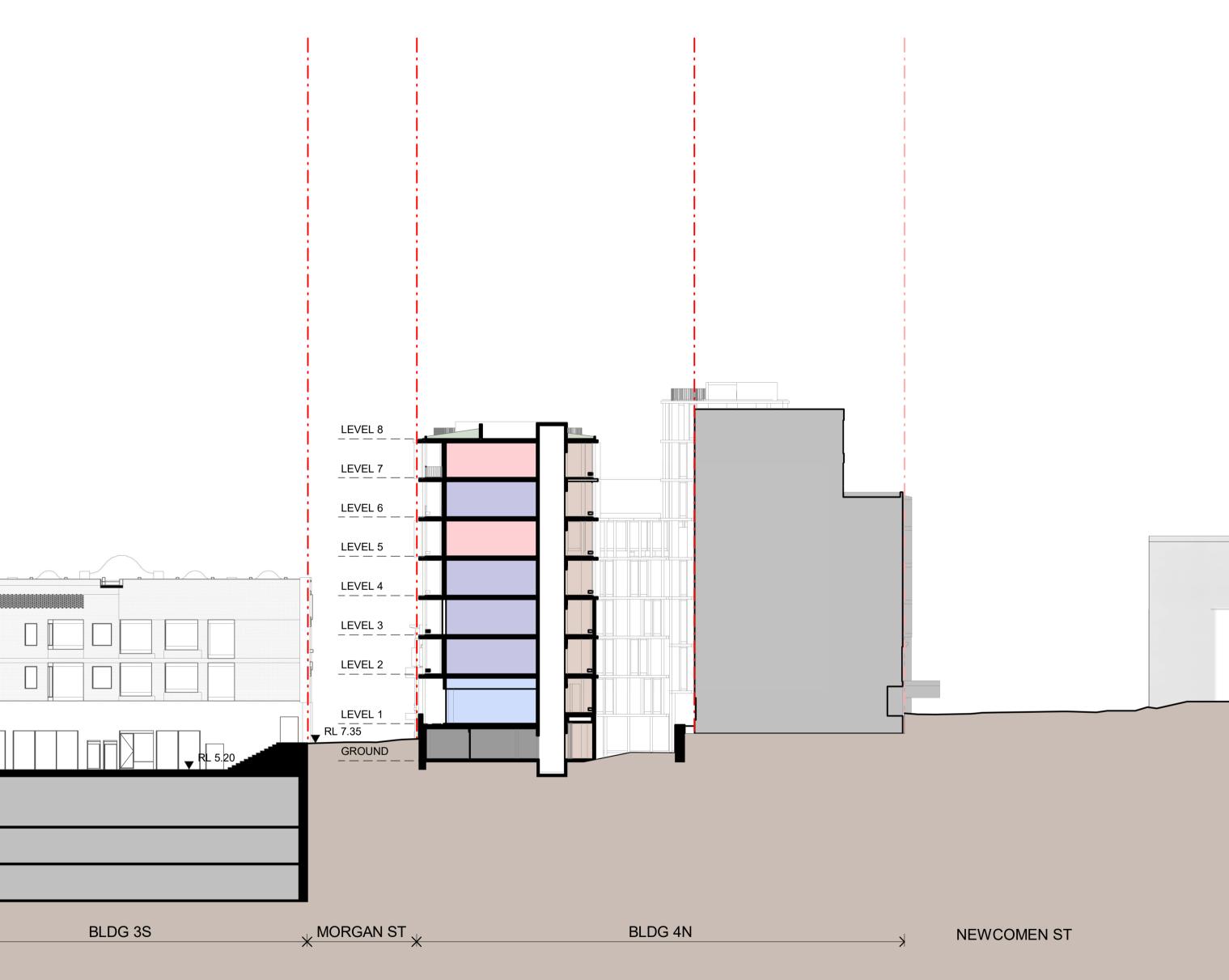
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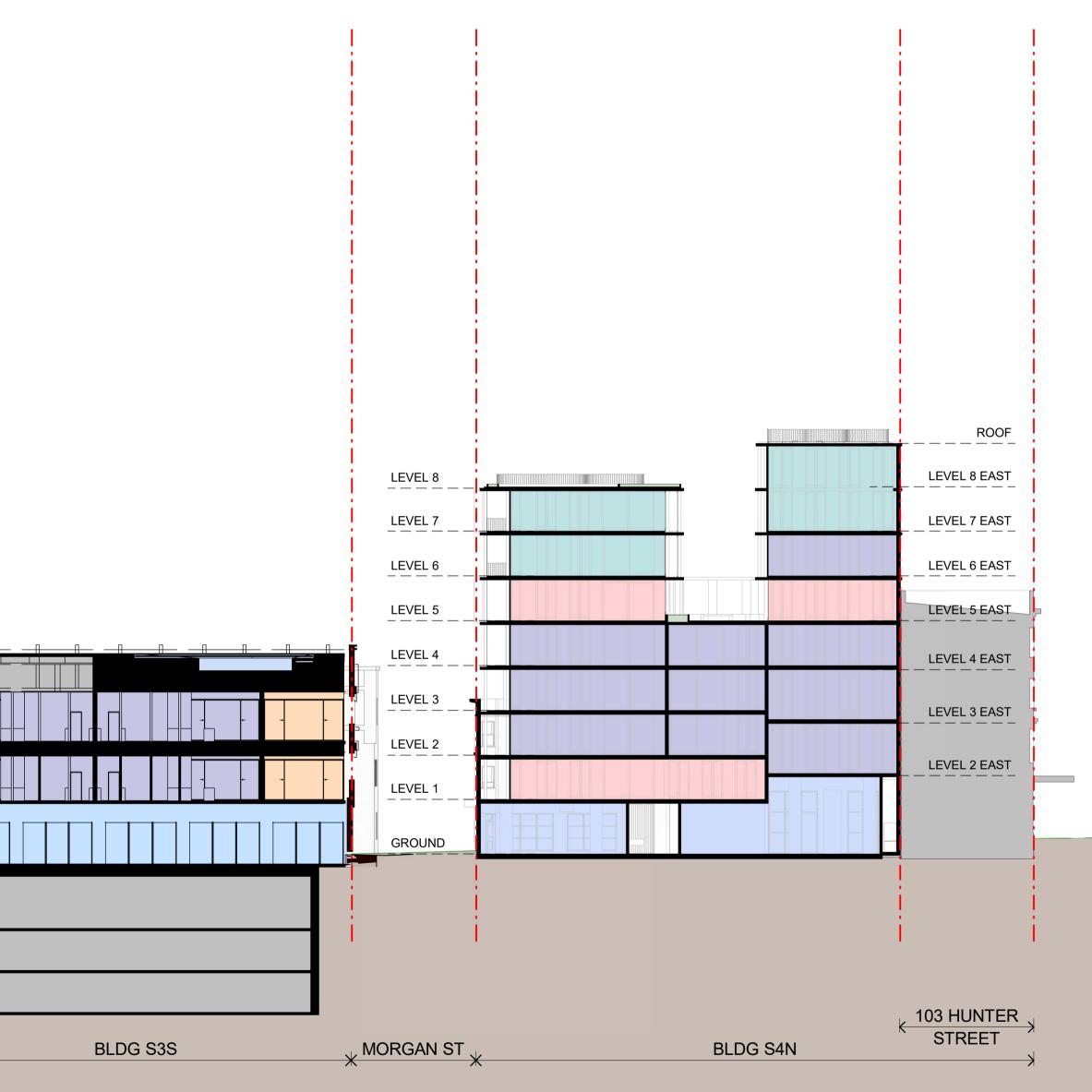
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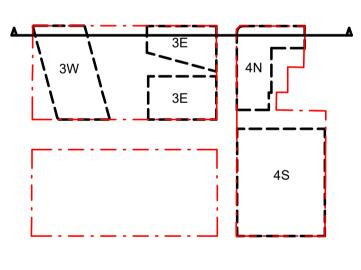
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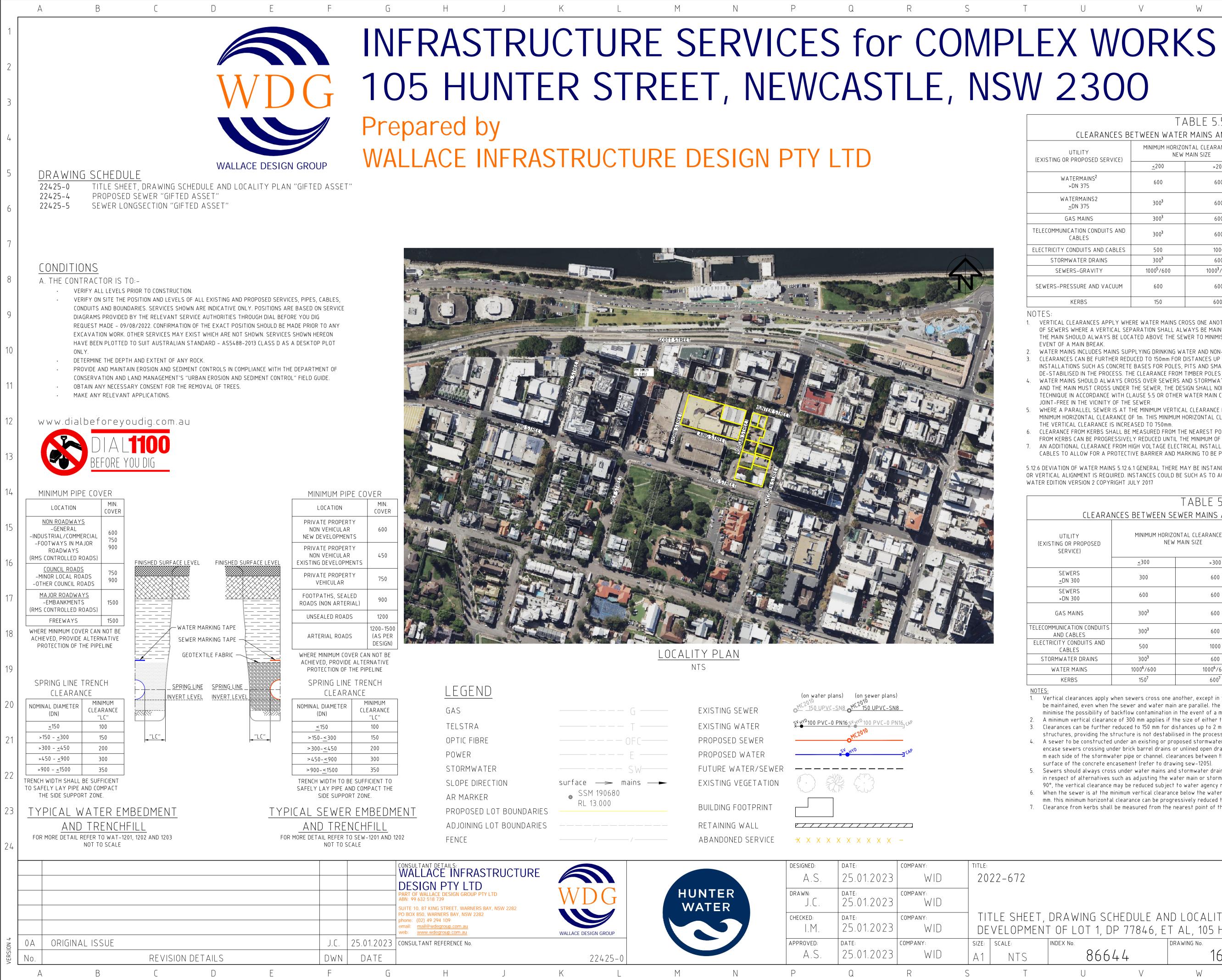
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PLOTTED BY:- AARON DATE:- 25 January 2023 7 49 AM FILENAME:- \\192.168.15.250\DATA\PROJECTS\2022\22425 - EAST END STAGES 3 & 4 - 105 HUNTER STREET, NEWCASTLE\CAD\TITLE\22425_EAST END STAGE 3&4 [CW]

			DESIGNED:	DATE:	COMPANY:	TITLE:		
RE			A.S.	25.01.2023	WID	20	22-672	
	WDG	HUNTER WATER	DRAWN: J.C.	date: 25.01.2023	company: WID			
	WALLACE DESIGN GROUP		checked:	date: 25.01.2023	company: WID		TLE SHEET, VELOPMEN	
			APPROVED:	DATE:	COMPANY:	SIZE:	SCALE:	INDEX No.
	22425-0		A.S.	25.01.2023	WID	A1	NTS	
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(EXISTING OR PRO WATER

> WATER <DN

GAS TELECOMMUNICAT CAE

ELECTRICITY COND STORMWA SEWERS

SEWERS-PRESSU

NOTES: VERTICAL CLEARANCES APPLY WHERE WATER MAINS CROSS ONE ANOTHER AND OTHER UTILITY SERVICES. EXCEPT IN THE CASE OF SEWERS WHERE A VERTICAL SEPARATION SHALL ALWAYS BE MAINTAINED, EVEN WHEN THE MAIN AND SEWER ARE PARALLEL THE MAIN SHOULD ALWAYS BE LOCATED ABOVE THE SEWER TO MINIMISE THE POSSIBILITY OF BACKFLOW CONTAMINATION IN THE EVENT OF A MAIN BREAK.

WATER MAINS INCLUDES MAINS SUPPLYING DRINKING WATER AND NON-DRINKING WATER (REFER TO DRAWING WAT-1810 CLEARANCES CAN BE FURTHER REDUCED TO 150mm FOR DISTANCES UP TO 2m WHERE MAINS ARE TO BE LAID PAST NSTALLATIONS SUCH AS CONCRETE BASES FOR POLES, PITS AND SMALL STRUCTURES, PROVIDING THE STRUCTURE WILL NOT BE DE-STABILISED IN THE PROCESS. THE CLEARANCE FROM TIMBER POLES SHOULD BE AT LEAST 200mm AND PREFERABLY 300mm. WATER MAINS SHOULD ALWAYS CROSS OVER SEWERS AND STORMWATER DRAINS. FOR CASES WHERE THERE IS NO ALTERNATIVE AND THE MAIN MUST CROSS UNDER THE SEWER, THE DESIGN SHALL NOMINATE AN APPROPRIATE TRENCHLESS CONSTRUCTION TECHNIQUE IN ACCORDANCE WITH CLAUSE 5.5 OR OTHER WATER MAIN CONSTRUCTION AND PROTECTION TREATMENT, EFFECTIVELY JOINT-FREE IN THE VICINITY OF THE SEWER.

WHERE A PARALLEL SEWER IS AT THE MINIMUM VERTICAL CLEARANCE LOWER THAN THE WATER MAIN (500mm), MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 1m. THIS MINIMUM HORIZONTAL CLEARANCE CAN BE PROGRESSIVELY REDUCED TO 600mm AS THE VERTICAL CLEARANCE IS INCREASED TO 750mm. CLEARANCE FROM KERBS SHALL BE MEASURED FROM THE NEAREST POINT OF THE KERB. FOR WATER MAINS DN 375 CLEARANCES

5.12.6 DEVIATION OF WATER MAINS 5.12.6.1 GENERAL THERE MAY BE INSTANCES WHERE A DEVIATION FROM THE UNIFORM HORIZONTAL OR VERTICAL ALIGNMENT IS REQUIRED. INSTANCES COULD BE SUCH AS TO ACHIEVE THE REQUIRED DEPTH FOR VALVES AND HUNTER WATER EDITION VERSION 2 COPYRIGHT JULY 2017

UTILITY (EXISTING OR PF SERVICE) SEWERS <u>-</u>DN 300 SEWER >DN 300 GAS MAIN ELECOMMUNICATIO AND CABL ELECTRICITY CONI CABLES STORMWATER

WATER MA KERBS NOTES: 1. Vertical cleara be maintained minimise the p

2. A minimum ver 3. Clearances ca structures, pr

4. A sewer to be encase sewer m each side of

surface of the concrete encasement (refer to drawing sew-1205). 5. Sewers should always cross under water mains and stormwater drains. if this requirement cannot be met, consult the water agency in respect of alternatives such as adjusting the water main or stormwater drain, where a sewer crosses a water main at or close to 90°, the vertical clearance may be reduced subject to water agency requirements.

6. When the sewer is at the minimum vertical clearance below the water main (500 mm) maintain a minimum horizontal clearance of 1000

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	ΤA	ABLE 5.5	
CLEARANCES BI	ETWEEN WATEF	R MAINS AND UNDE	R GROUND SERVICES
UTILITY OR PROPOSED SERVICE)		NTAL CLEARANCE mm MAIN SIZE	MINIMUM VERTICAL CLEARANCE mm
SINT NOT USED SERVICE	<u>~</u> 200	>200	
WATERMAINS ² >DN 375	600	600	300
VATERMAINS2 <u><</u> DN 375	300 ³	600	150
GAS MAINS	300 ³	600	150
NICATION CONDUITS AND CABLES	300 ³	600	150
Y CONDUITS AND CABLES	500	1000	225 ⁷
RMWATER DRAINS	300 ³	600	15 0 ⁴
WERS-GRAVITY	1000 ⁵ /600	1000 ³ /600	5004
PRESSURE AND VACUUM	600	600	300
KERBS	150	600 ⁶	150 (WHERE POSSIBLE)

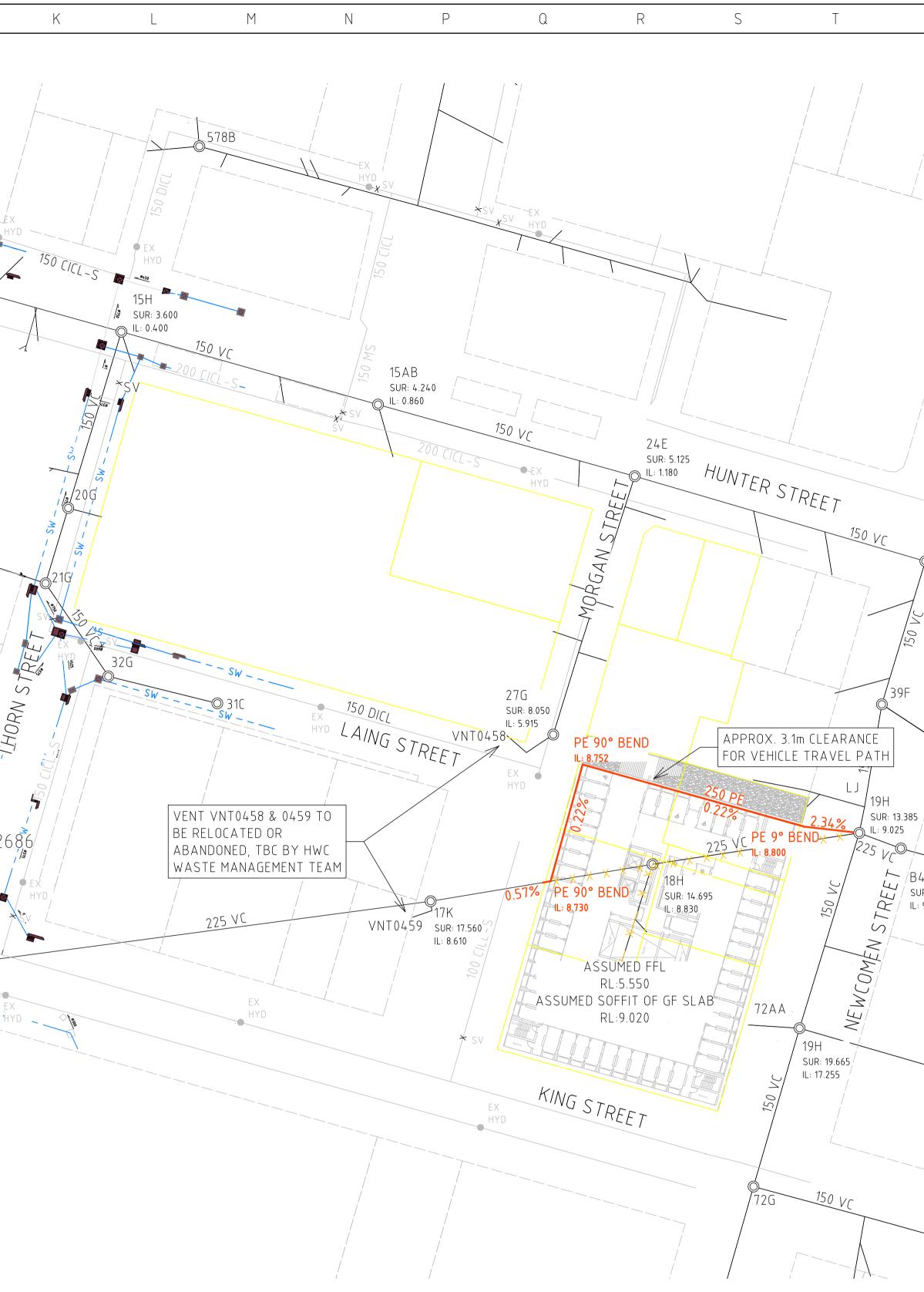
FROM KERBS CAN BE PROGRESSIVELY REDUCED UNTIL THE MINIMUM OF 150mm IS REACHED FOR MAINS DN 200. 7. AN ADDITIONAL CLEARANCE FROM HIGH VOLTAGE ELECTRICAL INSTALLATIONS SHOULD BE MAINTAINED ABOVE THE CONDUITS OR CABLES TO ALLOW FOR A PROTECTIVE BARRIER AND MARKING TO BE PROVIDED.

Y 'ROPOSED E)		TAL CLEARANCE MM AIN SIZE	MINIMUM VERTICAL CLEACANCE MM
	<u>-</u> 300	>300	-
S 0	300	600	150
S 0	600	600	300
INS	300 ³	600	150
ON CONDUITS LES	300 ³	600	150
IDUITS AND S	500	1000	2257
DRAINS	300 ³	600	15 0 ⁴
AINS	1000 ⁶ /600	1000 ⁶ /600	5004
5	150 ⁷	600 ⁷	N/A

mm. this minimum horizontal clearance can be progressively reduced to 600 mm as the vertical clearance increases to 750 mm. 7. Clearance from kerbs shall be measured from the nearest point of the kerb.

		PRE	LIMINARY NOT FOR CONSTRUCT	SSUE	24
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U V	W	Х	Y	Z	

BUILDING YAMAGEMENT PLAN IBMP AND A COPY OF THE BYP IST TO BE ISSUED TO HWC PRICE TO ENDORSEMENT OF WORKS. NOTES 1. If CONSTRUCT CONNECTION IN ACCORDANCE WITH STANDARD DRAWINGS SEW-1107-VIAND SEW-1109 2. X - LAY PROPERTY CONNECTION SEWER AT 167% AMAINTINANCE SHAFT TO BE CONSTRUCTION ACCORDANCE WITH STANDARD DRAWINGS SEW-1315, SEW-1317, SEW-1314-VIA SEW1316-VIA 4. MAINTINANCE STRUCTURES WITH BATTERS- BATTER TO SE MODIFIED TO TA LLTATE INSTALLATION OF MAINTENANCE STRUCTURE D AND SURROUND IN ACCORDANCE WITH STANDARD DRAWING SEW-1308-VI 5. THE CONTRACTOR IS REQUERED TO AND SURROUND IN ACCORDANCE WITH STANDARD DRAWING SEW-1308-VIE CONTRACTOR IS ROUNDED TO ADVIST THE SUPERINTENDED TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTERDEDINTS SEPERISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE SUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERINTENDES TO EXISTING CUSTOMERS. THE CONTRACTOR IS REQUERED TO ADVIST IN ESUPERING ADVIS ADVIS ADVIS ADVIS ADVIS ADVIS ADVIS ADVIS ADVISTING ADVIS ADVIS ADVIS ADVIS ADVIS ADVIS ADVIS ADVI		В	C	D	E	F	G	Н	
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							SUITE 11 PO BOX phone:	632 518 739), 87 KING STREET, WARN 850, WARNERS BAY, NSW 3 (02) 49 294 109	ERS BAY, NSW 2282



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			MORGAN			SEWER	PIPE DATA	10
HID 32G					150 V	PIPE SIZE (MM)PIPE TYPE300PE	LENGTH (M) MAINTENANCE STRUCTURE 61.60	11
S S	W	150 DICL	27G SUR: 8.050		/ / 39F /			12
THORN	HYD	LAING STREET	IL: 5.915	APPROX. 3.1m CLEARANCE FOR VEHICLE TRAVEL PATH		BRANCHES	61.60	
			EX HYD	250 PE		ABANDON	ED PIPE DATA	13
2686	VENT VNT0458 & 0459 TO BE RELOCATED OR ABANDONED, TBC BY HWC			2.34% SUR: 225 VC PE 9° BENDX 225 VC 1L: 8.800 225 VC		PIPE SIZE (mm) PIPE TYPE LE	NGTH (m) NO. MAINTENANCE STRUCTURES	14
● EX → HYD	WASTE MANAGEMENT TEAM		0.57% PE 90° BEND IL: 8,730		- /B/ 356	225 VC BRANCHES	52.86 1 27.54 -	15
ASV L	225 VC	17K VNT0459 SUR: 17.560 IL: 8.610	IL: 8,730	N STP		TOTAL	80.40 1	16
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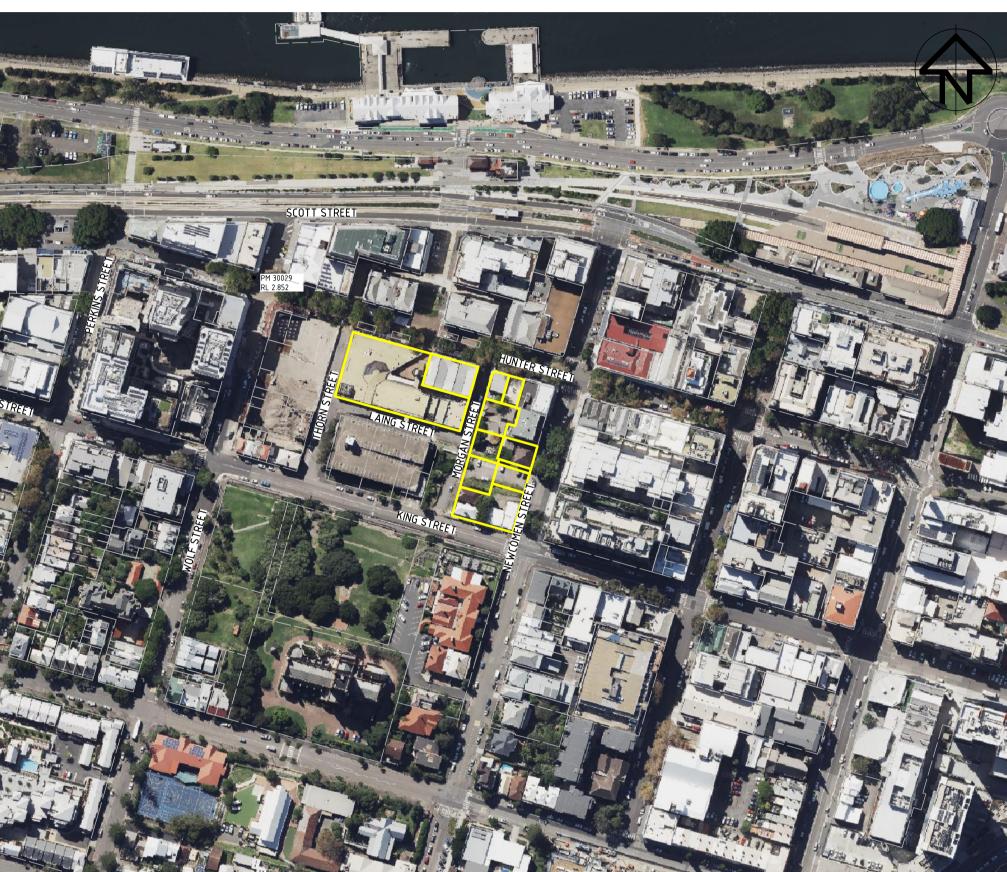
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	NON ROADWAYS -GENERAL -INDUSTRIAL/COMMERCIAL -FOOTWAYS IN MAJOR			PRIVATE PROPERT NON VEHICULAR NEW DEVELOPMEN	600			
	ROADWAYS 900 (RMS CONTROLLED ROADS)	FINISHED SURFACE LEVE	EL FINISHED SURFACE LEVEL	PRIVATE PROPERT NON VEHICULAR EXISTING DEVELOPME	450			N
	-MINOR LOCAL ROADS -OTHER COUNCIL ROADS MAJOR ROADWAYS			PRIVATE PROPERT VEHICULAR FOOTPATHS, SEAL	750 FD			
	-EMBANKMENTS 1500 (RMS CONTROLLED ROADS) FREEWAYS 1500			UNSEALED ROADS	IAL) 900			R
	WHERE MINIMUM COVER CAN NOT BE ACHIEVED, PROVIDE ALTERNATIVE PROTECTION OF THE PIPELINE	A	MARKING TAPE	ARTERIAL ROADS	1200–1500 (AS PER DESIGN)			
		GEOTE		WHERE MINIMUM COV ACHIEVED, PROVIDE PROTECTION OF T	ALTERNATIVE			
	SPRING LINE TRENCH CLEARANCE	_ <u>SPRING LI</u> INVERT LEV		SPRING LINE		1 <u>LE</u>	GEND	
	NOMINAL DIAMETER (DN)MINIMON CLEARANCE "LC"<150			NOMINAL DIAMETER (DN) <u><</u> 150	CLEARANCE "LC" 100	GAS TELS	STRA	
	>150 - <u><</u> 300 150 >300 - <u><</u> 450 200	<u>"LC"</u>	<u>"LC"</u>	>150- <u><</u> 300 >300- <u><</u> 450	150 200	0PT POW	ic fibre /er	
	>450 - 900 300 >900 - 1500 350			>450- <u><</u> 900 >900- <u><</u> 1500	300 350	STO	RMWATER	
	TRENCH WIDTH SHALL BE SUFFICIENT TO SAFELY LAY PIPE AND COMPACT THE SIDE SUPPORT ZONE.			TRENCH WIDTH TO BI SAFELY LAY PIPE AN SIDE SUPPOR	ND COMPACT THE		PE DIRECTION MARKER	
	<u>TYPICAL WATER EN</u> AND TRENCH		TY	<u>PICAL SEWER</u> AND TREN			POSED LOT BO	
	AND IRENUM FOR MORE DETAIL REFER TO WAT-12 NOT TO SCALE		I	AND TREM FOR MORE DETAIL REFER TO NOT TO SC) SEW-1201 AND 1			
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						PO BOX 850, WARNERS BAY, phone: (02) 49 294 109 email: <u>mail@wdegroup.com</u> web: <u>www.wdegroup.com</u>	NSW 2282 n.au	.202
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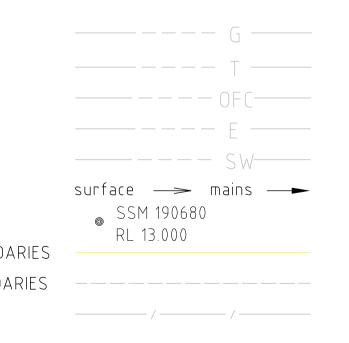
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UCTURE SERVICES for ROUTINE MAJOR WORKS TER STREET, NEWCASTLE, NSW 2300

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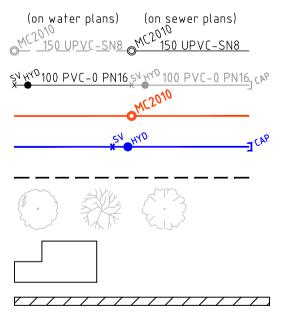


LOCALITY PLAN NTS



EXISTING SEWER EXISTING WATER PROPOSED SEWER PROPOSED WATER FUTURE WATER/SEWER EXISTING VEGETATION

BUILDING FOOTPRINT RETAINING WALL ABANDONED SERVICE



				DESIGNED:	DATE:	COMPANY:	TITLE:		
RE				A.S.	25.01.2023	WID	20	22-672	
	WDG	HUN WAT		DRAWN: J.C.	DATE: 25.01.2023	company: WID			
	WALLACE DESIGN GROUP		57	CHECKED:	date: 25.01.2023	company: WID		TLE SHEE ⁻ VELOPME	•
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NOTES:

EVENT OF A MAIN BREAK.

WATER MAINS INCLUDES MAINS SUPPLYING DRINKING WATER AND NON-DRINKING WATER (REFER TO DRAWING WAT-1810). CLEARANCES CAN BE FURTHER REDUCED TO 150mm FOR DISTANCES UP TO 2m WHERE MAINS ARE TO BE LAID PAST INSTALLATIONS SUCH AS CONCRETE BASES FOR POLES, PITS AND SMALL STRUCTURES, PROVIDING THE STRUCTURE WILL NOT BE DE-STABILISED IN THE PROCESS. THE CLEARANCE FROM TIMBER POLES SHOULD BE AT LEAST 200mm AND PREFERABLY 300mm. WATER MAINS SHOULD ALWAYS CROSS OVER SEWERS AND STORMWATER DRAINS. FOR CASES WHERE THERE IS NO ALTERNATIVE AND THE MAIN MUST CROSS UNDER THE SEWER, THE DESIGN SHALL NOMINATE AN APPROPRIATE TRENCHLESS CONSTRUCTION TECHNIQUE IN ACCORDANCE WITH CLAUSE 5.5 OR OTHER WATER MAIN CONSTRUCTION AND PROTECTION TREATMENT, EFFECTIVELY JOINT-FREE IN THE VICINITY OF THE SEWER.

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UTILITY (EXISTING OR PR SERVICE) SEWERS <u>-</u>DN 300 SEWERS >DN 300 GAS MAIN FELECOMMUNICATIO AND CABL ELECTRICITY CONI CABLES STORMWATER

KERBS NOTES: Vertical cleara be maintained,

minimise the p 2. A minimum ver Clearances car structures, pr A sewer to be

encase sewers m each side of

surface of the 5. Sewers should

in respect of 90°, the verti

6. When the sew mm. this minim Clearance from

	ΤA	ABLE 5.5	
CLEARANCES B	ETWEEN WATEF	R MAINS AND UNDE	R GROUND SERVICES
UTILITY NG OR PROPOSED SERVICE)		NTAL CLEARANCE mm MAIN SIZE	MINIMUM VERTICAL CLEARANCE mm
	<u><</u> 200	>200	
WATERMAINS ² >DN 375	600	600	300
WATERMAINS2 <u><</u> DN 375	300 ³	600	150
GAS MAINS	300 ³	600	150
1MUNICATION CONDUITS AND CABLES	300 ³	600	150
CITY CONDUITS AND CABLES	500	1000	2257
TORMWATER DRAINS	300 ³	600	15 0 ⁴
SEWERS-GRAVITY	1000 ⁵ /600	1000 ³ /600	500 ⁴
S-PRESSURE AND VACUUM	600	600	300
KERBS	150	600 ⁶	150 (WHERE POSSIBLE)

1. VERTICAL CLEARANCES APPLY WHERE WATER MAINS CROSS ONE ANOTHER AND OTHER UTILITY SERVICES, EXCEPT IN THE CASE OF SEWERS WHERE A VERTICAL SEPARATION SHALL ALWAYS BE MAINTAINED, EVEN WHEN THE MAIN AND SEWER ARE PARALLEL. THE MAIN SHOULD ALWAYS BE LOCATED ABOVE THE SEWER TO MINIMISE THE POSSIBILITY OF BACKFLOW CONTAMINATION IN THE

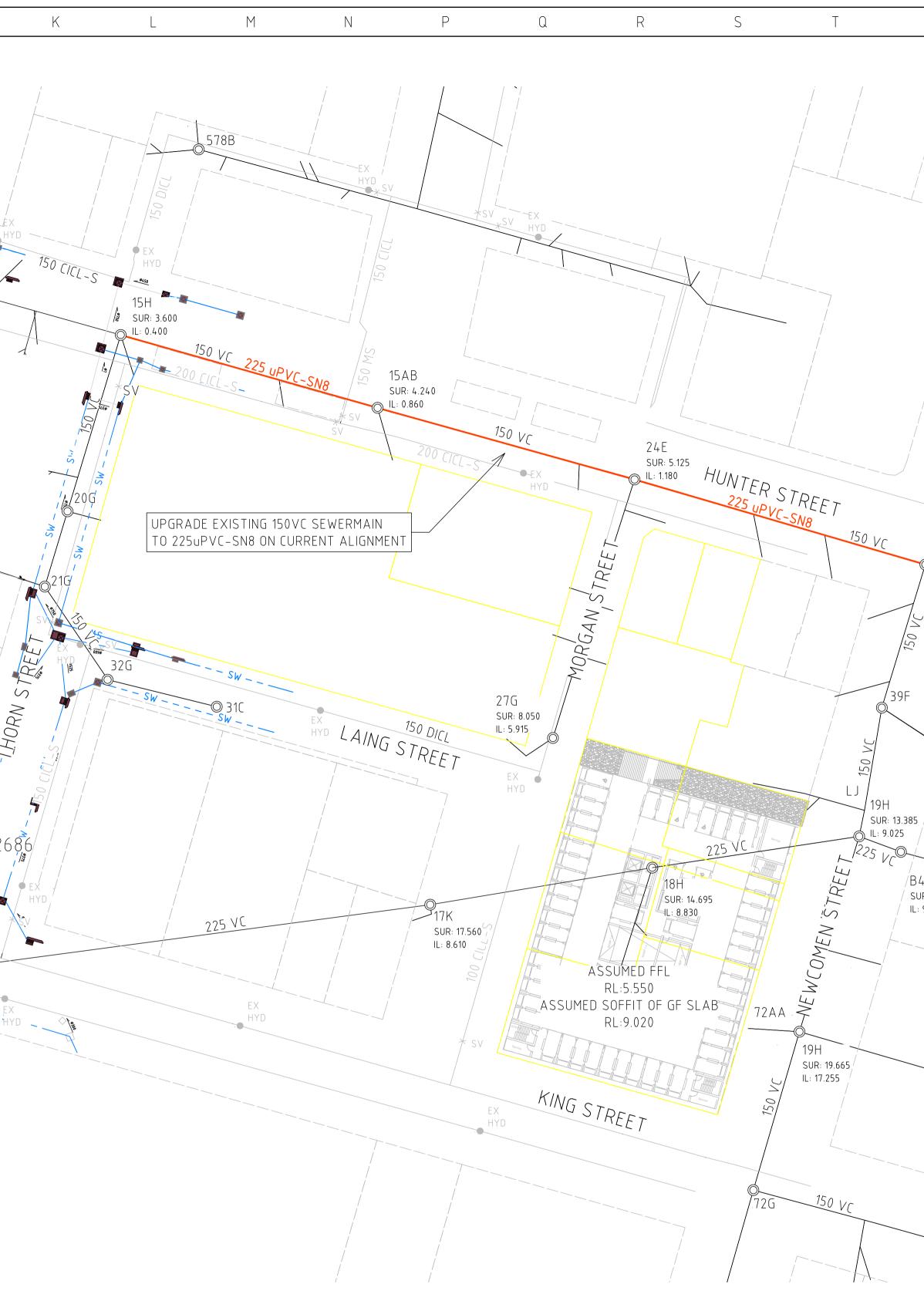
FROM KERBS CAN BE PROGRESSIVELY REDUCED UNTIL THE MINIMUM OF 150mm IS REACHED FOR MAINS DN 200. 7. AN ADDITIONAL CLEARANCE FROM HIGH VOLTAGE ELECTRICAL INSTALLATIONS SHOULD BE MAINTAINED ABOVE THE CONDUITS OR CABLES TO ALLOW FOR A PROTECTIVE BARRIER AND MARKING TO BE PROVIDED.

		TABLE 5.4	
CLEARA	NCES BETWEEN SE	EWER MAINS AND UNDE	ER GROUND SERVICES
UTILITY KISTING OR PROPOSED SERVICE)	MINIMUM HORIZONTAL CLEARANCE MM NEW MAIN SIZE		MINIMUM VERTICAL CLEACANCE MM
	<u><</u> 300	>300	
SEWERS <u><</u> DN 300	300	600	150
SEWERS >DN 300	600	600	300
GAS MAINS	300 ³	600	150
OMMUNICATION CONDUITS AND CABLES	300 ³	600	150
TRICITY CONDUITS AND CABLES	500	1000	2257
TORMWATER DRAINS	300 ³	600	150 ⁴
WATER MAINS	1000 ⁶ /600	1000 ⁶ /600	5004
KERBS	150 ⁷	6007	N/A
be maintained, even when t ninimise the possibility of A minimum vertical clearan Clearances can be further structures, providing the s A sewer to be constructed encase sewers crossing un n each side of the stormwa surface of the concrete er	the sewer and water main backflow contamination in ce of 300 mm applies if the reduced to 150 mm for di structure is not destabili d under an existing or pro- nder brick barrel drains o ater pipe or channel. cleat incasement (refer to draw	n are parallel. the sewer should n the event of a main break. he size of either the existing s stances up to 2 m when passin sed in the process. oposed stormwater pipe or char r unlined open drain or channel arances between the sewer and ring sew-1205).	water mains when a vertical separation shall always d always be located below the water main to service or proposed sewer is >dn 300. Ig installations such as poles, pits and small nnel dn 375 may be concrete encased. concrete l. the concrete encasement shall extend at least 1 d other services shall be measured from the outer
n respect of alternatives 90°, the vertical clearance When the sewer is at the r	such as adjusting the wa may be reduced subject ninimum vertical clearanc al clearance can be progra	ater main or stormwater drain. to water agency requirements e below the water main (500 mr essively reduced to 600 mm as	quirement cannot be met, consult the water agency where a sewer crosses a water main at or close to m) maintain a minimum horizontal clearance of 1000 the vertical clearance increases to 750 mm.
			PRELIMINARY ISSUE

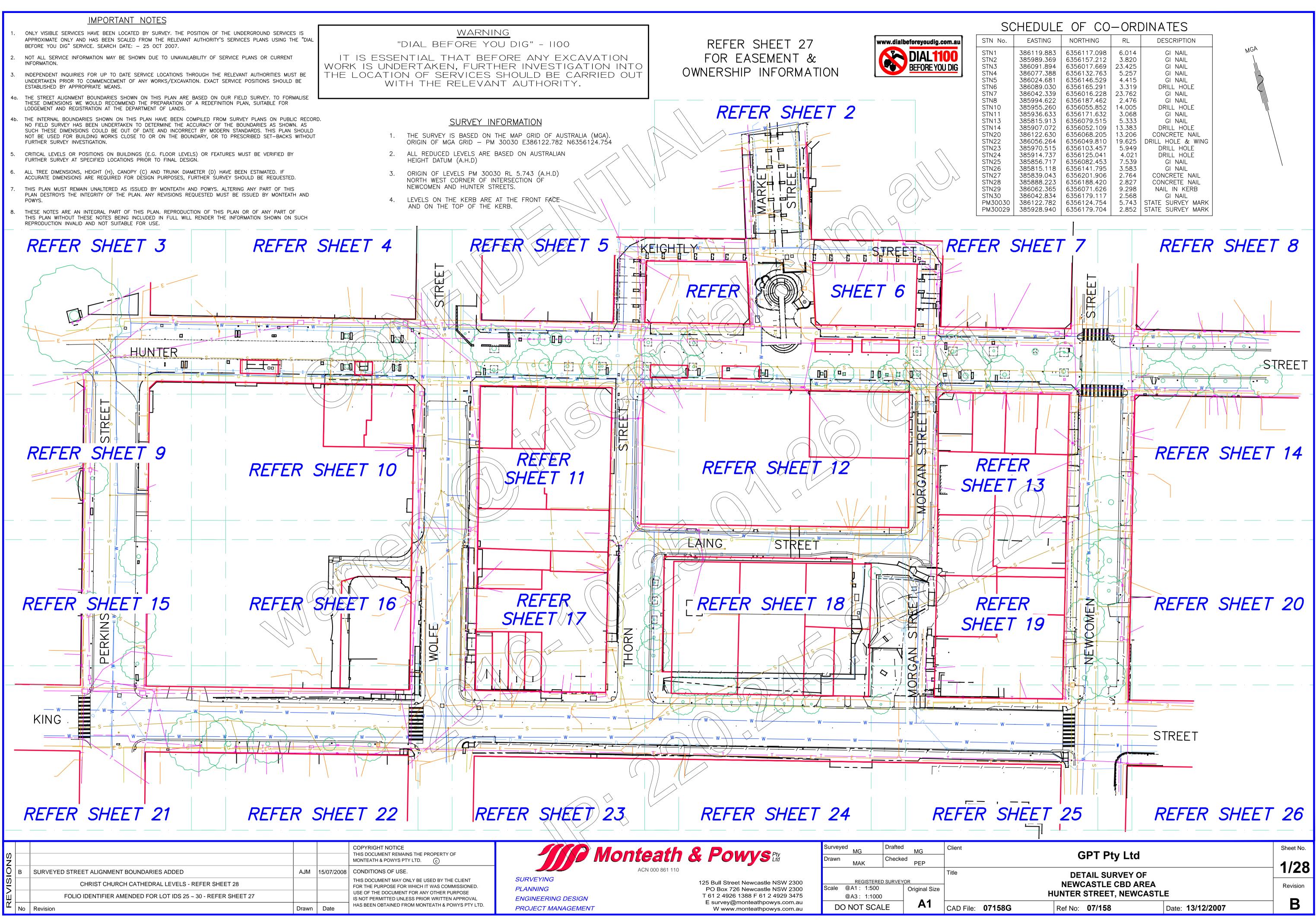
		ND LOCALITY ET AL, 105 HU	Y PLAN JNTER STREE	T, NEWCAS	TLE
		DRAWING No.		sheet 0 0 1	REV No.
U	V	\forall	Х	Y	Z

A1 1:500 ON ORIGINA				100 - D - D - D - D - D - D - D - D - D -	
NOTE. SEWER WORKS TO BE UNDERTA AN APPROVED MAJOR WORKS CONTRA			30029 ◎ / SV 2.852 ≈ /	103 103 103	
PRIVATE PLUMBER TO RECONNECT EXI DRAINAGE AT NO COST TO HWC. NOTE DRAINAGE IS TO BE CONTAINED WITHIN	, ALL	HYD	14J 14J	300 U-PVC-SNO	
THAT IT IS SERVICING.			120. 120. VC		
NOTES 1. # CONSTRUCT CONNECTION IN AC	CORDANCE WITH		HYD		
 STANDARD DRAWINGS SEW-1107 2. x - LAY PROPERTY CONNECTION 3. MAINTENANCE CHAMBERS AND T 	SEWER AT 1.67% TERMINAL		150 UPVC- 100 CICL-S		
MAINTENANCE SHAFT TO BE CON ACCORDANCE WITH STANDARD D SEW-1315, SEW-1317, SEW-1314- 4. MAINTENANCE STRUCTURES WITH	DRAWINGS -V & SEW1316-V	/ 7H			
BATTER TO BE MODIFIED TO FACI INSTALLATION OF MAINTENANCE AND SURROUND IN ACCORDANCE	STRUCTURE LID		1 Su		
DRAWING SEW-1308-V 5. THE CONTRACTOR IS RESPONSIBI SEWER FLOW DURING THE WORK THERE ARE NO SYSTEM SURCHAI	S TO ENSURE	015H	EX HYD		-
UNECESSARY SERVICE INTERRUP CUSTOMERS. THE CONTRACTOR ADVISE THE SUPERINTENDENT'S	PTIONS TO EXISTING IS REQUIRED TO REPRESENTATIVE	F STRE			
PRIOR TO ANY INTERRUPTIONS T CUSTOMERS. IF NECESSARY THE BE REQUIRED TO PROVIDE A TEM SEWER SYSTEM. THE SUPERINTE	E CONTRACTOR MAY IPORARY BY-PASS	10M 23D			
REPRESENTATIVE MUST APPROV TEMPORARY BY-PASS SEWER S	VE ANY		150 U-PVC-SN8		
					T N
		15G SV	100 CICL 225 VC	EX HYD	
			200 CICJ	- 500 SW 11	 6 G
				S ISI	5UR: 15.3 -: 8.140
www.dialbeforeyoudig.com.au	1				
DIAL1100	PM/SSM/BM No	ORIGIN OF LEVE PM 30029 SCALE 1:500	ELS 	2 AHD	
BEFORE YOU DIG		I:200			
				ANT DETAILS: ACE INFRASTI GN PTY LTD ALLACE DESIGN GROUP PTY LTI	
				2 518 739 7 KING STREET, WARNERS BAY, 9, WARNERS BAY, NSW 2282	NSW 228

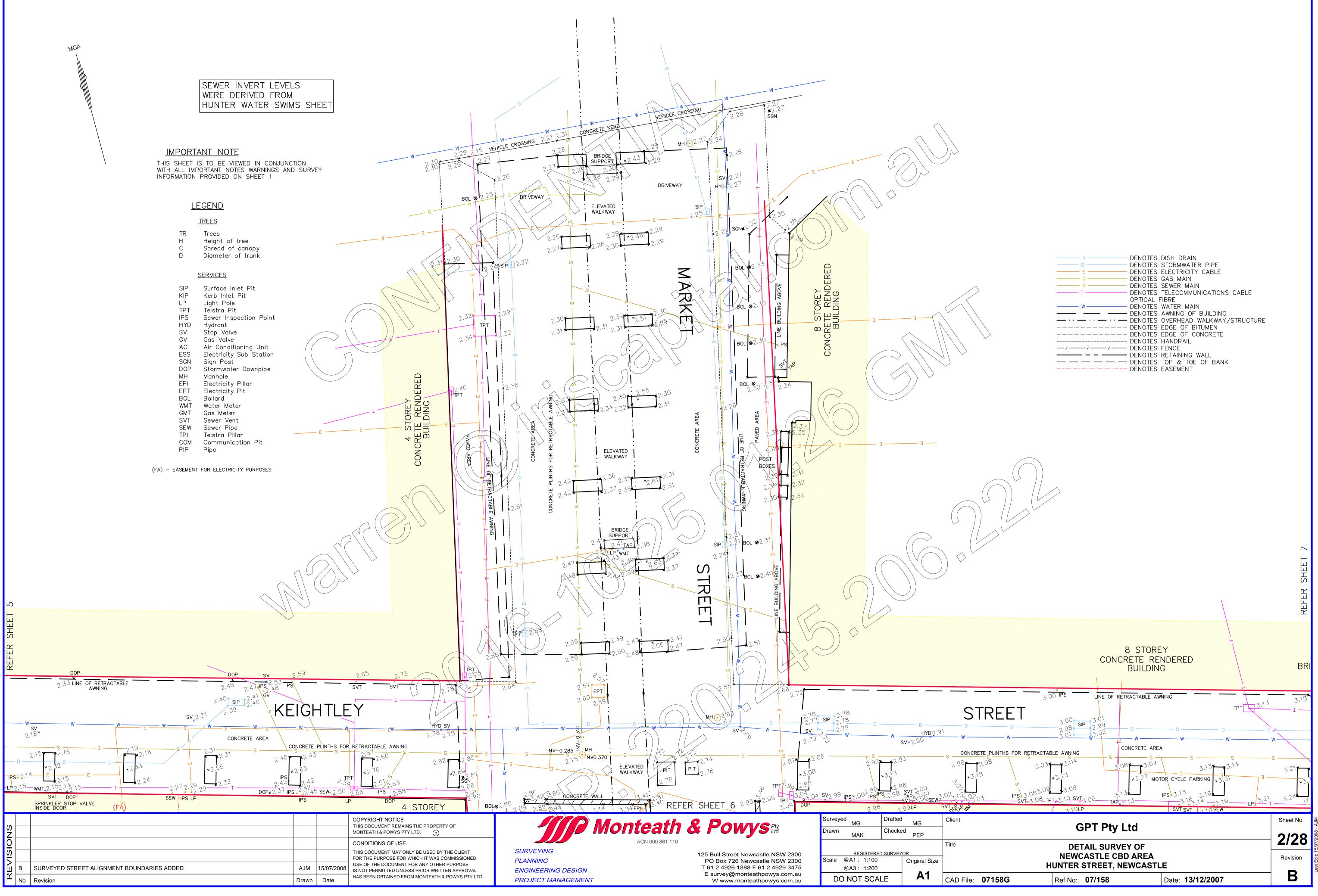
PLOTTED BY:- AARON DATE:- 25 January 2023 7 52 AM FILENAME:- \\192.168.15.250\DATA\PROJECTS\2022\22425 - EAST END STAGES 3 & 4 - 105 HUNTER STREET, NEWCASTLE\CAD\TITLE\22425_EAST END STAGE 3&4 [MW]



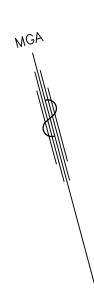
K	L M	Ν	P Q	R	S T	U	V W	X	Ý	
HYD 150 CICL-S	578В 578В 578В 15H SUR: 3.600 L: 0.400 150 VC 200 CICL 200 CICL SW SW SW SW SW SW SW	ISOVC SEWERMAIN CURRENT ALIGNMENT	40 40 150 VC 00 150 VC 150 VC	24E SUR: 5.125 IL: 1.180 NYS	UNTER STREET	561C SUR: 6.140 IL: 4.000 39F J9H SUR: 13.385 IL: 9.025	NOTES 1. WORKS MUST BE CAR SPECIFIED IN THE HWG 2. WORKS MUST BE CON DRAWINGS, CONSTRUCTION AND W 3. CLEARANCES TO OTHI REFER WSA-03 HWC E 4. KERB LEVEL SHOWN G PROPOSED SEWER 5. ALL PRODUCTS AND N APPROVED PRODUCTS 6. ALL PROPERTY CONN DOWNSTREAM BOUND CONNECTIONS TO BE E SEW-1105 AND SEW-1 - VERTICAL RI - MARKER TAF SURFACE AT 7. LAY PIPE IN ACCORDA SEW-1251-H STANDA 8. CONSTRUCT ALL MAIN - ALL RELEVA 9. FOR SETOUT OF ALL W PRECEDENT OVER SUF 10.IN THE VICINITY OF TH PLACED PRIOR TO THI LAYERS NOT EXCEEDI EACH LAYER TO NOT DRY DENSITY.	RIED OUT IN ACCORDANCE V NOTICE OF FORMAL REQUI STRUCTED IN ACCORDANCE CTION NOTES, WSA 03 HWC WSA 02 HWC EDITION STANI ER PIPES TO BE CALCULATE EDITION PART 2 - TABLE 5. ON THE SECTION IS ADJACEN MATERIALS TO BE SELECTEN SAND MATERIALS REGISTE ECTIONS TO BE LOCATED 1.0 ARY UNLESS OTHERWISE IN BURIED INTERFACE METHOD 107 WITH: SER WHERE SEWER DEPTH PE (NON-DETECTABLE) LAID EACH JUNCTION. INCE WITH SUPPORT TYPE RD TRENCH DETAILS. ITENANCE STRUCTURES IN NT SEW-1300-V SERIES DR WORKS, OFFSET DIMENSION RVEY COORDINATES. IE PROPOSED SEWERMAIN, E LAYING OF THE PIPE. IT IS NG 200mm THICKNESS AND BE LESS THAN 95% OF ITS E LENGTH (M)	VITH ALL CONDITIONS REMENTS. WITH THE DESIGN EDITION PART 2 - DARDS DRAWINGS. ED FROM COLLAR - 4. NT TO THE ROUTE OF THE D FROM THE HWC R. Om FROM THE HWC R. Om FROM THE HWC R. DICATED. ALL IN ACCORDANCE WITH >1.5m. RAISED TO THE AS SHOWN ON ACCORDANCE WITH: AWINGS S ARE TO TAKE FILL IS TO BE TO BE PLACED IN THE COMPACTION OF STANDARD MAXIMUM	Z 1 1 2 3 4 4 5 6 7 6 7 8 9 10 10 11 12 12 13 14 15 15 16 17 18 19 20 21 21
								PRF	LIMINARY ISSU	JE
			DESIGNED: DATE:	COMPANY:	TITLE:				IDT FOR CONSTRUCTION	24
		UNTER	A.S. 25.0 Drawn: Date:	1.2023 WID	S22-672					
		ATER	CHECKED: DATE:	1.2023 WID	PROPOSED SE					_
WALLACE DESIGN GF			APPROVED: DATE:	1.2023 WID COMPANY: 1.2023 WID	SIZE: SCALE:	T OF LOT 1, DP 7'	7846, ET AL, 105 HI DRAWING NO.		SHEET REV	No.
224 K	25-4 L M	N	A.S. 25.0 P Q	1.2023 WID R	A1 1:500 S T	U	V W	X	004 (Y	Z



O B SURVEYED STREET ALIGNMENT BOUNDARIES ADDED AJM 15/07/2008 CONDITIONS OF USE.	
U B SURVEYED STREET ALIGNMENT BOUNDARIES ADDED AJM 15/07/2008 CONDITIONS OF USE.	
	NLY BE USED BY THE CLIENT WHICH IT WAS COMMISSIONED.
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E DENOTES ELECTRICITY CABLE	
G G	
T DENOTES TELECOMMUNICATIONS CABLE	
OPTICAL FIBRE	
W DENOTES WATER MAIN	
DENOTES AWNING OF BUILDING	
	Е
ÓFREN ÉRENTES EDGE OF BITUMEN	
CONCRETE	
DENOTES HANDRAIL	
DENOTES RETAINING WALL	
DENOTES EASEMENT	



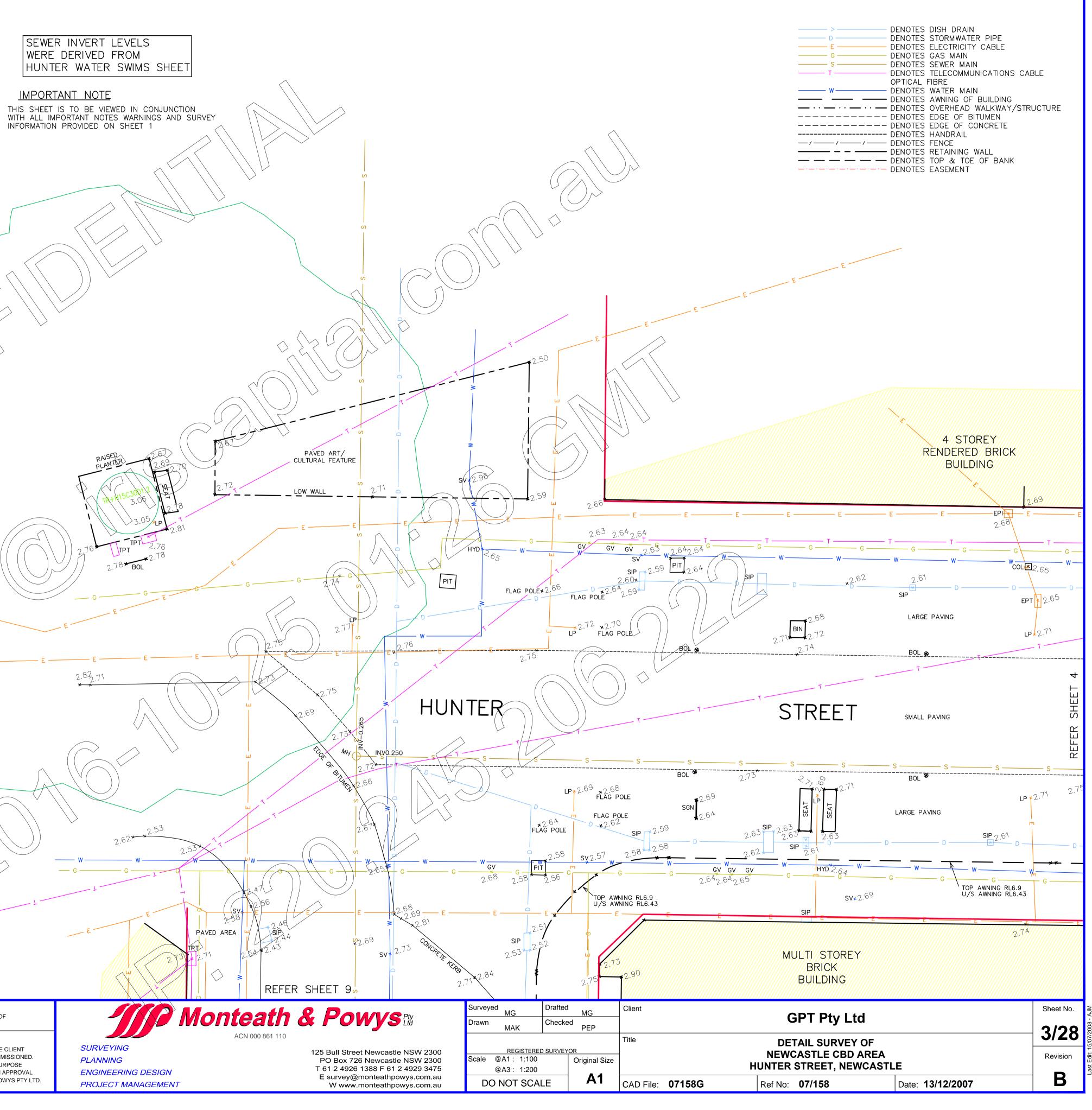
<u>LEGEND</u>

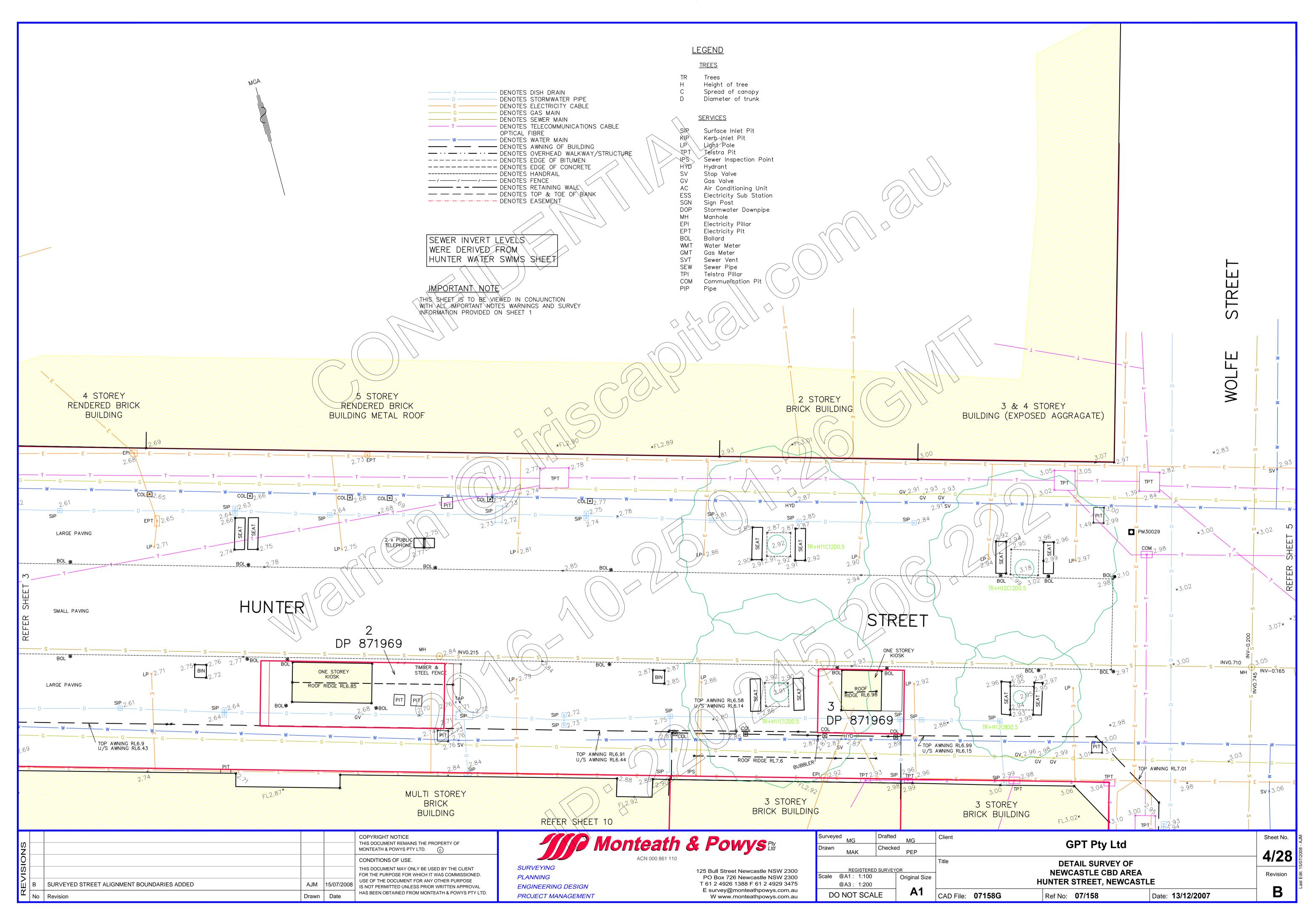
TREES	
Trees Height of	
Spread of	canopy

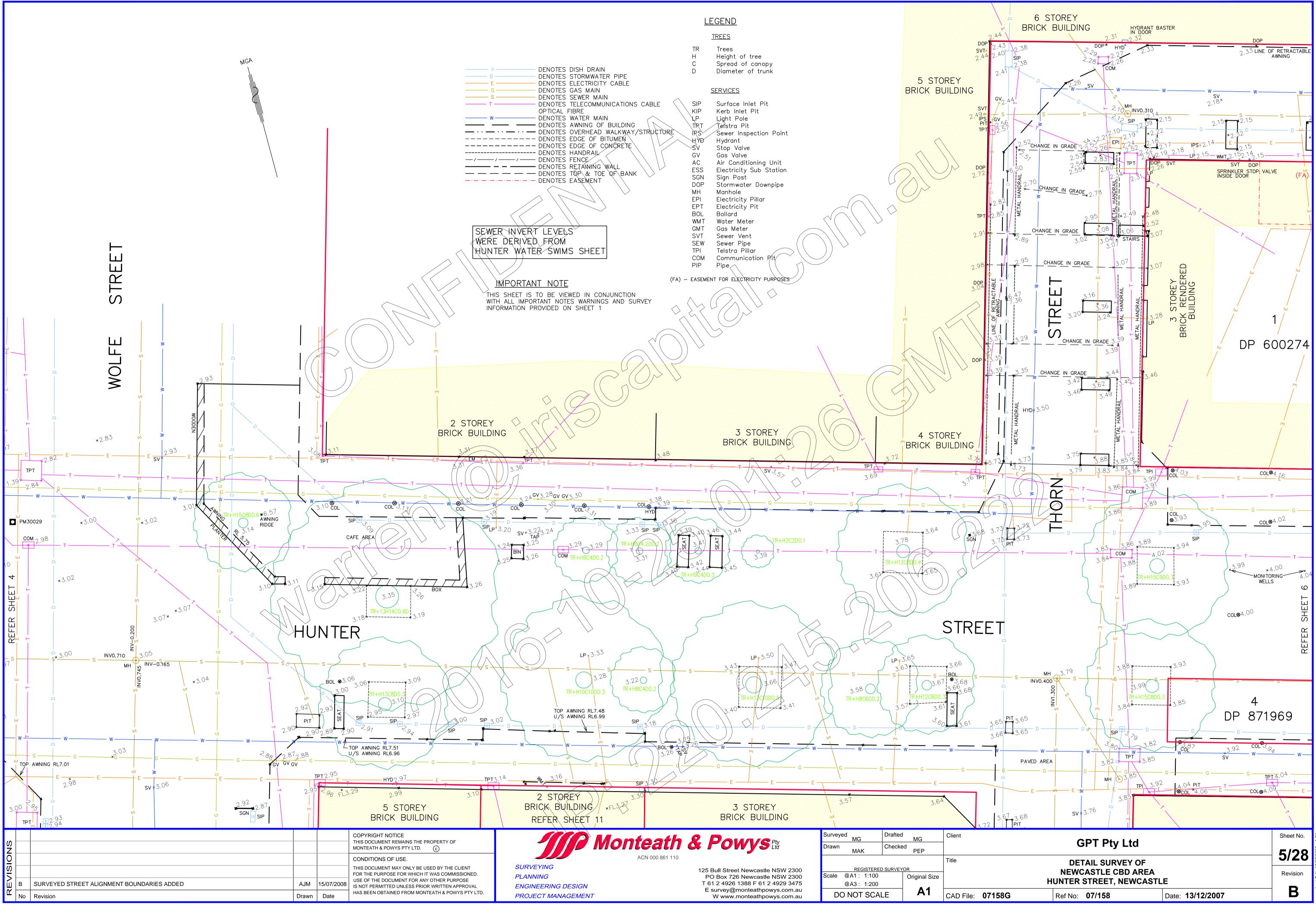
Diameter of trunk

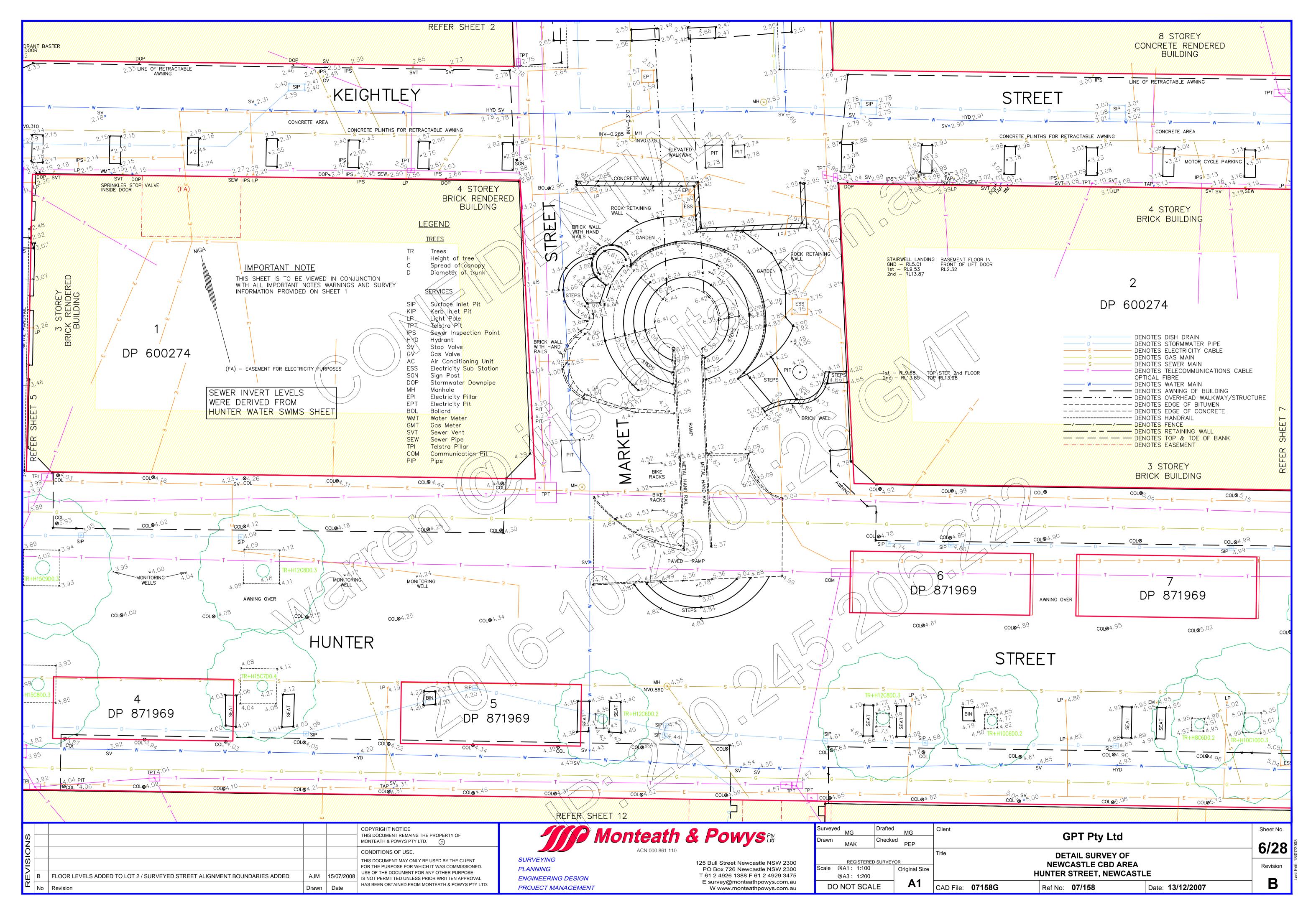
SERVICES

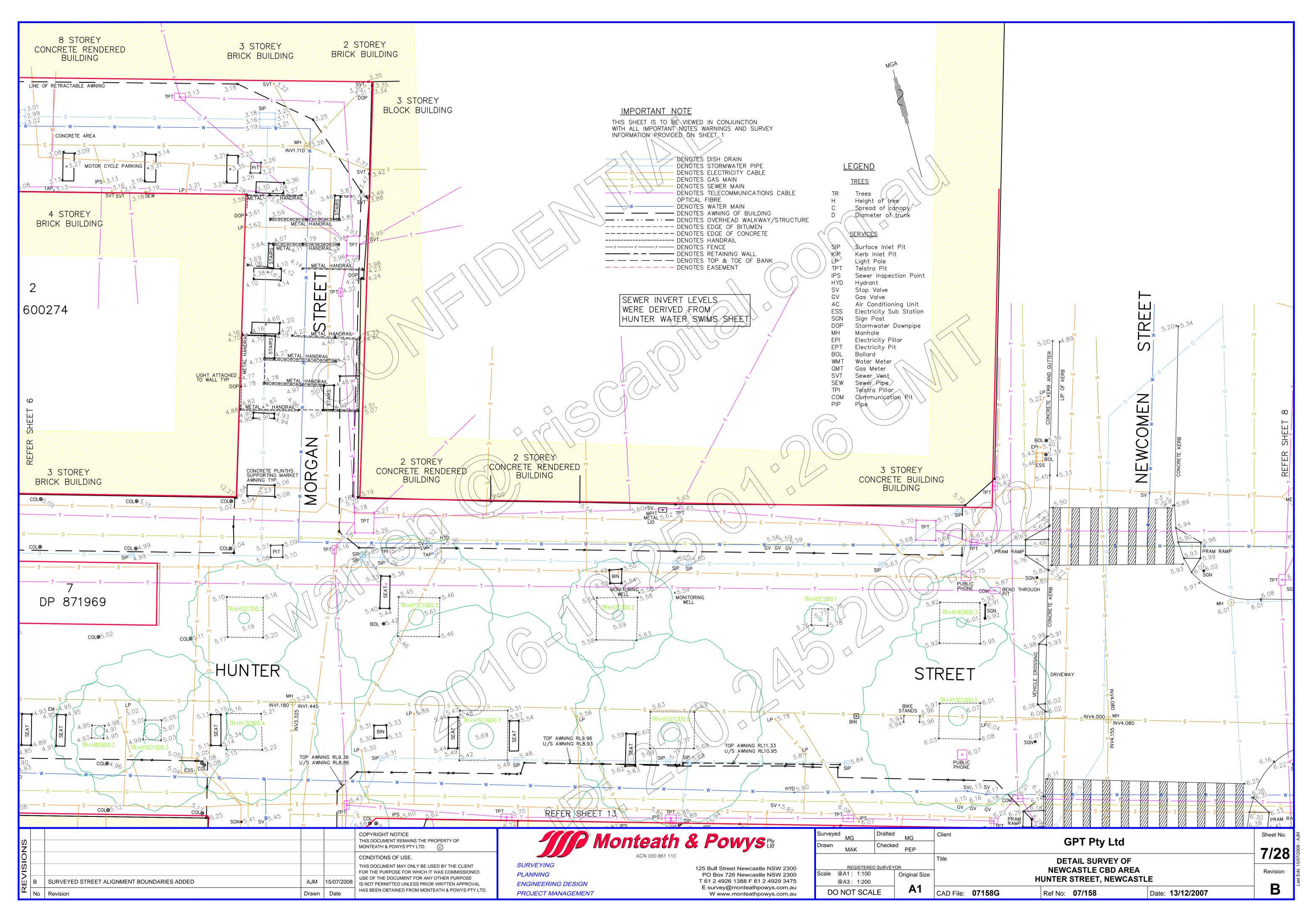
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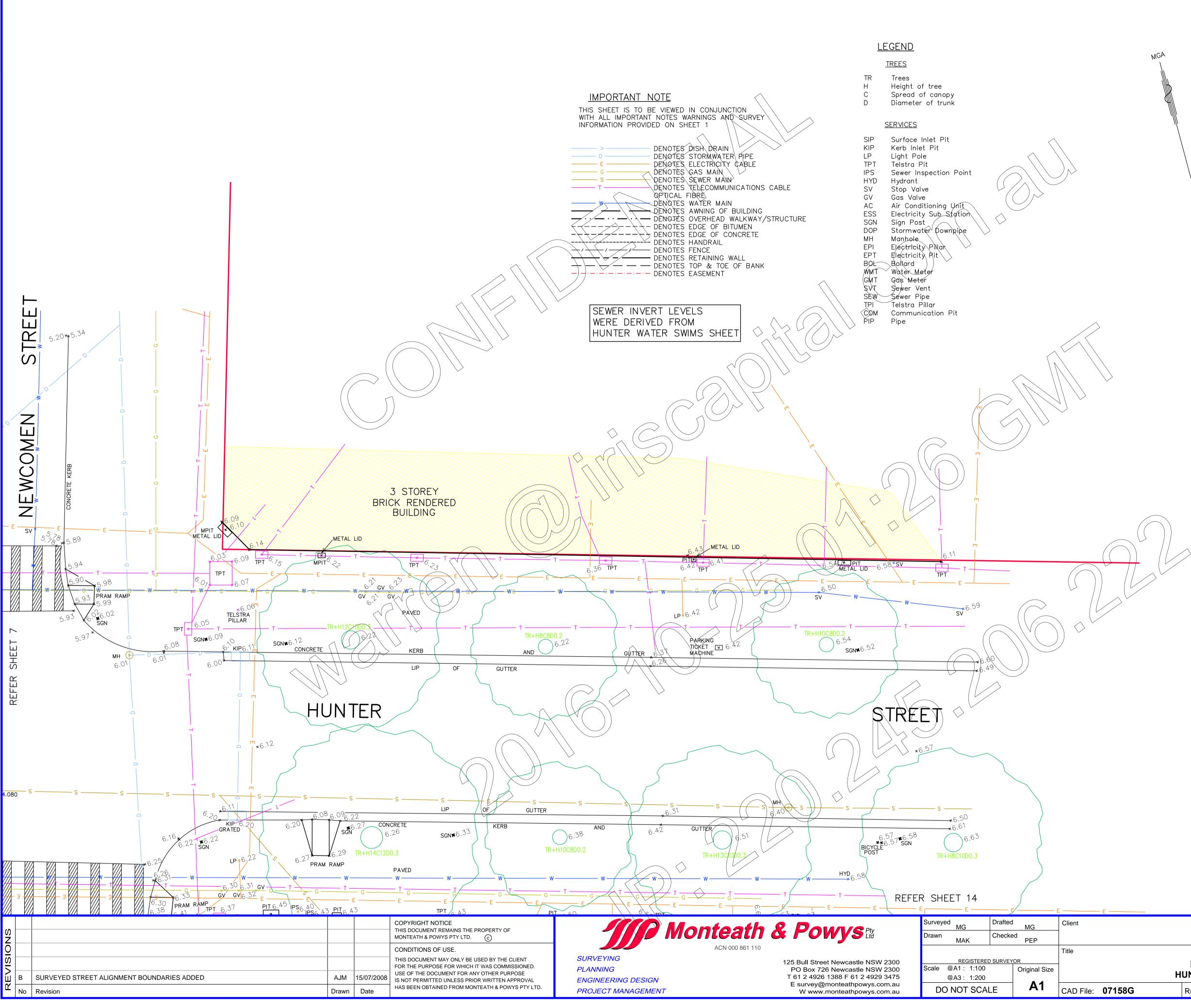




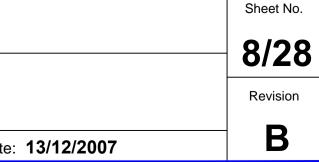












GPT Pty Ltd

DETAIL SURVEY OF					
	NEWCASTLE CBD AREA				
н	UNTER	STREET, NEWCASTL	.E		
	I				
	Ref No:	07/158	Date: 13/12/2007		

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SEWER INVERT LEVELS	
WERE DERIVED FROM	
HUNTER WATER SWIMS	SHEET

----- DENOTES EASEMENT

MGA

DENOTES DISH DRAIN
DENOTES STORMWATER PIPE
DENOTES ELECTRICITY CABLE
DENOTES GAS MAIN
DENOTES SEWER MAIN
DENOTES TELECOMMUNICATIONS CABLE
OPTICAL FIREE OPTICAL FIBRE DENOTES WATER MAIN ------ DENOTES AWNING OF BUILDING ---- DENOTES EDGE OF BITUMEN ---- DENOTES EDGE OF CONCRETE ----- DENOTES HANDRAIL - - ----- DENOTES RETAINING WALL

<u>LEGEND</u>

<u>TREES</u>

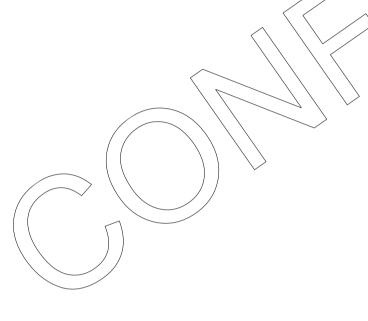
- TR Trees
- Height of tree
- Spread of canopy Diameter of trunk

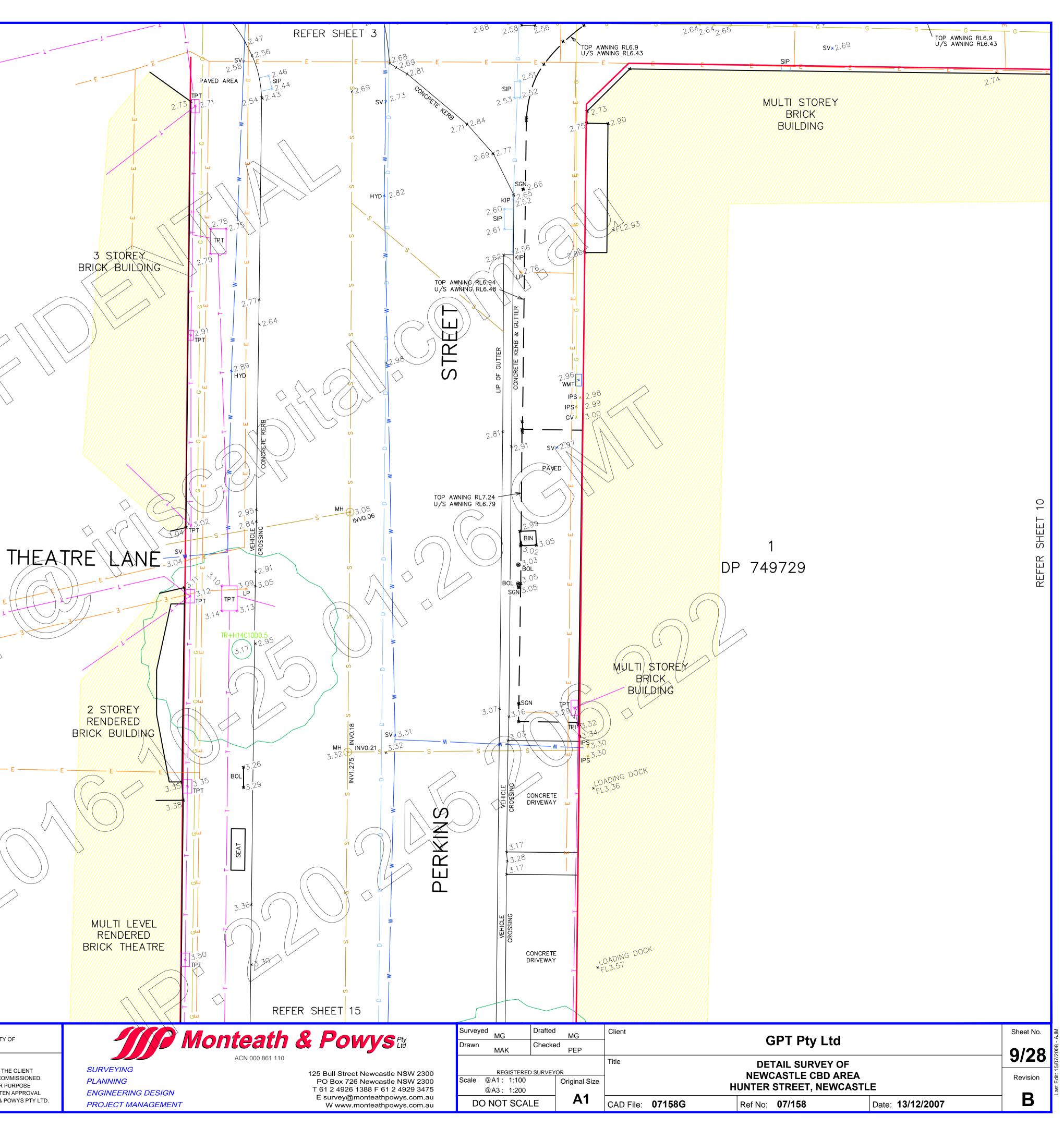
<u>SERVICES</u>

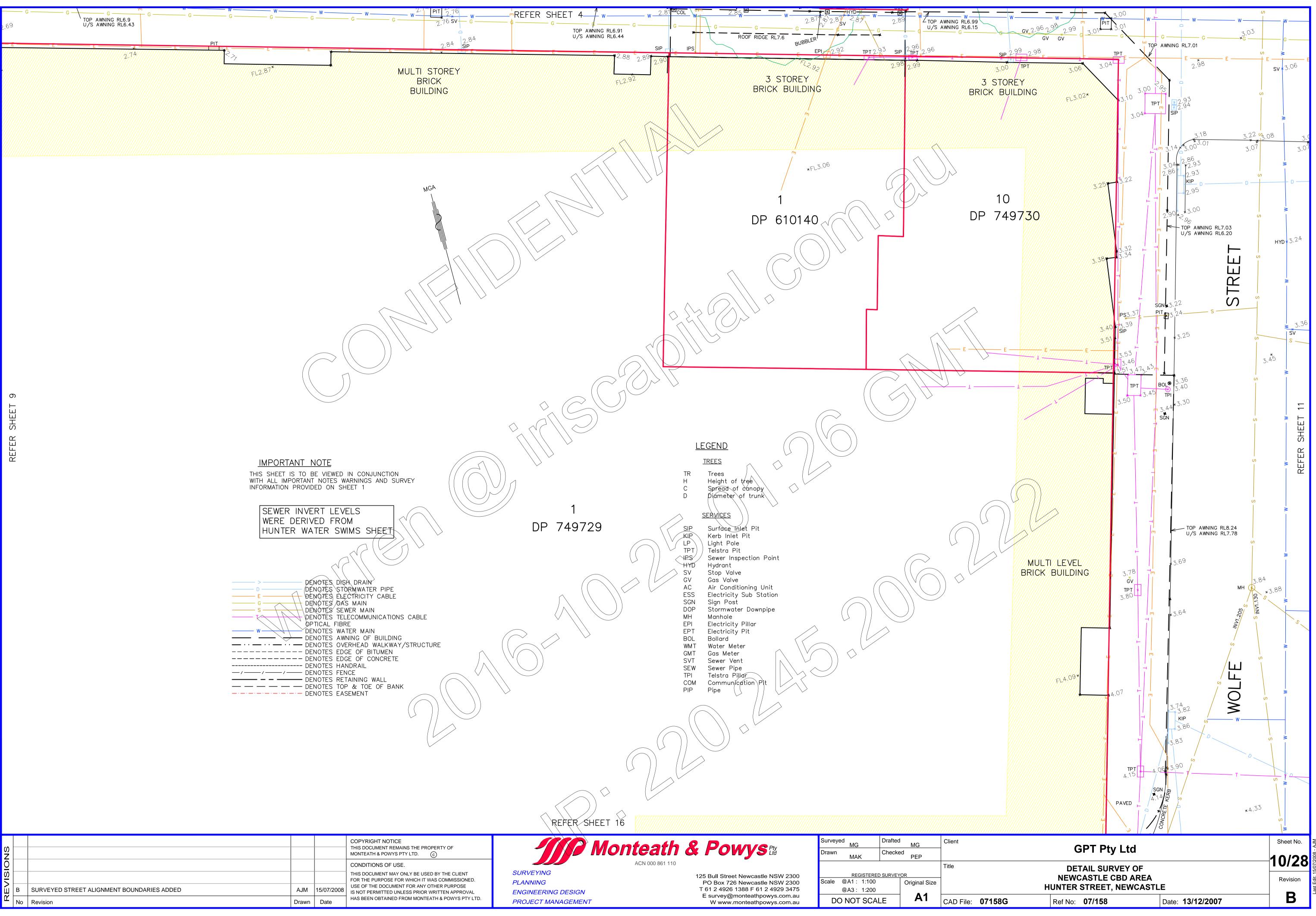
-	
SIP	Surface Inlet Pit
KIP	Kerb Inlet Pit
LP	Light Pole
TPT	Telstra Pit
IPS	Sewer Inspection Point
HYD	Hydrant
SV	Stop Valve
GV	Gas Valve
AC	Air Conditioning Unit
ESS	Electricity Sub Station
SGN	Sign Post
DOP	Stormwater Downpipe
MH	Manhole
EPI	Electricity Pillar
EPT	Electricity Pit
BOL	Bollard
WMT	Water Meter
GMT	Gas Meter
SVT	Sewer Vent
SEW	Sewer Pipe
TPI	Telstra Pillar
COM	Communication Pit

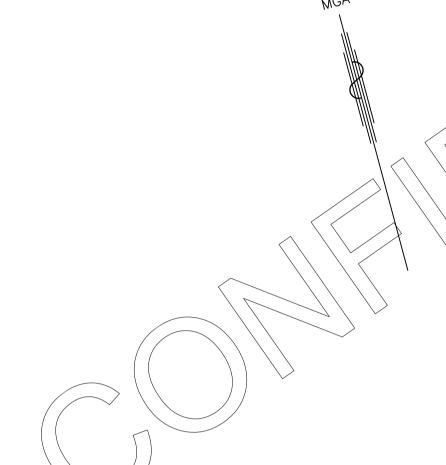
COM Communication Pit PIP Pipe

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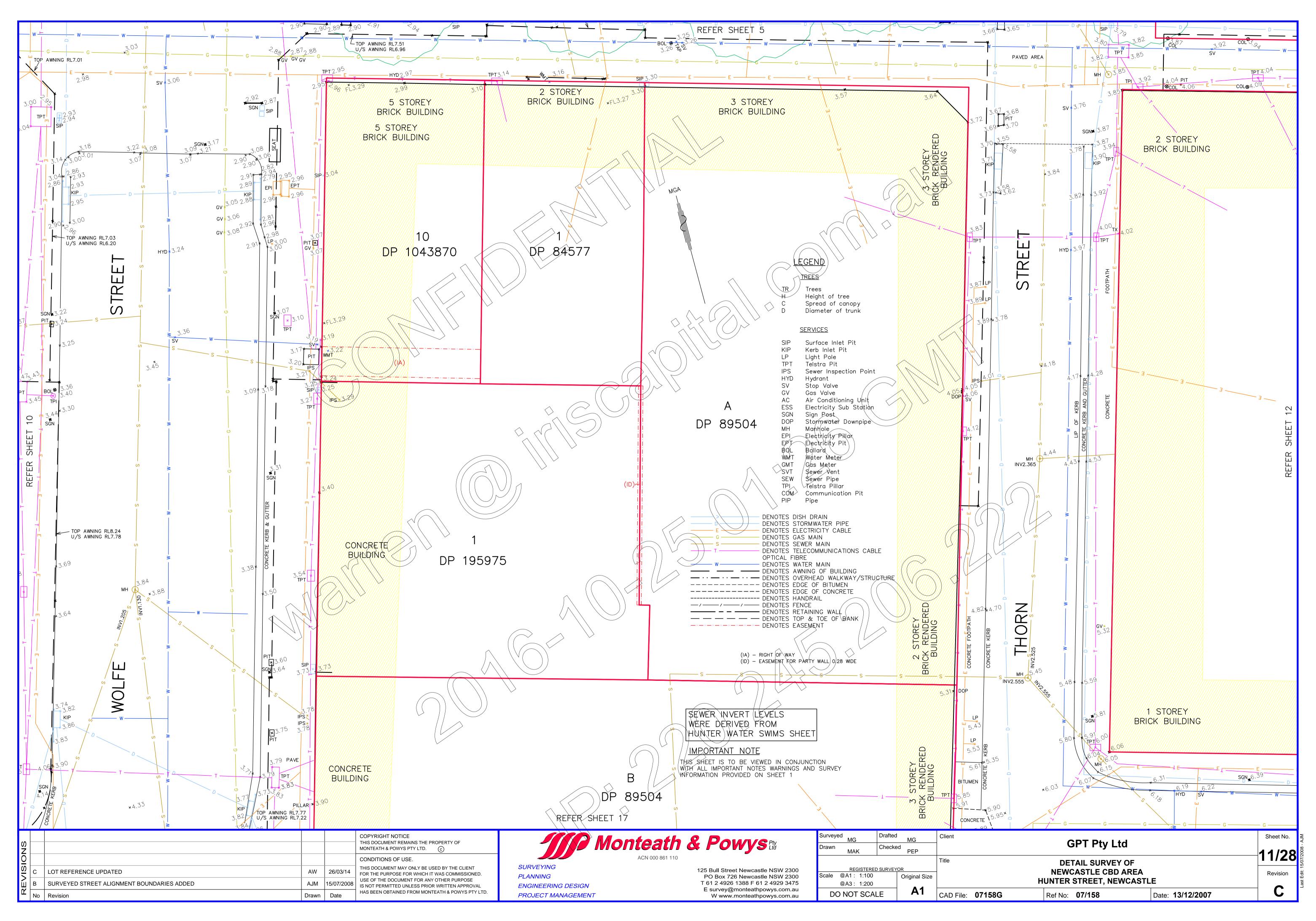


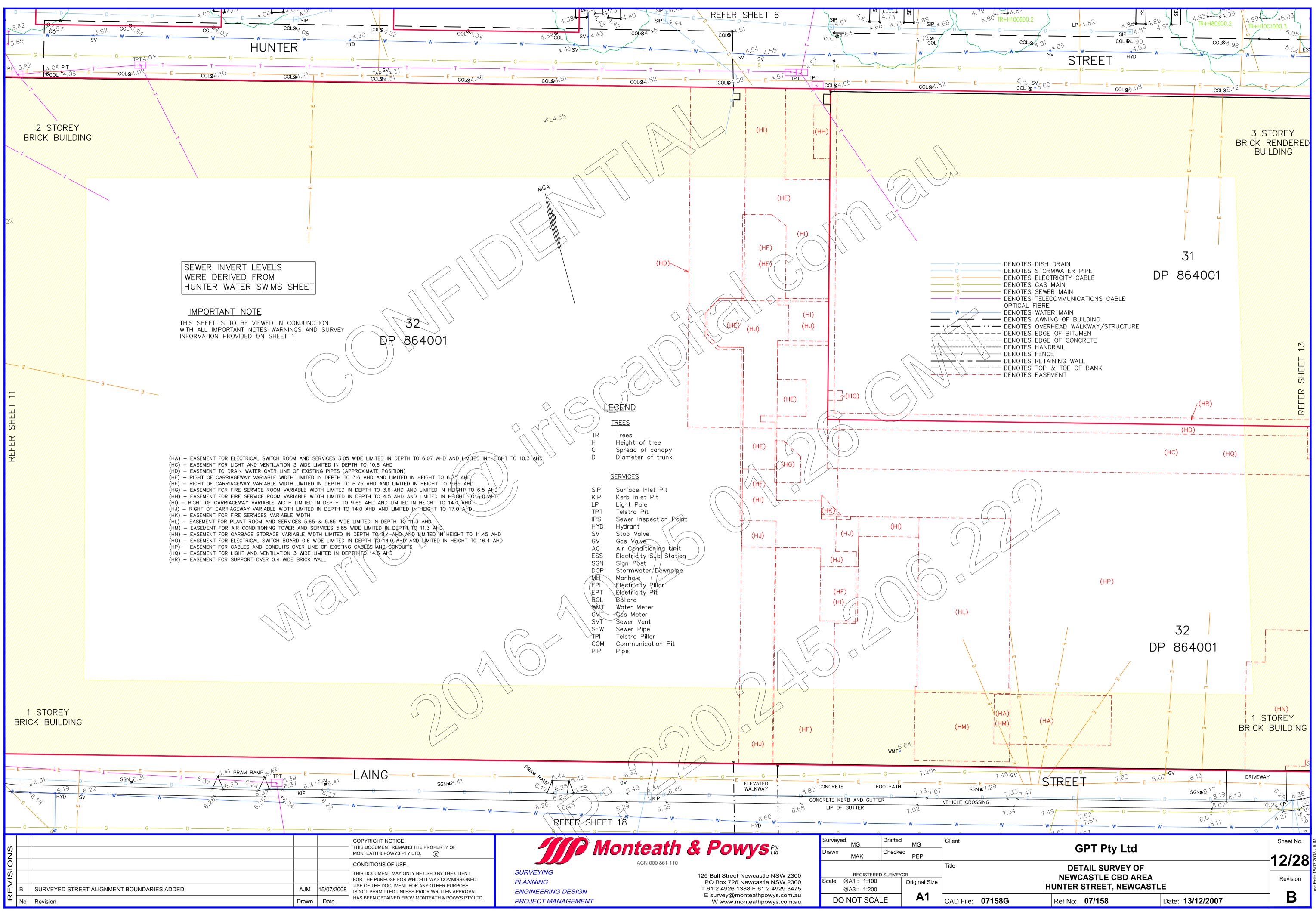


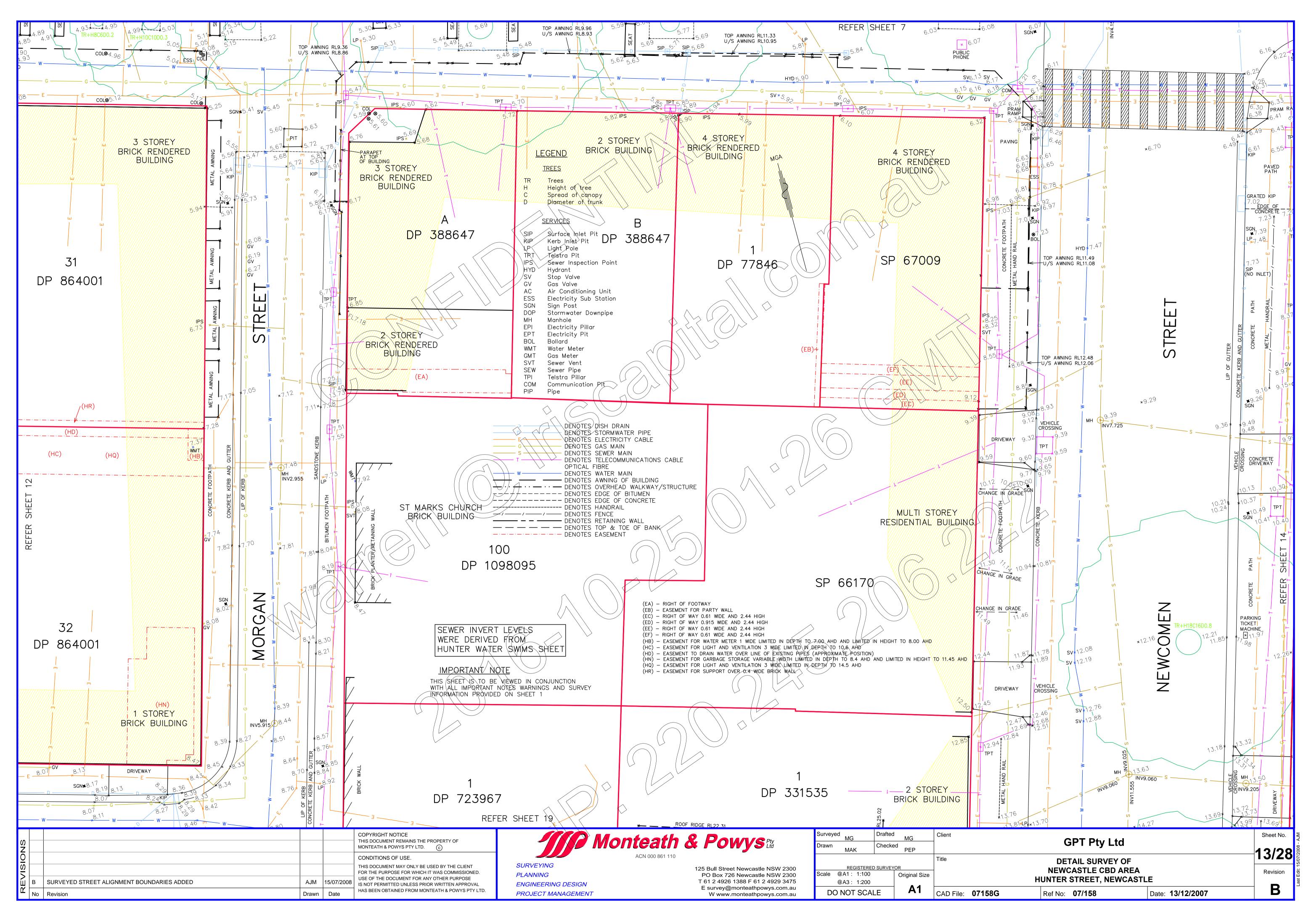


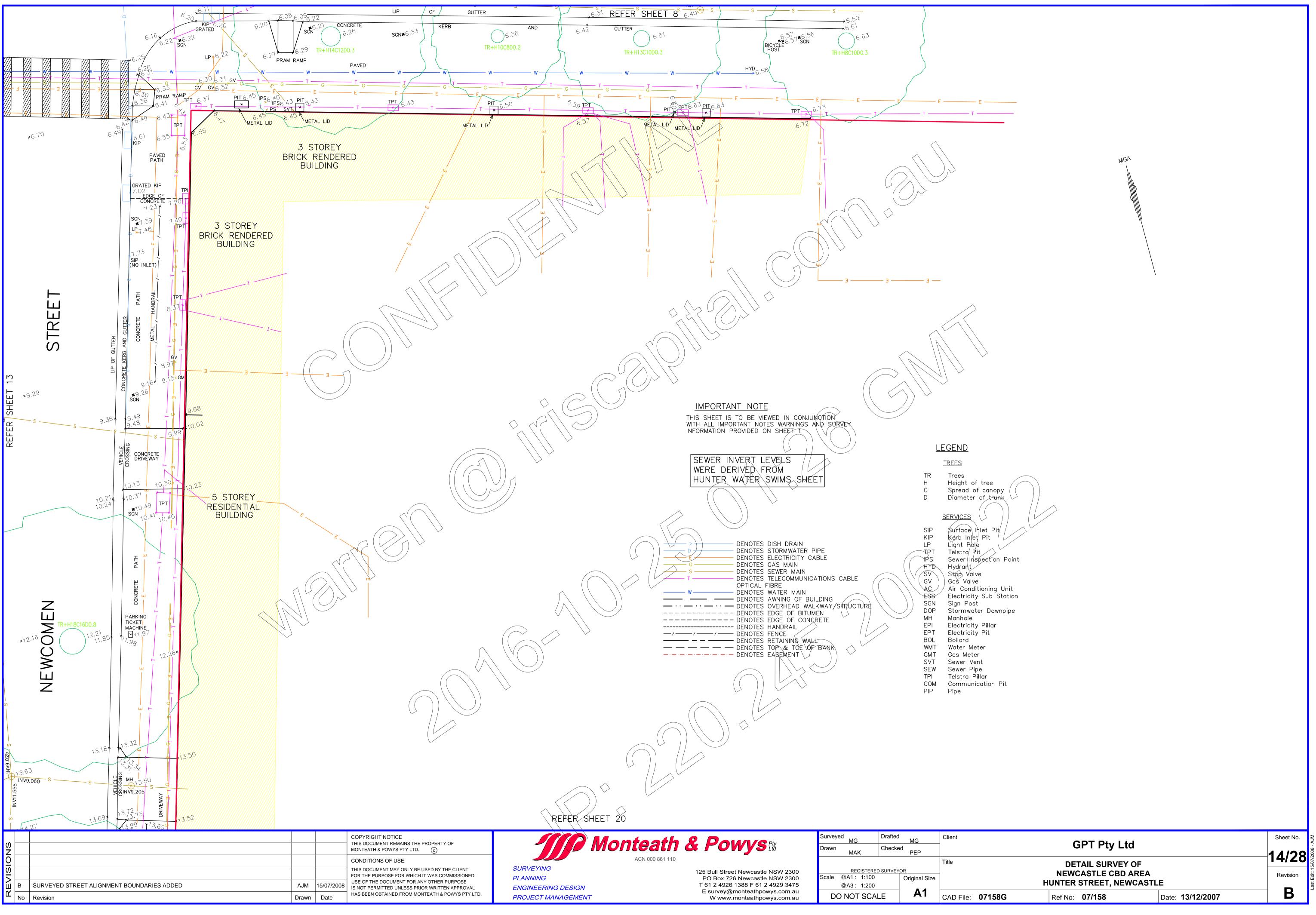


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<u>LEGEND</u>

<u>TREES</u>

2	Trees

- Height of tree Spread of canopy Н С
- Diameter of trunk D

SERVICES

	<u>SERVICES</u>
SIP KIP	Surface Inlet Pit Kerb Inlet Pit
LP	Light Pole
TPT	Telstra Pit
IPS	Sewer Inspection Point
ΗYD	Hydrant
SV	Stop Valve
GV	Gas Valve
AC	Air Conditioning Unit
ESS	Electricity Sub Station
SGN	Sign Post
DOP	Stormwater Downpipe
MH	Manhole
EPI	Electricity Pillar
EPT	Electricity Pit
BOL	Bollard

- WMT Water Meter
- GMT Gas Meter
- Sewer Vent Sewer Pipe
- Telstra Pillar Communication Pit
- SVT SEW TPI COM PIP Pipe

> D E G S T	DENOTES DENOTES DENOTES DENOTES DENOTES DENOTES DENOTES DENOTES DENOTES DENOTES DENOTES DENOTES	STORMWATER PIPE ELECTRICITY CABLE GAS MAIN SEWER MAIN TELECOMMUNICATION FIBRE WATER MAIN AWNING OF BUILDING OVERHEAD WALKWAY EDGE OF BITUMEN EDGE OF CONCRETE HANDRAIL
	DENOTES	HANDRAIL
	DENOTES DENOTES	RETAINING WALL TOP & TOE OF BANK

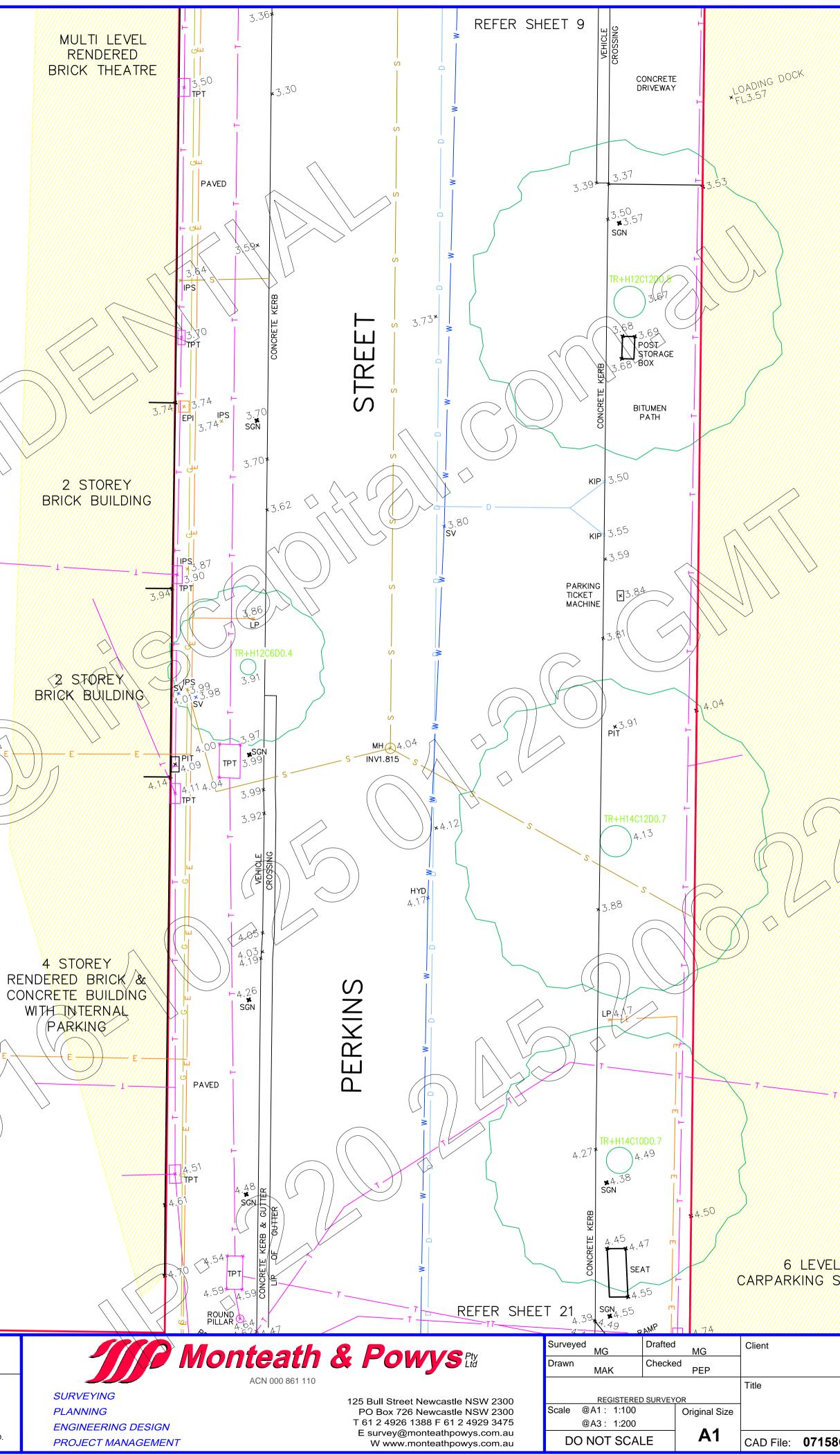
MAIN MUNICATIONS CABLE MAIN G OF BUILDING EAD WALKWAY/STRUCTURE DF BITUMEN DF CONCRETE NG WALL TOE OF BANK

SEWER INVERT LEVELS WERE DERIVED FROM HUNTER WATER SWIMS SHEET

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(JA) — RIGHT OF WAY AND EASEMENT FOR LIGHT 2.515 & 6.095 WIDE (JB) — RIGHT OF WAY AND EASEMENT FOR LIGHT 2.515 WIDE & VARIABLE

SEWER I	NVERT I	LEVELS	
were de	ERIVED	FROM	
WERE DE	WATER	SWIMS	SHEET

D E G S T W W C C C C S C C C C C C C C C C C C C	DENOTES DISH DRAIN DENOTES STORMWATER PIPE DENOTES ELECTRICITY CABLE DENOTES GAS MAIN DENOTES SEWER MAIN DENOTES TELECOMMUNICATIONS CABLE OPTICAL FIBRE DENOTES WATER MAIN DENOTES AWNING OF BUILDING DENOTES OVERHEAD WALKWAY/STRUCTURE DENOTES EDGE OF BITUMEN DENOTES EDGE OF CONCRETE DENOTES HANDRAIL DENOTES FENCE DENOTES RETAINING WALL
	DENOTES TOP & TOE OF BANK DENOTES EASEMENT

<u>LEGEND</u>

<u>TREES</u>

TR	Trees
Н	Height of tree
С	Spread of canopy
D	Diameter of trunk

	SERVICES
SIP	Surface Inlet Pit
KIP	Kerb Inlet Pit
LP	Light Pole
TPT	Telstra Pit
IPS	Sewer Inspection Point
ΗYD	Hydrant
SV	Stop Valve
GV	Gas Valve
AC	Air Conditioning Unit
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DOP	Stormwater Downpipe
MH	Manhole
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EPT	Electricity Pit
BOL	Bollard
WMT	Water Meter
GMT	Gas Meter
SVT	Sewer Vent

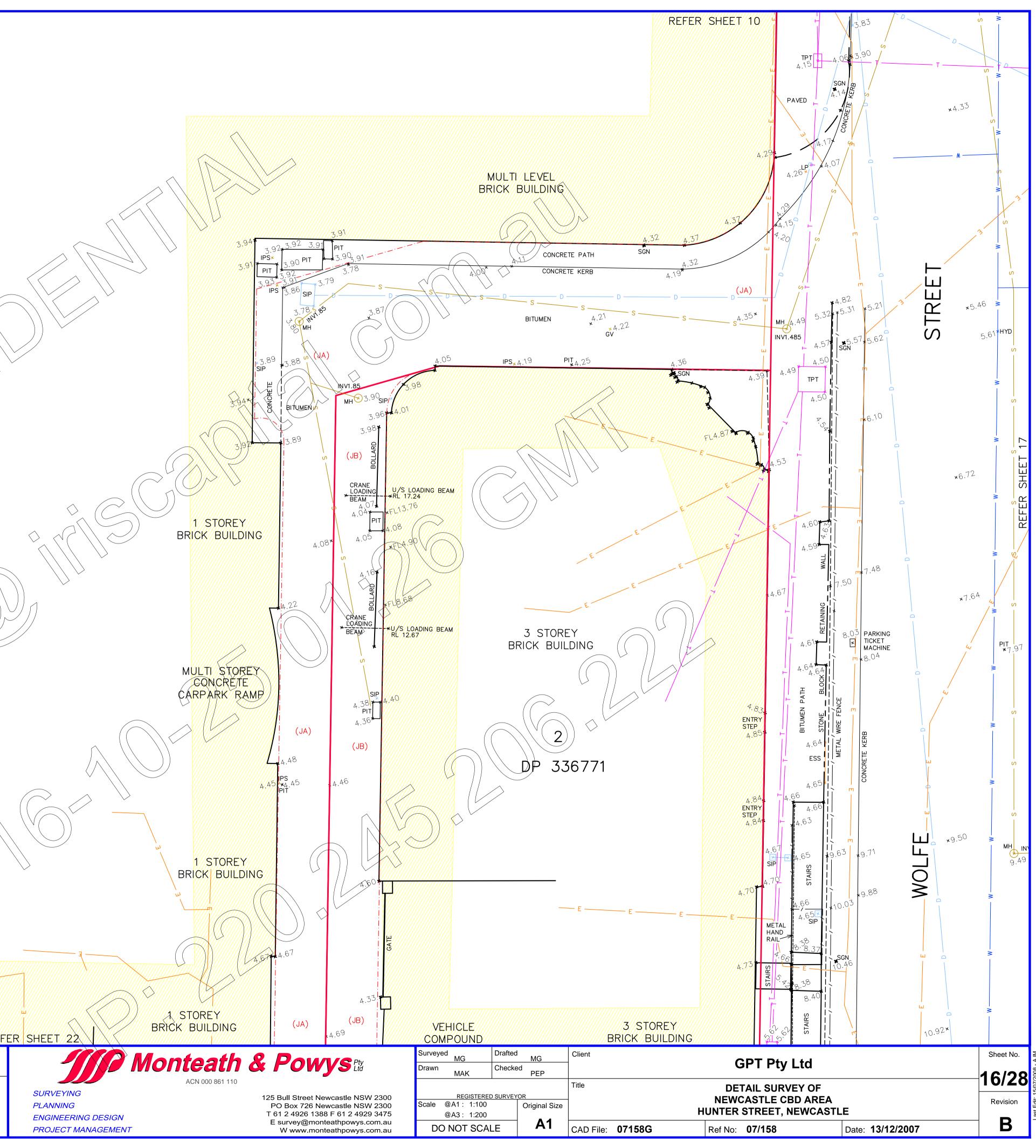
- SEW Sewer Pipe TPI Telstra Pillar COM Communication Pit PIP Pipe

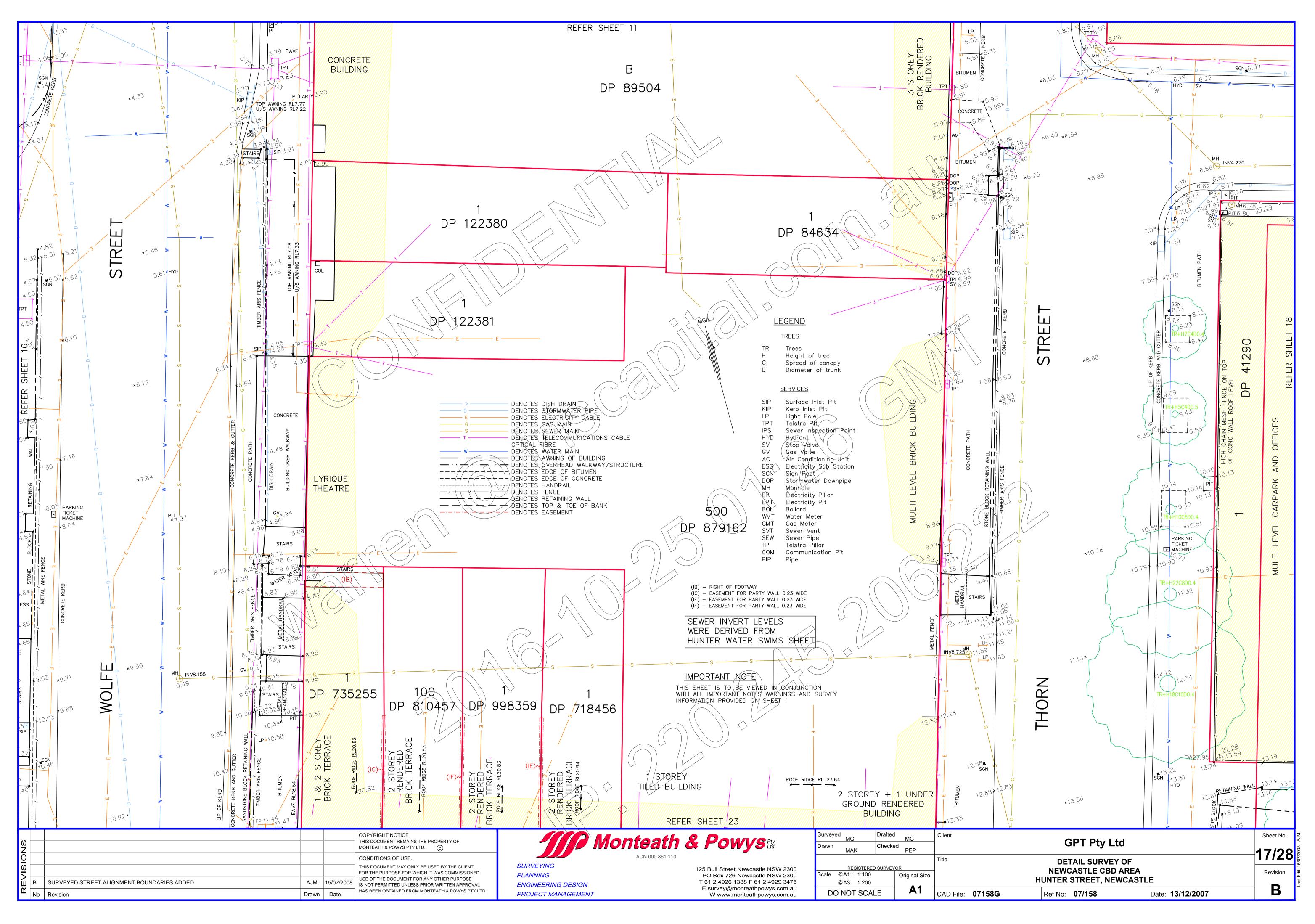
MULTI LEVEL ARPARKING STAT	TION		
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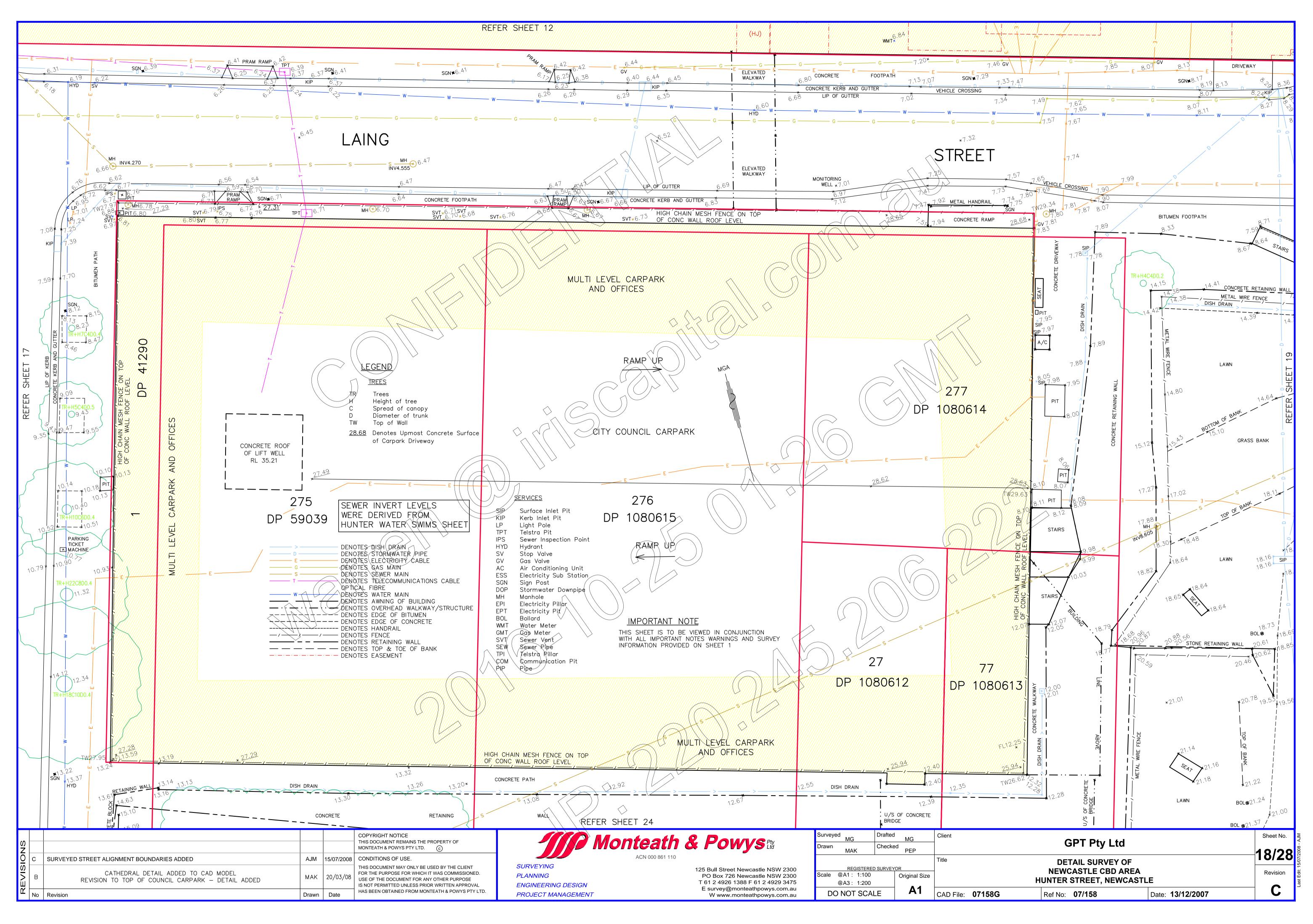
NGP

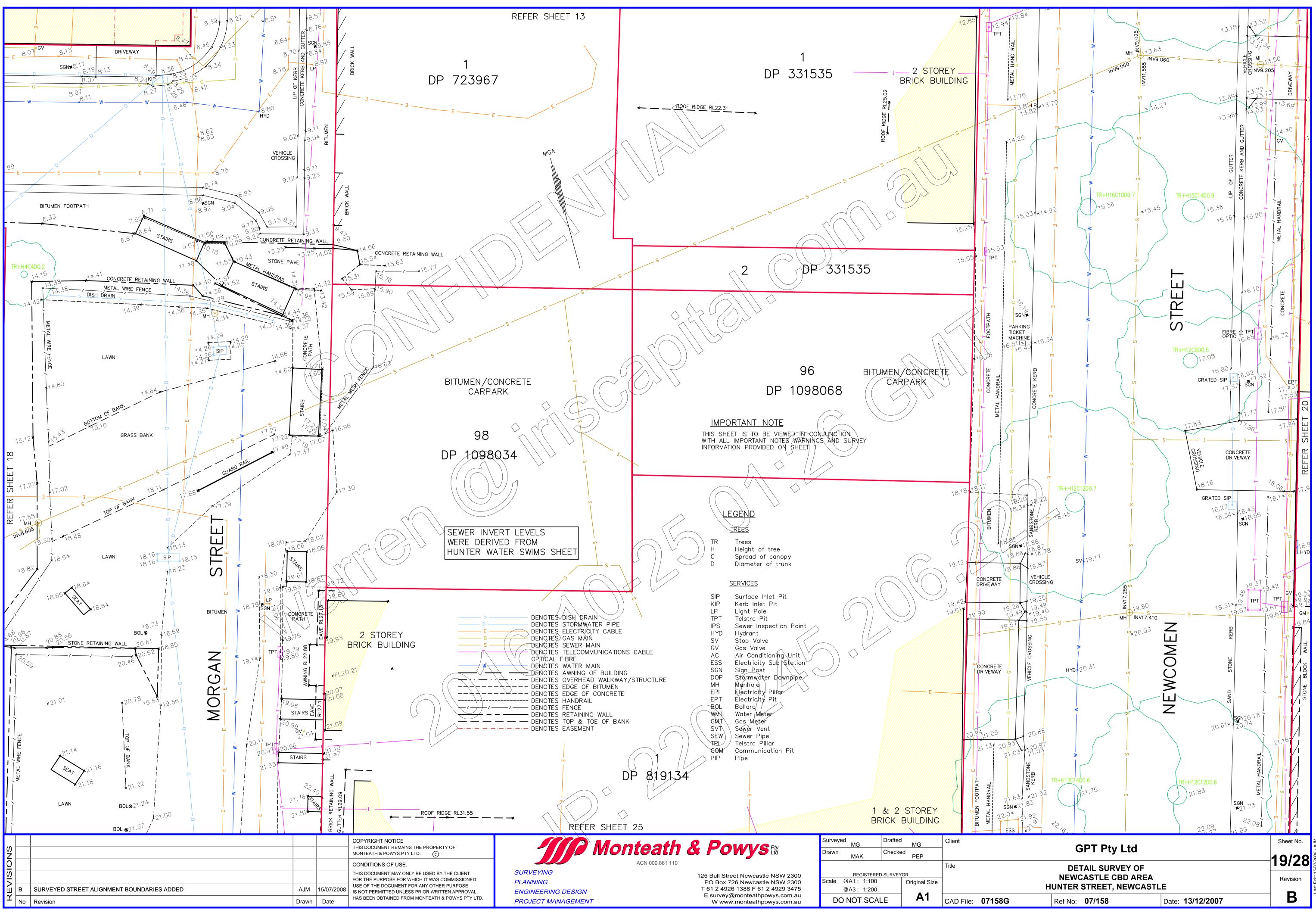
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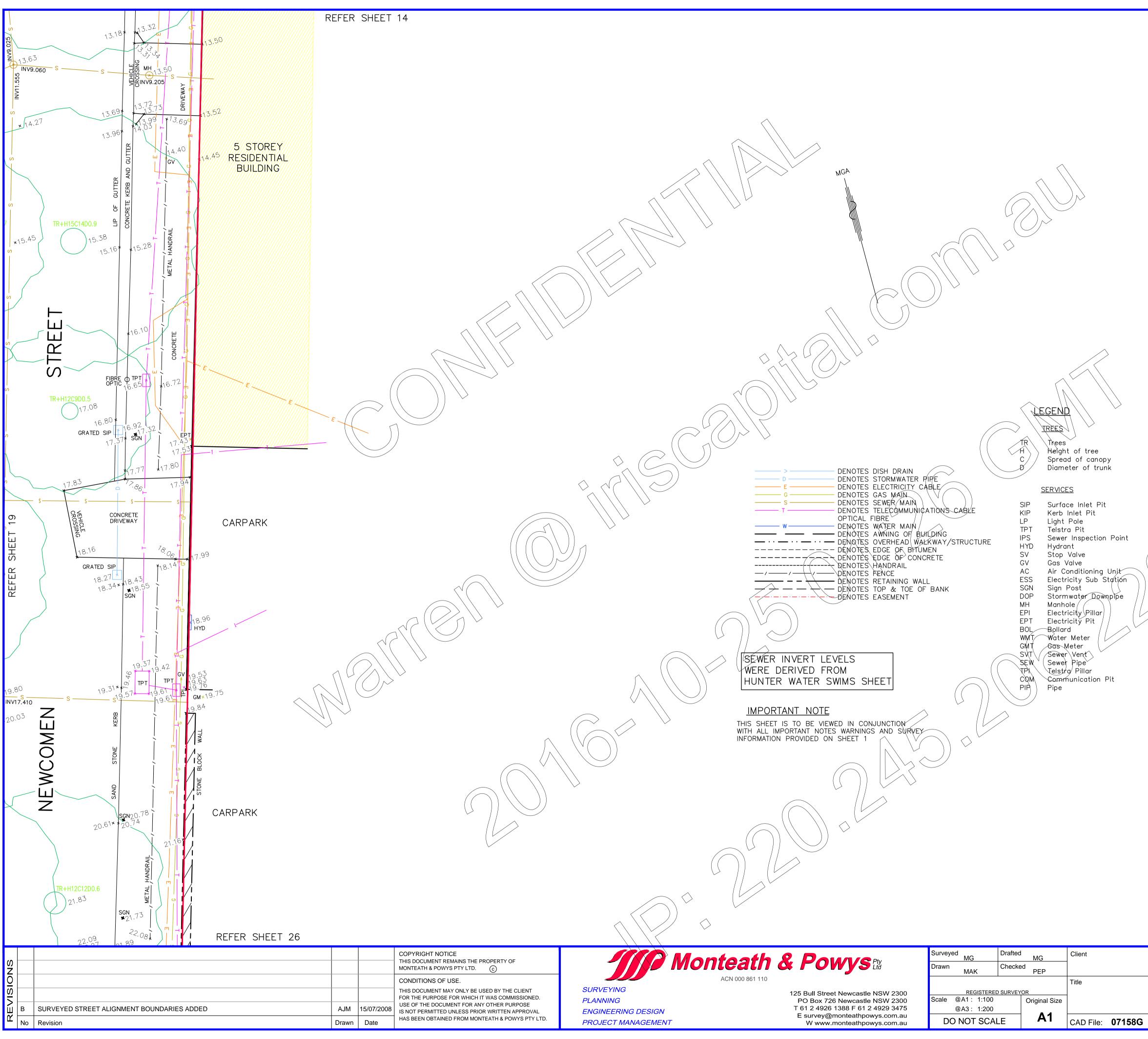
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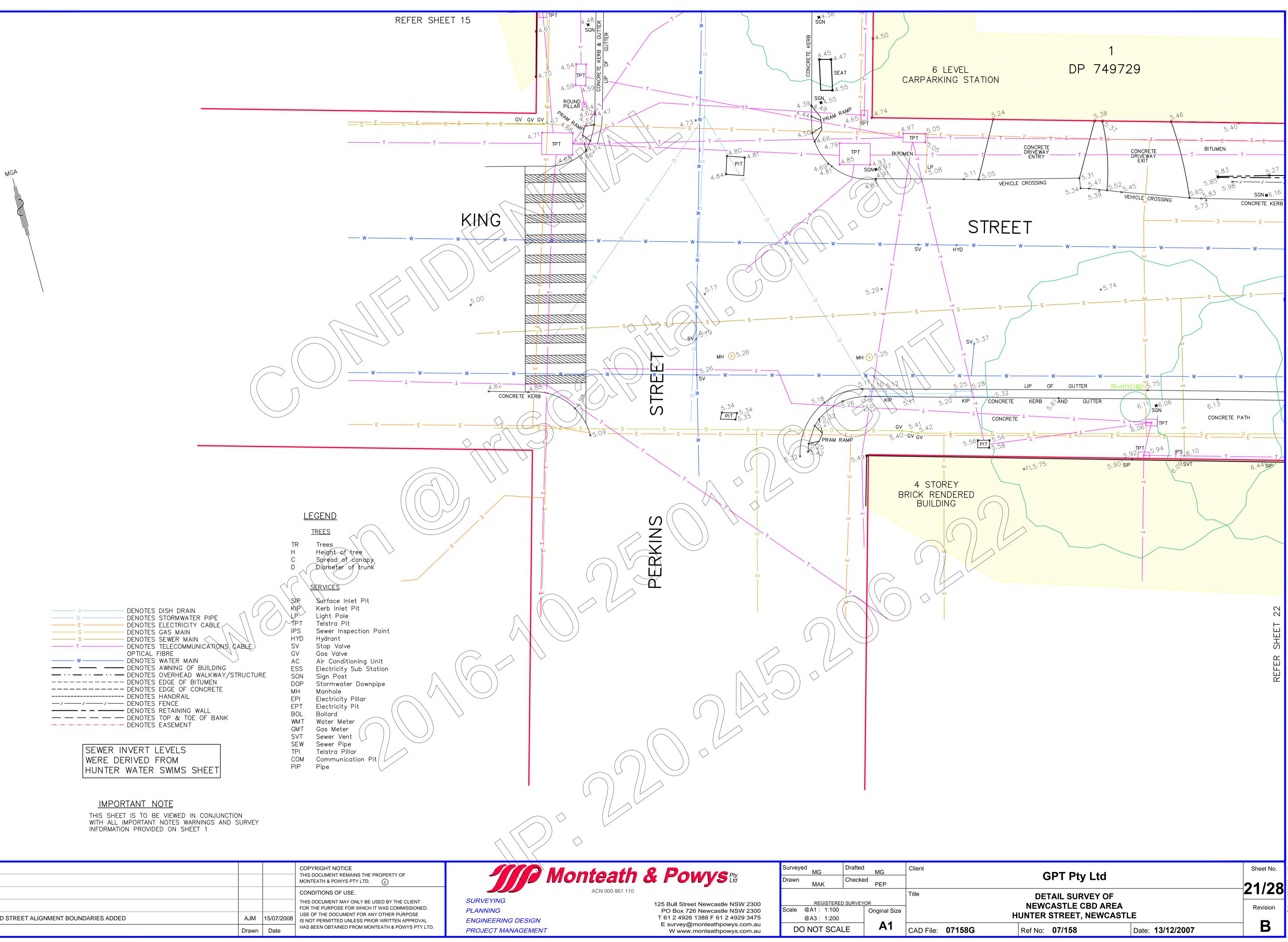




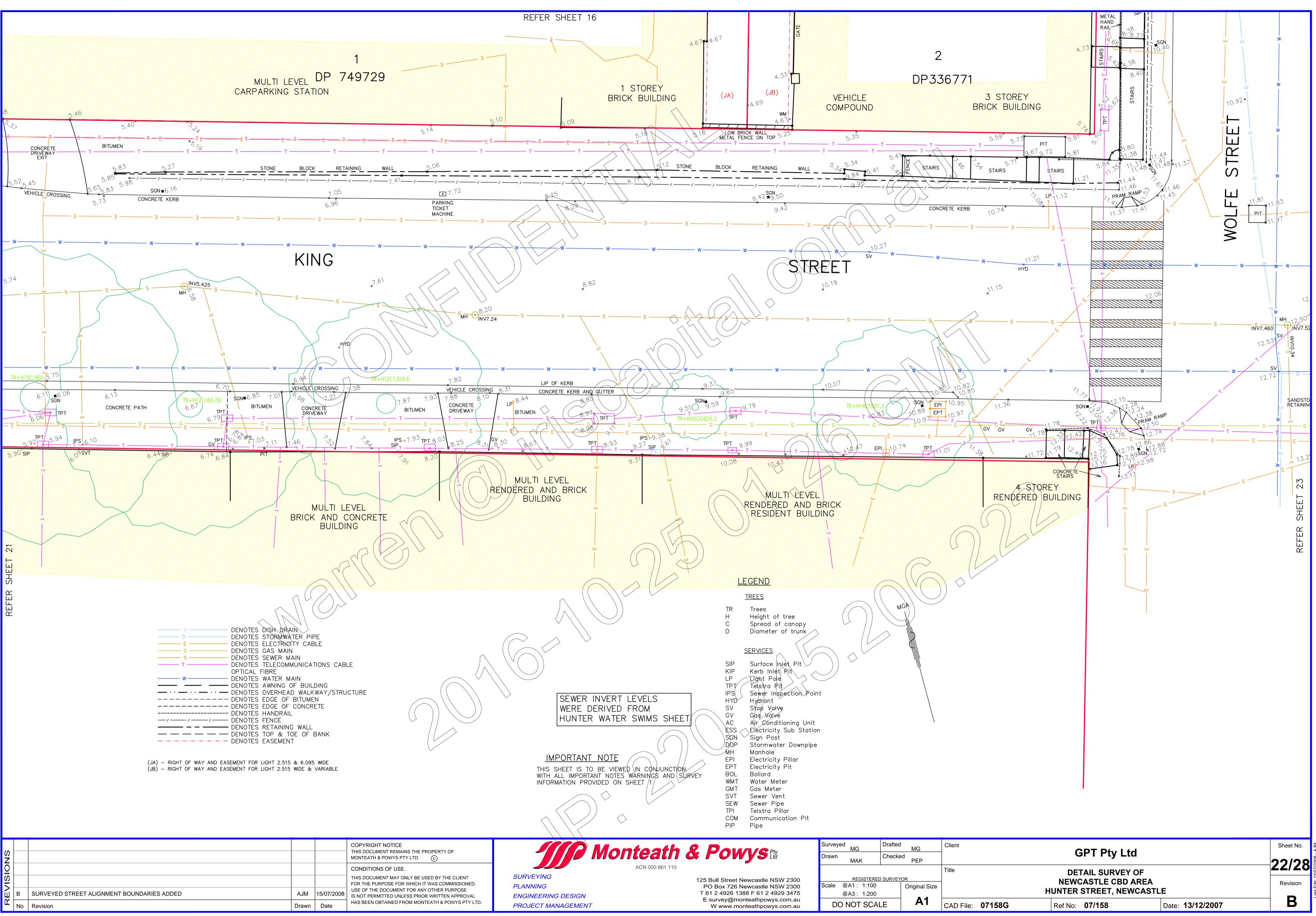
Sheet No. 20/28 Revision B

GPT Pty Ltd

<u> </u>							
DETAIL SURVEY OF							
NEWCASTLE CBD AREA							
HUNTER STREET, NEWCASTLE							
Ref No: 07/158	Date: 13/12/2007						

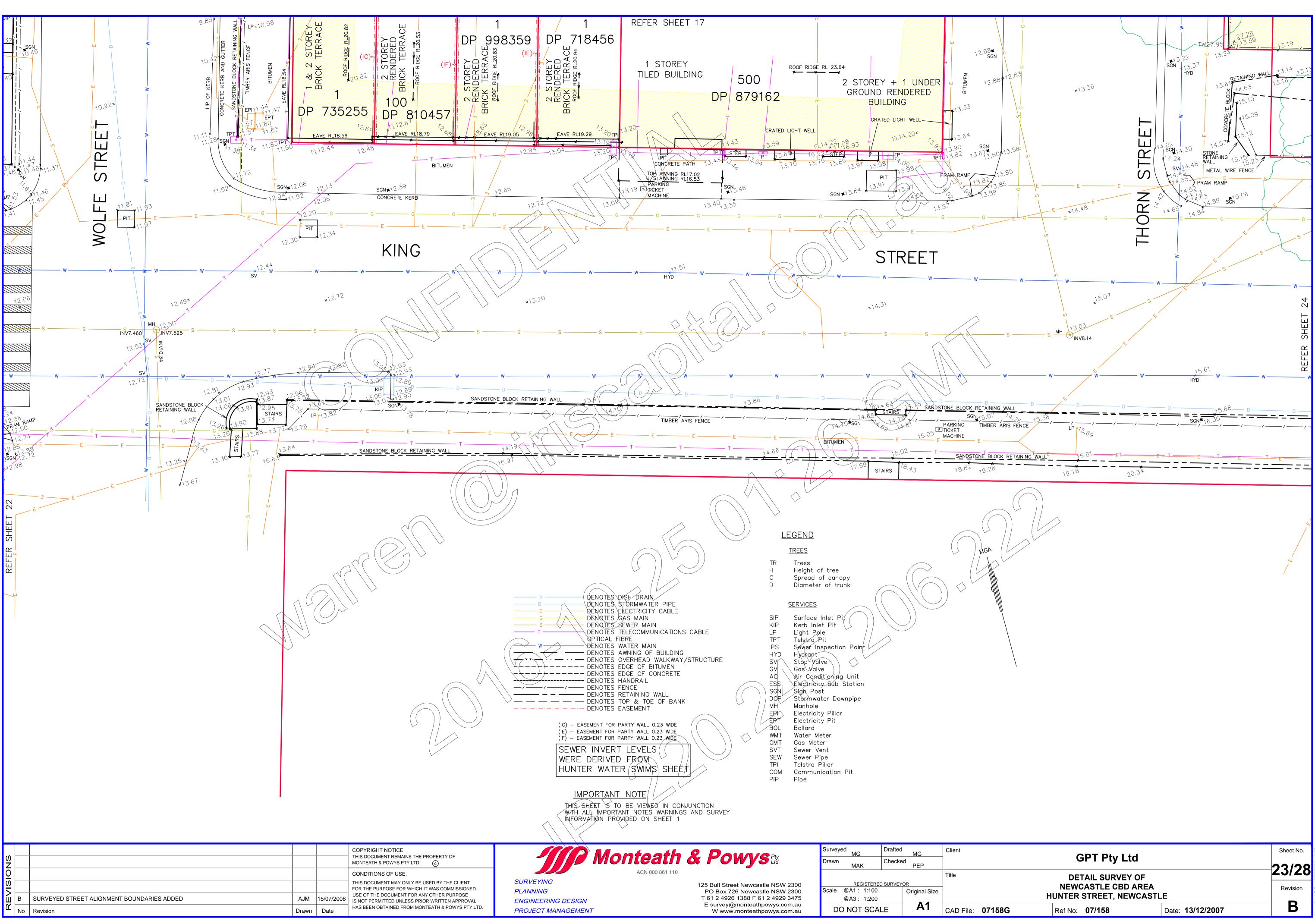


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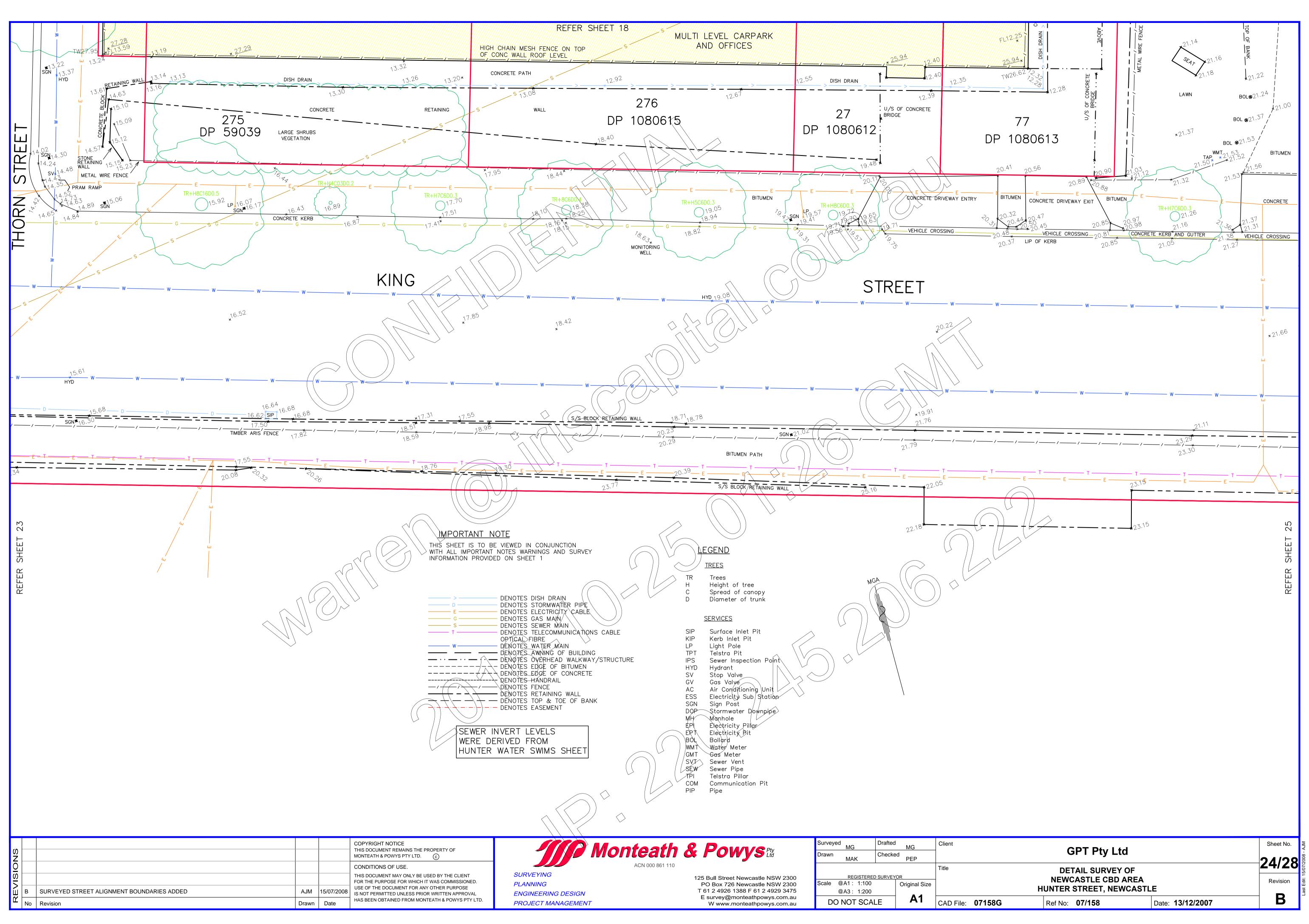
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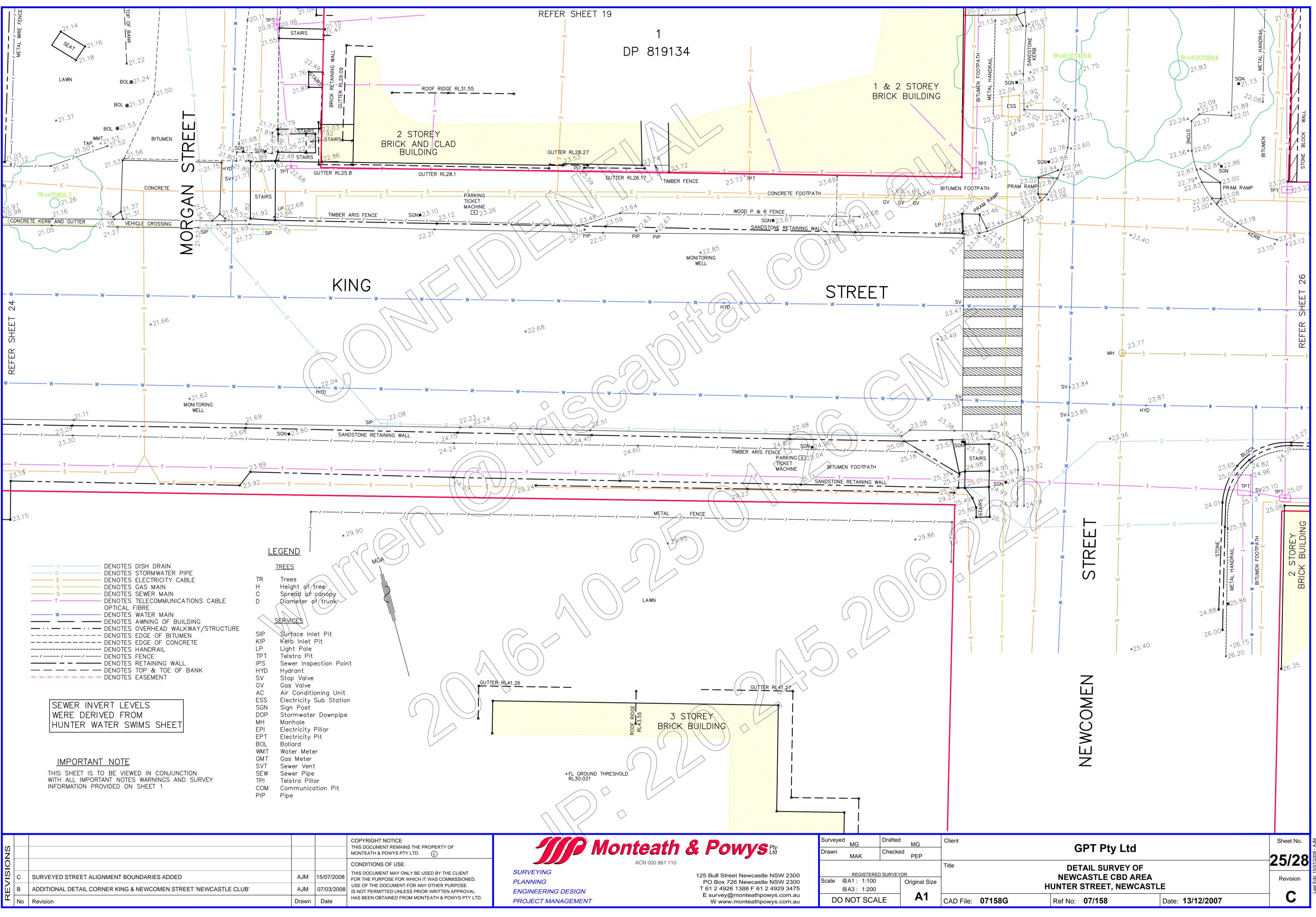


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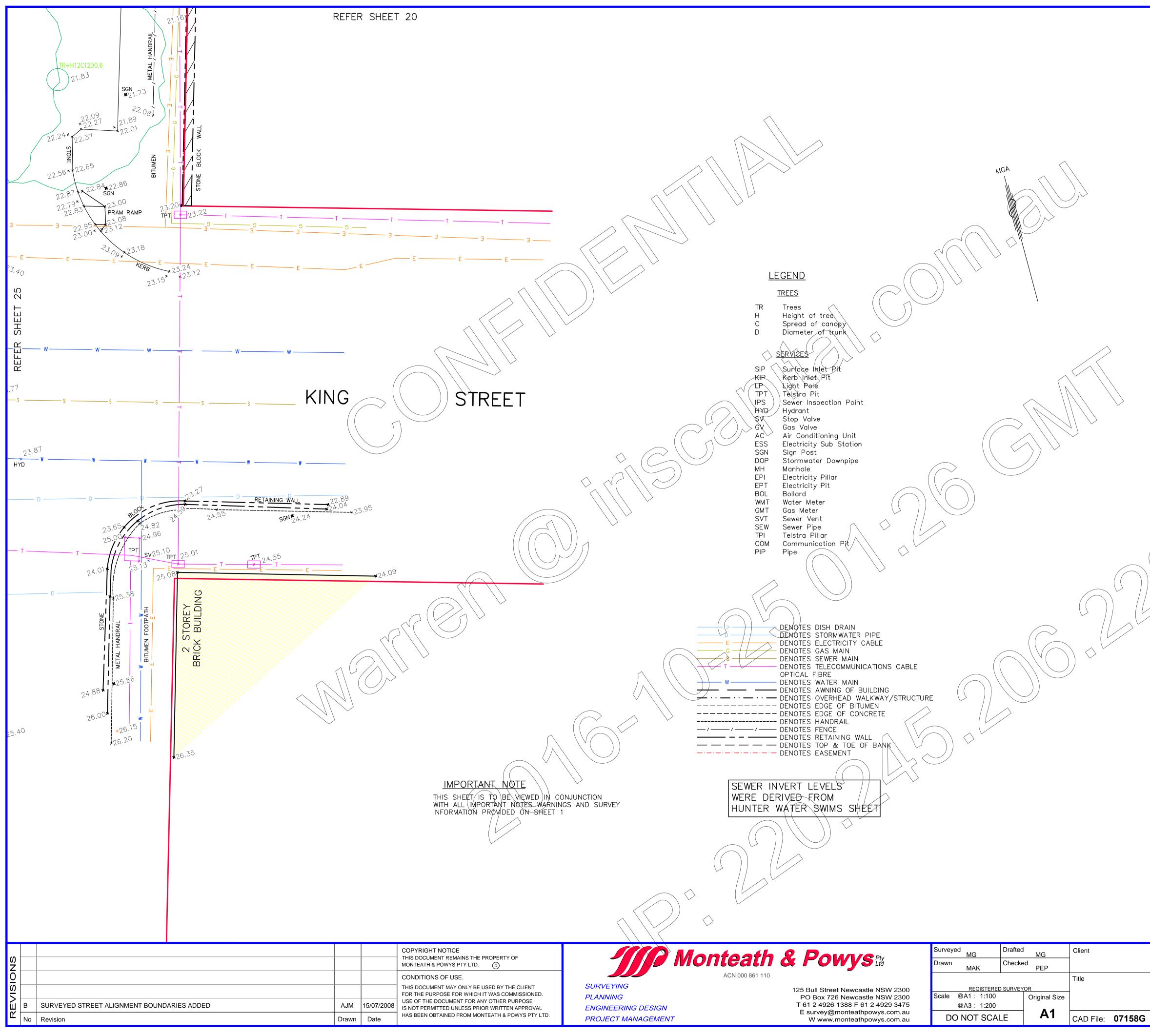
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10 Proposed Development > 10.14 Vol 3 Att A - Site Survey Plans, Hunter St, Newcastle.pdf



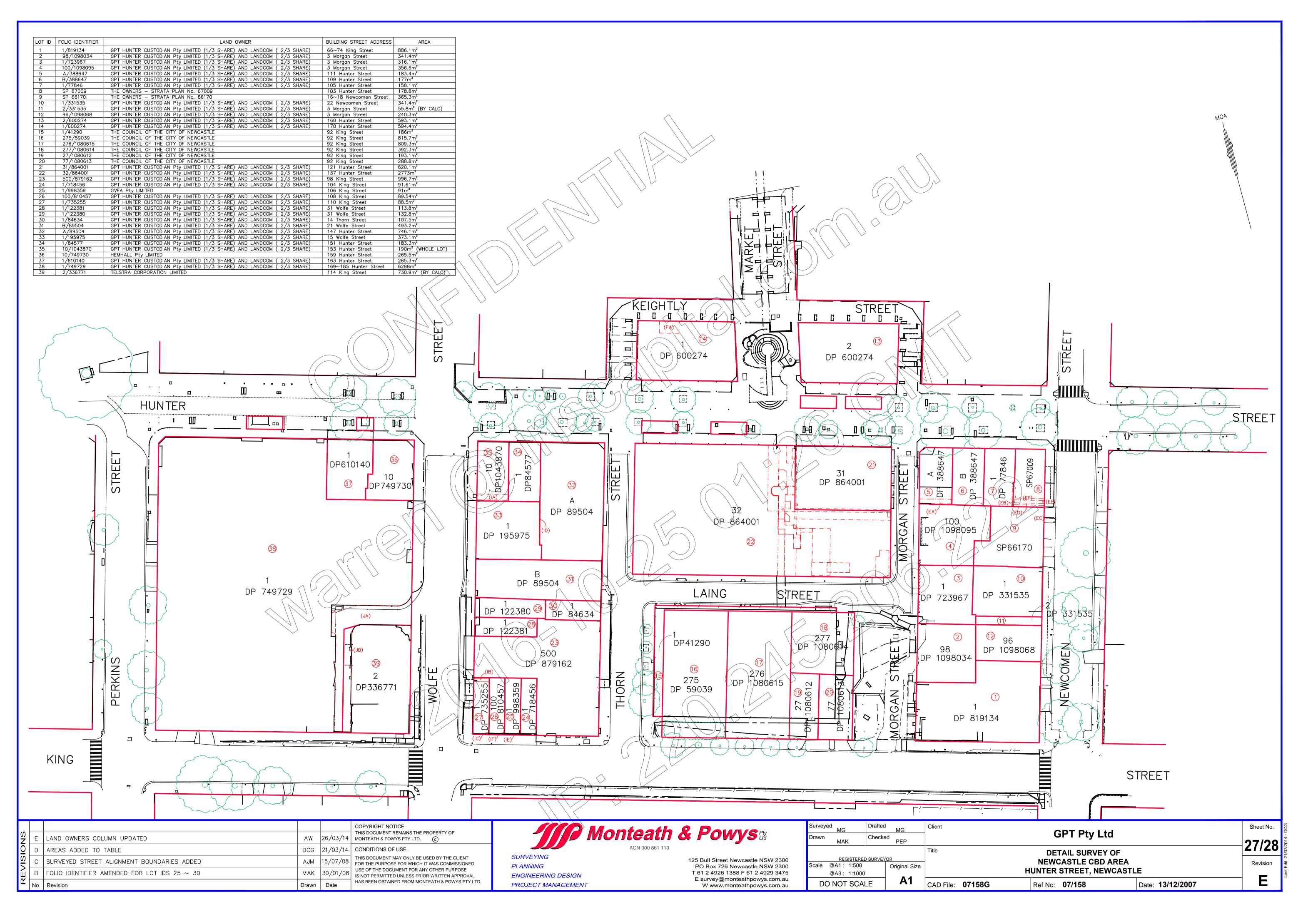
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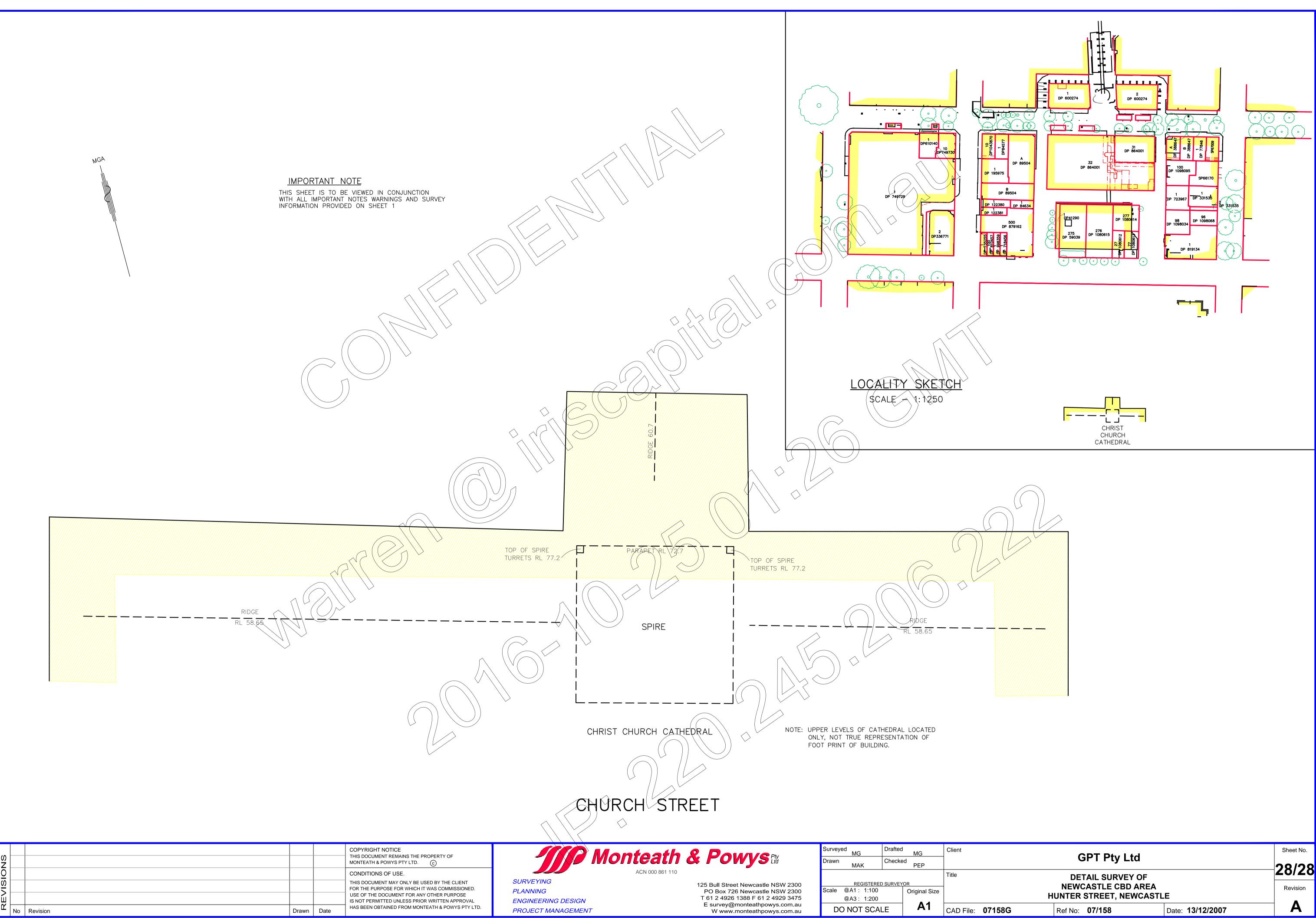


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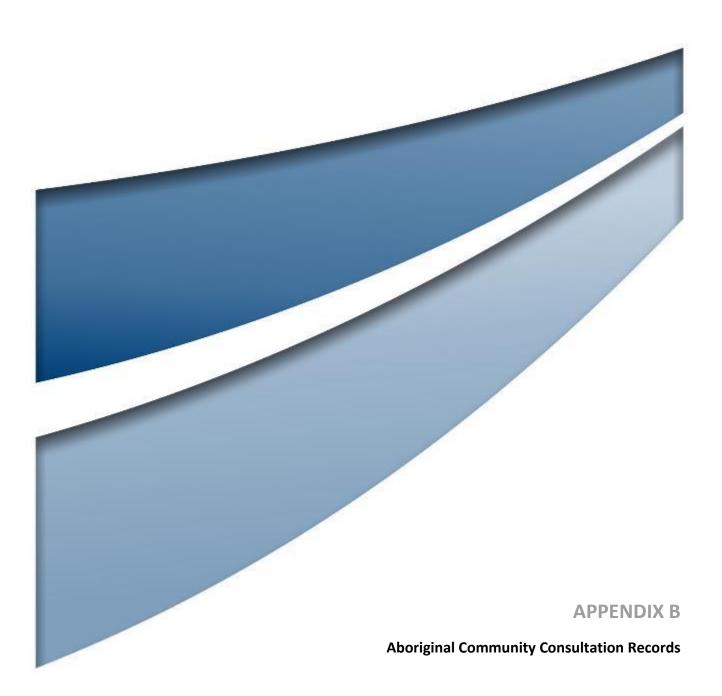
GPT Pty Ltd

DETAIL SURVEY OF								
NEWCASTLE CBD AREA								
HUNTER STREET, NEWCASTLE								
Ref No: 07/158	Date: 13/12/2007							





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Contact ABORIGINAL CONSULTATION R	Contacted By ECORD	Method	Date	Notes
Stages 3 and 4 of the Newcastle East End Project				Project #: 22954
Stage 1 – Notification of project Agency Letter Sent	proposal and registration	on of interest		
Heritage NSW	Umwelt (Lara Tooby)	Email (with attached letter)	2/03/2023	Follow up email send 10 March 2023.
City of Newcastle	Umwelt (Lara Tooby)	Email (with attached letter)	2/03/2023	
Awabakal Local Aboriginal Land Council	Umwelt (Lara Tooby)	Email (with attached letter)	2/03/2023	
Native Title Tribunal	Umwelt (Lara Tooby)	Email (with attached letter)	2/03/2023	
Office of the Registrar	Umwelt (Lara Tooby)	Email (with attached letter)	2/03/2023	
NTSCORP	Umwelt (Lara Tooby)	Email (with attached letter)	2/03/2023	
Hunter Local Land Services	Umwelt (Lara Tooby)	Email (with attached letter)	2/03/2023	
Agency Letter Responses (due 1	.0 March 2023)			Responded with search form to complete. A new request with the new search from was
Umwelt (Lara Tooby)	Native Title Tribunal Hunter Local Land	Email	2/03/2023	completed 10/03/2023. They responded again on 13/03/2023, and confirmed there was NNTT overlap. Recommended Umwelt contact the relevant Local Aboriginal Land Council, National
Umwelt (Lara Tooby)	Services	Email	2/03/2023	Native Title Tribunal.
Umwelt (Lara Tooby)	Office of the Registrar	Email (with attached letter)	7/03/2023	Brendan Smith (Senior Project Officer, Aboriginal Owners) suggested Umwelt contact Joint Management Coordinator for the Worimi Conservation Lands (Nadine Russell), and Awabakal and Worimi Local Aboriginal Land Councils.
Umwelt (Lara Tooby)	City of Newcastle	Email (with attached letter)	7/03/2023	Tom Smith (Heritage Planner) recommended we contact Awbakal Local Aboriginal Land Council.
Umwelt (Lara Tooby)	Heritage NSW	Email (with attached letter)	13/03/2023	Barry Gunther (Aboriginal Senior Assessment Officer) provided a list of stakeholders to contact. As per the Heritage NSW instructrions, this list (Doc23/16795)is not attached; and only the names, Heritage Now did not Do not reproduce the attached list and only the names of indiciduals and organisations who have been invited to consultation have been provided below.
Newspaper Public Notice (descr				
Newcastle Herald Expression of Interest Letter Se	Publication Date: nt	10-Mar-23		Tear sheet attached
Worimi Conservation Lands	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Awabakal Local Aboriginal Land Council	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Worimi Local Aboriginal Land Council	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
A1 Indigenous Services	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
AGA Services	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Aliera French Trading	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Arwarbukarl Cultural Resource Association, Miromaa	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
AT Gomilaroi Cultural Consultancy	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Awbakal & Guringai Pty Ltd	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Awabakal Descendants Traditional Owners	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Awabakal Traditional Owners Aboriginal Corporation	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Cacatua Culture Consultants	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Crimson-Rosie DFTV Enterprises	Umwelt (Lara Tooby) Umwelt (Lara Tooby)	Postal Letter Email (with attached letter)	13/03/2023 13/03/2023	
Deslee Talbott Consultants	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Didge Ngunawal Clan	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	

Gidawaa Walang & Barkuma Neighbourhood Centre	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Glen Morris	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Gomery Cultural Consultants	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Hunter Valley Cultural Surveying	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Indigenous Learning	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Jarban & Mugrebea	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Jumbunna Traffic Management Group Pty Ltd	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Kamilaroi Yankuntjatjara Working Group	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Kauma Pondee Inc.	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Kawul Pty Ltd trading as Wonn1 Sites	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Kevin Duncan	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Kyle Howie	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Lower Hunter Aboriginal Incorporated	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Lower Hunter Wonnarua Cultural Services	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Michael Green, Cultural Heritage Consultant	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Mindaribba Local Aboriginal Land Council	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Murra Bidgee Mullangari Aboriginal Corporation	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Mur-Roo-Ma Inc.	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Myland Cultural & Heritage Group	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
A&K Cultural Heritage	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Nukara Indigenous Cultural & Heritage	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Nur-Run-Gee Pty Ltd	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Renee Sales	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Roger Matthews Consultancy	Umwelt (Lara Tooby)	Postal Letter	13/03/2023	
Ron Smith	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Steve Talbott	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Tamara Towers	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Tocomwall Pty Ltd	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Trudy Smith	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	

WATTAKA Pty Ltd	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Widescope Indigenous Group	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Wonnarua Culture Heritage	Umwelt (Lara Tooby)	Postal Letter	13/03/2023	
Wonnarua Elders Council	Umwelt (Lara Tooby)	Postal Letter	13/03/2023	
Worimi Traditional Owners Indigenous Corporation	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Yinarr Cultural Services	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Yvette and Jackson Walker	Umwelt (Lara Tooby)	Email (with attached letter)	13/03/2023	
Expression of Interest Response	es	letter		
Umwelt (Lara Tooby)	Awabakal and Guringai (Tracey Howie and Kerrie Brauer)	Email	10/03/2023	Project Registration. Tracey was notified of the Project by Michael Owens (Lawyer and Consultant working in Native Title) who receives notifications about projects by NTSCORP NTSCORP forwarded him the Stage 1 notification, and he forwarded to his clients, including Awabakal and Guringai, who then wrote to us directly to register.
Umwelt (Lara Tooby)	Awabakal Traditional Owners Aboriginal Corporation (Kerrie Brauer)	Email	10/03/2023	Project registration as above (Kerrie was cc'd in the above email, with ATOAC being a seperate but linked organisation to A&G)
Umwelt (Lara Tooby)	Miromaa Aboriginal Language and Technology Centre (Jaqui Allen)	Email	13/03/2023	Project Registration. The organisation name of the registration (Miromaa Aboriginal Language and Technology Centre) supsersedes that from the Heritage NSW list (Arwarbukarl Cultural Resource Association, Miromaa)
Umwelt (Lara Tooby)	Didge Ngunawal Clan (Paul Boyd and Lilly Carroll)	Email	13/03/2023	Project Registration.
Umwelt (Lara Tooby)	Nukara Cultural Services	Email	13/03/2023	Project Registration. The organisation name of the registration (Nukara Cultural Services) supsersedes that from the Heritage NSW list (Arwarbukarl Cultural Resource Association, Miromaa)
Umwelt (Lara Tooby)	Jarban & Mugrebea (Les Atkinson)	Email	13/03/2023	Project Registration.
Umwelt (Lara Tooby)	Nur-Run-Gee Pty Ltd (Lennie Anderson)	Email	13/03/2023	Decline to Register as the Project Area is outside their cultural boundaries, (they noted that they would only attend if we could not contact Awabakal Traditional owners, and only with their permission. As Awabakal groups have registered for the Project, Nu-Run-Gee is not registered for their Project)
Umwelt (Lara Tooby)	Kevin Duncan	Email	13/03/2023	Project Registration.
Umwelt (Lara Tooby)	Trudy Smith	Email	13/03/2023	Project Registration. Trudy notes she has worked on the site during Stage 1 and Stage 2.
Umwelt (Lara Tooby)	Worimi Traditional Owners Indigenous Corporation (Candy Towers)	Email	13/03/2023	Project Registration.
Umwelt (Lara Tooby)	Kawul Pty Ltd trading as Wonn1 Sites (Arthur Fletcher)	Email	14/03/2023	Project Registration.
Umwelt (Lara Tooby)	AT Gomilaroi Cultural Consultancy (Aaron Talbott and Natalene Mercy)	Email	14/03/2023	Project Registration.
Umwelt (Lara Tooby)	Kamilaroi Yankuntjatjara Working Group (Phil Kahn)	Email	15/03/2023	Project Registration.
Umwelt (Lara Tooby)	Awabakal Descendants Traditional Owners Aboriginal Corporation (Peter Leven)	Phone	16/03/2023	Project Registration. At 9.37am, Peter Leven spoke to Lara Tooby to register Awabakal Descendants Traditional Owners in the Project.
Umwelt (Lara Tooby)	Murra Bidgee Mullangari Aboriginal Corporation (Darleen and Ryan Johnson)	Email	16/03/2023	Project Registration. Darleen noted they have a Site Officer from the area, and also attached their CV.
Umwelt (Lara Tooby)	Lower Hunter Aboriginal Incorporated (David Ahov)	Email	16/03/2023	Project Registration.
Umwelt (Lara Tooby)	A1 Indigenous Services (Carolyn Hickey)	Email	19/03/2023	Project Registration.
Umwelt (Lara Tooby)	Norman Archibald Yinarr Cultural Services	Email	20/03/2023	Project Registration. The organisation name of the registration (Norman Archibald) supsersedes that from the Heritage NSW list (Jumbunna Traffic Management Group Pty Ltd)
Umwelt (Lara Tooby)	(Kathie Steward	Email	21/03/2023	Project Registration.
Umwelt (Lara Tooby)	Kinchela) Anonymous	Email	25/03/2023	Project Registraton
	Awabakal Local		27/03/2023	Local Aboriginal Land Councils (LALCs) have a statutory obligation to take action to protect the culture and heritage of Aboriginal persons in the Council's area and to promote awareness in the community of the culture and heritage of Aboriginal persons i
Umwelt (Lara Tooby)	Aboriginal Land Council	Automatic		the Council's area within their boundaries (Aboriginal Land Rights Act 1983, s52(4). As such, the Awabkal LALC has been automatically listed as a RAPsnto fulfil their obligations.
Umwelt (Lara Tooby) Notification Letter Sent	Aboriginal Land			
	Aboriginal Land	Email with letter attached	28/03/2023	
Notification Letter Sent	Aboriginal Land Council	Email with letter	28/03/2023	

Methodology / Project Informa	tion Sent	1		
Awabakal and Guringai (Tracey Howie)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Awabakal Traditional Owners Aboriginal Corporation (Kerrie Brauer)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Miromaa Aboriginal Language and Technology Centre (Jaqui Allen)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Didge Ngunawal Clan (Paul Boyd and Lilly Carroll)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Nukara Cultural Services	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Jarban & Mugrebea (Les Atkinson)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Kevin Duncan	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Trudy Smith	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Worimi Traditional Owners Indigenous Corporation (Candy Towers)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Kawul Pty Ltd trading as Wonn1 Sites (Arthur Fletcher)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
AT Gomilaroi Cultural Consultancy (Aaron Talbott and Natalene Mercy)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Kamilaroi Yankuntjatjara Working Group (Phil Kahn)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Awabakal Descendants Traditional Owners Aboriginal Corporation (Peter Leven)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Murra Bidgee Mullangari Aboriginal Corporation (Darleen and Ryan Johnson)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Lower Hunter Aboriginal Incorporated (David Ahoy)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
A1 Indigenous Services (Carolyn Hickey)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Norman Archibald	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Yinarr Cultural Services (Kathie Steward Kinchela)	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Anonymous	Umwelt (Lara Tooby)	Email with letter attached	28/03/2023	
Awabakal Local Aboriginal Land	Umwelt (Lara Tooby)	Email with letter	28/03/2023	
Council		attached	28/03/2023	
Methodology / Project Informa Umwelt (Lara Tooby)	Didge Ngunawal Clan (Paul Boyd and Lilly Carroll)	Email	28/03/2024	Agrees with the methdology.
Umwelt (Lara Tooby)	Kawul Pty Ltd trading as Wonn1 Sites (Arthur Fletcher)	Email	28/03/2023	Acknowledgement of receipt of methodology
Umwelt (Lara Tooby)	AT Gomilaroi Cultural Consultancy (Aaron Talbott)	Email	29/03/2023	Support the methodological approach, and agrees with the predictions that based on previous excavations, a high amount of artefactual material can be expected on the site.
Stage 4 – Review of draft culture	al heritage assessment r	eport		
Draft Report Sent				
Awabakal and Guringai (Tracey Howie)	Umwelt (Lara Tooby)	Email	12/05/2023	
Awabakal Traditional Owners Aboriginal Corporation (Kerrie Brauer)	Umwelt (Lara Tooby)	Email	12/05/2023	
Miromaa Aboriginal Language and Technology Centre (Jaqui Allen)	Umwelt (Lara Tooby)	Email	12/05/2023	
Didge Ngunawal Clan (Paul Boyd and Lilly Carroll)	Umwelt (Lara Tooby)	Email	12/05/2023	
Nukara Cultural Services	Umwelt (Lara Tooby)	Email	12/05/2023	
Jarban & Mugrebea (Les Atkinson)	Umwelt (Lara Tooby)	Email	12/05/2023	
Kevin Duncan	Umwelt (Lara Tooby)	Email	12/05/2023	
Trudy Smith	Umwelt (Lara Tooby)	Email	12/05/2023	
Worimi Traditional Owners Indigenous Corporation (Candy Towers)	Umwelt (Lara Tooby)	Email	12/05/2023	
Kawul Pty Ltd trading as Wonn1 Sites (Arthur Fletcher)	Umwelt (Lara Tooby)	Email	12/05/2023	
AT Gomilaroi Cultural Consultancy (Aaron Talbott and Natalene Mercy)	Umwelt (Lara Tooby)	Email	12/05/2023	
Kamilaroi Yankuntjatjara Working Group (Phil Kahn)	Umwelt (Lara Tooby)	Email	12/05/2023	

Awabakal Descendants Traditional Owners Aboriginal Corporation (Peter Leven)	Umwelt (Lara Tooby)	Email	12/05/2023	
Murra Bidgee Mullangari				
Aboriginal Corporation (Darleen	Umwelt (Lara Tooby)	Email		
and Ryan Johnson)			12/05/2023	
Lower Hunter Aboriginal	Umwelt (Lara Tooby)	Email		
Incorporated (David Ahoy)	oniweit (Lara 100by)	Lindii	12/05/2023	
A1 Indigenous Services (Carolyn	Umwelt (Lara Tooby)	Email		
Hickey)			12/05/2023	
Norman Archibald	Umwelt (Lara Tooby)	Email	12/05/2023	
Yinarr Cultural Services (Kathie		[
Steward Kinchela)	Umwelt (Lara Tooby)	Email	12/05/2023	
Anonymous	Umwelt (Lara Tooby)	Email	12/05/2023	
Awabakal Local Aboriginal Land	Umwelt (Lara Teeby)	Email		
Council	Umwelt (Lara Tooby)	EIIIdii	12/05/2023	
Review of Draft Report				

Review of Draft Report				
Umwelt (Lara Tooby)	Awabakal Descendants Traditional Owners Aboriginal Corporation (Peter and Tori Leven)		22/05/2023	 Deter and Tori recommended that an additional in-person meeting should be undertaken between Umwelt and RAPs (and potentially the client) to finalise the AHIP methodology considering the below comments. This could be done at the Umwelt office. A similar meeting was held for earlier stages of the Project with Umwelt. They calculated that 54 1 x 1m pits is more accurate number of pits to be excavated across the Stage 2 and 3 blocks, as opposed to 30 pits currently proposed), if we are aiming for up to 1% of Project Area to be excavated. Deter pointed out that the skulls identified in 1923 in the Stage 3 area from the construction of the Borough Markets (summarised in Table 4.3 of our report) are the subject of ongoing repatriation discussions between Awabakal custodians and the Australian Museum, which currently hold the remains. He pointed out the report needs to consider the possibility that although the skulls were removed to the Museum, the remainder of the ancestral remains from the head down may still be located onsite, most likely in the Stage 3 area and associated street. We should therefore proceed with utmost caution in anticipation that there be scope for RAP monitoring (in the form of ongoing community collection) for the perimeter works, road works, and demolition works. Peter emphasised that this work could be done by a single RAP who is trained in Aboriginal cultural heritage identification, with the RAP collecting any artefacts uncovered during works, and to confirm that no ancestral remains are being impacted by works. At least some de-watering of site should occur prior to test excavation work occurring to ensure trenches are being excavated to appropriate depths.
Awabakal Descendants Traditional Owners Aboriginal Corporation (Peter and Tori Leven)	Umwelt (Lara Tooby)	Verbal - Phone call	6/07/2023	Umwelt contacted ADTOAC on 6/07/23 and provided Iris's responses to their issues (as outlined in Table 3.1 of the ACHA report). ADTOAC commented the following: • ADTOAC want to ensure there are mechanisms in place to ensure that sand sheet disturbance does not occur prior to archaeological test excavation as it did during Stage 2 of the East End Project, considering the high cultural sensitivity of the area. They understand that a historical archaeologist will be permitted onsite during many of these activities and request that due to the potential for human remains, an Aboriginal site officer also be present during these works as part of ongoing community collection. • ADTOAC note that the refusal to allow RAPS onsite for work health and safety concerns contradicts with their experience during Stage 1 and 2 of the East End Project, where they undertook excavation works whilst the site was an active construction site. ADTOAC see this stance as a contradiction and note that because Iris would allow a historical archaeologist to undertake some monitoring, ADTOAC believe that Iris is avoiding having RAP onsite in case they any cultural materials are identified that will delay works, as opposed to genuine health and safety concerns. ADTOAC requests that Iris reconsiders its position and want to collaboratively work with Iris in this next Stage of works.



Our Ref: 22954/Agency/22022023

2 March 2023

RE: Newcastle East End Project Stages 3 and 4: Agency Request for Aboriginal Consultation Process

Umwelt (Australia) Pty Ltd (Umwelt) on behalf of Iris Capital is seeking to identify Aboriginal organisations or Aboriginal persons who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or Aboriginal places within the Newcastle East End Project (Stages 3 and 4), Newcastle NSW (refer to **Figure 1** for indicative Project area).

Iris Capital is undertaking Stage 3 and 4 of the Newcastle East End Project (the Project), which proposes the redevelopment of the Hunter Street Mall. The Project will involve mixed use development comprising retail, commercial, public spaces, residential apartments, site works, street infrastructure services and designated basement car parking, generally in accordance with DA2017/00701.02.

The purpose of community consultation with Aboriginal people is to assist Iris Capital in:

- 1. assessing the Aboriginal cultural heritage values of the area;
- 2. complying with conditions of a development application under the *Environmental Planning and Assessment Act 1979* (EP&A Act);
- 3. to assist regulators in the assessment of Aboriginal heritage reports prepared for this project;
- 4. the preparation of an Aboriginal Heritage Impact Permit (AHIP) application (if required); and
- 5. any future applications under Part 4, Part 5, Part 4 Division 4.7 or Part 5.2 of the EP&A Act.

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* Umwelt requests information about relevant Aboriginal persons and Aboriginal organisations who you consider may have cultural knowledge and should be invited to register for consultation. Inspired People. Dedicated Team. Quality Outcomes.



T| 1300 793 267 E| info@umwelt.com.au

www.umwelt.com.au



Please provide a list of relevant organisations or persons by Monday 13 March to the details below:

c/o Umwelt Attn: Lara Tooby 75 York Street Teralba NSW 2284 Email: <u>ltooby@umwelt.com.au</u>

While Umwelt will endeavour to include late registrations, information received after **Monday 13 March** may be excluded from the consultation process due to the assessment timeframe.

Yours sincerely

Lara Tooby Senior Archaeologist

E | ltooby@umwelt.com.au M| 0416 094 225





Figure 1 Indicative Project area, Newcastle CBD

Figure illustrates Stage 3 (blue) and Stage 4 (red) of the Newcastle East End Project.

From:	Lara Tooby
Sent:	Thursday, 2 March 2023 11:07 AM
То:	heritagemailbox@environment.nsw.gov.au
Cc:	Tim Adams; warren@iriscapital.com.au; jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	22954_EastEnd34_AgncyRqstpdf

Dear Heritage NSW,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	Lara Tooby
Sent:	Thursday, 2 March 2023 11:07 AM
То:	information@ntscorp.com.au
Cc:	jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	22954_EastEnd34_AgncyRqstpdf

Dear NTSCORP,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

Inspired People | Dedicated Team | Quality Outcomes Newcastle | Orange | Sydney | Canberra | Brisbane | Perth | Melbourne

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From:	Lara Tooby
Sent:	Thursday, 2 March 2023 11:06 AM
То:	adminofficer@oralra.nsw.gov.au
Cc:	jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	22954_EastEnd34_AgncyRqstpdf

Dear Office of the Registrar,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby
Sent:	Thursday, 2 March 2023 11:06 AM
То:	enquiries@nntt.gov.au; geospatialsearch@nntt.gov.au
Cc:	jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	22954_EastEnd34_AgncyRqstpdf

Dear Native Title Tribunal,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	Lara Tooby
Sent:	Thursday, 2 March 2023 11:04 AM
То:	reception@awabakallalc.com.au;
Cc:	jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	22954_EastEnd34_AgncyRqstpdf

Dear Awabakal Local Aboriginal Land Council,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	Lara Tooby
Sent:	Thursday, 2 March 2023 11:04 AM
То:	mail@ncc.nsw.gov.au
Cc:	jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	22954_EastEnd34_AgncyRqstpdf

Dear City of Newcastle,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	Lara Tooby
Sent:	Thursday, 2 March 2023 11:03 AM
То:	admin.hunter@lls.nsw.gov.au
Cc:	jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	22954_EastEnd34_AgncyRqstpdf

Dear Hunter Local Land Services,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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When words There Emoli Emoli Emoli Connect with Classifieds

From:	Geospatial Search Requests <geospatialsearch@nntt.gov.au></geospatialsearch@nntt.gov.au>
Sent:	Thursday, 2 March 2023 1:29 PM
То:	Lara Tooby
Cc:	jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject:	RE: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process [SEC=OFFICIAL]
Attachments:	GeospatialSearch2020.dotx

OFFICIAL

Please note: We have attached a copy of our current form for your convenience. The form is also available from the Tribunal's website at this address: http://www.nntt.gov.au/assistance/Geospatial/Pages/Geospatial_Searches.aspx

Dear Lara Tooby,

Thank you for your search request.

To enable us to complete the search appropriately and adequately, please fill out the attached search form and return to us via <u>GeospatialSearch@NNTT.gov.au</u>

If you have any further queries, please do not hesitate to contact us via GeospatialSearch@NNTT.gov.au

Regards,

Geospatial Searches National Native Title Tribunal | Perth Email: <u>GeospatialSearch@nntt.gov.au</u> | <u>www.nntt.gov.au</u>

From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Thursday, 2 March 2023 8:06 AM
To: Enquiries <Enquiries@nntt.gov.au>; Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>
Cc: jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process

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

Dear Native Title Tribunal,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	Geospatial Search Requests <geospatialsearch@nntt.gov.au></geospatialsearch@nntt.gov.au>
Sent:	Monday, 13 March 2023 4:38 PM
То:	Lara Tooby
Subject:	RE: SR23/394 - 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process -
-	SR23/394 [SEC=OFFICIAL]

Your ref: 22954 EE3&4 ACHA Our ref: SR23/394

Dear Lara Tooby,

Thank you for your search request, please find your results below.

Search Results

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

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

Results for overlapping native title matters in NSW:

Feature ID	Tenure	Cadastre Data As At	Feature Area SqKm		Overlapping Nati
1//DP331535	FREEHOLD	5/09/2022	0.0003	NNTT File Number	Name
				<u>No overlap</u>	
1//DP723967	FREEHOLD	5/09/2022	0.0003	NNTT File Number	Name
				No overlap	
1//DP819134	FREEHOLD	5/09/2022	0.0009	NNTT File Number	Name
				No overlap	
100//DP1098095	FREEHOLD	5/09/2022	0.0004	NNTT File Number	Name
				No overlap	
2//DP331535	FREEHOLD	5/09/2022	0.0001	NNTT File Number	Name
				<u>No overlap</u>	
31//DP864001	FREEHOLD	5/09/2022	0.0006	NNTT File Number	Name
				<u>No overlap</u>	
32//DP864001	FREEHOLD	5/09/2022	0.0028	NNTT File Number	Name

				<u>No overlap</u>	
98//DP1098034	FREEHOLD	5/09/2022	0.0004	NNTT File Number	Name
				No overlap	

Please note: The following parcel listed below was not found on the National Native Title Tribunal's records as 13 March 2023. To enable us to complete the search appropriately and adequately please provide us with additional details e.g. **DETAILED** map, plan or shape file.

These items not found in NNTT Cadastre data in NSW:

Parcel ID
1//DP388647
96//DP1098066

For more information about the Tribunal's registers or to search the registers yourself and obtain copies of relevant register extracts, please visit our <u>website</u>.

Information on native title claims and freehold land can also be found on the Tribunal's website here: <u>Native title claims</u> and freehold land.

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

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

Search results and the existence of native title

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

The Tribunal accepts no liability for reliance placed on enclosed information

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

If you have any further queries, please do not hesitate to contact us via <u>GeospatialSearch@NNTT.gov.au</u>

Regards,

From: Lara Tooby <LTooby@umwelt.com.au>
 Sent: Friday, 10 March 2023 1:29 PM
 To: Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>
 Subject: SR23/394 - RE: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process [SEC=OFFICIAL]

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

Apologies for the late response – please find attached filled form.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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Please consider the environment before printing this email

From: Geospatial Search Requests <<u>GeospatialSearch@NNTT.gov.au</u>>
Sent: Thursday, 2 March 2023 1:29 PM
To: Lara Tooby <<u>LTooby@umwelt.com.au</u>>
Cc: jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject: RE: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process [SEC=OFFICIAL]

OFFICIAL

Please note: We have attached a copy of our current form for your convenience. The form is also available from the Tribunal's website at this address: <u>http://www.nntt.gov.au/assistance/Geospatial/Pages/Geospatial_Searches.aspx</u>

Dear Lara Tooby,

Thank you for your search request.

To enable us to complete the search appropriately and adequately, please fill out the attached search form and return to us via <u>GeospatialSearch@NNTT.gov.au</u>

If you have any further queries, please do not hesitate to contact us via GeospatialSearch@NNTT.gov.au

Regards,

From: Lara Tooby <<u>LTooby@umwelt.com.au</u>>
 Sent: Thursday, 2 March 2023 8:06 AM
 To: Enquiries <<u>Enquiries@nntt.gov.au</u>>; Geospatial Search Requests <<u>GeospatialSearch@NNTT.gov.au</u>>
 Cc: jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
 Subject: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process

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Dear Native Title Tribunal,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	LLS Admin Hunter Mailbox <admin.hunter@lls.nsw.gov.au></admin.hunter@lls.nsw.gov.au>
Sent:	Thursday, 2 March 2023 1:55 PM
То:	Lara Tooby
Subject:	RE: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process

Dear Lara

I am responding to your email dated 2.03.2023

Hunter LLS do not have a full list of all of the relevant Aboriginal Traditional Custodians that are within your project area. Could you please contact the relevant Local Aboriginal Land Council (LALC) for the list of Aboriginal Traditional Custodians that have interest within the project site area. See following link to LALC contact details: https://alc.org.au/land_council/

Also, please check the National Native Title Tribunal and search for Registered Native Title Claims for your area, to view list of Claims please access the following link: http://www.nntt.gov.au/searchRegApps/NativeTitleRegisters/Pages/Search-Register-of-Native-Title-Claims.aspx

For further questions please contact Toby Whaleboat on details below.

toby.whaleboat@lls.nsw.gov.au 0429 303 765

Kind Regards

Louise Cassidy Emergency Management Project Support & Customer Service Officer Hunter Local Land Services

T 0249 384 900 M 0428 936 765 E louise.cassidy@lls.nsw.gov.au

<u>lls.nsw.gov.au</u>

816 Tocal Rd, Paterson NSW 2421

Working Hours: Monday - Friday 8:30 to 4:30



How would you rate my service today?



Your opinion is valuable and will help us improve our service

We stand on Country that always was and always will be Aboriginal land. We acknowledge the Traditional Custodians of the land and waters, and we show our respect for Elders past, present and emerging. We are committed to providing places in which Aboriginal people are included socially, culturally and economically through thoughtful and collaborative approaches to our work.

From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Thursday, 2 March 2023 11:03 AM
To: LLS Admin Hunter Mailbox <admin.hunter@lls.nsw.gov.au>
Cc: jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process

Dear Hunter Local Land Services,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

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Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Brendan Smith <brendan.smith167@oralra.nsw.gov.au></brendan.smith167@oralra.nsw.gov.au>
Sent:	Tuesday, 7 March 2023 9:27 AM
То:	Lara Tooby
Subject:	RE: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process
Attachments:	20230307_AO Search_ACHA_proposed mixed use redevelopment, Hunter St Mall, East End Project,
	Stages 3 + 4, Newcastle_Umwelt_Worimi + Awabakal FINAL.pdf

OFFICIAL

Dear Lara,

Please find attached the response from the Office of the Registrar, ALRA to your email of 2 March 2023, regarding the proposed mixed-use redevelopment of Hunter Street Mall, Newcastle East End Project, Stages 3 and 4, in Newcastle, NSW.

If you have any further questions, please respond by return email.

Kind regards and best wishes,

Brendan

Brendan Smith Senior Project Officer, Aboriginal Owners Office of the Registrar, Aboriginal Land Rights Act 1983 Premier and Cabinet T (02) 8575 1160 M 0439 454 485 E <u>brendan.smith167@oralra.nsw.gov.au</u> www.oralra.nsw.gov.au

PO Box 787 PARRAMATTA NSW 2124 **Working days** Monday to Friday, 9:00 am – 5:00 pm



I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

The Office of the Registrar stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for Elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to supporting the return of land to Aboriginal people as compensation for past dispossession; and to support self-determination through participation and representation in the land council network.

Please consider the environment before printing this email.

From: Lara Tooby <<u>LTooby@umwelt.com.au</u>> Sent: Thursday, 2 March 2023 11:06 AM To: Admin Officer <<u>cor0826adminofficer@aboriginalaffairs.nsw.gov.au</u>>

Cc: jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au Subject: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process

Dear Office of the Registrar,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist Umwelt (Australia) Pty Limited Phone: 0416 094 225 www.umwelt.com.au

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Please consider the environment before printing this email

OFFICIAL

OFFICIAL

7 March 2023



By email: <u>ltooby@umwelt.com.au</u>

Lara Tooby Senior Archaeologist Umwelt 75 York Street TERALBA NSW 2284

Reference: Ref: 22954/Agency/22022023

Dear Lara,

Aboriginal Cultural Heritage Assessment – Aboriginal Community Consultation for proposed mixed use redevelopment of Hunter Street Mall (Newcastle East End Project, Stages 3 and 4), Newcastle, NSW: request for list of potential Aboriginal stakeholders

We refer to your letter to this Office, dated 2 March 2023, requesting contact information for Aboriginal organisations and/or people who may have cultural knowledge relevant to the proposed mixed use redevelopment of Hunter Street Mall, Newcastle East End Project, Stages 3 and 4, Newcastle, NSW, as part of an Aboriginal Cultural Heritage Assessment.

Under Section 170 of the *Aboriginal Land Rights Act* 1983 (NSW), the Office of the Registrar is required to maintain the Register of Aboriginal Owners (RAO) for New South Wales. The works you are proposing and location are in proximity to an area for which there are Registered Aboriginal Owners: Worimi Conservation Lands.

We suggest you contact the Joint Management Coordinator for the Worimi Conservation Lands (Nadine Russell 02 4984 8208 and <u>Nadine.Russell@environment.nsw.gov.au</u>), to ascertain whether the Board of Management is interested in the project.

We also suggest you contact Awabakal and Worimi Local Aboriginal Land Councils on the details provided below, as the nominated sites are within or immediately adjacent the LALCs' boundaries. and they may wish to participate or contribute.

Yours sincerely

Manisan

Brendan Smith Senior Project Officer Office of the Registrar, Aboriginal Land Rights Act 1983

Awabakal Local Aboriginal Land Council PO Box 101 ISLINGTON NSW 2287 Email: <u>ceo@awabakallalc.com.au</u> Phone: 02 4965 4532

Worimi Local Aboriginal Land Council PO Box 56 TANILBA BAY NSW 2319 T: 02 4033 8800 E: <u>andrew@worimi.org.au</u>

From:	Tom Smith <tsmith@ncc.nsw.gov.au></tsmith@ncc.nsw.gov.au>
Sent:	Tuesday, 7 March 2023 1:42 PM
То:	Lara Tooby
Subject:	Heritage Response - Request for identification of Aboriginal parties - RE: East End Stages 3 & 4
Attachments:	East End Stages 3 & 4, Newcastle - Letter to Proponents - Aboriginal Community Consultation.pdf

Hi Lara,

Please find attached.

Best regards

Tom Smith | Heritage Planner

City of Newcastle | Planning & Environment Planning, Transport & Regulation | Urban Planning

E: tsmith@ncc.nsw.gov.au | T: +61249742856

Newcastle is a liveable, sustainable, inclusive global city. **Cooperation** | Respect | Excellence | Wellbeing

City of Newcastle acknowledges the Traditional Custodians of the land of the Newcastle LGA, the Awabakal and Worimi peoples.



From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Thursday, March 2, 2023 11:04 AM
To: Official Mail <officialmail@ncc.nsw.gov.au>
Cc: jamie@iriscapital.com.au; Warwick Bowyer <warwick.bowyer@iriscapital.com.au>
Subject: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process

Dear City of Newcastle,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225 Governance.Smith.T Reference: PB2023/01187 Phone: 02 4974 2856



7 March 2023

Lara Tooby Senior Archaeologist Umwelt 75 York Street **TERALBA NSW 2284**

Dear Sir/Madam

Request No:	PB2023/01187
Land:	Lots 31 & 32 DP 864001, Lots A & B DP 388647, Lot 1 DP 77846, Lot 100 DP 1098095, Lot 1 DP 723967, Lots 96 & 98 DP 1098034, Lot 1 DP 819134
Property Address:	105, 109, 111 and 121 Hunter Street, 1 and 3 Morgan Street Newcastle NSW 2300
Proposed Development:	East End Stages 3 & 4

I refer to your request dated 2 March 2023 for information of relevant Aboriginal interest groups within the Newcastle Local Government Area who may hold cultural knowledge or have right of interest in the proposed development works at the above property.

I advise that Aboriginal cultural information and stakeholder lists can be obtained from Local Aboriginal Land Councils. I would suggest approaching the Awabakal Local Aboriginal Land Council for stakeholder information.

Chief Executive Officer Awabakal Local Aboriginal Land Council 127 Maitland Road PO Box 101 ISLINGTON NSW 2296 Phone: 02 4965 4532 Email: ceo@awabakallalc.com.au

Should you have any further questions in this regard please contact Tom Smith on (02) 4974 2856.

Yours faithfully

Tom Smith HERITAGE PLANNER

From:	Barry Gunther <barry.gunther@environment.nsw.gov.au></barry.gunther@environment.nsw.gov.au>
Sent:	Monday, 13 March 2023 10:31 AM
То:	Lara Tooby
Subject:	DPE Aboriginal stakeholder list for Newcastle East End Project (Stages 3 and 4).
Attachments:	22954_EastEnd34_AgncyRqstpdf; Aboriginal Stakeholder list request Newcastle East End Project
	(Stages 3 and 4).docx; Aboriginal Stakeholder List- Newcastle Local Government Area - LIST OF
	ABORIGINAL STAKEHOLDERS FOR THE DEPARTMENT of PLANNING and ENVIRONMENT.docx

Hi Lara,

Please find attached the DPE Aboriginal stakeholder list for Newcastle East End Project (Stages 3 and 4).

Sorry about the formatting – having trouble with XL.

Is it readable enough for you?

regards

Barry Gunther, Aboriginal Senior Assessment Officer Environment and Heritage – Heritage NSW Department of Planning and Environment T: 02 9995 6830 | barry.gunther @environment.nsw.gov.au Heritage.nse.gov.au and dpie.nsw.gov.au Locked Bag 5020 Parramatta NSW 2124



OVERNMENT Heritage NSW Department of Planning and Environment

Please lodge all Applications to Heritagemailbox@environment.nsw.gov.au

Website Facebook Instagram LinkedIn

The Heritage Management System is live from 31 May. More information is available here

I acknowledge and respect the traditional custodians and ancestors of the lands I work across.

Heritage NSW and coronavirus (COVID-19)

Heritage NSW has taken steps to protect the safety, health and wellbeing of our staff, communities and customers. Whilst our offices remain open, we have put in place flexible working arrangements for our teams across NSW and continue to adapt our working arrangements as necessary. Face-to-face meetings and field work/site visits with our customers are subject to rules on gatherings and social distancing measures. We thank you for your patience and understanding at this time.

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Our Ref: 22954/EOI/09032023

13 March 2023

RE: Newcastle East End Project Stages 3 and 4: Expression of Interest - Aboriginal Consultation Process

Iris Capital (the proponent) is undertaking Stages 3 and 4 of the Newcastle East End Project, which will involve the mixed use redevelopment of the Hunter Street Mall, Newcastle NSW, generally in accordance with DA2017/00701.02.

Umwelt is facilitating Aboriginal community consultation for the project. Aboriginal organisations or Aboriginal persons who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or Aboriginal places in the area of the proposal are invited to register an interest in a process of community consultation with the proponent regarding the proposal. The details of your organisation were provided to Heritage Now at the completion of step 4.1.2 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010, now Heritage NSW). We are writing to you to ask if you would like to register an expression of interest to participate in the Aboriginal consultation for the project.

The purpose of community consultation with Aboriginal people is to assist Iris Capital in:

- 1. assessing the Aboriginal cultural heritage values of the area;
- 2. complying with conditions of a development application under the *Environmental Planning and Assessment Act 1979* (EP&A Act);
- 3. assisting regulators in the assessment of Aboriginal heritage reports prepared for this project;
- 4. assisting the the preparation of an Aboriginal Heritage Impact Permit (AHIP) application (if required); and
- 5. assisting with any future applications under Part 4, Part 5, Part 4 Division 4.7 or Part 5.2 of the EP&A Act.

Registrations of interest must be submitted to Lara Tooby (Umwelt Senior Heritage Consultant, Itooby@umwelt.com.au) on or before **27 March 2023.** Registrations should include the name of a contact person, addresses, and other relevant contact details, preferably including an email address. The names of registered Aboriginal parties will be passed on to the relevant Local Aboriginal Land Council and Heritage NSW unless a request to the contrary is made. Inspired People. Dedicated Team. Quality Outcomes.



ABN 18 059 519 041

T| 1300 793 267 E| info@umwelt.com.au

www.umwelt.com.au



Please note that registration of interest does not guarantee paid involvement, and that While Umwelt will endeavour to include late registrations, information received after **[14-days from sent date]** may be excluded from the consultation process due to the assessment timeframe.

Yours sincerely,

Lara Tooby Senior Archaeologist

E | ltooby@umwelt.com.au M| 0416 094 225

Proponent contact: Jamie Boswell (jamie@iriscapital.com.au)



Figure 1 Indicative Project area, Newcastle CBD

Figure illustrates Stage 3 (blue) and Stage 4 (red) of the Newcastle East End Project.

To:Tracey HowieSubject:RE: ACHA - Newcastle East End Project - 2 March 2023

From: Tracey Howie <tracey@guringai.com.au>
Sent: Friday, 10 March 2023 3:27 PM
To: Lara Tooby <LTooby@umwelt.com.au>
Cc: Kerrie Brauer <kerrie@awabakal.com.au>
Subject: Fwd: ACHA - Newcastle East End Project - 2 March 2023

Dear Lara,

Please register Awabakal & GuriNgai Pty.Ltd. for the proposed Newcastle East End Project. We are the traditional bloodline custodians of this region and have deep cultural and spiritual connections to this region.

It is our obligation to our ancestors and our responsibility to our Country, to maintain, protect and conserve our cultural heritage.

We look forward to hearing from you in regards to this project.

Kind regards, Tracey Howie А W A B A K A L & G U R I N G A I

Tracey Howie | Director | Awabakal & Guringai Pty Ltd ABN : 81 609 498 491 | ACN : 609 498 491 M : 0404 182 049 | E : <u>tracey@guringai.com.au</u> PO Box 122 Rutherford NSW 2320 Australia

Begin forwarded message:

From: Michael John Owens <<u>michael@mowens.com.au</u>> Subject: FW: ACHA - Newcastle East End Project - 2 March 2023 Date: 10 March 2023 at 10:42:21 am AEDT To: "<u>awabakal_to@bigpond.com</u>" <<u>awabakal_to@bigpond.com</u>>, "<u>bimson59@gmail.com</u>" <<u>bimson59@gmail.com</u>>, "<u>peterleven@y7mail.com</u>" <<u>peterleven@y7mail.com</u>>, "<u>kerrie@awabakal.com.au</u>" <<u>kerrie@awabakal.com.au</u>>, "<u>amanda@awabakal.com.au</u>" <<u>amanda@awabakal.com.au</u>>, "<u>tracey@guringai.com.au</u>" <<u>tracey@guringai.com.au</u>>, Shane F <shanefrost@bigpond.com> Michael Owens Lawyer and Consultant Native Title, Cultural Heritage and PBC Governance and Support. PO Box 1989, Aitkenvale, Qld, 4814. P: +61 418 181 004 Email: <u>michael@mowens.com.au</u>

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From: NTSCORP Notifications <<u>notifications@ntscorp.com.au</u>> Sent: Thursday, March 9, 2023 8:48 AM Subject: ACHA - Newcastle East End Project - 2 March 2023

Dear all,

Please see attached notice of an ACHA.

Umwelt (Australia) Pty Ltd (Umwelt) on behalf of Iris Capital is seeking to identify Aboriginal organisations or Aboriginal persons who hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or Aboriginal places within the Newcastle East End Project.

Iris Capital is undertaking Stage 3 and 4 of the Newcastle East End Project which proposes the redevelopment of the Hunter Street Mall. The Project will involve mixed use development comprising retail, commercial, public spaces, residential apartments, site works, street infrastructure services and designated basement car parking,

See Figure 1 in the attached notice for a map indicating the exact location of the proposed works.

To register an interest in the project, please contact Umwelt.

Kind regards Ashwyn Sormus | Paralegal



NTSCORP proudly acknowledge that our office is situated on the country of the Gadigal People. We also acknowledge and pay our respect to their Elders past and present. t 61 2 9310 3188 f 02 9310 4177 e: asormus@ntscorp.com.au | w www.ntscorp.com.au Level 1, 44-70 Rosehill Street, Redfern, NSW 2016 Australia

NTSCORP is committed to supporting local Aboriginal businesses where possible through the purchase of goods and services. Caution: This message is intended only for the addressee. It is confidential and may be legally privileged. If you are not the intended recipient, any disclosure, copying, or distribution is prohibited and may be unlawful. By opening any attachment, you agree that NTSCORP Limited (NTSCORP) will not be liable for any loss resulting from viruses or other defects. Any views in this message are those of the individual sender, except where the sender expressly and with authority, states them to be the views of NTSCORP. Please consider the environment before printing this email

From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Thursday, 2 March 2023 11:07 AM
To: Info <information@ntscorp.com.au
Cc: jamie@iriscapital.com.au; warwick.bowyer@iriscapital.com.au
Subject: 22954 EE3&4 ACHA - Agency Request for Aboriginal Consultation Process</pre>

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CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear NTSCORP,

Please find attached letter seeking information on Aboriginal persons and Aboriginal organisations who should be invited to register for consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.*

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:Jacqui Allen <jacqui@awabakallanguage.org.au>Sent:Monday, 13 March 2023 1:56 PMTo:Lara ToobySubject:RE: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Hi Lara, Thank you for including us. Please register us as part of the Project.

Regards Jacqui Allen Awabakal Language Team

Miromaa Aboriginal Language and Technology Centre

Mon – Fri 9am to 5pm

P | 02 4940 9100 DL | 02 49409102 E<u>|jacqui@awabakallanguage.org.au</u> W <u>www.awabakallanguage.org.au</u> B | <u>Book a Meeting</u>

From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Monday, 13 March 2023 12:25 PM
To: Contact <contact@acra.org.au>
Subject: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Dear Arwarbukarl Cultural Resource Association, Miromaa,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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Please Note:

From:	lilly carroll <didgengunawalclan@yahoo.com.au></didgengunawalclan@yahoo.com.au>
Sent:	Monday, 13 March 2023 2:00 PM
То:	Lara Tooby
Subject:	Newcastle East End Project Stages 3 and 4.

Hi Lara

DNC would like to register an interest into Newcastle East end project

Kind regards Paul Boyd & Lilly Carroll Directors DNC 0426823944

Sent from Yahoo Mail for iPhone

On Monday, March 13, 2023, 12:56 pm, Lara Tooby <LTooby@umwelt.com.au> wrote:

Dear Didge Ngunawal Clan,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.*

Kind regards,

Lara Tooby

Senior Archaeologist

Umwelt (Australia) Pty Limited

Phone: 0416 094 225

From:	Leslie Atkinson <les.atkinson@hotmail.com></les.atkinson@hotmail.com>
Sent:	Monday, 13 March 2023 3:17 PM
То:	Lara Tooby
Subject:	RE: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Hi Lara

Yes we wish to be consulted on this project and express an interest in sites work We hold relevant COCs public liability and workers comp (copies available on request Thank you Les

Sent from Mail for Windows

From: Lara Tooby
Sent: Monday, March 13, 2023 1:07 PM
To: les.atkinson@hotmail.com
Subject: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Dear Jarban & Mugrebea,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Leslie Atkinson <les.atkinson@hotmail.com></les.atkinson@hotmail.com>
Sent:	Monday, 13 March 2023 3:17 PM
То:	Lara Tooby
Subject:	RE: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Hi Lara

Yes we wish to be consulted on this project and express an interest in sites work We hold relevant COCs public liability and workers comp (copies available on request Thank you Les

Sent from Mail for Windows

From: Lara Tooby
Sent: Monday, March 13, 2023 1:07 PM
To: les.atkinson@hotmail.com
Subject: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Dear Jarban & Mugrebea,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Kevin Duncan <kevin.duncan@bigpond.com></kevin.duncan@bigpond.com>
Sent:	Monday, 13 March 2023 4:58 PM
То:	Lara Tooby
Subject:	RE: Aboriginal community consultation for the Newcastle East End ProjectStages 3 and 4.

Hi Lara, thank you for the invitation to register for the Newcastle East End project stages 3 & 4 to which I would like to confirm my registration please , Thank you Kevin Duncan

Sent from Mail for Windows

From: Lara Tooby Sent: Monday, 13 March 2023 1:19 PM To: <u>kevin.duncan@bigpond.com</u> Subject: Aboriginal community consultation for the Newcastle East End ProjectStages 3 and 4.

Dear Kevin Duncan,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Worimi TOC <worimitoc@hotmail.com></worimitoc@hotmail.com>
Sent:	Monday, 13 March 2023 10:36 PM
То:	Lara Tooby
Subject:	Re: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Hi Lara,

On behalf of Worimi TOIC and its members I would like to register for the stages 3 and 4 for Newcastle East End Project.

I'll say cheerio for now, Candy

Candy Towers Worimi Cultural Advisor Worimi Traditional Owners Indigenous Corporation ph: 0412 475 362 e: worimitoc@hotmail.com



Guudji Yiigu, I am a Worimi and Yorta Yorta woman from Newcastle NSW, I acknowledge and pay my respects to the traditional owners and custodians of the land on which I live and work, to their continuing connection to land, water, culture and community and pay my respects to the Elders past, present and to our future generations.

From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Monday, 13 March 2023 1:53 PM
To: worimitoc@hotmail.com <worimitoc@hotmail.com>
Subject: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Dear Worimi Traditional Owners Indigenous Corporation,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby

From:	Arthur Fletcher <wonn1sites@gmail.com></wonn1sites@gmail.com>
Sent:	Tuesday, 14 March 2023 6:41 AM
То:	Lara Tooby
Subject:	Re: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Hi Lara. We hope all is well with you guys. Yes we would like to be consulted in all ways with this project. Arthur -Kauwul and Lynne and Families.

On Mon, 13 Mar 2023 at 1:18 pm, Lara Tooby <<u>LTooby@umwelt.com.au</u>> wrote:

Dear Kawul Pty Ltd trading as Wonn1 Sites.

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby

Senior Archaeologist

Umwelt (Australia) Pty Limited

Phone: 0416 094 225

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From:Aaron Talbott <ngurrugu74@outlook.com>Sent:Tuesday, 14 March 2023 7:29 AMTo:Lara ToobySubject:Re: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Yaama Lara

Confirming Registration. look forward to working with you.

Yaluu

Aaron Talbott & Natalene Mercy

AT Gomilaroi Cultural Consultancy 13 Hunter Street Gunnedah NSW 2380 ABN: 92 005 620 045

M 0477 239 021 E ngurrugu74@outlook.com

AT Gomilaroi Cultural Consultancy acknowledges Traditional Owners on which Land we converse. Respect to Elders Past, Present and Future.

From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Monday, March 13, 2023 11:29:00 AM
To: ngurrugu74@outlook.com < ngurrugu74@outlook.com>
Subject: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Dear AT Gomilaroi Cultural Consultancy,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

From:	Phil Khan <philipkhan.acn@live.com.au></philipkhan.acn@live.com.au>
Sent:	Wednesday, 15 March 2023 3:44 PM
То:	Lara Tooby
Subject:	RE: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.
Attachments:	Icare cover 31.12.2022 to 31.12.23.pdf; Public Liability 2023 to 2024.pdf

Hi Lara,

Thank you for informing us that **Umwelt** will be involved in an Aboriginal Cultural Heritage Assessment at **Hunter Street Mall, Newcastle NSW** &,that you are inviting Aboriginal organisations to register, if they wish too be involved in the community consultation process.

As a senior Aboriginal person for the past 50yrs, I actively participate in the protection of the Aboriginal Cultural Heritage throughout the Sydney Basin, & particularly throughout Western Sydney, on behalf of Kamilaroi Yankuntjatjara Working Group I wish to provide to you my organisation's registration of interest.

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

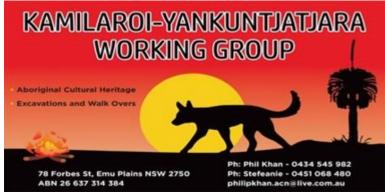
I have attached a copy of Kamilaroi Yankuntjatjara Working group's Public Liability Insurance & Workers Compensation certificate.

Our Rates - \$450 half day & \$900 full day (Exc. GST)

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

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

Kind Regards Phil Khan - Director



To: philipkhan.acn@live.com.au

Subject: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Dear Kamilaroi Yankuntjatjara Working Group,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Darleen Johnson <murrabidgeemullangari@yahoo.com.au></murrabidgeemullangari@yahoo.com.au>
Sent:	Thursday, 16 March 2023 11:42 AM
То:	Lara Tooby
Subject:	Re: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.
Attachments:	aaron taylor resume.pdf; Aaron white card.jpg; murrabidgee public liability 2023 (1).pdf;
	murrabidgee Workers comp 2023 (1).pdf

Hi Lara,

Please register our company for the above project, we have a site officer from the area please see an attached resume, we look forward to hearing from you. Kind regards Darleen Johnson 0490051102

On Monday, 13 March 2023 at 01:46:48 pm AEDT, Lara Tooby < Itooby@umwelt.com.au> wrote:

Dear Murra Bidgee Mullangari Aboriginal Corporation,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* 2010.

Kind regards,

Lara Tooby

Senior Archaeologist

Umwelt (Australia) Pty Limited

Phone: 0416 094 225

www.umwelt.com.au

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From:	Lower Hunter Aboriginal Incorporated <lowerhunterai@gmail.com></lowerhunterai@gmail.com>
Sent:	Thursday, 16 March 2023 10:58 PM
То:	Lara Tooby
Subject:	Re: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Hi Lara

On behalf of LHAI, I would like to register an interest in the Newcastle East End Project.

On Mon, Mar 13, 2023 at 1:22 PM Lara Tooby <<u>LTooby@umwelt.com.au</u>> wrote:

Dear Lower Hunter Aboriginal Incorporated,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby

Senior Archaeologist

Umwelt (Australia) Pty Limited

Phone: 0416 094 225

www.umwelt.com.au

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From:Carolyn .H <cazadirect@live.com>Sent:Sunday, 19 March 2023 8:40 PMTo:Lara ToobySubject:Re: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.Attachments:A1.WC2024.pdf; A1.PL2024.pdf



Contact: Carolyn Hickey Mobile: 0411650057 Email: Cazadirect@live.com Address: 10 Marie Pitt Place, Glenmore Park, NSW 2745 ACN: 639 868 876 ABN: 31 639 868 876

Hi,

Thank you for your email, I would like to register in being involved in all levels of consultation for this project.

Including, Meetings, Reports, Sharing Cultural Information, and available Field Work.

About the founder Carolyn Hickey

I am a traditional owner with over 25 years experience in helping preserve Aboriginal cultural heritage on projects.

I hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and values that exist in the project area.

I have attached A1 Indigenous Services Insurances

A1 INDIGENOUS SERVICES PTY LTD Represents over 100 Indigenous Locals

When Selecting Groups for Engagement;

Please consider that A1 INDIGENOUS SERVICES PTY LTD is a member of the NSW INDIGENOUS CHAMBER OF COMMERCE.

We carry the NSWICC Assured logo showing that **A1 Indigenous Services** has met National Policy requirements as upheld by the First Australians Chamber of Commerce and Industry (FACCI) for being identified as a **100% First Nations Owned Indigenous Business** That has demonstrate compliance with Government and Industry Regulators.

Regards Carolyn Hickey

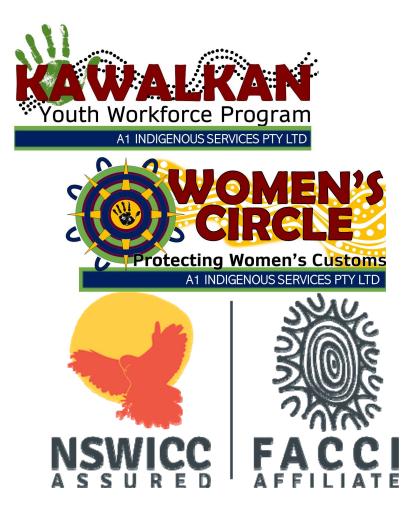
A1 INDIGENOUS SERVICES PTY LTD is now a member of the NSW INDIGENOUS CHAMBER OF COMMERCE

A business or enterprise carrying the NSWICC Assured logo has met National Policy requirements as upheld by the First Australians Chamber of Commerce and Industry (FACCI) for being identified as a First Nations Business Owner or Entrepreneur and the business must demonstrate compliance with Government and Industry Regulators.

(Certificate attached) A certificate confirms that the Enterprise listed above has met all requirements of the NSWICC's Assured Program, operating as a100% Aboriginal Owned, Operated and Controlled Business. The NSW Indigenous Chamber of Commerce (NSWICC) is the Peak body for Aboriginal Business in New South Wales and a member of the <u>First Australians Chamber of Commerce and Industry (FACCI)</u>

Al Indigenous Services is 100%, Indigenous Owned Australian Company which offers a range of services to the construction industry. It is our mission to commit to an innovative approach to a better future for Indigenous employment and community.

While improving ways to close the gap in Aboriginal participation in the construction Industry. Building strength in aboriginal communities and our Indigenous labour force.





From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Monday, 13 March 2023 12:14 PM
To: cazadirect@live.com <cazadirect@live.com>
Subject: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Dear A1 Indigenous Services,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:Norman Archibald <normarch60@gmail.com>Sent:Monday, 20 March 2023 9:43 AMTo:Lara ToobySubject:Re: Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

Hi Lara

Please include my expression of interest for registration for the Newcastle East End Project Stages 3 and 4.

In Cultural Unity Norman Archibald 0413718149

On Mon., 13 Mar. 2023, 1:08 pm Lara Tooby, <<u>LTooby@umwelt.com.au</u>> wrote:

Dear Jumbunna Traffic Management Group Pty Ltd,

Please find attached letter inviting you to register for Aboriginal community consultation for the Newcastle East End Project Stages 3 and 4.

This is sent in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

Kind regards,

Lara Tooby

Senior Archaeologist

Umwelt (Australia) Pty Limited

Phone: 0416 094 225

www.umwelt.com.au

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From: Sent: To: Subject:	Admin <yinarrculturalservices@gmail.com> Tuesday, 21 March 2023 11:58 AM Lara Tooby; Wolf; Admin Re: Newcastle East End Project Stages 3 and 4: Expression of Interest - Aboriginal Consultation Process</yinarrculturalservices@gmail.com>
Attachments:	Newcastle East End Project Stages 3 and 4 Expression of Interest - Aboriginal Consultation Process - Lara Tooby Umwelt (Australia) Pty Limited (20th March 2023).pdf; iCare - Workers Compensation.pdf; BizCover Public Liability Insurance.pdf; NSW Driver's Licence.pdf; Work Card.pdf; Work Cards.pdf; Occupational Health and Safety - White Card & LF Fork Lift Truck Licence.pdf; OHS General Induction for Construction Work in NSW.pdf; Statement of Attainment - Certificate IV in Business (Governance).pdf; Statement of Attainment in Aboriginal Sites School.pdf; Statement of Attainment in Certificate IV in Training and Assessment.pdf; Transcript of Academic Record Certificate IV in Training and Assessment.pdf; Certificate of Achievement Certificate 1 in Aboriginal Languages.pdf; Statement of Attainment Aboriginal Studies and Aboriginal Painting.pdf; Confirmation of Aboriginality Wanaruah Local Aboriginal Lands Council (WLALC).pdf; Certificate 1 in Aboriginal Languages.pdf; Certificate of Achievement Climate Change.pdf; Letter for Confirmation of Aboriginality Commissioner Jim Wright (ATSIC).pdf; Hunter Valley Aboriginal Corporation (HVAC) Confirmation of Aboriginality Part. 1.pdf; Learning Outcomes Aboriginal Site School.pdf; Hunter Valley Aboriginal Corporation (HVAC) Confirmation of Aboriginality Part. 2.pdf; Transcript of Academic Record Statement of Attainment in Aboriginal Site Works.pdf

Dear Lara,

Please find enclosed Yinarr Cultural Services expression of interest in HN581-A - Aboriginal Cultural Heritage Assessment.

Please find enclosed all documents needed for your records.

If there are any questions or information you may have please do not hesitate in contacting us either by Mobile 0426 585 110 or Email: yinarrculturalservices@gmail.com or dontminemeay@gmail.com

Would you be able to confirm receipt of this email, please? Thank you.

Kind regards

...

Kathie Steward Kinchela

First Nation Cultural Heritage Custodian and Consultant Advisor Yinarr Cultural Services Discover, Preserve, Protect Encl.

From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:40 PM
То:	OEH HD Heritage Mailbox
Cc:	Tim Adams
Subject:	Stage 1.6 - Aboriginal Cultural Heritage Assessment – Newcastle East End Project Stages 3 and 4–
	List of Registered Aboriginal Parties and Notification Letter
Attachments:	22954_EastEnd34_EOI.pdf; 22954_Stage1.6_RAPListNotification_HNSW.pdf

Dear Heritage NSW,

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

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:38 PM
То:	reception@awabakallalc.com.au; ceo@awabakallalc.com.au; culture@awabakallalc.com.au
Cc:	Tim Adams
Subject:	Stage 1.6 - Aboriginal Cultural Heritage Assessment – Newcastle East End Project Stages 3 and 4–
	List of Registered Aboriginal Parties and Notification Letter
Attachments:	22954_Stage1.6_RAPListNotification_LALC.pdf; 22954_EastEnd34_EOI.pdf

Dear Awabakal Local Aboriginal Land Council,

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

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:13 PM
То:	reception@awabakallalc.com.au; culture@awabakallalc.com.au; ceo@mindaribbalalc.org
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear Awabakal Local Aboriginal Land Council,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:07 PM
То:	yinarculturalservices@bigpond.com; Wolf
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear Kathie, Yinarr Cultural Services,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:06 PM
То:	Norman Archibald
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear Norman,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:06 PM
То:	Carolyn .H
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear Carolyn, A1 Indigenous Services,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:05 PM
То:	Lower Hunter Aboriginal Incorporated
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear David, Lower Hunter Aboriginal Incorporated,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:05 PM
То:	Darleen Johnson
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear Darleen and Ryan, Murra Bidgee Mullangari Aboriginal Corporation,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:04 PM
То:	peterleven@y7mail.com
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear Peter, Awabakal Descendants Traditional Owners,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby
Sent:	Tuesday, 28 March 2023 2:03 PM
То:	Phil Khan
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation
	Process
Attachments:	22954_Methodology.pdf

Dear Phil,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 2:03 PM	
То:	Aaron Talbott	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Aaron Talbott and Natalene Mercy, AT Gomilaroi Cultural Consultancy,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 2:02 PM	
То:	Arthur Fletcher	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Arthur, Kawul Pty Ltd trading as Wonn1 Sites,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 2:01 PM	
То:	Worimi TOC	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Candy,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 2:00 PM	
То:	hunters_1@bigpond.com	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Trudy,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 1:59 PM	
То:	Kevin Duncan	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Kevin,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 1:58 PM	
То:	C McDougall	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Olivia, Nukara Cultural Services,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 1:58 PM	
То:	lilly carroll	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Paul and Lilly, Didge Ngunawal Clan,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 1:57 PM	
То:	Jacqui Allen	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Jacquie, Miromaa Aboriginal Language and Technology Centre,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Lara Tooby	
Sent:	Tuesday, 28 March 2023 1:55 PM	
То:	Tracey Howie; Kerrie Brauer	
Subject:	Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	
Attachments:	22954_Methodology.pdf	

Dear Tracey and Kerrie (Awabakal and Guringai),

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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Our Ref: 22954_Methodology_Eol_V1

28 March 2023

Dear Sir/Madam

Re: Draft Assessment Methodology: Aboriginal Cultural Heritage and Archaeological Assessment for Stage 3 and 4 of the Newcastle East End Development

Thank you for your registration of interest in the above-mentioned project. The proposed works area is illustrated in **Figure 1** and is herein referred to as the Project Area.

The Aboriginal cultural heritage and assessment (ACHA) for the Project Area will be undertaken in accordance with the requirements of the *National Parks and Wildlife Act* 1974 (NPW Act), the *National Parks and Wildlife Regulation 2019* (NPW Regulation) and the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (the Code of Practice).

In line with these requirements, this letter provides a draft methodology for the ACHA for your review and comment.

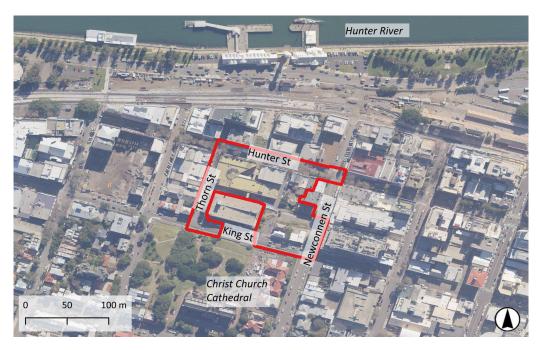


Figure 1. The Project Area. *Please note that this includes both Block 3 and Block 4, as well as the road corridors where water infrastructure and other infrastructure works are required to support the development.*

Inspired People Dedicated Team Quality Outcomes

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T| 1300 793 267 E| info@umwelt.com.au

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Umwelt (Australia) Pty Limited ABN 18 059 519 041



1.0 Background Information

The Staging of the Newcastle East End Development is based on the different blocks being developed (Stage 1 being Block 1, etc) as shown in **Figure 2.** Block 3 is bounded to the north by Hunter Street, to the east by Morgan Street, to the south by Laing Street and to the west by Thorn Street. The block is rectangular in shape, and currently consists of two buildings that are partially interconnected internally and were developed in the 19th Century. Block 4 is rectangular in shape and divided into 8 separate allotments, 6 of which are being developed.

An indicative design plans for the Project Area attached.

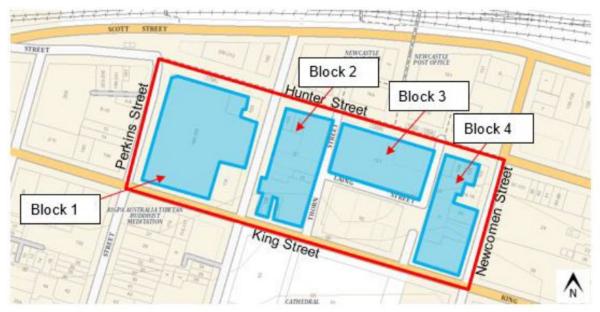


Figure 2. Stage 1, 2 3 and 4 of works.

Aboriginal archaeological excavations from Stage 1 and Stage 2 have been completed. Preliminary reporting from Stage 1 and 2 has been used to inform the current methodology.

Stage 1 and Stage 2 Preliminary Results

The community collection and archaeological excavation works within the Stage 1 area were undertaken from December 2018 to January 2019. Excavations were run by Umwelt and a team of Representative Aboriginal Parties (RAPs) and conducted in accordance with the provisions of Aboriginal Heritage Impact Permit (AHIP) C0003431. A total of approximately 81 surface square metres was excavated, resulting in the recovery of 16,618 stone artefacts (Umwelt 2019).

The community collection, monitoring and archaeological excavation works within the Stage 2 area occurred from November 2020 to September 2021. Excavations were run by RPS and a team of Representative Aboriginal Parties (RAPs) and conducted in accordance with the provisions of AHIP C0005464. A total of approximately 32 surface square metres was excavated, resulting in the recovery of 16,700 stone artefacts (RPS 2022).

Both investigations found the artefact assemblage dominated by Nobbys tuff, with other raw materials such as silcrete, quartzite and chert present in very limited quantities.

Stratigraphy could be broadly separated into two distinct categories: windblown sand (upper) and colluvial (water transported) material overlying cobble lenses and decaying sandstone (at depth). Umwelt undertook geomorphological analysis, and concluded that artefacts present within the stratified windblown sand deposits in the southern portion of the AHIP area are much more likely to



be within their original depositional context as compared to those within cobble/water transported soil units, within which artefacts are likely to have been subject to substantial movement in association with other non-artefactual stone (Umwelt 2019, 10). Furthermore, artefacts within the cobble layers vary from being highly water-rolled and impacted to others that are moderately unaffected and, in some areas, included a high proportion of large, retouched flakes; however, this may also be a result of side sorting of cobble material. This further supports the suggestion that there is merit in analysing artefacts from 'intact' contexts as compared to an analysis of the entire assemblage (Umwelt 2019, 10).

2.0 Draft Methodology for the Aboriginal Cultural Heritage Assessment

Investigations of the Stage 3 and 4 areas will be undertaken as components of the ACHA process to support a future application for an AHIP. The draft assessment methodology is proposed as follows:

- 1. Provision of a draft assessment methodology for review by the registered Aboriginal parties (this letter).
- 2. Provision of a review period during which Aboriginal parties can provide comment and propose amendments to the draft methodology (up to 28 days from receipt of this letter, with comments due by 25 April 2022.
- 3. An onsite meeting and walkover (please note that the existence of current occupied buildings will restrict our ability to undertake a survey of the site).
- 4. The development of a draft ACHA report to include:
 - details of the nature of the project
 - a description of the potential impacts
 - full details of the registered Aboriginal party consultation process
 - the results of an Aboriginal Heritage Information Management System (AHIMS) search, Native Title search and other relevant searches
 - a review of the cultural context of the Project Area that will draw heavily on information provided by registered Aboriginal parties and the results of previous cultural heritage and archaeological assessments undertaken in the area
 - a review of background environmental and archaeological contextual information to gain an understanding of how Aboriginal people may have occupied/utilised the area and the likelihood that archaeological evidence may remain and be detectible within the Project Area
 - the preparation of a predictive model drawing on the above
 - details of the survey methodology and results
 - details of any sites/objects/potential archaeological deposits located during the survey
 - an assessment of the Aboriginal cultural heritage significance (as provided by the registered Aboriginal parties) of the Project Area
 - an assessment of the archaeological significance of any sites/objects/potential archaeological deposits identified within the Project Area



- an assessment of the potential impact by the project to any sites/objects/potential archaeological deposits identified within the Project Area
- a discussion of management options
- management recommendations.
- 5. The provision of a draft ACHA report for comment by all registered Aboriginal parties (comment period extends for 28 days from receipt of draft ACHA report)
- 6. Discussion/incorporation of comments/amendments to develop and finalise the ACHA report
- 7. Provision of the final ACHA report to registered Aboriginal parties and Client.

3.0 Consultation with Aboriginal Parties During the Assessment Process

Umwelt acknowledge that cultural values can, by definition, relate to values outside those associated with specific archaeological sites/objects. Throughout the assessment process, we invite comment from Aboriginal parties regarding any cultural values associated with the Project Area and will ensure that any information provided regarding cultural values (be they associated with a specific site or provided with reference to a landscape feature or within a broader context) are documented and recorded in accordance with the wishes of the relevant Aboriginal party for inclusion in the ACHA report. The inclusion of any such information in the final assessment is dependent on its provision by the Aboriginal parties and the way in which parties wish to share that information (for example, if information is particularly sensitive it can be excluded from documents placed on public exhibition).

We note that Section 3.2 of the consultation requirements specifies that the objective of consultation is to ensure 'that Aboriginal people have the opportunity to improve assessment outcomes'. Factors specified as assisting in meeting this objective include providing Aboriginal parties with the opportunity to provide information on cultural values (as invited in this draft methodology and throughout the assessment process), influence methods regarding assessment of significance for Aboriginal objects/places (which can be undertaken in response to this draft methodology, during fieldwork and in commenting on the draft ACHA report) and commenting on the draft ACHA report. Our approach is designed to ensure compliance with this objective, including the potential for in-field consultation with Aboriginal party representatives during fieldwork. Umwelt archaeologists are trained to seek, and document cultural feedback provided by Aboriginal party representatives during fieldwork. This is not limited to cultural values associated with archaeological sites but may encompass any values identified by Aboriginal people.

4.0 Survey Methodology

A site walkover (survey) will occur as part of the development of a draft ACHA report; however, the effectiveness of the survey will be hindered by the existence of a number of existent buildings onsite. Therefore, the primary purpose of this survey will be to discuss the Project and proposed excavation and site walkover following demolition works to undertake Aboriginal Community Consultation. The outcomes of the survey will be documented in accordance with the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (the Code of Practice).

5.0 Archaeological Investigation

Due to the nature of the proposed development, the presence of existing structures within the Project Area and the potential overlap between historical archaeological excavation and Aboriginal archaeological excavation, it is not considered feasible to undertake archaeological testing within the Project Area under the provisions of the Code of Practice. Consequently, Iris Capital proposes to proceed directly to an ACHA and AHIP application for Stage 3 and Stage 4.



A proposed excavation methodology will be documented as part of the ACHA; you will be able to comment on the archaeological excavation methodology when the draft ACHA is sent out for review.

6.0 Summary

This letter provides details of the proposed methodology for ACHA associated with the Project. In accordance with the consultation requirements (DECCW 2010), we ask that your group provides comments on the draft methodology by no later than 25 April. Comments regarding the draft methodology can be provided verbally or in writing to:

Lara Tooby Senior Archaeologist Umwelt Environmental and Social Consultants Phone: 0416 094 225 Email: larat@umwelt.com.au

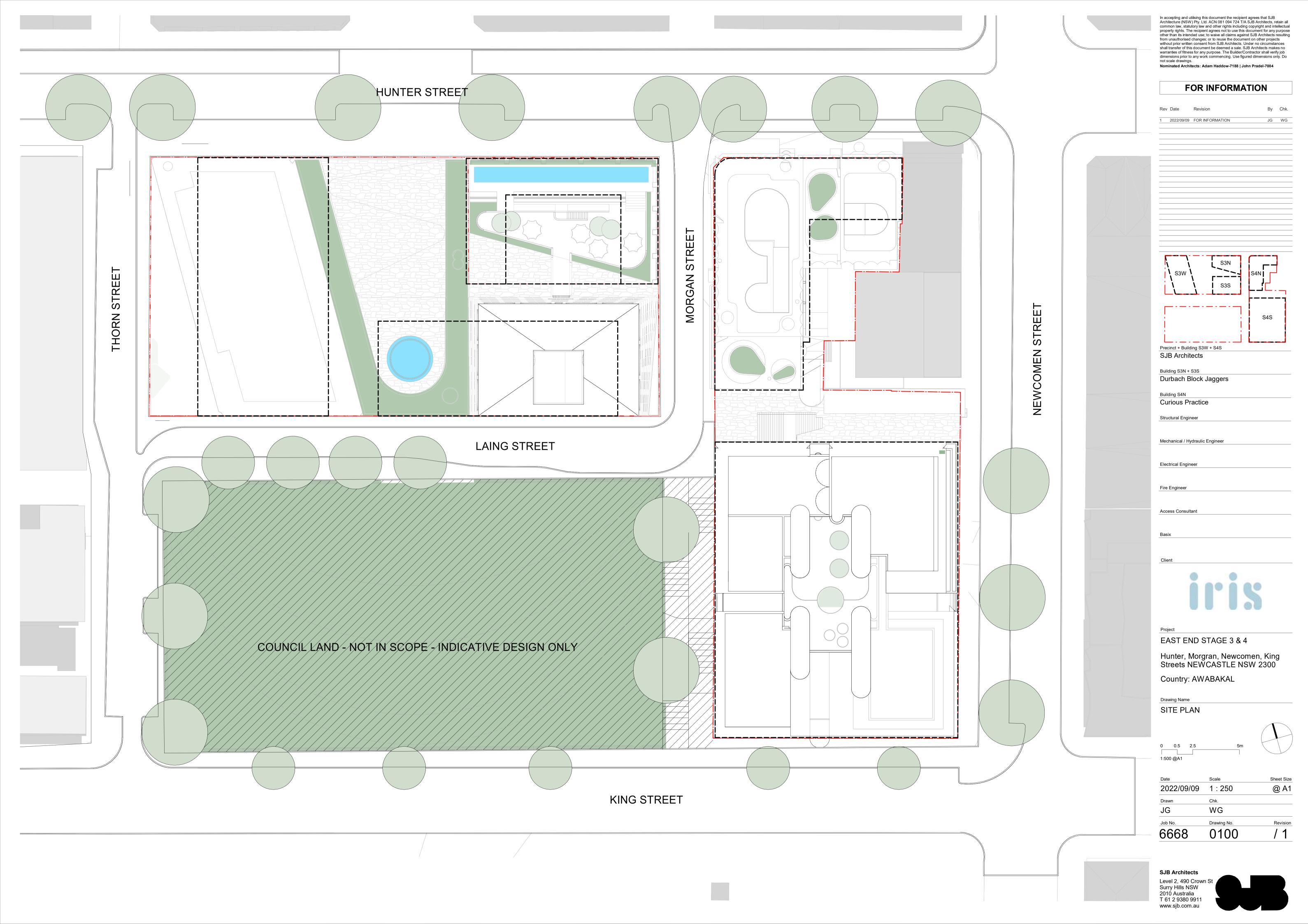
We trust this information meets with your current requirements. Please do not hesitate to contact the undersigned on 1300 793 267 should you require clarification or further information.

We look forward to working with you throughout the project to ensure that we adequately document any information you wish to provide regarding Aboriginal cultural values. Please feel free to contact us to request any additional information or assistance you may require facilitating your input.

Yours sincerely

Lara Tooby

Senior Archaeologist Umwelt Environmental and Social Consultants





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From:	Arthur Fletcher <wonn1sites@gmail.com></wonn1sites@gmail.com>	
Sent:	Tuesday, 28 March 2023 4:23 PM	
То:	Lara Tooby	
Subject:	Re: Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation	
	Process	

Many thanks for this.

On Tue, 28 Mar 2023, 2:01 pm Lara Tooby, <<u>LTooby@umwelt.com.au</u>> wrote:

Dear Arthur, Kawul Pty Ltd trading as Wonn1 Sites,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

Lara Tooby

Senior Archaeologist

Umwelt (Australia) Pty Limited

Phone: 0416 094 225

www.umwelt.com.au

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 From:
 Aaron Talbott <ngurrugu74@outlook.com>

 Sent:
 Wednesday, 29 March 2023 4:48 AM

 To:
 Lara Tooby

 Subject:
 Re: Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation Process

Yaama Lara

The methodological approach I support. High volume of artefactual material from excavation. I assume the pattern will continue when excavations continue after demolition works and debris removed.

If you require field officer will happily accept opportunity.

Thank you Lara.

Yaluu

Aaron Talbott

AT Gomilaroi Cultural Consultancy 13 Hunter Street Gunnedah NSW 2380 ABN: 92 005 620 045

M 0477 239 021 E ngurrugu74@outlook.com

AT Gomilaroi Cultural Consultancy acknowledges Traditional Owners on which Land we converse. Respect to Elders Past, Present and Future.

From: Lara Tooby <LTooby@umwelt.com.au>
Sent: Tuesday, March 28, 2023 2:02:43 PM
To: Aaron Talbott <ngurrugu74@outlook.com>
Subject: Newcastle East End Project Stages 3 and 4: Methodology - Aboriginal Community Consultation Process

Dear Aaron Talbott and Natalene Mercy, AT Gomilaroi Cultural Consultancy,

Thank you for registering for the Newcastle East End Project Stages 3 and 4 Aboriginal Cultural Heritage Assessment (ACHA).

In accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010,* attached is a draft methodology (including project information) for the ACHA. Any feedback on the methodology is due by 25 April 2023.

Kind regards,

From:	Lara Tooby	
Sent:	Friday, 12 May 2023 11:24 AM	
Cc:	Tim Adams	
Subject:	RE: 22954 - Stage 3 and 4 East End Project Draft ACHA for RAP review	
Attachments:	22954_EE3&4_ACHAR_R01 - No appendices.pdf	

Hi all,

Following on from the below email, I have been informed of some issues in accessing the report via the previously provided link– please see new-link below:

https://aus01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwe.tl%2Ft-

e1MLjuEcrP%3Futm_campaign%3DTRN_TDL_05%26utm_source%3Dsendgrid%26utm_medium%3Demail%26trk%3DTR N_TDL_05&data=05%7C01%7Cltooby%40umwelt.com.au%7C2302590a80484b09d2f408db51ce25e0%7Ca9c58fe7caf64 aa59d23a76f8ab33d91%7C0%7C0%7C638193718072893496%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAi LCJQIjoiV2luMzIiLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=vcc8kCCG6pG07uE%2B%2BCw7U1q Pht4IHlixtdEQK94jMB4%3D&reserved=0

I have also attached a smaller version of the report (without the appendices attached to reduce the size of the report– let me know if you want the appendices sent through to you in a separate document).

Due to these issues with the link, deadline for comments is now Friday 9 June 2023.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

www.umwelt.com.au

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From: Lara Tooby
Sent: Thursday, May 11, 2023 4:29 PM
Cc: Tim Adams <tadams@umwelt.com.au>
Subject: 22954 - Stage 3 and 4 East End Project Draft ACHA for RAP review

Dear Registered Aboriginal Parties for Stage 3 and 4 East End Project,

In accordance with Stage 4 of the Consultation Guidelines, please click the following link to download the draft Aboriginal Cultural Heritage Assessment (ACHA) report for Stage 3 and 4 East End Project, for your review and comment:

https://we.tl/t-e1MLjuEcrP

Note there is a report summary on the first couple of pages, providing an outline of the proposed archaeological investigation process.

Feedback submissions are due by Thursday, 8 June 2023. If you wish to keep any feedback confidential or have knowledge you wish to share that has gender restrictions, please let me know and we can discuss an appropriate way forward.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From:	Peter Leven <peterleven@y7mail.com></peterleven@y7mail.com>
Sent:	Thursday, 25 May 2023 10:30 AM
То:	Lara Tooby
Subject:	RE: Reports on Human Remains Newcastle

This message originated from outside of Umwelt - **BE CAUTIOUS** opening any link or attachment.

Hi Lara,

т

Both myself and Tori are happy with the summary of our phone conversation.

here is a small error in point two, that should read stage 3 and 4 blocks.

Kind Regards, Peter Leven Managing Director Awabakal Descendants Traditional Owners Aboriginal Corporation Email: peterleven@y7mail.com Phone: 0243903740 Mobile: 0405149684 PO Box 137 Budgewoi NSW 2262



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From: Lara Tooby Sent: Monday, 22 May 2023 3:39 PM To: PeterLeven Cc: Ryan Desic; Tim Adams Subject: FW: Reports on Human Remains Newcastle

Hi Peter and Tori,

Thank you for the feedback on the ACHA report today and providing the below attached reports on the human remains found in the Stage 3 Area.

Are you able to confirm that the following is an accurate summary of main points of the phone conversation we had today? We will be putting these comments forward to Iris Capital in the next couple of days, and the comments will also be included in the consultation records for the Project for viewing from Heritage NSW. For these reasons, please edit anything that you feel does not accurately reflect the discussion.

- Peter and Tori recommended that an additional in-person meeting should be undertaken between Umwelt and RAPs (and potentially the client) to finalise the AHIP methodology considering the below comments. This could be done at the Umwelt office. A similar meeting was held for earlier stages of the Project with Umwelt.
- They calculated that 54 1 x 1m pits is more accurate number of pits to be excavated across the Stage 2 and 3 blocks, as opposed to 30 pits currently proposed), if we are aiming for up to 1% of Project Area to be excavated.
- Peter pointed out that the skulls identified in 1923 in the Stage 3 area from the construction of the Borough Markets (summarised in Table 4.3 of our report) are the subject of ongoing repatriation discussions between Awabakal custodians and the Australian Museum, which currently hold the remains. He pointed out the report needs to consider the possibility that although the skulls were removed to the Museum, the remainder of the ancestral remains from the head down may still be located onsite, most likely in the Stage 3 area and associated street. We should therefore proceed with utmost caution in anticipation that there could be human remains onsite. For this reason, it was recommended that that there be scope for RAP monitoring (in the form of ongoing community collection) for the perimeter works, road works, and demolition works. Peter emphasised that this work could be done by a single RAP who is trained in Aboriginal cultural heritage identification, with the RAP collecting any artefacts uncovered during works, and to confirm that no ancestral remains are being impacted by works.
- At least some de-watering of site should occur prior to test excavation work occurring to ensure trenches are being excavated to appropriate depths.

Kind regards,

Lara Tooby Senior Archaeologist

Umwelt (Australia) Pty Limited Phone: 0416 094 225

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From: Peter Leven <peterleven@y7mail.com> Sent: Monday, May 22, 2023 3:03 PM To: Lara Tooby <LTooby@umwelt.com.au> Subject: Reports on Human Remains Newcastle

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Hi Lara,

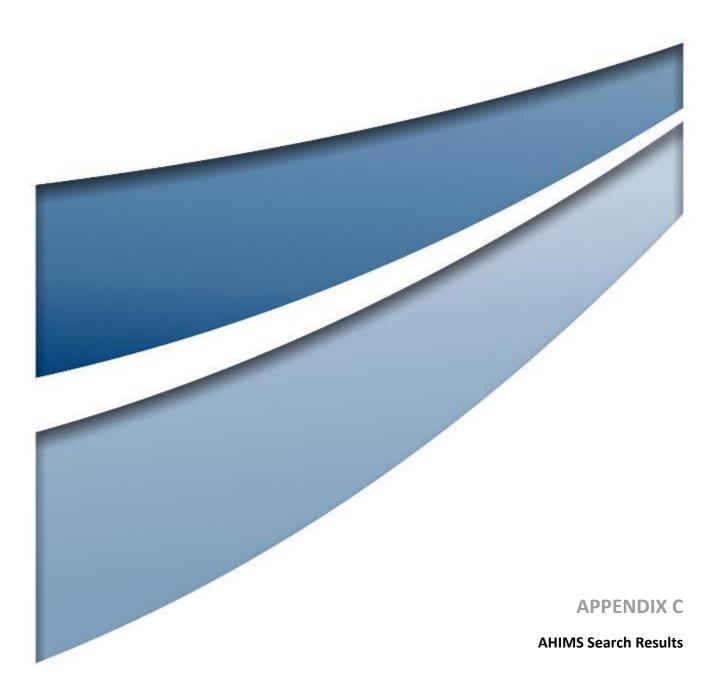
Please see attached reports.

Regards,

Peter Leven Managing Director Awabakal Descendants Traditional Owners Aboriginal Corporation Email: <u>peterleven@y7mail.com</u> Phone: 0243903740 Mobile: 0405149684 PO Box 137 Budgewoi NSW 2262



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Extensive search - Site list report

GOVERNMENT		-								
<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	Zor	ie <u>Easting</u>	<u>Northing</u>	<u>Context</u>	Site Status **	SiteFeatures	<u>SiteTypes</u>	<u>Reports</u>
38-4-1632	TA1 Newcastle	GDA	5	6 386378	6356088	Open site	Destroyed	Artefact : -		
	<u>Contact</u>	Recorders	<u>s</u> U	mwelt (Austral	ia) Pty Limited	- Individual users,M	iss.Nicola Roche	<u>Permits</u>	3683	
38-4-1020	Coutts Sailors Home PAD1	AGD		6 386358	6355971	Open site	Valid	Potential		
								Archaeological		
								Deposit (PAD) : -		
	Contact T Russell	Recorders		0	5	ont - Individual users		<u>Permits</u>	2734	
38-4-0957	NCL 931	AGD		6 386400	6356000	Open site	Valid	Artefact : -		4417,97762
	Contact T Russell	<u>Recorders</u>	<u>s</u> N	loeleen Curran				<u>Permits</u>		
38-4-1205	Restriction applied. Please contact					Open site	Valid			
	ahims@environment.nsw.gov.au. <u>Contact</u> Awabakal LALC	<u>Recorders</u>	e D	rad Welsh				Permits		
38-4-2083	Cathedral Park PAD	GDA	_	6 385967	6356000	Open site	Valid	Potential		
30-1-2003		UDA		0 303707	0330000	open site	vanu	Archaeological		
								Deposit (PAD) : 1		
	Contact	<u>Recorders</u>	<u>s</u> A	MAC Group P/I	.,Mr.Benjamin	Streat		Permits	4830	
38-4-1960	Newcastle Signal Box IF	GDA	5	6 386076	6356240	Open site	Destroyed	Artefact : -		
	Contact	<u>Recorders</u>	<u>s</u> R	PS AAP Consult	ing Pty Ltd - H	amilton,RPS AAP Co	nsulting Pty Ltd - H	Iamilton,RPS Permits		
38-4-1084	Newcastle CBD PAD	GDA	Ę	6 385850	6355900	Open site	Partially	Potential		
							Destroyed	Archaeological		
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	Contact	Decordore	c 1	la Maaghan Dua		on oulting Dty Itd D	itt Stuggt Sydnay D	Artefact : -	2000 4225 4240 455	4744 5061
38-4-0454	<u>Contact</u> Yirannaii;	Recorders AGD		6 386150	6355450	Open site	Valid	Ooctor.Bengi (<u>Permits</u> Aboriginal Ceremony	3008,4225,4248,4557 Natural	1333
30-4-0434	111 annan,	AUD		0 300130	0555450	open site	vanu	and Dreaming : -	Mythological	1555
									(Ritual)	
	Contact	<u>Recorders</u>	<u>s</u> V	Varren Bluff				<u>Permits</u>		
38-4-2100	NBN_AS1	GDA	5	6 385660	6355700	Open site	Valid	Artefact : -		
	<u>Contact</u>	Recorders	<u>s</u> U	mwelt (Austral	ia) Pty Limited	- Individual users,M	iss.Alison Fenwick	<u>Permits</u>	4976	
38-4-0796	200 Hunter Street PAD	AGD	5	6 385787	6356006	Open site	Valid	Potential		
								Archaeological		
								Deposit (PAD) : -		
	Contact T Russell	Recorders		Irs.Angela Besa		2		Permits	2045,2049	
38-4-0525	Catholic Education Site	AGD		6 385680	6355710	Open site	Valid	Artefact : -	Open Camp Site	100771
	Contact	<u>Recorders</u>		largrit Koettig				<u>Permits</u>		
38-4-1695	11-15 Watt St IF 1	AGD	5	6 386381	6356080	Open site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	<u>s</u> N	Ir.Benjamin Str	eat			<u>Permits</u>	3814,3966	

Report generated by AHIMS Web Service on 14/04/2023 for Lara Tooby for the following area at Lat, Long From : -32.9431, 151.774 - Lat, Long To : -32.9221, 151.8359. Number of Aboriginal sites and Aboriginal objects found is 12

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Reports

SiteTypes

SiteID SiteName

-Datum Zone Eas

um Zone Easting Northing Context <u>Site Status **</u> SiteFeatures

** Site Status

Valid - The site has been recorded and accepted onto the system as valid

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

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